THE CITY OF LYNCHBURG

PHYSICAL DEVELOPMENT COMMITTEE
City Council Committee

Tuesday, May 12, 2026 | 3:00 PM
2nd Floor Training Room- City Hall
900 Church Street
Lynchburg, VA 24504

AGENDA

I. Welcome *Councilmember Jacqueline Timmer, Chair*

II. Information Items

- **II.1.** A minute for Planning

III. General Business

- **III.2.** Ratifying the Sale of 1505 & 1517 Jackson Street
- **III.3.** Sale of 805 Court Street
- **III.4.** SMARTSCALE application
- **III.5.** APCO Easement for Milestone Cell Tower

IV. Roll Call

V. Next Regular Meeting

AGENDA ITEM SUMMARY

MEETING DATE	PRESENTED BY
May 12, 2026	William Martin, Community Development Director

AGENDA ITEM # II.1

A minute for Planning

RECOMMENDATION

Information only

SUMMARY

Community Development Staff will provide a brief update on upcoming development projects that may be of interest.

PRIOR ACTION(S)

N/A

FISCAL IMPACT

N/A

CONTACT(S)

William Martin, Community Development Director

ATTACHMENT(S)

None

REVIEWED BY

Kent White, Assistant City Manager — Date: May 04, 2026

Date: May 07, 2026

Alicia Finney-Andrews, Clerk of Council

AGENDA ITEM SUMMARY

MEETING DATE	PRESENTED BY
May 12, 2026	Marjette Upshur, Director of Economic Devleopment & Toursim

AGENDA ITEM # III.2

Ratifying the Sale of 1505 & 1517 Jackson Street

RECOMMENDATION

Recommend Adopting the Ordinance to Ratify the Sale of 1505 & 1517 Jackson Street.

SUMMARY

Under the Virginia Constitution Article VII, Sec. 9 and Sec. 15.2-2100(A) of the Virginia Code, a three-fourths majority vote is required to approve a municipality's sale of property that is a “public place.” On January 13, 2026, the Lynchburg City Council, by a 7-0 (Aye-No Vote), approved the introduction of Ordinance #O-26-001. On January 29, 2026, the adoption of the same Ordinance was part of the Consent Agenda, and the Consent Agenda was adopted by a simple majority vote (4-2-1 Aye-No-Absent Vote). While it is possible that 1505 & 1517 Jackson Street may not be a "public place" and is not subject to the three-fourths majority vote requirement, there are two VA Attorney General’s Opinions from 2001 and a 1974 Virginia Supreme Court case that could be cited to argue otherwise.

Based on the foregoing, in order to ensure the sale is not subject to later challenge and does not create a title defect for future buyers, City staff recommends City Council ratify the previous adoption of the Ordinance.

PRIOR ACTION(S)

January 26, 2026 - Consent Agenda
January 13, 2026 - Council Meeting

FISCAL IMPACT

N/A

CONTACT(S)

Marjette Upshur, Director of Economic Devleopment & Toursim
Matthew Freedman, City Attorney

ATTACHMENT(S)

1. Proposed Ordinance - Ratification of Sale of 1505 & 1517 Jackson Street

REVIEWED BY

Kent White, Assistant City Manager

Date: May 04, 2026

Alicia Finney-Andrews, Clerk of Council

Date: May 07, 2026

ORDINANCE: **#O-26-___**

AN ORDINANCE TO RATIFY THE SALE AND DISPOSAL OF CITY-OWNED REAL ESTATE, COMMONLY KNOWN AS 1505 & 1517 JACKSON STREET, INCLUDING ANY, IF ANY, IMPROVEMENTS THEREON AND APPURTENANCES THEREUNTO BELONGING, BEING LOCATED IN THE CITY OF LYNCHBURG, VIRGINIA

WHEREAS, on January 13, 2026, the Lynchburg City Council, by a 7-0 (Aye-No Vote), approved the introduction of Ordinance #O-26-001 to authorize the sale and disposal of 1505 & 1517 Jackson Street to Lynchburg Services, LLC, a Virginia limited liability company, for $200,000.00; and

WHEREAS, on January 29, 2026, the Lynchburg City Council, by a 4-2-1 (Aye-No-Absent Vote), as part of the Consent Agenda of its meeting, approved the adoption of Ordinance #O-26-001 to authorize the sale and disposal of 1505 & 1517 Jackson Street to Lynchburg Services, LLC, a Virginia limited liability company, for $200,000.00; and

WHEREAS, pursuant to Virginia Constitution Article VII, Sec. 9 and Sec. 15.2-2100(A) of the Virginia Code, the sale of a "public place" owned by a municipality must be approved by a three-fourths (3/4) majority vote of a governing body; and

WHEREAS, 1505 & 1517 Jackson Street may fall under the meaning of "public place" under the aforesaid authority and as interpreted by past opinions of the Virginia Supreme Court and the Virginia Attorney General; and

WHEREAS, the Council now wishes to clearly ratify the adoption of #O-26-001 in a manner that complies with Virginia Constitution Article VII, Sec. 9 and Sec. 15.2-2100(A) of the Virginia Code to avoid any future title defect concerning the authority of the City to sell the aforesaid property.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF LYNCHBURG:

1. That Ordinance #O-26-001, previously introduced to this Council on January 13, 2026, and previously adopted by majority vote of this Council on January 29, 2026, is hereby re-approved and ratified by at least three-fourths of the membership of this Council, and the following described real estate, including any, if any, improvements thereon and appurtenances thereunto belonging, may be sold and disposed of by the City of Lynchburg, a municipal corporation of the Commonwealth of Virginia, to Lynchburg Services, LLC, a Virginia limited liability company, for $200,000.00:

1505 & 1517 JACKSON STREET
LYNCHBURG, VIRGINIA 24504
TAX MAP NO(S). 025-32-004 & 025-32-005

For a more detailed description of 1505 Jackson Street, please see that certain deed, dated June 15, 1981, of record in the Clerk's Office of the Circuit Court for the City of Lynchburg, Virginia in Deed Book 603 at Page 728.

For a more detailed description of 1517 Jackson Street, please see that certain deed, dated March 20, 1980, of record in the Clerk's Office of the Circuit Court for the City of Lynchburg, Virginia in Deed Book 583 at Page 253.

2. That the City Manager is hereby authorized to take any and all actions necessary to effectuate the sale and disposal of the previously described real estate to Lynchburg Services, LLC.

3. That any and all documents which may have been signed before the adoption of this Ordinance, which are connected to the substance of this Ordinance, are hereby ratified.

4. That this Ordinance shall become effective upon its adoption.

Adopted:

Certified: _____
Clerk of Council

AGENDA ITEM SUMMARY

MEETING DATE	PRESENTED BY
May 12, 2026	Marjette Upshur, Director of Economic Devleopment & Toursim

AGENDA ITEM # III.3

Sale of 805 Court Street

RECOMMENDATION

Approval of the proposed purchase of 805 Court Street

SUMMARY

The City of Lynchburg owns the property at 805 Court Street, consisting of approximately 0.6 acres and improved by a 21,868-square-foot structure constructed in 1900 as First Presbyterian Church. The City acquired the property in 1995 for $500,000, and it served as headquarters for the Lynchburg Police Department from 1997 until 2025. The property is zoned B-1 (Limited Business), located within the local, state, and national historic district, and is currently assessed at approximately $1.3 million.

In 2024, the Office of Economic Development commissioned a comprehensive Facilities Condition Assessment to evaluate the structure's condition and long-term viability. The assessment concluded that more than $9 million in capital investment would be required to stabilize and rehabilitate the building to ensure continued occupancy. Given the extent of mechanical, structural, and historic restoration needs, continued public ownership would require substantial capital investment without a defined long-term municipal use for the facility.

Following the issuance of a Request for Proposals, the City received one qualified proposal from FYG Properties, LLC to redevelop the property into a Class A office building utilizing historic tax credits. The proposed agreement provides for a purchase price of $500,000, including a $400,000 rehabilitation credit applied at closing to address documented deferred maintenance, structural rehabilitation needs, and the challenges associated with repurposing the historic structure for modern office use. The purchaser anticipates investing more than $9.5 million in private capital and projects occupancy of approximately 80 technology-sector jobs. The transaction transfers substantial responsibility for rehabilitation to the private sector, preserves a significant historic downtown asset, and returns the property to productive, tax-generating use.

PRIOR ACTION(S)

N/A

FISCAL IMPACT

$100,000 to the Economic Development Authority Strategic Investment Fund

CONTACT(S)

Marjette Upshur, Director of Economic Devleopment & Toursim

ATTACHMENT(S)

1. Presentation
2. Proposed Ordinance - Sale and Disposal of 805 Court Street
3. 805 Court Street - Land Sale Agreement and Exhibit A
4. 805 Court Street Development - RFP and Attachments
5. RFP Response
6. Affidavit- Sale of 805 Court Street
7. 805 Court Street - Public Notice

REVIEWED BY

Kent White, Assistant City Manager — Date: May 04, 2026

Alicia Finney-Andrews, Clerk of Council — Date: May 07, 2026

SALE OF CITY OWNED PROPERTY
805 COURT STREET

Tuesday, May 12, 2026

PURPOSE & ACTION

Purpose:

Sale of 805 Court Street

Recommendation:

After the May 12, 2026 public hearing, authorize the City Manager to execute a contract for the sale of 805 Court Street.

Action:

A Public Hearing will be held on May 12, 2026.

THE CITY OF LYNCHBURG

SUMMARY

- 0.6-acre City-owned property improved with a 21,868 SF structure
- Originally constructed in 1900 as First Presbyterian Church
- Served as Lynchburg Police Department headquarters from 1997–2025, currently vacant
- Zoned B-1 and located within local, state, and national historic districts
- Proposal to adaptively reuse the historic structure as a Class A office facility
- Complex historic tax credit project requires an experienced developer
- Preserves a significant historic asset while activating it for modern employment use
- Strengthens Lynchburg's growing technology and professional services sector

THE CITY OF LYNCHBURG

1 FIRST FLOOR CONCEPT PLAN

A101 SCALE: 3/16" = 1'-0"

LEGEND

- CIRCULATION
- COLLABORATION
- COMMAND ROOM
- OFFICE
- SUPPORT

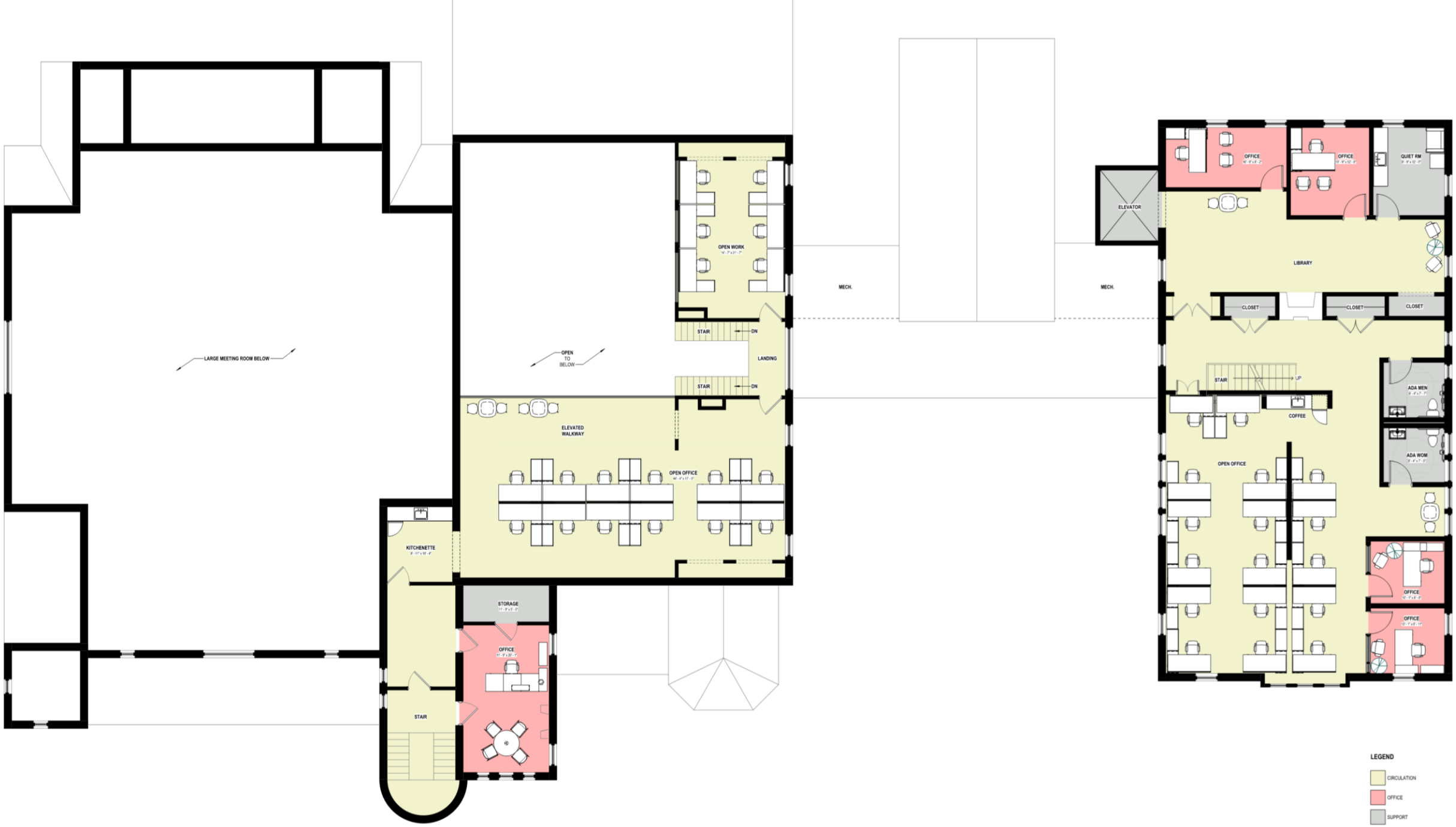
SQUARE FOOTAGE

LOWER LEVEL	+ 2,911 SF	
MAIN ENTRY LEVEL	+ 8,317 SF	
SECOND FLOOR LEVEL	+ 5,141 SF	
ATTIC	+ 1,521 SF	(EXCLUDES MECHANICAL ROOM)
SUBTOTAL	17,890 SF	
LARGE MEETING ROOM (SANCUARY)	+ 4,981 SF	
TOTAL	22,871 SF	

WORKSTATIONS

LARGE PRIVATE OFFICES	8
PRIVATE OFFICES	4
ASSISTANT OFFICE	1
RECEPTION DESKS	1
OPEN WORK STATIONS	
MAIN ENTRY LEVEL	39
SECOND FLOOR LEVEL	35
ATTIC	9
TOTAL WORKSTATIONS	97

(NOTE: SCIF & COMMAND ROOMS EXCLUDED FROM WORKSTATION COUNTS)



1 SECOND FLOOR CONCEPT PLAN

A102 SCALE: 3/16" = 1'-0"

ORDINANCE: **#O-26-___**

AN ORDINANCE TO AUTHORIZE THE SALE AND DISPOSAL OF CITY-OWNED REAL ESTATE, COMMONLY KNOWN AS 805 COURT STREET, INCLUDING ANY, IF ANY, IMPROVEMENTS THEREON AND APPURTENANCES THEREUNTO BELONGING, BEING LOCATED IN THE CITY OF LYNCHBURG, VIRGINIA

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF LYNCHBURG:

1. That the following described real estate, including any, if any, improvements thereon and appurtenances thereunto belonging, may be sold and disposed of by the City of Lynchburg, a municipal corporation of the Commonwealth of Virginia, to 805 COURT, LLC, a Virginia limited liability company, as well as its successors and permitted assigns, for $100,000:

805 Court Street
Lynchburg, Virginia 24504
Tax Map No. 02445003

For a more detailed description of 805 Court Street, please see that certain deed, dated December 29, 1995, of record in the Clerk's Office of the Circuit Court for the City of Lynchburg, Virginia in Deed Book 945 at Page 528.

2. That the City Manager is hereby authorized to take any and all actions necessary to effectuate the sale and disposal of the previously described real estate.

3. That any and all documents which may have been signed before the adoption of this Ordinance, which are connected to the substance of this Ordinance, are hereby ratified.

4. That this Ordinance shall become effective upon its adoption.

Introduced: Adopted:

Certified:_____
Clerk of Council

805 Court Street
Lynchburg, Virginia 24504
Tax Map ID No. 0244503

REAL PROPERTY PURCHASE AGREEMENT

THIS REAL PROPERTY PURCHASE AGREEMENT (hereinafter sometimes referred to as the "Agreement") prepared this 17th day of March, 2026, is hereby made and entered into by and between CITY OF LYNCHBURG, a municipal corporation of the Commonwealth of Virginia (hereinafter referred to as "Seller") and 805 COURT, LLC, a Virginia limited liability company, its successors and assigns (hereinafter referred to as "Purchaser").

W I T N E S S E T H T H A T:

WHEREAS, Seller desires to sell and Purchaser desires to purchase, upon the terms and conditions hereinafter set forth, a total of approximately 0.6 acres improved with a building of approximately 21,868 square feet, lying and being in the City of Lynchburg, Virginia, identified as City of Lynchburg Tax Parcel #02445003, together with all appurtenances pertaining thereto and all improvements thereon, commonly known as 805 Court Street, Lynchburg, VA 24504 (collectively called the "Property") and subject only to any Permitted Title Exceptions as defined in Paragraph 8 hereof;

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein and other good and valuable consideration, the receipt and sufficiency of which are all hereby acknowledged by each of the parties hereto, the parties hereto agree as follows:

1. Purchase Price. Subject to the terms and conditions hereinafter set forth, Seller shall sell and transfer the Property to Purchaser and Purchaser shall purchase the Property from Seller and pay to Seller at Closing the sum of ONE HUNDRED THOUSAND DOLLARS ($100,000) (the "Purchase Price"), by the delivery of immediately available and collectible funds, less the Earnest Money (as hereinafter defined) and subject to adjustment as provided herein.

2. Closing Costs. Seller shall be responsible for the preparation of the deed of conveyance, the payment of its own attorney's fees, and any, if any, Grantor taxes due in connection with the conveyance of the Property to Purchaser. The cost of all studies, surveys, tests and inspections of the Property performed by or on behalf of Purchaser, and Purchaser's attorney's fees and Purchaser's closing costs shall be paid by Purchaser. The Purchaser shall be responsible for the recording costs of the deed of conveyance and any other documents requiring recordation.

3. Prorations. All real property *ad valorem* taxes shall be prorated (employing a 365-day year) between Purchaser and Seller as of the date of Closing based upon the tax bill for the year in which Closing occurs. In the event that the tax bill for the current year is not available, then the taxes shall be prorated on the most recently available property assessment and the millage rates then in effect. All assessments levied against the Property, if any, shall be paid in full by Seller on or before Closing even if said assessments are due in installments subsequent to Closing. In addition, Seller shall be responsible for any, if any, so-called "roll-back" taxes, "greenbelt taxes" and other taxes assessed against the Property at Closing or subsequent to Closing.

4. Closing. The consummation of the purchase and sale of the Property contemplated under this Agreement (the "Closing") shall be held within thirty (30) days of the end of the Inspection Period or Extended Inspection Period at an exact date, place and time designated by Purchaser to Seller. Seller agrees to deliver possession of the Property to Purchaser at Closing in the same physical condition as it presently exists, vacant and free of any right of possession or claim to right of possession by any party. In consideration of the deferred maintenance and challenges associated with repurposing the Property into a modern use, Seller is selling the Property to Purchaser at a significantly discounted amount.

5. Inspections Prior to Closing. Purchaser, its agents and representatives, shall at all times before the Closing have the privilege, opportunity and right of entering upon the Property in order to inspect and examine the same, and perform any necessary surveys and other tests needed to determine the suitability of the Property for Purchaser's intended use. Unless prohibited by non-releasable confidentiality or proprietary obligations, Seller shall within ten (10) days after the date this Agreement is executed by all Parties deliver to Purchaser copies of all due diligence materials, if any, in its possession concerning the Property, including without limitation, copies of all title, survey, environmental, geotechnical, permitting and approval and development materials, studies and information. Seller agrees that it shall deliver to Purchaser upon receipt copies of any notices, correspondence and other materials received or sent by Seller regarding the Property and the development thereof during the pendency of this Agreement.

6. Earnest Money. Within ten (10) days of the full execution of this Agreement, Purchaser agrees to deposit in escrow with Impact Title & Settlement, LLC ("Escrow Agent") an earnest money deposit of Ten Thousand Dollars ($10,000) hereinafter sometimes referred to as the "Earnest Money"). The Earnest Money shall be held in escrow to be applied for Purchaser's benefit against the Purchase Price at Closing. Escrow Agent shall make disbursements of the Earnest Money in accordance with this Agreement. In performing its duties as Escrow Agent holding the Earnest Money as provided in this Agreement, Escrow Agent shall not incur any liability to anyone for any damages, losses or expenses, except for willful default or breach of trust, and it shall accordingly not incur any such liability with respect (a) to any action taken or omitted in good faith upon advice of its counsel, or (b) to any action taken or omitted in reliance upon any instrument, including written notice or instruction provided for in this Agreement, not only as to its due execution and the validity and effectiveness of its provisions, but also as to the truth and accuracy of any information contained therein, which Escrow Agent shall in good faith believe to be genuine, to have been signed or presented by a proper person or persons, and to conform with the provisions of this Agreement. In the event of a dispute between any of the parties hereto sufficient in the discretion of Escrow Agent to justify its doing so, Escrow Agent shall be entitled to tender into the registry or custody of any court of competent jurisdiction, all Earnest Money held under this Agreement, together with such legal pleadings as it deems appropriate, and thereupon be discharged from all further duties and liabilities under this Agreement. Any such legal action may be brought in such court as Escrow Agent shall determine to have jurisdiction thereof.

7. Right of First Refusal. Within the first five (5) years after purchase of the Property, should Purchaser seek to sell the Property and subsequently receive a bona fide offer from a third party to purchase the Property, Purchaser shall promptly provide written notice to the Economic Development Authority of the City of Lynchburg, Virginia (EDA) of the transaction terms and conditions of the offer, including the purchase price, financing terms, and closing date. The EDA shall have twenty (20) business days from the receipt of this notice to exercise its Right to First Refusal by providing written notice to Purchaser that it intends to purchase the Property on the same or better terms and conditions as the third-party offer. Failure of the EDA to provide such written notice within the specified period and to exercise its Right of First Refusal by executing a purchase contract within fifteen (15) days of its written notice shall be deemed a waiver of this Right of First Refusal for that offer and Purchaser shall be free to proceed with the sale to the third party on the terms presented in the notice. Notwithstanding the foregoing, neither a sale of the Property as part of the sale of Purchaser's corporate assets generally or granting a security interest or mortgage in the Property, shall be subject to this right of first refusal. The substance of this Paragraph shall be included in the deed from Seller to Purchaser as a covenant running with the land.

8. Conditions Precedent. It is specifically understood that Purchaser's obligations hereunder are conditioned upon the satisfaction of each of the following conditions for a period extending One Hundred Eighty (180) days from the Effective Date of this Agreement or earlier as mutually agreed between Seller and Purchaser, except as otherwise noted, (hereinafter such period is referred to as the "Inspection Period"), any of which may be waived by Purchaser:

(a) Purchaser obtaining any inspections, tests, or studies desired by Purchaser necessary for Purchaser, in its sole discretion, to determine the condition of the Property and the suitability for Purchaser's intended use.
(b) Purchaser obtaining opinions from the City of Lynchburg's Building Official, or his designee, indicating modifications necessary to ensure the Property and improvements contemplated by Purchaser will meet all code requirements.
(c) Purchaser obtaining satisfactory results from environmental inspections it may choose to conduct.
(d) Purchaser satisfying itself as to the marketability of Seller's title to the Property.
(e) Purchaser satisfying itself as to such other matters as Purchaser in its sole discretion deems to be necessary or desirable.

If at the end of the Inspection Period, Purchaser has been unable to complete all of their due diligence, then Purchaser may extend the Inspection Period for an additional One Hundred Eighty (180) days upon written notice to Seller (the Extended Inspection Period). Both Seller and

Purchaser agree to work together in good faith and use commercial reasonable efforts to satisfy the terms and conditions of this Agreement.

Should Purchaser not be satisfied with or waive any one or more of the contingencies set forth in subparagraphs (a)-(e) above within the Inspection Period or the Extended Inspection Period, or should Purchaser desire to terminate this Agreement for any other reason at any time on or before the end of the Inspection Period or the Extended Inspection Period, then Purchaser may, at its option, terminate this Agreement by giving written notice to Seller on or before the last day of the Inspection Period or the Extended Inspection Period whereupon all Earnest Money shall be refunded to Purchaser and this Agreement shall be deemed terminated and of no further force or effect with Purchaser and Seller having no further rights, obligations or liabilities hereunder.

Should Purchaser not terminate this Agreement on or before the end of the Inspection Period or the Extended Inspection Period, the Earnest Money as defined above shall become non-refundable to Purchaser and owed to Seller, except in the event of a default by Seller (subject to subparagraphs (c) and (d) below).

Notwithstanding anything to the contrary contained herein, Purchaser's obligation to close shall at all times be conditioned upon the satisfaction of each of the following conditions (unless Purchaser waives such conditions in its sole discretion):

(c) Seller delivering fee simple and marketable title to the Property to Purchaser by special warranty deed.

(d) The truth and accuracy of Seller's representations hereunder.

Should Seller fail to satisfy (or Purchaser fail to waive) any one or more of the contingencies set forth in subparagraphs (c) and (d) above on or before Closing, then Purchaser shall have the right, at its election, to terminate this Agreement by giving written notice to Seller, whereupon notwithstanding anything to the contrary contained herein, all Earnest Money shall be refunded to Purchaser and such termination shall be in addition to exercising any other right or remedy available to Purchaser hereunder or at law or in equity in the event this Agreement is terminated for Sellers' default.

9. <u>Conveyance of Title</u>. Seller shall convey fee simple title to the Property to Purchaser by special warranty deed to be delivered to Purchaser at Closing, however, the Property condition itself will be provided to Purchaser in an 'as is' condition at Closing. The title to the Property to be conveyed by Seller to Purchaser must be insurable by a title company acceptable to Purchaser under its standard ALTA Owner's Policy of Title Insurance at standard rates, free and clear of all liens, encumbrances, and other exceptions to title, including preprinted exceptions and all survey exceptions and the preprinted exception for shortages in area and subject only to the Permitted Title Exceptions as hereinafter defined. Seller shall deliver to Purchaser at Closing an affidavit acceptable to Purchaser and the Title Company stating that Seller has sole and exclusive

possession of the Property, including, without limitation, any improvements thereon, subject to the Permitted Title Exceptions and stating that either (i) there have been no improvements, additions, alterations, repairs or any changes of any kind whatsoever made to the Property during the last one hundred twenty (120) days immediately preceding Closing, or (ii) if there have been any such improvements or repairs, that all lienors or potential lienors in connection with such improvements or repairs have been paid in full. Seller shall also supply to Purchaser at Closing such other documentation reasonably required by Purchaser, a non-foreign affidavit, and evidence of authority to consummate the sale, all in form and substance acceptable to Purchaser. Seller covenants and agrees with Purchaser that Purchaser shall have the right to examine the title to the Property and to notify Seller of any objectionable matter or defect which affects the marketability or insurability of the title to the Property or which adversely affects the use of the Property for the intended use. In the event Seller is notified of any such objectionable matters, Seller agrees to promptly employ its good faith best efforts to procure a cure for same. In the event, however, Seller is unable through the exercise of its good faith best efforts (as determined in the sole discretion of Seller) to cure any objectionable matter prior to Closing, then at Purchaser's option, Purchaser may either (i) take title to the Property despite the existence of such matter, (ii) remove such objectionable matter and reduce the Purchase Price in accordance with the amount of money expended, or (iii) terminate this Agreement in which event, notwithstanding anything to the contrary contained herein, all Earnest Money paid by Purchaser shall be immediately refunded by the Escrow Agent to Purchaser, and neither Purchaser nor Seller shall have any further liabilities, obligations or rights with regard to this Agreement which shall then become null and void and of no further force or effect. Any title exceptions to the Property existing prior to the Effective Date hereof to which Purchaser does not object, or to which Purchaser waives its objection, are referred to herein as "Permitted Exceptions" or "Permitted Title Exceptions". In the event that any title exceptions or survey matters arise after Purchaser's initial title search that affect the marketability or insurability of the title to the Property or which adversely affect the use of the Property for the Project, Purchaser may after the discovery thereof notify Seller, in which event Seller shall promptly employ its good faith best efforts to procure a cure for same, as required above, and upon the failure of Seller to effectuate a cure, then Purchaser may elect any of the options set forth in subclauses (i), (ii) and (iii) above.

Notwithstanding any of the foregoing or any other provision of this Agreement, Purchaser represents to Seller that the reason for the purchase of the Property is to develop and improve it as shown on **Exhibit "A"**, the substance of which is known herein as the "Project", and said exhibit is attached hereto and incorporated herein by reference. BUYER understands and agrees the special warranty deed will contain a covenant running with the land that is substantially in the form of the following:

Land Restriction to Develop and Improve

1. *Commencement of Development. Grantee shall, within eighteen (18) months of the date of this Deed, commence substantial construction of the improvements described in Exhibit "A", attached hereto and incorporated herein by reference (the "Commencement Period"). The words*

"commence substantial construction" shall mean the issuance of a building permit and the undertaking of material site, renovation, demolition, or vertical construction activities improvements consistent with the Project.

2. *Repurchase Option. In the event the Grantee fails to commence substantial construction within the time period set forth above, the Grantor shall have the option, but not the obligation, to repurchase the property conveyed by this Deed. The repurchase price shall be equal to the original purchase price paid by Grantee at closing, less any unpaid real estate taxes, liens, remediation costs attributable to Grantee, and an allowance for deterioration of the property.*

3. *Exercise of Option. The Grantor may exercise its repurchase option by providing written notice to Grantee within ninety (90) days after the expiration of the Commencement Period. Closing on the repurchase shall occur within sixty (60) days after such notice, and the Grantee shall convey fee simple title back to the Grantee by special warranty deed, free and clear of all liens and encumbrances not previously approved by the Grantor.*

4. *Extension. The Grantor may, for good cause shown by the Grantee, grant a one-time extension of up to six (6) months to the deadline specific to commencing substantial construction.*

5. *Release. Upon commencement of substantial construction, the Grantor shall provide a written release to the Grantee of this restriction, suitable for recordation among the land records of the Circuit Court for the City of Lynchburg, Virginia. Purchaser agrees it shall use the Property consistent with the present zoning restrictions/requirements.*

Use and Reporting Covenant

The property conveyed by this Deed shall be used in a manner that conforms to the Project for a period of at least fifteen (15) years from the date the Project is successfully completed. Annual employment and investment reporting shall be submitted to the Grantor for five (5) years from the date the Project is successfully completed.

10. Condemnation: Risk of Loss In the event, at any time between the making of this Agreement and Closing, all or any portion of the Property is condemned by any legally constituted authority for any public use or purpose, then Purchaser may elect to either: (i) terminate this Agreement, in which event, notwithstanding anything to the contrary contained herein, all Earnest Money paid by Purchaser shall be immediately refunded by the Escrow Agent to

Purchaser, and neither Purchaser nor Seller shall have any further liabilities, obligations or rights with regard to this Agreement; or (ii) collect all proceeds from any condemnation relating to the Property and have the terms of this Agreement remain in full force and effect and binding on the parties hereto. Any such condemnation award shall first be approved by Purchaser. In the event of a condemnation in which Purchaser does not elect to terminate this Agreement pursuant to the foregoing terms, then the term "Property" as used herein shall thereafter refer to the Property less and except any portion thereof taken by such condemnation. It is specifically understood and agreed that the risk of loss or damage to the Property, including all personal improvements thereon, by any casualty or other cause prior to the date of Closing is hereby expressly assumed by Seller. In the event any improvements are damaged or destroyed by casualty, Purchaser may elect to either (i) terminate this Agreement, in which event, notwithstanding anything to the contrary contained herein, all Earnest Money paid by Purchaser shall be immediately refunded to Purchaser by the Escrow Agent, and neither Purchaser nor Seller shall have any further liabilities, obligations or rights hereunder; or (ii) proceed to Closing in which event Purchaser shall be entitled to collect all proceeds from any insurance policies insuring the damaged improvements and receive a credit against the Purchase Price of Closing in the amount of any damaged improvements.

11. Agreement Assignable by Purchaser. This Agreement may be assigned or transferred by Purchaser at any time provided that the assignee shall be bound by the terms of this Agreement and such assignment is approved in writing by Seller prior to such assignment. Seller shall not assign its interest hereunder without the prior written consent of Purchaser.

12. Survival of Closing. All covenants and representations made herein by either Seller or Purchaser shall survive Closing for a period of three (3) months and, thereafter, the parties shall be only be subject to the obligations, covenants, warranties, restrictions, and other provisions provided for in the deed of conveyance provided by Seller to Purchaser.

13. Seller's Representations. Seller represents to Purchaser as of the Effective Date and at all times during the pendency of this Agreement that:

(a) Seller (i) has complete and full authority to execute this Agreement and to convey to Purchaser marketable fee simple title to the Property by special warranty deed, (ii) will execute and deliver such other documents, instruments, agreements, reasonably necessary to effectuate the transaction contemplated herein, and (iii) will take all such additional action reasonably necessary or appropriate to effect and facilitate the consummation of the sale and purchase transaction contemplated herein, including executing any necessary documents required by any governing authorities to facilitate in any governmental approvals or permits required by Purchaser.

(b) All assessments that are liens against the Property and are shown in the official records of the taxing authorities in whose jurisdiction the Property is located; no improvements (site or area) have been constructed or installed by any public authority, the cost of which may be assessed in whole or in part against the Property in the future; and

Seller has not been notified of any possible future improvements that might create an assessment against any part of the Property.

(c) Seller has received no notice of, nor has any knowledge of any pending or threatened taking or condemnation of the Property, or any portion thereof.

(d) At Closing there shall be no leases, subleases or occupancy agreements affecting the Property. Seller will not further sell, lease, encumber, convey, assign or contract to sell, convey, assign, pledge, encumber or lease all or any part of the Property nor restrict the use of all or any part of the Property, nor take or cause to be taken any action in conflict with this Agreement at any time between the Effective Date and (i) Closing, or (ii) the earlier termination of this Agreement pursuant to its terms. Seller additionally hereby represents that no rights-of-first refusal or similar agreements exist in connection with the Property which would in any way interfere with Purchaser's ability to purchase the Property as provided herein, or which is in anyway in contravention of the spirit and intent of this Agreement, nor do any exclusive use provisions, use restrictions or other restrictions affect the Property.

(e) Neither the entering into of this Agreement nor the consummation of the transaction contemplated hereby will constitute or result in a violation or breach by Seller of any judgment, order, writ, injunction or decree issued against or imposed upon it, or will result in a violation of any applicable law, order, rule or regulation of any governmental authority. There is no action, suit, judgment, proceeding or investigation pending which would become a cloud on the title to the Property or any portion thereof or which questions the validity or enforceability of the transaction contemplated by this Agreement or any action taken pursuant hereto in any court or before or by any federal, district, county, or municipal department, commission, board, bureau, agency or other governmental instrumentality.

(f) Seller has no knowledge of, nor has Seller received any notice of, any actual or threatened action, litigation, or proceeding by any organization, entity, person, individual or governmental agency (including governmental actions under condemnation authority or proceedings similar thereto) against the Property, nor has any such organization, person, individual or governmental agency communicated to Seller anything which Seller believes to be a threat of any such action, litigation or proceeding.

(g) Seller has not received notice of any violations of law, municipal or county ordinances, or other legal requirements with respect to the Property, or with respect to the use, occupancy or construction thereon.

(h) During Seller’s ownership of the Property and, to the best of Seller’s knowledge, at all times prior thereto (i) none of the Property has been excavated, (ii) no landfill was deposited on, or taken from, the Property, (iii) no construction debris or other

debris (including, without limitation, rocks, stumps, or concrete) was buried upon any of the Property, and (iv) no toxic wastes or hazardous materials, substances, or wastes were deposited on the Property. As used herein, toxic materials or hazardous wastes, hazardous substances or hazardous materials shall include asbestos and the group of organic compounds known as polychlorinated biphenyls, and any substances or materials that are regulated, controlled or prohibited under the Resource Conservation and Recovery Act of 1976 ("RCRA"), 42 U.S.C. § 690, the Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA"), 42 U.S.C. Sections 9601-9657, as amended by the Superfund Amendments and Reauthorization Act of 1986 ("SARA"), or any similar state law or local ordinance or any other environmental law, the Federal Water Pollution Control Act, 33 U.S.C. §1251, the Clean Air Act, 42 U.S.C. § 7401, the Toxic Substances Control Act ("TCSA"), 15 U.S.C.§ 2601, or any similar state law or local ordinance, or any other federal, state or local environmental statutes, regulations, ordinances or other environmental regulatory requirements.

(i) None of the parties comprising Seller is a "foreign person" as that term is defined in the I.R.C., Section 1445 (F) (3), nor is the sale of the Property subject to any withholding requirements imposed by the Internal Revenue Code, including, but not limited to, Section 1445 thereof.

(j) The Property has free and unrestricted access to all roadways adjacent to the Property, and there are no actual or proposed restrictions on such access.

14. **Notices**. All notices, requests, demands or other communications hereunder shall be in writing and deemed given when delivered personally, when telefaxed via confirmed facsimile transmission or sent via a nationally recognized overnight courier service, or on the day said communication is deposited in the U.S. mail, by registered or certified mail, return receipt requested, postage prepaid, addressed as set forth in this Paragraph 13:

(a) If to Seller:

CITY OF LYNCHBURG
c/o City Manager's Office
900 Church Street
Lynchburg, VA 24504

E-mail: Marjette.Upshur@lynchburgva.gov

(b) If to Purchaser:

805 Court, LLC
101 Mountain Avenue
Roanoke, VA 24016
Attention: Blair Godsey

E-mail: blair@altus-group-inc.com

or to such other address as the parties may from time to time designate by notice in writing to the other parties.

15. **Amendment**. Neither this Agreement nor any provision hereof may be changed, amended, modified, waived or discharged orally or by any course of dealing, but only by an instrument in writing signed by both Purchaser and Seller.

16. **Legal Fees; Joint and Several Liability**. In the event legal action is instituted by any of the parties to enforce the terms of this Agreement or arising out of the execution of this Agreement, the prevailing party will be entitled to receive from the other party or parties reasonable attorney's fees to be determined by the court in which the action is brought. In the event that either of the parties to this Agreement is composed of more than one entity, then all of such entities shall be deemed to be jointly and severally liable for the obligations of such party hereunder, and all covenants made by such party shall be deemed given jointly and severally.

17. **Brokers**. The parties to this Agreement hereby acknowledge and confirm that in connection with the transaction contemplated by this Agreement, Rick Read/Coldwell Banker Commercial Read & Co., Realtor has acted as Seller's Agent representing Seller. Seller agrees to pay all Broker fees (if any) associated with this Agreement. Each party represents to the other that no other real estate broker or agent has been instrumental in the procurement of this Agreement.

18. **Default**. In the event that the purchase and sale is not consummated because of the inability, failure or refusal, for whatever reason whatsoever by Seller to convey the Property in accordance with the terms and conditions provided herein, or because of other fault of Seller or reason provided herein for Purchaser's not consummating this transaction, all Earnest Money paid in connection with this Agreement shall be returned by Escrow Agent to Purchaser. In the event the purchase and sale is not consummated because of the default of Purchaser, then Escrow Agent shall deliver the Earnest Money paid hereunder to Seller as full, complete and final liquidated damages. Seller and Purchaser hereby agree that it would be difficult or impossible to ascertain the damages accruing to Seller as a result of a default by Purchaser under this Agreement and agree that such liquidated damages are a reasonable estimate thereof and are not a penalty. The payment of said liquidated damages, therefore, shall constitute Seller's sole remedy against Purchaser and shall be in lieu of the exercise by Seller of any other legal or equitable right or remedy which Seller may have against Purchaser as a result of Purchaser's default.

19. **Applicable Law; Time Periods**. This Agreement shall be governed by and construed and enforced in accordance with the laws of the Commonwealth of Virginia and any litigation arising therefrom shall occur in the City of Lynchburg, Virginia. In the event that any time period hereunder ends on a Saturday, Sunday or legal holiday (i.e., a "non-business day"), then such time period shall automatically be extended to end upon the next business day.

20. **Waiver**. Failure of either Purchaser or Seller to exercise any right given hereunder or to insist upon strict compliance with regard to any term, condition or covenant specified herein,

shall not constitute a waiver of Purchaser's or Seller's right to exercise such right or to demand strict compliance with any term, condition or covenant under this Agreement.

21. **Counterparts**. This Agreement may be executed in several counterparts, each of which may be deemed an original, and all of such counterparts together shall constitute one and the same Agreement.

22. **Captions**. All captions, headings, paragraph and subparagraph numbers and letters are solely for reference purposes and shall not be deemed to be supplementing, limiting, or otherwise varying the text of this Agreement.

23. **Severability**. The invalidity or unenforceability of a particular provision of this Agreement shall not affect the other provisions hereof, and this Agreement shall be construed in all respects as if such invalid or unenforceable provision were omitted.

24. **Entire Agreement**. This Agreement constitutes the sole and entire agreement of the parties and is binding upon Seller and Purchaser, their heirs, successors, legal representatives and assigns.

25. **Seller's Affirmative Covenants**. Seller shall maintain the Property free from waste and neglect, keep and perform or cause to be performed all obligations of the owner under any recorded title documents, applicable laws and any mortgage or deed of trust affecting the Property. Seller shall tender possession of the Property to Purchaser in the same condition the Property was in when last inspected by Purchaser. From the Effective Date hereof to the Closing date or earlier termination of this Agreement, Seller shall not do, suffer or permit, or agree to do, any of the following: (i) enter into any transaction with respect to or affecting the Property that would in any way prevent Seller's full performance hereunder, limit or adversely affect Purchaser's rights hereunder or as an owner of the Property following Closing (including, without limitation, anything that may subject Purchaser to any cost, liability or expense or otherwise interfere with, delay or increase the cost of Purchaser's acquisition, and operation of the Property for the intended use); (ii) sell, encumber or grant any interest in the Property or any part thereof in any form or manner whatsoever; or (iii) enter into, amend, waive any rights under, terminate or extend any document or instrument affecting the Property without the prior written consent of Purchaser which consent shall not be unreasonably withheld, conditioned or delayed.

26. **Date of Agreement**. The "Effective Date" of this Agreement shall be the last date upon which it is accepted and signed as evidenced below and approved by Lynchburg City Council as provided in paragraph 28.

27. **Indemnification by Purchaser**. Purchaser shall fully defend, indemnify, and hold Seller, its employees, its officers, its officials, and its agents harmless from any and all liabilities, damages, including legal fees and court costs, which may arise out of or are related to

any entry upon the said real property by Purchaser or its agents prior to Closing. Purchaser, at its sole expense, further agrees to repair any damage to the Property caused by Purchaser or its agents prior to Closing.

28. Approval of Lynchburg City Council. Notwithstanding any other provision of this Agreement, both parties hereto agree and understand the conveyance of the Property to Purchaser is contingent upon final approval being given by the Lynchburg City Council. In the event such approval does not occur, then the Earnest Money shall be returned to Purchaser and neither party will have any further obligation to one another under this Agreement.

29. Third-Party Beneficiaries. This Agreement is solely between Seller and Purchaser, and no third-party rights of any kind are created by this agreement.

30. Electronic Signatures. The Seller and Purchaser authorize the use of electronic signatures, if necessary, as an additional method of signing this Agreement. This Agreement may be executed in counterparts. Further, a copy or facsimile of a signature shall be deemed just as authentic as an original signature.

31. RFP and Proposal. Seller's Request for Proposals #2026-048, issued on November 21, 2025, including any addenda thereto, as well as Purchaser's Proposal, dated December 15, 2025, including any addenda thereto, are attached hereto collectively as **Exhibit "B"** and incorporated by reference herein this Agreement.

SIGNATURES APPEAR ON THE FOLLOWING PAGE

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of the day and year written below.

CITY OF LYNCHBURG
Seller

By: _____

Title: _____

Date:_____

805 COURT, LLC
Purchaser

By: _____

Title: _____

Date: _____

The undersigned hereby acknowledges receipt of the earnest money herein set forth and agrees to hold and disburse the same in accordance with the terms hereof:

IMPACT TITLE & SETTLEMENT, LLC

By:_____ Date: _____

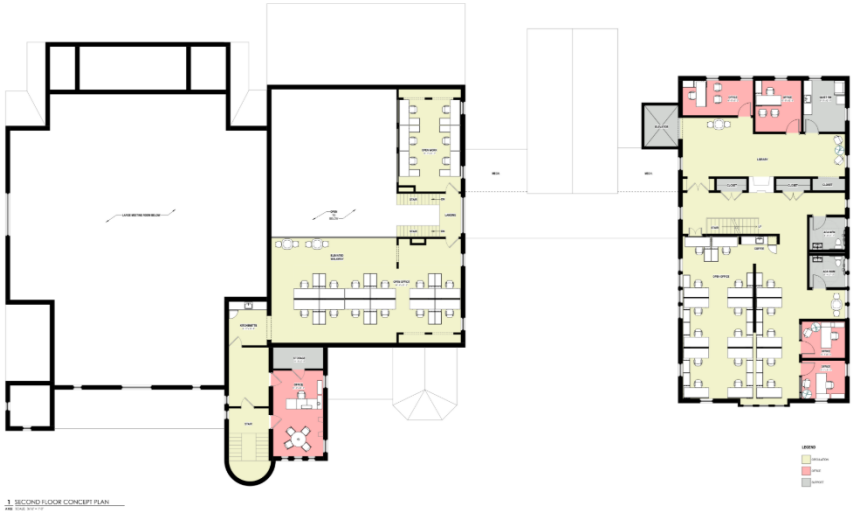
Printed Name:_____

Title:_____

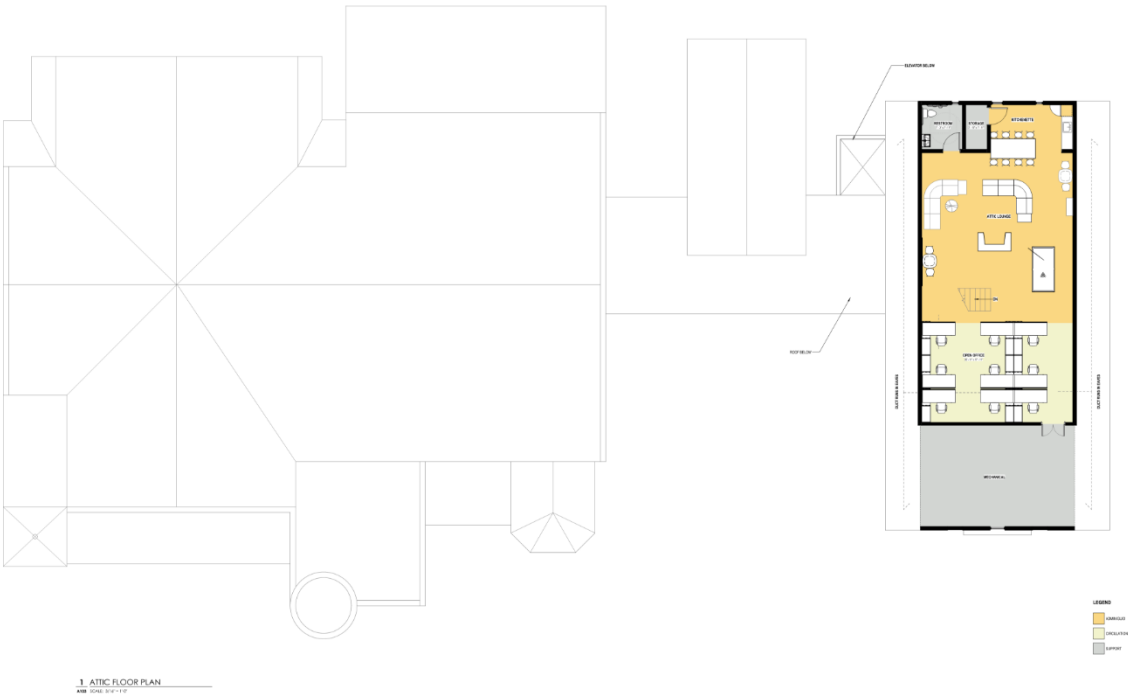
805 Court Street
Lynchburg, Virginia 24504
Tax Map ID No. 0244503

Exhibit A
Development Scope, Use and Timeline

Redevelopment of the Property will utilize state and federal historic tax credits ensuring the historic integrity of the Property is maintained. Upon completion of the redevelopment, the Property will be a modern Class A office building supporting approximately 80 technology sector jobs (the "Property Use"), further enhancing the downtown central business district and expanding on the strength, diversity and positive trajectory of Lynchburg's business community. Any modifications to the Property Use subject to approval by the City Manager for the City of Lynchburg or another designee of the City of Lynchburg and in compliance with all applicable community development, zoning and historic preservation processes. The concept plan for the redevelopment is as follows:



805 Court Street
Lynchburg, Virginia 24504
Tax Map ID No. 0244503



Timeline for redevelopment following the Inspection Period, Extended Inspection Period and Closing as noted below. Design development, project budgeting, final tenant lease negotiations, project financing and Part 1 approvals from Department of Historic Resources (DHR) and National Park Service (NPS) to occur during the Inspection Period and/or Extended Inspection Period:

I. Phase I: Finalize construction documents and submit to the City of Lynchburg for permit. Finalize Part 2 approvals from DHR and NPS, execute contractor agreements, close on financing and construction mobilization (Spring/ Summer 2027).

II. Phase II: Complete comprehensive redevelopment of the Property, including new mechanical, electrical, plumbing, fire, sprinkler and life safety systems, finishes and restoration of historic components such as roof, masonry façade and stain glass per requirements of DHR and NPS and concept plans (the "Work") (Spring 2027- Summer 2028).

III. Phase III: Close out construction and complete all punch lists, move in tenant and close permanent financing. (Summer/ Fall 2028).

REQUEST FOR PROPOSALS TITLE PAGE
Include This Page as the First Page in Your Proposal Response

Proposal Title: **Purchase and Development of 805 Court Street**

This is the City of Lynchburg's Request for Proposals (RFP) No. **2026-048** issued **November 21, 2025**. Direct inquires for information should be directed to Stephanie Suter: stephanie.suter@lynchburgva.gov or 434-455-3963. All requests for clarification of or questions regarding this RFP must be made in writing and be received by **2:00 PM on December 11, 2025**. All responses to this solicitation shall be in strict accordance with the requirements set forth in this RFP document and the ensuing contract documents.

To schedule a site visit, contact Stephanie Suter and arrangements will be made.

Sealed proposals will be publicly accepted prior to **5:00 PM, December 19, 2025;** however only the names of firms responding will be available for announcement. Proposals received after the stated due date and time shall not be considered and will be returned to the Offeror. Submit proposals in a sealed, opaque envelope, and put the RFP number, title, due date and time on the lower left front. Offerors are responsible for having their proposal stamped by Procurement Division staff before the deadline indicated above and acknowledge all addenda so issued in the space provided below. Any alteration or changes to this RFP will be made only by written addendum issued by the Procurement Division and all Offerors are responsible for obtaining issued addenda from the City's Procurement website: https://www.lynchburgva.gov/Bids.aspx.

Acknowledge receipt of addenda here: No. ____ Date: _____ No. ____ Date: _____ No. ____ Date: _____

Submit proposals electronically or by mail, ground delivery, or hand delivered to:

Procurement Division
900 Church Street
Lynchburg, Virginia 24504

Information the Offeror deems Proprietary is included in the proposal response in sections(s): _____
See Paragraph B. on page 2 for guidelines on submitting proprietary information.

In compliance with this RFP and all the conditions imposed therein, the undersigned offers and agrees to furnish the services in accordance with the attached proposal or as mutually agreed by subsequent negotiations. By my signature below, I certify that I am authorized to bind the Offeror in any and all negotiations and/or contractual matters relating to this Request for Proposals. Sign in ink and type or print requested information.

Full Legal Name of Offeror: _____

Fed ID OR SOC. SEC. NO.: _____ Date: _____

Address: _____ Phone: (___) _____

_____ E-mail address: _____

Signature: _____ _____

Typed or Printed Name, Title

Stephanie Suter

City Procurement Manager's Signature

I. SUBMISSION OF PROPOSALS

A. To submit a proposal electronically, access the *Submit Online* button as part of the RFP description on the City's Bid Postings webpage: https://www.lynchburgva.gov/Bids.aspx. All proposals submitted should be uploaded as a single PDF file and must be submitted by the deadline. Late proposals will not be considered. Proposals will be stored in a secure folder until after the deadline has passed then accessed by Procurement staff.

B. Nothing herein is intended to exclude any responsible Offeror or in any way restrain or restrict competition. All responsible Offerors are encouraged to submit proposals.

C. Proposals having any erasures or corrections must be initialed by the Offeror in ink.

D. The City reserves the right to accept or reject any or all proposals, to waive informalities, and to reissue any request for proposals.

E. By submitting a proposal response, the Offeror agrees that the proposal response will not be withdrawn for a period of 90 days following the due date for proposal responses.

F. By submitting a proposal response, the Offeror certifies that it has not combined, conspired or agreed to intentionally rig, alter or otherwise manipulate, or to cause to be rigged, altered or otherwise manipulated its proposal response for the purpose of allocating purchases or sales to or among persons, raising or otherwise fixing the prices of the goods or services, or excluding other persons from dealing with the City.

G. By submitting a proposal response, the Offeror certifies that its proposal is made without collusion or fraud and that it has not offered or received any kickbacks or inducements from any other Offeror, supplier, manufacturer or subcontracting firm in connection with its proposal; and that it has not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised.

H. The City will not be responsible for any expense incurred by any Offeror in preparing and submitting a proposal response. All proposals submitted will become the property of the City.

II. GENERAL INFORMATION AND OBJECTIVE

The purpose of this request for proposal (RFP) is to invite qualified developers, development teams, or organizations (Offeror) to submit proposals for the purchase and redevelopment of 805 Court Street. The City seeks redevelopment that attracts or retains a high-growth industry employer with the potential for above average wages and long-term economic growth. Example users include (but are not limited to) those from sectors such as Engineering, Technology, Professional Services, etc. Developer should demonstrate significant experience in historic renovation and adaptive reuse.

Proposals should deliver high-quality office space with strong employment density. A substantial percentage of the building must be dedicated to office or high-growth industry employer occupancy. Mixed-use or residential components will be considered only if office occupancy cannot be achieved for the full building.

The property use must remain consistent with approved use for a period of fifteen years. Annual employment and investment reporting shall be submitted to the City and include occupancy, wages, job creation, and investment.

This RFP ensures transparency, competitiveness, and alignment with the City's goals for downtown revitalization, high-wage job creation, and the attraction of high-tech industry.

III. BACKGROUND AND SITE DESCRIPTION

Originally constructed as a church in 1900, 805 Court Street is a City-owned historic property located in the heart of downtown Lynchburg. Most recently housed the Lynchburg Police Department and is now vacant. The following attachments are provided for informational purposes:

A. Attachment A – Property Maps

B. Attachment B – Zoning Information

C. Attachment C - Comprehensive Plan & Downtown 2040 Plan Excerpts

D. Attachment D – Facility Condition Assessment dated May 28, 2024

E. Attachment E – Phase I Environmental Site Assessment dated April 17, 2024

F. Attachment F – Phase II Environmental Site Assessment dated July 30, 2024

IV. OPPORTUNITY

Property Details

805 Court Street, Lynchburg, Virginia 24504

- **Parcel ID:** 02445003
- **Zoning:** B-1 (Limited Business District); located in the Court House Hill Local Historic District
- **Acreage:** 0.6 acres (GIS)
- **Improvements:** 21,868 SF 2 Story Building
- **Ownership:** City of Lynchburg
- **Assessed Value (2025):** $1,000,000
- **Utilities:** Public water, sewer, electric, and fiber
- **Surrounding Uses:** Courts, downtown commercial, office, residential

Additional Information

- The property is offered **as-is**.
- The City may assist with rezoning or permitting processes, subject to formal approvals.

Responsibilities of the Offeror

- **Entitlements**

  The Offeror shall be responsible for all aspects of the Project including pre-development planning, environmental review, design, and financing. The selected Offeror shall be responsible, at its sole expense, for obtaining all land use and building permits and other government approvals required for its proposed Project. During the Negotiation Period, the selected Offeror shall prepare and process an initial study and undertake all other actions required for City approval of the Project, at Offeror's cost. In addition to the initial study, Offeror may, during the Negotiation Period, without any guaranty of approval therefore, seek City approval of any zoning changes. The project will be expected to begin its construction phase within 6 months of sale, or as otherwise noted within the contract of property sale. Should the project not begin within the allotted 6 months, or otherwise agreed upon schedule, the City shall have full authority to purchase the property back at the initial sale price.

- **Predevelopment Costs**

  The selected Offeror shall bear all predevelopment costs relating to this Project. All fees and/or expenses of engineers, architects, financial consultants, attorneys, planning or other consultants or contractors retained by Offeror for any study, analysis, evaluation, report, schedule, estimate, environmental review, surveys, planning and/or design activities, drawings, specifications or other activity or matter relating to the Project shall be the sole responsibility of and undertaken at the sole cost and expense of Offeror and no such activity or matter shall be deemed to be undertaken for the benefit of, at the expense of, or in reliance upon the City.

- **Construction**

  The selected Offeror shall be responsible for demolition, construction and commissioning of the Project including obtaining all permits, fees, and approvals necessary for construction of the Project. Construction must commence within 12 months of closing and substantial completion expected within 24-36 months. Quarterly construction updates shall be provided to the City.

- **Repurchase Protection**

  If the buyer fails to commence construction on time, the City retains the right to repurchase the property at the original purchase price.

  The buyer must grant a 5-year Right of First Refusal to the Economic Development Authority on any attempted sale.

IV. PROPOSAL PREPARATION

Proposals must address the items included in the Scope of Services and the Criteria for Proposal Evaluation. Proposals should be prepared simply, providing straightforward and concise responses to requests for information and descriptions of qualifications and capabilities. **Responses shall be limited to no more than 10 pages, excluding the cover and Title Page.** Incomplete proposals may be determined nonresponsive.

Offerors should organize their proposals using the format described below:

Title Page

Furnish the **REQUEST FOR PROPOSALS TITLE PAGE** and include it as the first page of the proposal. The name stated on the Title Sheet must be the full legal name of the Offeror and the address must be that of the office which will have the responsibility for the redevelopment. Offers should acknowledge receipt of any addenda on the Title Page. Failure to do so may result the proposal being deemed non-responsive.

Section 1 – Conceptual Development Narrative

Provide the following:

Development Details

- Project concept and proposed use to include program mix, space allocations, and tenanting strategy. Provide any conceptual site and floor plans.
- Historic preservation approach
- Preliminary site and architectural concepts
- Anticipated access, parking, and circulation

- Infrastructure needs
- Phasing

Economic Impact

- Capital investment
- Projected job creation (number, wages, timing)
- Estimated tax impact

Community Capability

- Downtown activation
- Preservation strategy
- Construction impact mitigation

An architectural plan is not required at this stage, but will be required prior to closing. If site work, new buildings, or building additions are proposed, a fully engineered site plan will be required prior to closing.

Section 2 – Project Timeline

Provide a detailed schedule for design, permitting, construction, and occupancy.

Section 3 – Qualifications

Provide the background and experience of Offeror and key team members in successful completion of redevelopment of historic properties and adaptive reuse experience. Provide any technology sector or office tenant project experience.

Section 4 – Financial Capacity

Provide the proposed purchase price, redevelopment budget, financing plan, earnest money, and closing timeline. Include any contingencies. Provide two years of audited/CPA prepared financials.

VII. PROPOSAL EVALUATION AND AWARD

The following criteria will be utilized in evaluating proposals:

- Technology sector job creation and wage impact (25 points)
- Historic redevelopment experience and capacity of the development team (20 points)
- Capital investment (20 points)
- Project readiness (15 points)
- Purchase price (15 points)
- Community compatibility (5 points)

Method of Award

Proposals will be evaluated following the criteria above to determine which Offeror provides the best value and overall project to the City. The City reserves the right to reject all proposals, request additional

information and clarifications, and interview any Offeror responding to the RFP to determine the top-ranked Offeror whom with to negotiate a sales contract.

Following Offeror selection and execution of a Letter of Award, Offeror shall pay to the City as a deposit Five Thousand Dollars ($5,000.00) within ten (10) business days of the date of the Letter. Such deposit shall be credited to the purchase price of the Property. Offeror shall then proceed with detailed due diligence, pre-development, and entitlement activities while working with the City to negotiate a Purchase and Sale Agreement and Development Agreement for the property. The Purchase and Sale Agreement shall be entered into and a Development Agreement signed within sixty (60) days of the date of the Letter of Award. If such Agreements are not finalized, the City may choose to extend the time to enter into such Agreements, terminate negotiations and this RFP, or terminate the negotiations with the first chosen Offeror and start negotiations with the next most-qualified Offeror. If negotiations are terminated for any reason other than agreed upon extensions, the deposit shall be forfeited.

Notice of Award will be posted on the City's website once negotiations and closing details are finalized.

VIII. GENERAL TERMS AND CONDITIONS

A. Laws and Regulations

The Successful Offeror shall give notice and comply with all laws, ordinances, rules, regulations, and lawful orders of any public authority bearing on the performance of the work. Any legal proceedings arising out of or related to this agreement shall be filed by the parties in the City of Lynchburg General District Court or the Lynchburg Circuit Court.

B. Licenses and Permits

The Successful Offeror shall secure and pay for all land use and building permits, governmental approvals and fees, and licenses necessary for the proper execution and completion of the work which are legally required prior to and during the work.

C. Taxes

The Successful Offeror shall pay all City, State and Federal taxes required by law enacted at the time proposals are received and resulting from the work or traceable thereto, under whatever name levied. Said taxes shall not be in addition to the contract price as the taxes shall be an obligation of the Offeror and not of the City and the City shall be held harmless for same by the Successful Offeror.

D. Indemnification

To the fullest extent permitted by law, the Successful Offeror, for itself, heirs, representatives, successors and assigns agrees to save, defend, keep harmless and indemnify the Economic Development Authority of the City of Lynchburg, Virginia and its officials, agents, and employees from and against any and all claims, loss, damage, injury, costs (including court costs and attorney's fees), charges, liability or exposure, however caused, resulting from, arising out of or in any way connected with the Service Provider's performance (or nonperformance) of the contract terms or its obligations under this contract.

Zoning	805 COURT ST
TRC	

PROPERTY INFORMATION

PARCEL ID	ADDRESS
02445003	805 COURT ST

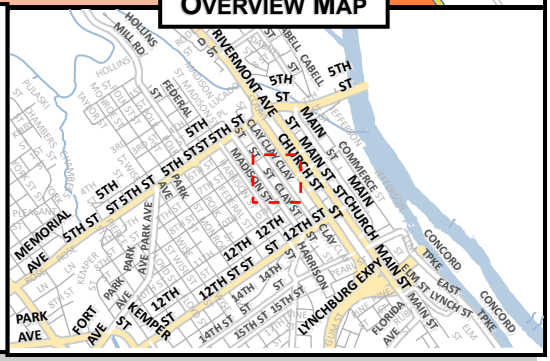
LEGEND

- Subject Property
- 215 Foot Buffer

B-1	I-1	R-1
B-3	I-2	R-2
B-4	I-3	R-3
B-5	IN-1	R-4
R-C	IN-2	

MAP SCALE: 1:1,467 DATE PRINTED: 11/19/2025

OVERVIEW MAP



FLUM	805 COURT ST
TRC	

PROPERTY INFORMATION

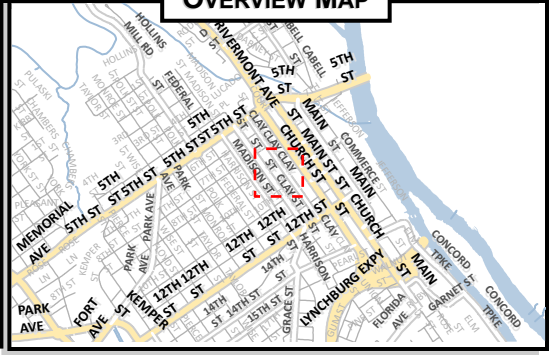
PARCEL ID	ADDRESS
02445003	805 COURT ST

LEGEND

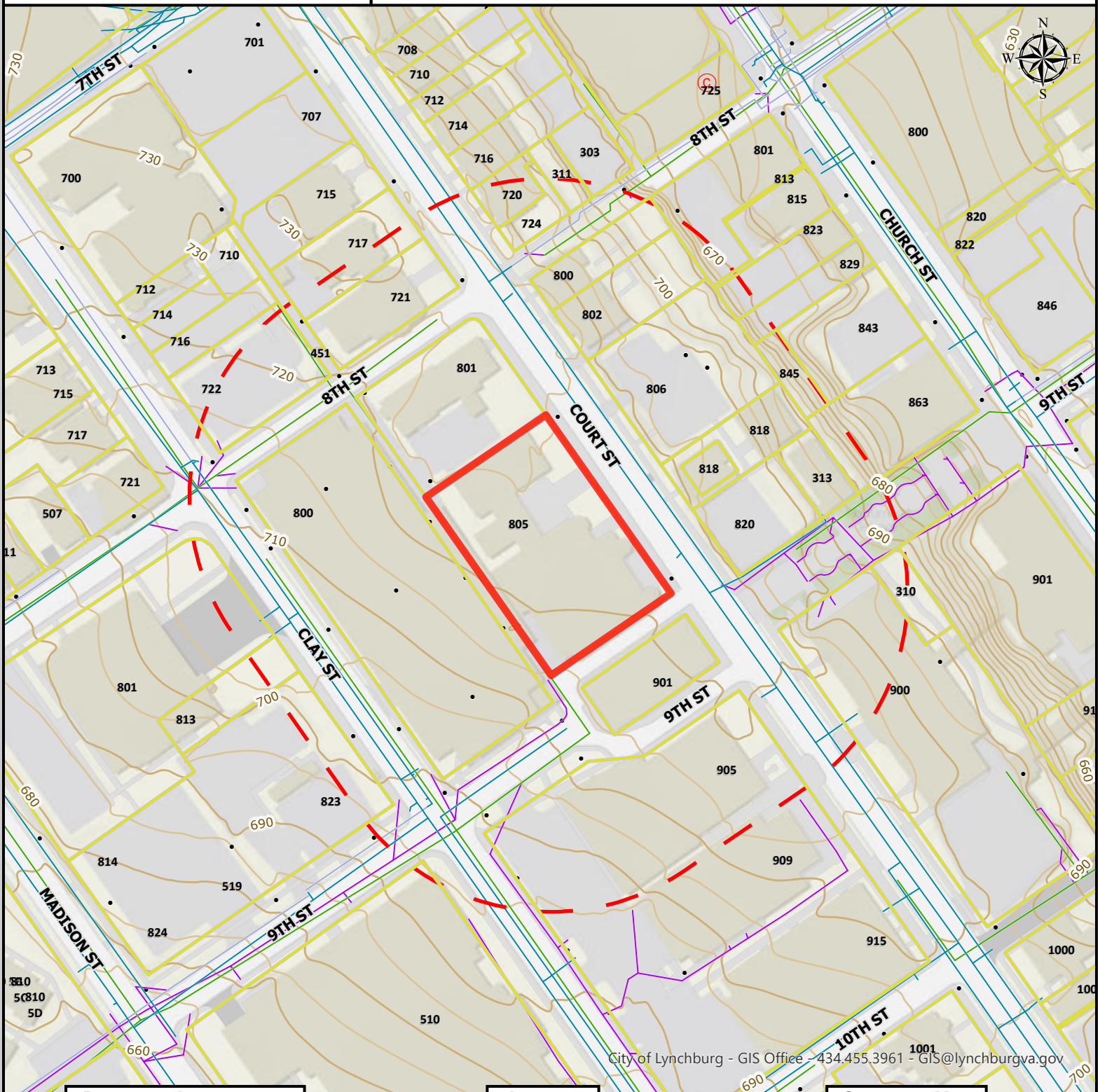
- Local Historic District
- Traditional Residential
- Low Density Residential
- Medium Density Residential
- High Density Residential
- Neighborhood Commercial
- Community Commercial
- Employment 1
- Employment 2
- Downtown
- Institution
- Public Use
- Public Parks
- Resource Conservation
- Mixed Use

MAP SCALE: 1:1,467 **DATE PRINTED:** 11/19/2025

OVERVIEW MAP



Planimetric and Topographic-TRC	805 COURT ST
TRC	



Property Information

Parcel ID	Address
02445003	805 COURT ST

Legend

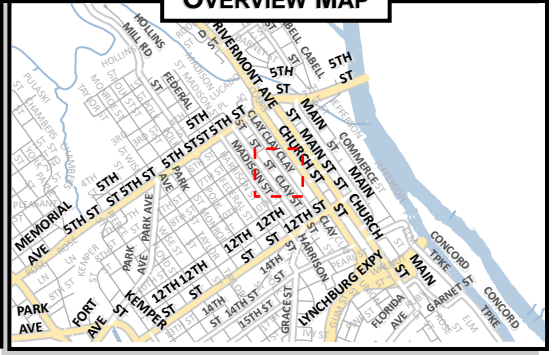
		Active	Proposed	Abandoned
Utilities	Water			
	Sanitary			
	Storm			

		Paved	Unpaved	Other
Planimetrics	Structure	-	-	
	Roadway			-
	Parking			-
	Sidewalk		-	-
	Driveway	-	-	

Topography	Contour	100'	20'	5'
		50'	10'	1'

Map Scale: 1:1,467 **Date Printed:** 11/19/2025

Overview Map



Watershed	805 COURT ST
TRC	

Property Information

Parcel ID	Address
02445003	805 COURT ST

Legend

- Subject Property
- Base Flood Elevation
- Floodway
- Floodzone
- River / Lake / Stream

Overview Map

Map Scale: 1:1,467 Date Printed: 11/19/2025

Sec. 35.2-45. - Limited Business Districts (B-1). (Web version available at https://library.municode.com/va/lynchburg/codes/code_of_ordinances?nodeId=CH35.2ZOOR_ARTIVBAZODI_S35.2-45.1DIPU)

Sec. 35.2-45.1. - B-1 district purpose.

The B-1 district is intended to provide for office, retail, restaurant and service uses that are compatible with nearby residential areas because they are in scale with adjacent neighborhood development and have pedestrian-oriented designs. While they generate a moderate level of traffic, they do not involve the constant traffic flows characteristic of community-scaled retail activities. These districts can provide a transition from retail districts and heavily traveled thoroughfares to residential areas.

Sec. 35.2-45.2. - Authorized uses.

(a) The uses authorized by IV-12 may be established in accordance with the procedures in Article II, the district standards in this article, the site development standards established in Article II and specific use standards established in Article VI, as well as other applicable rules and regulations.

(b) Uses may also be limited by overlay standards established in Article V of this Zoning Ordinance.

(c) See Article III for the rules of interpreting authorized uses and Appendix A for a complete listing of land uses allowed in every zoning district.

(d) Uses designated "P" are permitted by right and uses designated "C" require issuance of a conditional use permit.

Exhibit IV-12: Authorized Uses in B-1 District

Land Use	LBCS #	Description	Approval Type
single-household detached	**1111S**	Typical single-household dwelling	P
modular home	**1114S**	A prefabricated home without axles or frames (see definitions)	P
Two-household (duplex)	**1121S**	A building located on one (1) zoning lot containing not more than two (2) dwelling units	C
single-household attached (townhouse)	**1140S**	Each unit on a separate lot; fire wall may protrude from roof or roofs may be staggered	C
Multi-household structures	**1200S**	Includes triplexes, four-plexes, and other multi-household dwellings	C

Mixed-use residential structures (see district regulations for limitations)	**1201S**	Typically commercial uses on lower floors and residential uses on upper floors	C
Housing Services	**1200**	Housing and custodial services for those who cannot care for themselves. Includes nursing and retirement homes, congregate living, assisted and continuing care living, but excludes rehab uses in LBCS #6520)	P
Bed & Breakfast and Tourist Homes	**1310**	Guest rooms in a private home or accessory building to a private home	P
boarding house	**1321**	Non-transient lodging that may include meals and is owner occupied	P
rooming house	**1322**	Transient or non-transient lodging that may include meals	P
dormitory, sorority or fraternity house	**1323**	Allowed only as accessory uses to and owned by a college or university	C
Short Term Rental	**1350**	Provision of lodging for fewer than thirty (30) consecutive days. (See Section 35.2-71.16)	P
Bicycles	**2113b**	New or used bicycle sales, rental and repair	P
camera and photographic supplies; clothing, jewelry, luggage, shoes, clocks, sewing; sporting goods, toy and hobby, and musical instruments; mixed media, school and office supplies	**2132-2135**	Primarily retail cameras and photographic supplies or retail with repair and film developing; clothing (including shoe repair and tailoring, sporting goods, toys, musical instruments, kitchen goods, books, magazines, music, videos, stationary, greeting cards, seasonal decorations, office and school supplies.	P
florist, art supplies, tobacco products	**2141-2143**	Florists, art supplies and art dealers, frame shops, tobacco products	P

art galleries	**2142b**	Excludes art supply sales and retail framing services	P
antique shop	**2145**	Antique shops, (excludes flea markets, thrift stores and pawn shops)	P
grocery store, supermarket, or bakery, convenience store, specialty food stores	**2151-2154**	Included are grocery stores, convenience stores, meat, seafood and produce markets, coffee, confections, variety goods and general stores, and delicatessens. Excludes stores with fuel pumps (see 2116 for fuel sales).	P
beer, wine, and liquor store	**2155**		P
Health and personal care	**2160**	Retail prescription or nonprescription drugs; retail cosmetics, perfumes, toiletries; prescription or nonprescription eyeglasses; prescription or nonprescription health and convalescent aids; medical devices, retail food supplement products such as vitamins, nutrition supplements, and body enhancing supplements.	P
Bank, credit union, or savings institution	**2210**	Central banking functions	P
credit card and other financing	**2221**	Credit card, sales financing, unsecured consumer lending, real estate credit, mortgages, international trade financing	P
Investment banking, securities, and brokerages; insurance; fund, trust, or other financial establishment	**2230-2250**	Securities underwriting, brokering, exchange services, managing portfolios; Insurance underwriting, selling insurance; manage assets on behalf of shareholders or beneficiaries	P
Real estate services	**2310**	Sell or lease real estate such as buildings, manufactured home sites and vacant lots; includes real estate appraisers and realtor offices	P

professional offices	**2411-2014**	Title abstract, lawyers, notaries, accountants, bookkeeping, payroll services, architects, engineers, surveyors, graphic design, interior design and industrial design	P
consulting services (management, environmental technical)	**2415**	Advise and assist businesses on management, scientific, and technological issues	P
scientific research and development services	**2416**	Conduct research or analyze in the physical, engineering, cognitive, or life sciences in offices.	P
other professional offices	**2419, 6810, 6820**	Includes advertising and media services intellectual property rights, franchising, labor, political or business organizations, and uses with similar impacts	P
office administrative services	**2421**	Office administration such as billing, record keeping, personnel, organizational planning	P
facilities support services	**2422**	Provide operating staff for support services within a client's facilities, including janitorial, security, laundry services, etc.	P
employment agency	**2423a**	Provide employee placement, temporary help	P
copy center, private mail center, other business support services	**2424**	Provide document preparation, telephone answering, telemarketing, court reporting, steno typing, FAX, internet access, small signs and banners	P
collection agency	**2425**	Collect payments, compile credit information, repossess tangible assets	P
Travel arrangement and reservation services		Promote or sell travel, includes convention and visitors' bureaus	P

Restaurants, cafeterias, snack bars & catering	**2510-2530 &2560**	Provide food and drinks to patrons - see district specific use regulations for limitations. Includes banquet, assembly and reception halls. See district standards.	P
Personal care	**2610**	Hair, nail, and skin care and related personal care, barbers, beauty shops, dieting and weight loss, tanning, hair removal, hair weaving, ear piercing and similar services	P
laundromat and dry cleaning	**2621 & 2622**	Includes Laundromats, dry cleaners, diaper services as well as other commercial laundry services	P
Photofinishing	**2630**	Primarily engaged in developing film or making slides, etc.	P
Parking lot and parking garage	**2640**	See district standards	P
licensed massage therapist	**2651**		P
pet cemetery	**2723**		C
national post office	**4181**		P
retail courier and package delivery	**4182**	Retail courier, package drop-off and mail services	P
wireless telecommunications transmission	**4233**	Operate, maintain or provide access to facilities for the transmission of voice, data, text, sound or video, see section 35.2-73 for telecommunications ordinance	C/P
telephone and other wired telecommunications	**4234**	Operate telephone networks - excludes switching stations	P
Telecommunications switching stations/exchanges	**4239**	Telecommunications switching stations and exchanges with no on-site employees	C
library or archive	**4242**	Provide library or archive services	P

data processing and management, hosting and related services	**4244**	Web hosting, computer data storage, optical scanning, computer input preparation, microfilm imaging	P
Public Utilities Services, Major	**4315, 4329, 4339, 4349**	Includes transmission lines for water, wastewater, stormwater, electricity, natural gas or telecommunications services regulated by the State Corporation Commission of a regional nature and normally entail the construction of new buildings or structures such as electrical switching facilities and stations or substations, electric, gas, and other utility transmission lines of a regional nature which are not otherwise reviewed and approved by the Virginia State Corporation Commission. All overhead transmission lines are included in this definition.	C
Public Utilities Service Minor	**4315, 4329, 4339, 4349**	Includes distribution or collection lines and appurtenances for water, wastewater, stormwater, electricity, natural gas or telecommunications services regulated by the State Corporation Commission that are necessary to support development within the immediate vicinity and involve only minor structures. Included in this use type are small facilities such as transformers, relay and booster devices, and well, water and sewer pump stations, and wireless communication antennas attached to existing buildings or structures.	P
electric substations	**4316**		C
Water treatment plants and utility facilities	**4331 - 4333,**	Water treatment plants, pumping stations and lift stations	C
Theater, dance or music establishment	**5110 & 5160**	Companies, groups, or theaters that produce theatrical presentations, dance, dinner theaters, and live musical entertainment;	P

		includes facilities for independent artists and performers	
Promoter of sports, performing arts, similar events and management services	**5140 - 5150**	Organize, promote, and manage performances and events; agents representing artists, athletes and entertainers	P
Museums and Other Special Purpose Recreational Institutions	**5200**	Public and private museums, historical sites, and similar establishments	P
Country Club	**5340 & 6830**	Operate private country clubs, with tennis courts and golf courses along with dining facilities and other recreational facilities; includes civic, social and fraternal organizations without dwellings	P
fitness and recreational sports center	**5371**	Aerobic dance or exercise center, gymnasium, physical fitness center, health and athletic club, indoor handball, racquetball, volleyball, tennis, or swimming facilities conducted inside a building	P
outdoor recreation	**5372, 5373 & 5374**	Includes for profit golf courses, archery ranges, outdoor volleyball, tennis, or swimming facilities, recreational courts, recreational day camp and horseback riding	C
Natural and other Recreational Parks	**5500**	All parks without special economic functions, other than limited concessions	P
Nursery or preschool	**6110**		P
Grade school	**6120**	Comprises all public, private, and specialty schools between the preschool and university level; includes adult education services not addressed elsewhere. See district use standards	P
College or university	**6130**	See district use standards	P

Public Safety	**6400**	Government-owned establishments providing fire and rescue, police, and emergency response services	P
Clinic	**6511 & 6567**	Include physician offices, dentists, chiropractors, optometrists, licensed massage therapists, and veterans affairs services	P
outpatient care clinic	**6512**	Provide outpatient family planning services and outpatient care	P
group home small	**6522**	Fewer than five (5) aged or infirm individuals or fewer than nine (9) individuals with mental, intellectual or developmental disabilities	P
group home large	**6523**	Five or more aged or infirm individuals, or nine (9) or more individuals with mental, intellectual or developmental disabilities	P
Hospital	**6530**		C
child and adult day care	**6562**	Provide day care for children and adults	
Home	**6562a**	Day care for fewer than six (6) individuals in a residence	P
Small	**6562b**	Day care for six (6) to twelve (12) individuals in a residence	P
Large	**6562c**	Provide care for more than 12 individuals	P
Religious Institutions	**6600**	Churches, temples, synagogues, mosques, convents and monasteries	P
Funeral home and services	**6710**	Includes funeral homes combined with crematories	P
free-standing cemetery	**6722**		P
Columbarium	**6724**		C

Vegetable farming or growing	**9120**	Includes private fields and community gardens with production limited to retail sales	P
Commercial orchards	**9130**	Includes fruit and nut trees with production limited to retail sales	P
Animal Production	**9300**	Keep, graze, breed or feed animals (see district standards)	P
revival meetings/transient amusements	**9921**	Includes temporary carnivals and circuses sponsored by non-profit organizations (see section35.2-72.23)	P
cluster commercial development	**9955**	See section 35.2-85	C

(Ord. No. O-17-013, § 1, 2-14-17; Ord. No. O-19-040, § 1, 10-8-19; Ord. No. O-20-026, 11-10-20; Ord. No. O-21-010, 2-9-21)

Sec. 35.2-45.3. - B-1 District use standards.

The following standards supplement the standards for specific uses established in Article VII:

(a) No lot, building or structure shall be used and no building or structure shall be erected that is intended or designed to be used, in whole or in part, for any industrial or manufacturing purposes.

(b) Drive-through and drive-in uses are not allowed in this district except under the following conditions:

1. Drive through and drive-in uses shall not be associated with businesses providing food or beverage services;
2. Drive-through services shall be located in the rear of the building and shall take access from an urban collector or local street; and
3. Drive-through services shall be designed so that not more than one two-way access or two one-way access points serving such uses shall be located on a single block.

(c) Outdoor operations, storage, or display are prohibited except as authorized for temporary outdoor display or outdoor dining.

(d) The scale of businesses shall be compatible with adjacent neighborhoods and shall not exceed the floor areas established in Exhibit IV-13.

Exhibit IV-13: Maximum Floor Areas for the B-1 District

Development	Maximum Gross Floor Area (sq. ft.) Per Lot
Multi-tenant commercial developments or mixed use developments	50,000
Single office development	20,000
Single retail or service business	5,000
Restaurant	4,000

(e) Except authorized single household dwellings and other residential uses permitted by conditional use permit, ground floor residential uses shall be prohibited.

(f) Schools for general education with maximum enrollments of 25 or fewer students shall only be allowed subject to the setbacks for other uses allowed in the district. Schools with maximum enrollments in excess of 25 students shall be subject to approval of a conditional use permit and setback requirements for schools established in section 35.2-72.21 (Schools, Colleges and Vocational Schools).

(g) Not more than three unrelated individuals may occupy a dwelling unit in the B-1 district unless otherwise approved by a conditional use permit.

(h) Accessory uses and structures shall comply with the provisions of section 35.2-71.

(Ord. No. O-17-013, § 1, 2-14-17; Ord. No. O-20-026, 11-10-20)

Sec. 35.2-45.4. - B-1 District development standards.

Dimensional standards for the B-1 district are summarized in Exhibit IV-14. Section cross-references identify the location of additional dimensional standards and rules for their application. The standards in this section apply in addition to the site development standards of Article VI and site development standards applicable to specific uses established in Article VII.

(a) *Setbacks.* Setbacks are subject to compliance with in section 35.2-66.4 (Visibility at Intersections) and applicable landscaping requirements.

(b) *Lot Area Regulations.* In addition to the minimum lot size of 6,000 square feet, a total minimum area of 1,000 square feet is required for each dwelling unit, or unit in a boardinghouse, lodging house, nursing home, tourist home or hotel unit.

(c) *Parking.* Required on-site parking shall be provided behind the front building line in accordance with section 35.2-62 except where an existing building with parking in front of the building line is being reused and locating required parking in rear or side yards is not practical due to extreme topography or access limitations.

(d) *Dumpsters.* Dumpsters on lots abutting residential zoning districts shall be screened pursuant to section 35.2-63.9 (Utility Screening) and set back at least 25 feet from any residential property line.

(e) *Landscaping.* Where a building is located within five feet of the right-of-way, required street trees and foundation plantings may be planted in City right-of-way with permission of the City.

(f) *Development Patterns.* The B-1 district development standards may be modified through the approval of a cluster commercial development.

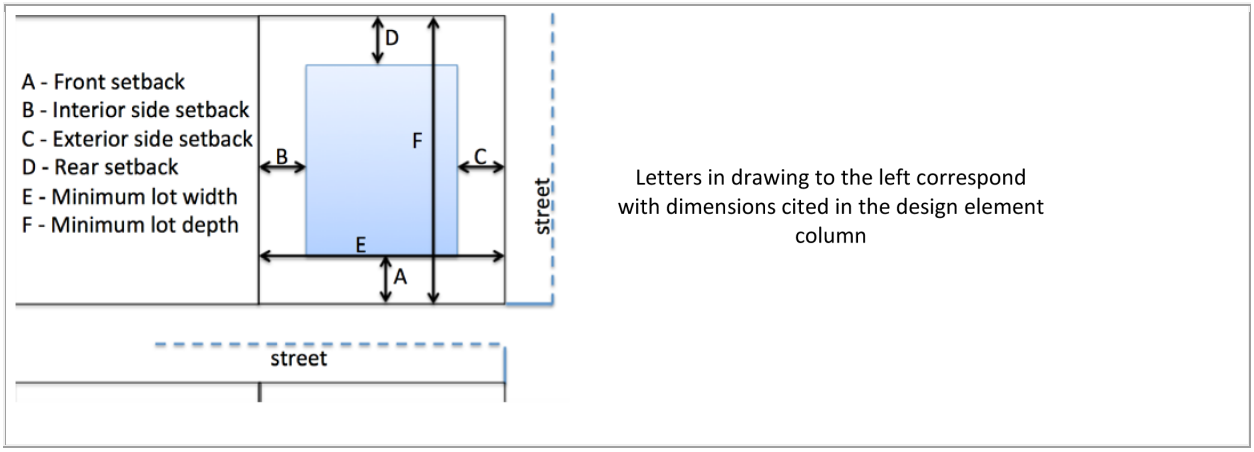
(g) *Lots abutting R-1, R-2 or R-3 districts.* Multi-story buildings on lots that abut lots in an R-1, R-3 or R-3 districts shall not exceed two stories within 100 feet of the property line of said abutting lots. See section 35.2-61.2 for additional height requirements and section 35.2-61.3 for additional setback requirements for lots abutting R-1, R-2 or R-3 districts.

(h) *Mixed use developments permitted by conditional use permit.*

1. Commercial space shall comprise at least 50 percent of the building gross floor area.
2. When a mixed use development in a B-1 District is adjacent to an R-1, R-2 or R-3 district, a fence that is not less than six feet in height shall be established with the required buffer as required by section 35.2-63.10(d).

Exhibit IV-14: Summary of B-1 Development Standards

Design Element	**Standards**	**Section Cross-Reference**
Maximum height	40'	35.2-61.2
Minimum front setback from right-of-way (dimension A)	0'	35.2-61.3
Minimum side setback, interior (dimension B)	0'	35.2-61.3
Minimum side setback, exterior (dimension C)	0'	35.2-61.3
Minimum rear setback (dimension D)	25'	35.2-61.3
Minimum lot width at front property line (dimension E) and front setback line (dimension F)	50'	35.2-61.4
Minimum lot depth (dimension F)	100'	35.2-61.4
Minimum lot area (square feet)	6,000 with 1,000 sq. ft. of lot area per dwelling unit or boarding unit	35.2-61.4



(Ord. No. O-17-013, § 1, 2-14-17; Ord. No. O-20-026, 11-10-20)

Sec. 35.2-58. - Historic Districts.

Sec. 35.2-58.1. - Purpose.

The purposes of the historic districts are to:

(a) Promote the public welfare through the creation of historic districts for the protection and preservation of historic buildings, structures, places, archaeological sites, and areas of historic interest (as a class of structural and environmental types) within the City of Lynchburg;

(b) Promote the development and maintenance of appropriate settings and environment for such buildings, structures, places and areas as provided by Section 15.2-2306 of the Code of Virginia, as amended;

(c) Stabilize and improve property values in the historic districts;

(d) Encourage new buildings and developments that will be architecturally compatible with existing historic landmarks, buildings and structures;

(e) Prevent the encroachment of additions or new buildings and structures that are architecturally incongruous with the environs of the historic districts;

(f) Promote local historic preservation efforts, and encourage the identification and nomination of qualified historic properties and districts to the National Register of Historic Places and the Virginia Landmarks Register; and

(g) Provide an educational resource and to foster a sense of pride in our heritage for succeeding generations, that they may appreciate and understand the history of our culture.

Sec. 35.2-58.2. - Historic Overlay Districts.

(a) City Council of the City of Lynchburg has adopted criteria for determination of landmarks, buildings, or structures to be designated as being historically significant. Any changes to said criteria shall be made by City Council after receiving recommendations from the HPC.

(b) To execute the purposes and objectives of this ordinance, there may be created in the City districts to be known as "Historic Districts" in addition to any existing historic districts. A historic district may be a part or all of a neighborhood, site, structure or a combination thereof. The boundaries of such districts shall be as specified by City Council by ordinance as shown on the Official Zoning Map. The boundaries of such districts shall be shown on maps, which shall be filed and maintained in the City's GIS.

(c) The procedure to be followed in establishing historic districts is specified in section 35.2-11 (Applications Requiring Public Hearings Before City Council) of this Zoning Ordinance. However, due to the unique nature of a historic district designation relative to traditional zoning, consideration of designating an area as a historic district may be exempted by the City from the regulations requiring posting of notices cited in section 35.2-11 with the exception of the public hearing requirements to appear in the local newspaper as specified in section 35.2-10.14 (Notice) of this Zoning Ordinance. The City may waive posting of a sign giving notice of intent to rezone. In the case of historic district consideration, in addition to other requirements, a fee may be required from the petitioner in the amount set forth in the fee schedule adopted by City Council to cover the cost of publishing legal notices for hearings before the HPC, the Planning Commission and the City Council.

(d) A notice that a building may be designated as a "historic district" shall be mailed in accordance with section 35.2-10.14(d)2, which notice shall contain the following information: the location and street address; the reason why the building and/or the district in which it is proposed to be located is deemed to be of historic or architectural interest; a copy of the pertinent portions of this ordinance restricting the altering or razing of said building; the place, time and date of the public hearing of the HPC.

(e) The HPC, the Planning Commission, City Council, or the owner of any landmark, building, or structure in the City of Lynchburg, including those listed on the Virginia Landmarks Register or the National

Register of Historic Places, may make a written request of the HPC for the consideration of recommending the designation of such landmarks, buildings, or structures as a historic district. The HPC shall recommend the requested addition if, after a public hearing, it considers said building to be of historic, architectural, or cultural merit.

(f) The HPC, the Planning Commission, City Council, the owner or owners of any landmark, building or structure located within a historic district may make a written request of the HPC for the consideration of recommending the removal of the historic district designation from such landmark, building, or structure. Procedure for notification of a public hearing to remove a designation as a historic district shall be the same as the procedure to establish such designation.

Sec. 35.2-58.3. - Historic marker.

The HPC shall designate an appropriate marker and may permit each owner of a historic landmark, building or structure to display the marker in an appropriate manner. In addition, the HPC may at its discretion design and display similar markers denoting "historic districts." The costs of making, inscribing, installing and maintaining such markers shall be paid for by the City of Lynchburg. The costs of making, inscribing, installing and maintaining private individual markers shall be paid for by the property owner.

Sec. 35.2-58.4. - Unauthorized display.

It shall be unlawful for any person to display, without the authorization of the HPC, a marker or any imitation thereof as provided for in section 35.2-58.3.

Sec. 35.2-58.5. - Certificate of appropriateness required.

No building or structure, including signs, and including non-contributing buildings and structures and signs, shall be erected, reconstructed, restored, demolished, or altered in any way that affects the external appearance of the building or structure, including such items as roofs, chimneys, fences, and color changes, unless the same is approved as being architecturally compatible with historic landmarks, buildings, or structures therein through the issuance of a certificate of appropriateness, also referred to as a COA, by the Historic Preservation Commission (HPC), the City Planner or by City Council in accordance with section 35.2-13.

Sec. 35.2-58.6. - Conflict with statutes, local ordinances or regulations.

Whenever the decisions made under the authority of the Historic District regulations pursuant to section 35.2-13 et seq. require a greater width or size of setbacks, courts or other open spaces, require a lower height of building or fewer stories, require a greater percentage of lot to be left unoccupied or impose other higher standards than are required in any other statute or local ordinance or regulation, the requirements made pursuant to the Historic District regulations shall govern. Whenever the provisions of any other statute or local ordinance or regulation require a greater width or size of setbacks, courts or other open spaces, require a lower height of building or a less number of stories, require a greater percentage of lot to be left unoccupied or impose other higher standards than are required by the Historic District regulations, the provisions of such statute or local ordinance or regulation shall govern.

Sec. 35.2-58.7. - Assistance of city administration.

The departments, bureaus, divisions, boards, commissions, agencies, and other offices of the City government shall furnish to the HPC such available information and render it appropriate service as may be required for the exercise of the powers and performance of the duties and functions of the HPC. All City departments and agencies responsible for historic public buildings, monuments, districts, and places shall submit a COA application to demolish, move, or alter said structures or places to the HPC for review and recommendation. No certificate of appropriateness is required when the demolition of a structure is ordered by the Building Official pursuant to the provisions of the Uniform Statewide Building Code.

Sec. 35.2-58.8. - Acquisition of historic real property.

The HPC may recommend to City Council that the City acquire in any legal manner any historic area, landmark, building or structure, land pertaining thereto, or any estate or interest therein which, in the opinion of the HPC, should be acquired, preserved and maintained for the use, observation, education, pleasure and welfare of the people.

Sec. 35.2-58.9. - Injunctions.

Wherever any person has engaged in or is about to engage in any act or practice that constitutes or will constitute a violation of this ordinance, the Zoning Administrator may make application to the circuit court for an order enjoining such act or practice, or requiring such person to refrain from such prospective violation, or to remedy such violations by restoring the affected property to its previous condition. Upon proof by the Zoning Administrator that such person has engaged in or is about to engage in any such act or practice, a temporary or permanent injunction, restraining order or other appropriate order shall be granted to the Zoning Administrator.

Sec. 35.2-58.10. - Penalties.

For violations and penalties, see section 35.2-102 of this Zoning Ordinance.

Sec. 35.2-58.11. - Severability.

If any provision of these Historic District Regulations or the application thereof to any person or circumstance is held invalid, the remainder of this ordinance and the application of such provisions to other persons or circumstances shall not be affected thereby.

Excerpts from the City's Comprehensive Plan. Full plan available at https://www.lynchburgva.gov/266/Comprehensive-Plan

- Ensure that the supply of housing for individuals and families with special needs (e.g., elderly and physically or mentally challenged) are met.
- Promote programs that assist eligible individuals in retaining their homes.

NH-1.8 Nurture neighborhood partnerships that facilitate self-sufficiency and enable families and individuals to maintain their housing, remain in their neighborhoods and age in place.

NH-1.9 Ensure that zoning regulations facilitate the creation of a variety of safe, affordable and innovative housing options that serve the community's diverse needs, including the establishment of small lot, attached units and other housing types that achieve densities established in the future land use map.

NH-1.10 Encourage construction of new, sensitively designed housing options that blend into mature neighborhoods.

NH-1.11 Allow for accessory dwellings in single family districts consistent with standards addressing such issues as maximum unit size, adequacy of on-site or on-street parking, entry location and other factors necessary to assure compatibility.

NH-1.12 Continue to coordinate with local colleges and universities to identify and address student housing needs within appropriate locations.

Goal NH-2: **Neighborhood Character**. Promote well-designed mixed-use residential neighborhoods that incorporate a variety of housing types and densities with pedestrian-oriented streets, small-scale neighborhood oriented services and parks to where residents are able to live, work and play close to home.

NH-2.1 Connect neighborhoods through street, sidewalk and trail improvements.

NH-2.2 Enhance neighborhood access to work, shopping, parks, schools and public services through better sidewalk, street, transit, trail and bikeway connections.

History, Culture, Arts and Education Policies

Goal HCA-1: **Historic Preservation.** Preserve/conserve significant historic and cultural resources through the collaborative efforts of the City; historic and cultural groups; local schools and colleges; and other local, state, and federal preservation groups and organizations.

HCA-1.1 Establish and maintain an easily accessible inventory of historic sites and structures in coordination with local individuals and organizations.

HCA-1.2 Develop appropriate standards and guidelines for the review and treatment of historic sites and structures within or outside of designated historic districts.

HCA-1.3 Identify the range of financial and other incentives available for preservation of historic sites and structures. Make this information readily available to the property owners, developers and the local real estate industry.

HCA-1.4 Support efforts to increase:

- The programs available to property owners in historic districts to aid in preservation efforts.
- Access to and awareness of local historical and cultural resources, as well as the value and benefits of resource preservation.
- Public information on the restoration, rehabilitation, preservation and maintenance of historic resources.

HCA-1.5 Identify and eliminate unnecessary disincentives for the maintenance or restoration of historic sites and properties and modify standards and procedures to facilitate:

- Demolition, where appropriate;
- Compatible land uses;
- Property maintenance; and
- Development that is sensitive to historic resources in historic districts.

HCA-1.6 Ensure that City-owned historic structures and sites are identified and preserved by using design elements (e.g., lighting, walls, paving material and curbstones) that are applicable to historic features.

Goal HCA-2: **Arts and Culture**. Celebrate the rich cultural heritage of the area and promote the City and region as a destination for culture, arts, recreation, and history.

HCA-2.1 Improve access to and connections between important heritage sites, cultural resources, natural areas and tourist-oriented destinations. Help visitors find these resources through improved wayfinding signage, guidebooks and on-line information.

HCA-2.2 Establish a public arts policy that encourages the provision of public art in public and private locations.

HCA-2.3 Promote places to celebrate the arts through efforts such as the Academy Theater restoration.

Goal HCA-3: **Education**. Continually improve the quality and availability of educational opportunities for all ages.

HCA-3.1 Support the growth of educational institutions as they work with the community to develop compatible facilities and transitions, especially in and around the residential neighborhoods.

HCA-3.2 Connect educational institutions to commercial areas and neighborhoods through a variety of transportation options.

HCA-3.3 Promote diverse learning opportunities through community centers, libraries and other facilities that develop a citizenry and workforce who embrace technology and have life-long learning opportunities.

Goal HCA-4: Community Engagement. Engage the community, build social capital and encourage citizen leadership.

HCA-4.1 Provide accessible, transparent access to information concerning land use issues to all citizens.

HCA-4.2 Collaboratively improve the health and quality of life in built and natural areas of the City by listening to concerns, gaining historic context and understanding community values.

Natural Systems

Goal NS-1: Preservation/Enhancement. Preserve or enhance natural systems for use and enjoyment of future generations, as well as their environmental benefits.

NS-1.1 Encourage regional coordination in managing natural systems.

NS-1.2 Improve and maintain the health of the City's watersheds through development and implementation of a comprehensive water quality master plan.

NS-1.3 Provide incentives (e.g. stormwater credit program, etc.) for the private preservation of environmental resources, including, but not limited to:

- Preservation of significant wooded open space;
- Dedication of greenway, trail and open space easements;
- Preservation of unique or critical habitats;
- Protection of floodplains and riparian buffers;
- Implementation of "Green" building and site design practices; and
- Environmental remediation or retrofits.

NS-1.4 Promote responsible management and development of lands adjacent to important natural resources that provide a pleasant, healthy and safe environment for human activities by:

- Minimizing fill or development within 100-year floodplains and wetlands, except as required for water resources management and passive recreational projects;

Chapter 9: History, Culture, Arts & Education

Chapter Overview

History, culture, the arts and education exert an important influence on Lynchburg's quality of life. The City's image and unique sense of place, as well as its attractiveness to visitors and newcomers, are inextricably tied to the condition of its historic resources, the vitality of its arts and cultural institutions, and the quality and diversity of educational opportunities. These assets can help attract and retain businesses that seek cities with a high quality of life.

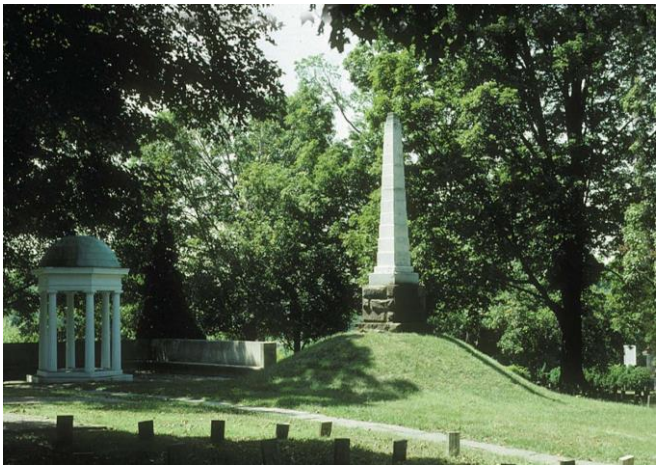
The City should identify and conserve its sensitive historic and cultural resources, expand local preservation incentives and educational programs, and require the sensitive treatment of public spaces and facilities in historic areas. The City also should engage in active promotion of heritage tourism and the expansion of efforts to strengthen local networks of arts, cultural, and educational organizations.

History & Culture

Preservation Threats & Challenges

Lynchburg is fortunate to have a significant collection of historic sites, buildings, and neighborhoods—from the Downtown and the City's early residential districts to special sites like the Old City Cemetery, Point of Honor, and the Anne Spencer House—as well as areas recognized for their special architectural and urban character. These places provide a strong foundation for future planning, offering tangible symbols of the City's colorful past and enduring models for the creation of new buildings, neighborhoods, and commercial areas.

Old City Cemetery



As one of the Commonwealth's older independent cities, Lynchburg is home to an impressive number of pre-World War II residential and commercial structures (see Exhibit 9-1). According to tax assessment data, nearly half of the City's houses are at least 50 years old, and 1,742 were built in 1900 or earlier. Downtown and surrounding historic neighborhoods contain the highest percentages of houses in the City constructed prior to 1850 (81% of the City's total), between 1851 and 1900 (75% of the City's total), and between 1901 and 1925 (40% of the City's total).

Exhibit 9-1: Age of Housing

Year of Construction	Number of Houses	Percent of Total
1850 and prior	104	0.4%
1851 to 1900	1,638	6.5%
1901 to 1925	3,472	13.8%
1926 to 1950	5,533	22.0%
1951 to 1975	9,163	36.4%
1976 to 2000	2,851	11.3%
2000-2010	2,431	9.6%
Total	**25,192**	**100%**

Source: American Community Survey

The presence of older neighborhoods and the commercial areas that grew up to serve them presents both opportunities and challenges, especially for a city experiencing growth pressures at its edges, but not closer in. Some of the most pressing issues include:

- Uneven maintenance and upkeep of properties with pockets of significant deterioration;
- A generally weak market for investment in older areas of the City that are not historically designated;
- The absence of mechanisms in areas outside of historic districts to ensure sensitive renovations, infill development, and public improvements;
- Inappropriate zoning and inflexible building code provisions, some of which may serve as barriers to preservation; and
- Limited knowledge of existing preservation assistance programs.

Since the completion of the first major survey of historic resources and the adoption of the Historic District Ordinance in 1978, City regulation has played a central role in supporting the preservation of locally significant historic sites and districts. The Historic District Ordinance provided for the designation of sites and districts, the creation of a review board, the development of design guidelines, and the establishment of review procedures. Revisions to the Ordinance were adopted by City Council in July 2001.

Under the ordinance, individually designated properties and those located within historic districts are protected from inappropriate or insensitive alteration. The Ordinance requires the issuance of a certificate of appropriateness either

administratively or by the Historic Preservation Commission before a building can be erected, reconstructed, restored, demolished, or altered in any way that affects its external appearance.

Currently, there are seven locally designated historic districts and fifteen individually designated historic properties in Lynchburg. The historic districts— Court House Hill, Daniel's Hill, Diamond Hill, Garland Hill, Federal Hill, Pierce Street Renaissance,and Rivermont—contain approximately 750 of the City's most significant historic buildings. Individual sites include the Academy of Music Theater, the Anne Spencer House, and the Old City Cemetery (see Exhibits 9-2 and 9-3). With few exceptions, these districts and properties are listed on the Virginia Landmarks Register and the U.S. Department of the Interior's National Register of Historic Places.

Several areas have been identified as eligible for local historic district designation, including the Downtown, the Lower Basin, and the Diamond Hill South and College Hill neighborhoods, among others.

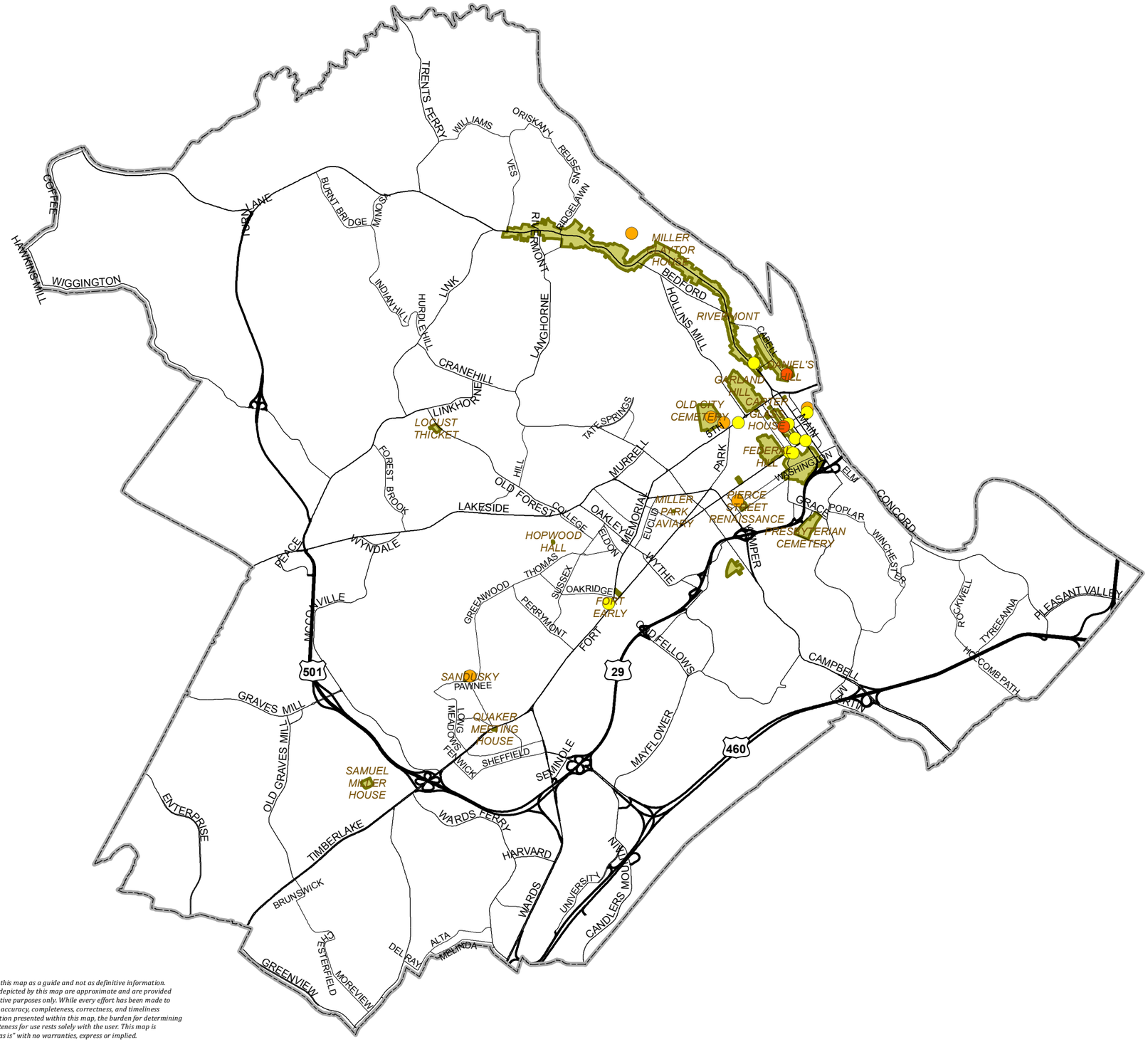
Garland Hill Historic District

Exhibit 9-2: Historic Sites

Individual Properties	Address	National Register of Historic Places	Virginia Landmarks Register	Local Register of Historic Places
Academy of Music	522-526 Main Street	06/11/69	11/05/68	02/14/78
Allied Arts Building	725 Church Street	12/19/85	04/16/85	
Anne Spencer House	1313 Pierce Street	12/06/76	09/21/76	02/14/78
Bragassa Toy Store	323-325 12th Street	01/11/91	08/22/90	
Carter Glass House	605 Clay Street	12/08/76	02/15/77	02/14/78
College Hill Baptist Church	1101 Floyd Street			05/08/84
Court Street Baptist Church	523 Court Street	07/08/82	06/16/81	09/08/81
First Baptist Church		09/09/82	04/21/81	09/08/81
Fort Early	3511 Memorial Avenue			08/11/98
Hopwood Hall, Lynchburg College Campus	Lakeside Drive			09/09/80
Jones Memorial Library	434 Rivermont Avenue	10/30/80	07/31/80	
Kentucky Hotel	900 Fifth Street	12/11/86	06/17/86	
Locust Grove	US 501 South Side	12/17/92	10/92	
Main Hall, Randolph College	2500 Rivermont Avenue	06/19/79	02/26/79	
Miller-Claytor House Treasure Island Road	Miller-Claytor Lane	05/06/76	10/21/75	04/11/78
Miller Park Aviary	402 Grove Street	07/30/80	04/15/80	05/22/79
Montview (Carter Glass Estate)	Liberty University Campus			
Old City Cemetery	Taylor & Fourth Street	04/02/73	09/19/72	
Old Court House	901 Court Street	05/19/72	04/18/72	02/14/78
Point of Honor	112 Cabell Street	02/26/70	12/02/69	02/14/78
Rosedale	Old Graves Mill Road	07/07/83	10/82	
Saint Paul's Vestry House	308 7th Street	02/21/97		
Sandusky House	757 Sandusky Drive	07/26/82	02/16/82	
South River Meeting House (Quaker Meeting House)	5810 Fort Avenue	08/28/75	05/20/75	04/11/78
St. Paul's Episcopal Church	605 Clay Street	09/09/82	04/21/81	09/08/81
Samuel Miller House	1433 Nelson Drive	11/12/92	1992	07/14/92
VA Episcopal School	400 VA Episcopal School Rd.	10/28/92	1992	
Warwick House	720 Court Street	12/06/96		
Western Hotel (Joseph Nichol's Tavern (NRHP)	501 Madison Street	07/22/74	06/18/74	02/14/78
J.W. Wood Building	23-27 Ninth Street	02/17/83	05/18/82	

Exhibit 9-3
Historic Sites

September 2013



Street Centerline

- Highway
- Major Arterial
- Minor Arterial
- Collector
- Historical Site
- Museum - Private
- Museum - Public
- Local Historic Districts

Please use this map as a guide and not as definitive information. The areas depicted by this map are approximate and are provided for illustrative purposes only. While every effort has been made to ensure the accuracy, completeness, correctness, and timeliness of information presented within this map, the burden for determining appropriateness for use rests solely with the user. This map is provided "as is" with no warranties, express or implied.

Prepared by:
Department of Community Development
Planning Works

City of Lynchburg
COMPREHENSIVE PLAN
Planning for the Future 2013-2030

Design Advisory Districts

In addition to locally designated historic districts and sites, the City has established Historic District Advisory Areas along Church, Main, Commerce, Jefferson, Fifth, Cabell and Court Streets in the Downtown. All proposals to erect, reconstruct, restore, demolish, or alter the external appearance of a building within the Advisory Area are reviewed by the Design Review Board for compliance with guidelines published in the report *Commercial Historic District Guidelines: Lynchburg, Virginia*. Upon completion of their review, the Board prepares an advisory finding of conformity or non-conformity with the guidelines. Applicants are required to submit plans for review—building or demolition permits may not be issued until the Board issues its recommendations—but compliance with the Board's recommendations while strongly encouraged is not required.

Questions have been raised about the utility of an "advisory only" process for the Downtown, arguably the most visible of the City's areas of distinctive character. Although some applicants follow the Board's recommendations, several projects have not.

City staff should assess compliance with the recommendations of the Design Review Board for the Historic District Advisory Areas. Working with the Design Review Board and Downtown stakeholders, staff should develop measures of effectiveness, evaluate conformance with recommendations, and offer recommendations for appropriate changes to the program.

Aviary in Miller Park

Historic Preservation Incentives, Advocacy & Education

In partnership with local and regional preservation, tourism development, and community improvement organizations, the City actively promotes preservation and resource conservation and educates the community about existing assistance and incentive programs and initiatives. A recent collaboration between the City of Lynchburg

Department of Community Development, the Lynchburg Historical Foundation, Inc., and the Diamond Hill Historical Society, Inc. resulted in the publication of the report, *Incentives and Assistance for Real Estate Rehabilitation*, a thorough resource for owners and developers of older properties.

Expanding the pool of incentives and increasing awareness of the benefits of preservation can help build community support for further work and the development of new partnerships. For example, local lending institutions may be willing to develop products tailored to support the purchase and rehabilitation of historic structures or a small-scale loan program targeted to low- and moderate-income homeowners in historic areas that may provide the means for modest renovations and repairs.

The City should expand its ongoing efforts to raise awareness of preservation-related regulations and financial incentives. Such a program, involving workshops, brochures, web-based outreach, and other efforts, should help developers, realtors, homeowners, and potential property owners better understand the benefits of preservation and the resources available to support it.

Building Codes & Zoning Standards Affecting Historic Preservation

The City is currently enforcing the 2009 Uniform Statewide Building Code (USBC) and it's referenced standards, as adopted on March 1, 2011. These referenced standards include the 2009 International Existing Building Code, which provides building officials with a high degree of flexibility in handling renovations and alterations to existing buildings. The Zoning Ordinance should also provide a degree of flexibility regarding the requirements for older structures. The City anticipates adoption of the 2012 USBC in the Spring of 2014.

In addition, Chapter 10, Neighborhoods & Housing, includes recommendations for the creation of a new Traditional Residential Overlay district that recognizes the unique physical character of the City's older residential areas and promotes sensitive infill development.

Historic City-Owned Properties

The City should also develop and follow design guidelines for City-owned property and public facilities located in and around the City's Historic Districts and potential conservation areas. Citizens who participated in development of the Plan goals felt strongly that the City should set a good example by preserving and protecting City-owned buildings and properties.

Heritage tourism is a central element in the region's economic development efforts. According to research conducted by the tourism industry, the typical heritage tourist shops more, spends more, stays in hotels more often, travels longer, and visits more destinations than typical travelers. These tourists are often referred to as "high-yield" tourists; fewer tourists spending more money and providing a high economic return. Communities that have preserved their historic buildings and rural landscapes—which

tell compelling stories about their history and culture and provide opportunities for "outsiders" to experience the uniqueness of a region—are particularly successful at attracting heritage tourists, often for repeat visits.

The City is a logical destination for the heritage tourist. Central Virginia is home to an impressive array of important historic, cultural, natural, and recreational resources. Lynchburg's location on the James, its wealth of local resources and special events, and its proximity to nationally significant historic sites, such as the National D-Day Memorial, Appomattox Courthouse National Historical Park, Thomas Jefferson's Poplar Forest, Patrick Henry's Red Hill, and the Booker T. Washington National Monument, make it an especially attractive place from which to experience the region's special places.

Legacy Museum

An expanded emphasis on heritage tourism efforts offers genuine opportunities for both the cultural and tourism industries to work together and, over time, to build business, stimulate economic growth, showcase resources, and encourage visitors to explore the City and the region.

Several projects provide excellent models of collaborative action:

- Venues like the Legacy Museum of African American History will deepen appreciation for local history and heritage;
- The Region 2000 Commission's wayfinding study, along with recommendations in the Downtown & Riverfront Master Plan 2000, lay the groundwork for a new system of signs guiding locals and visitors to important destinations; and
- The Lynchburg Regional Convention and Visitors Bureau's new publications provide excellent introductory information on the City's historic districts and the region's African-American Heritage.

A collaborative approach is required to expand understanding of the City's history and heritage and to increase local and regional appreciation of the important role culture

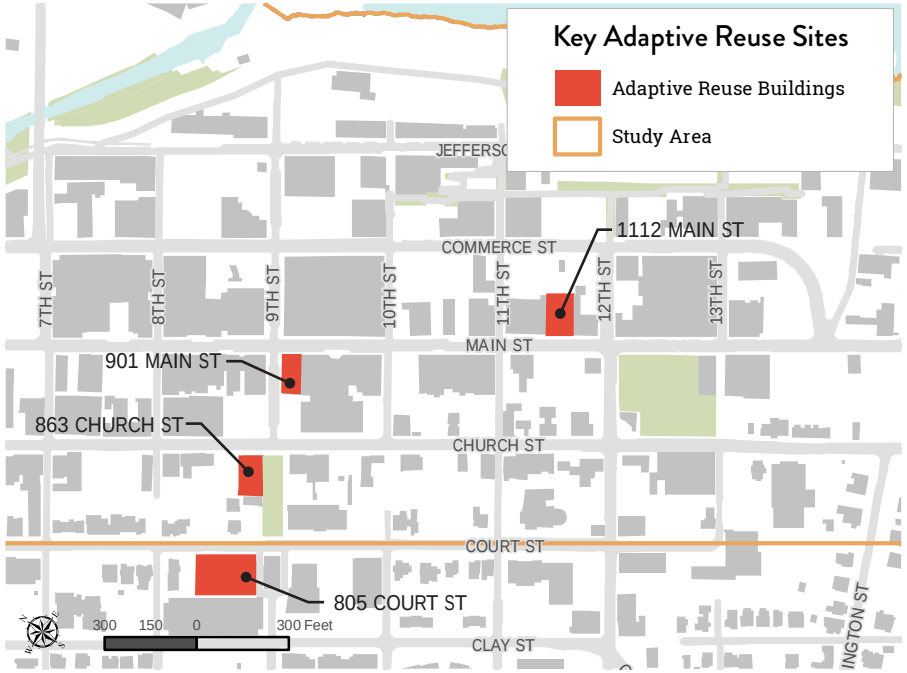
Excerpt from Downtown 2040 Master Plan. Full plan available at https://www.lynchburgva.gov/275/Downtown-2040-Master-Plan

3.2 ADAPTIVE REUSE OF VACANT HISTORIC BUILDINGS

Vacant historic buildings that can no longer serve their original functions provide challenges as well as opportunities for Downtown Lynchburg. Four large buildings in particular, three of which were vacant at the time of this study, greatly contribute to the architectural character of Downtown with their significant historic functions, high-style designs and prominent locations. The adaptive reuse of these buildings is critical to preserving the City's rich architectural heritage and the vitality of Downtown. The historic configuration and size of these structures require a creative approach to identifying an appropriate new function. A strategic approach to their adaptive use also presents opportunities for targeted residential and commercial development geared towards emerging market segments in Downtown Lynchburg. These key market segments are identified in Chapter 9, Economic and Market Assessment, and further described in the market analysis report section of the Appendix.

The concepts described in this section present potential strategies to put four of Downtown's architectural assets back to good use. Uses other than those proposed here may also be viable and should be encouraged as long as the buildings receive a sensitive rehabilitation and become actively used. The vacant properties listed below are contributing resources in the Courthouse Hill/ Downtown Historic District and eligible to utilize state and federal historic rehabilitation tax credits to assist in their redevelopment.

- City Auditorium and Market Building – 1112 Main Street
- First National Bank – 901 Main Street
- Carter Glass Building – 863 Church Street
- First Presbyterian Church – 805 Court Street



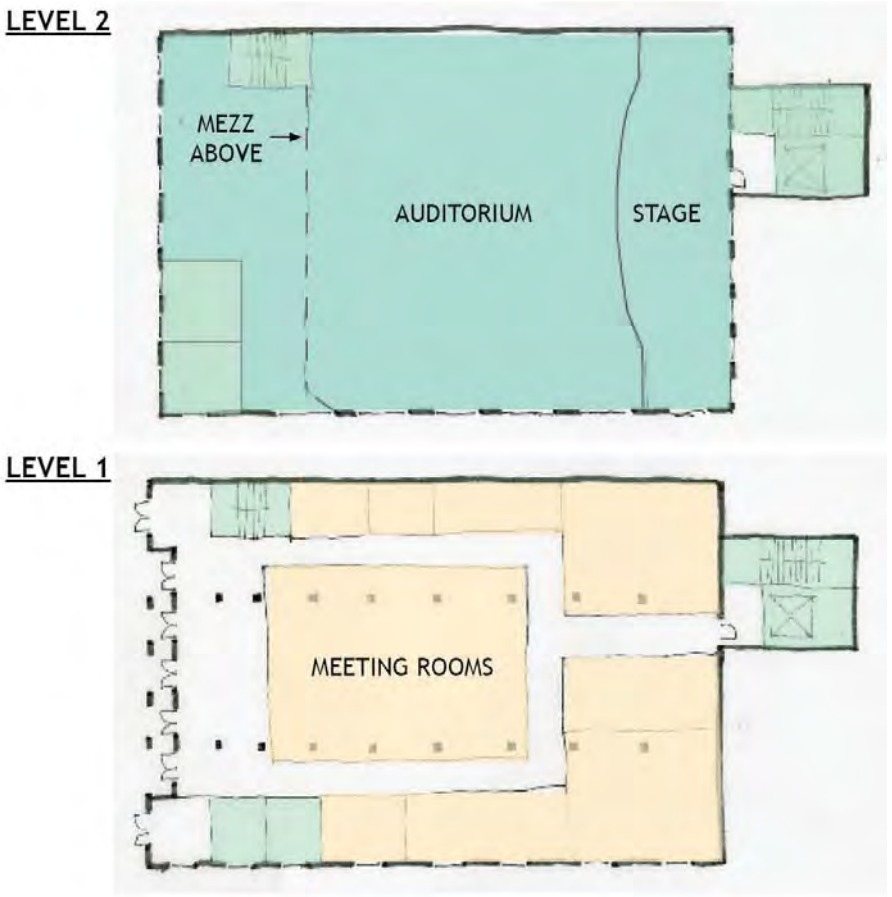
Vacant and/or Underutilized Historic Buildings Present Challenges and Opportunities for Downtown Lynchburg

CITY AUDITORIUM AND MARKET, 1112 MAIN STREET

Located at 1112 Main Street, the 1910 City Auditorium and Market Building occupies the site of the original 1874 Market Building. This large, three-story, seven-bay public building housed the city market on the ground level and a 2,000-seat auditorium on the second level in addition to a bowling alley and offices. Designed by Frye and Chesterman in the Beaux-Arts tradition, the building features many elements from the Italian Palazzo Revival style, including an arcaded ground floor surmounted by a piano nobile, bands of arched windows, decorative insets of tile and marble, and a terra-cotta tiled roof. The building served its public function until 1932 when the new Armory and Market Building was constructed nearby.

This building, which occupies a prime Downtown location, is already prepared for adaptive reuse. The interior demolition of non-historic additions to the building by a subsequent owner will expedite the construction of the interior build-out. The building is ready for the sensitive addition of walls, finishes, systems and components to revitalize the facility. As local colleges and universities have expressed a strong interest in having a Downtown presence, this plan recommends the adaptive reuse of the former City Auditorium and Market Building as a multi-institutional conference center. The upper level, which originally functioned as an auditorium with a mezzanine and rich architectural detailing, retains its large, open space to accommodate large meetings, conferences or lectures. The original market area on the ground level provides flexible space that can be subdivided into breakout rooms, meeting rooms or classrooms. This proposed new use takes advantage of the building's original design as a public facility and rich architecture to create a strong Downtown presence for local colleges and universities.

Exterior view of the City Auditorium and Market Building at 1112 Main Street



City Auditorium and Market Building Adaptive Reuse Concept for Multi-Institutional Conference Center

FIRST NATIONAL BANK, 901 MAIN STREET

Constructed in 1916 at the prominent corner of Main and Ninth Streets, the First National Bank stands as a testament to the power of banking in the early 20th century. This Neoclassical building was designed by the British architect Alfred S. Bossom during his years of practice in New York. Bossom's design, with its two primary elevations and classical detailing, exemplifies the Beaux Arts tradition by taking advantage of its prominent corner location on axis with Monument Terrace. The original plan, focused on the grand banking lobby, failed to provide sufficient office space for the growing administrative needs of the banking industry. By 1948, the bank constructed a small office wing with the later addition of a second floor to the main banking lobby in the 1960s. By the 1970s, the bank moved to a new building and 901 Main Street ceased to function as a bank.

The Neoclassical design of the building's exterior remains intact and continues to have a strong presence at the center of Downtown. However, interior alterations currently obscure the grand banking lobby with its glazed ceiling dome and classical detailing. The removal of two non-historic office floors and modifications will restore the grand open space and architectural detailing that characterize this significant building. In this restored condition, the building will not only be one of the most notable buildings in Lynchburg, but in all of Virginia. While spaces of this size are sometimes difficult to adaptively reuse, other cities have renovated similar bank structures and used them in creative ways. Below are two recommended adaptive reuse functions:

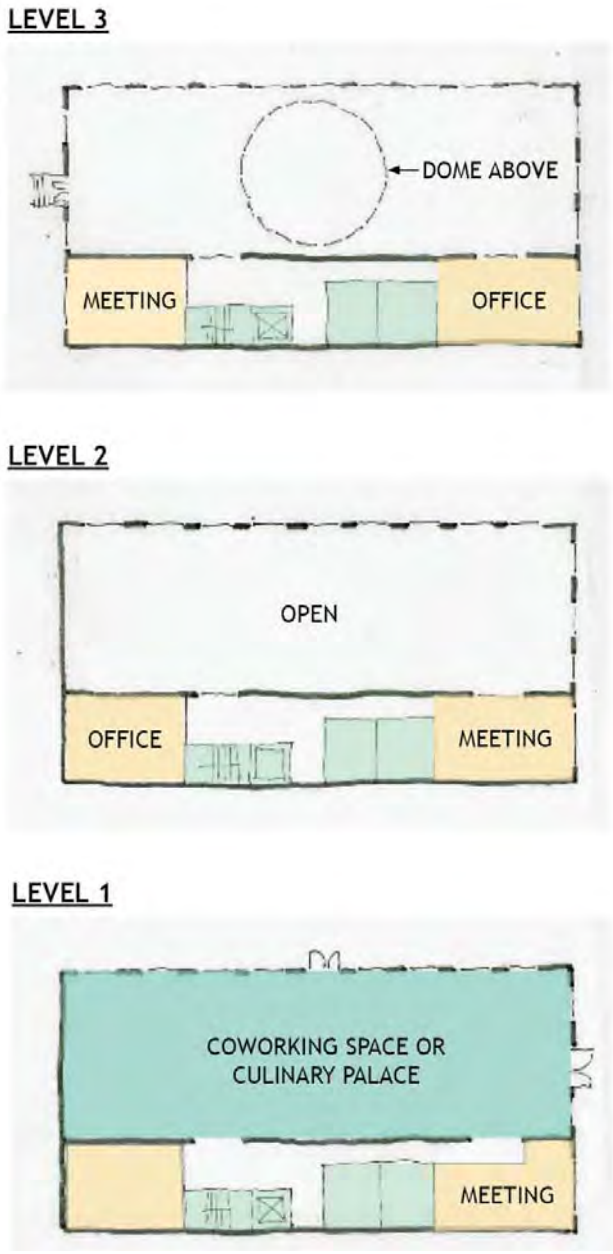
- **Cooperative Work Space** - The building can be a location for a membership-based, open workspace. Entrepreneurs, small business employees and telecommuters can rent a small space within a large shared workplace. Therefore, a new business can benefit from a prestigious address without much of a financial investment while also benefiting from the synergy created by other entrepreneurs.
- **Culinary Palace** – This space could serve as a place for people to visit and experience various tiers of the culinary and beverage world. The building can host a variety of restaurants, chefs and bars at a range of types and styles.

Any combination of these uses is feasible. The main space is quite flexible as to what it can accommodate while retaining its architectural character.

901 Main Street - Exterior View

First National Bank - Architectural Detail

First National Bank - sketch



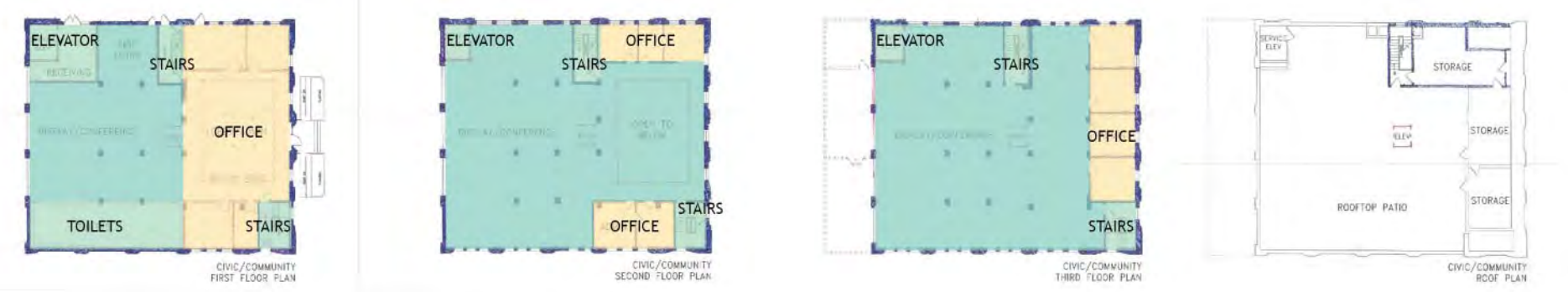
First National Bank - Proposed Concepts

CARTER GLASS BUILDING, 863 CHURCH STREET

The Carter Glass family, publishers of the *Lynchburg News and Daily Advance*, constructed the office building at 863 Church Street in 1931 to serve as headquarters for the two daily newspapers. Situated at the base of Monument Terrace and near the U.S. Post Office and City Hall, this building stands at the civic core of Downtown. Designed by Roanoke architect Robert M. Allen in the Art Deco style, the four-story building emphasizes its verticality through the use of incised and fluted pilasters and recessed window bays with connecting cast-iron grillwork. Projecting pilasters, capped by panels with a bas-relief allegorical figure holding the lamp of learning, frame the central entrance bay with its clock. After the newspaper moved out of the building in the 1970s, the building stood vacant for a number of years before the ground floor became a post office and the upper floors provided additional office space for the nearby municipal building.

CJMW Architecture completed a feasibility study for this building in 2012 at the request of The City of Lynchburg. The study thoroughly reviews the building in terms of its historic significance and interior layout. The study proposes three options for adaptive reuse: civic/community, business/restaurant and business/residential. All three options restore the historic lobby to its original design. Also, this building could serve as the multi-college Conference Center. The information from the CJMW study with the primary functions highlighted is included.

863 Church Street - Exterior View



Carter Glass Redevelopment Option 1 - Civic / Community Space

Carter Glass Redevelopment Option 2 - Mixed-Use: Business & Residential

Carter Glass Redevelopment Option 3 - Mixed-Use: Business & Restaurant
Source: CJMW Feasibility Study

FIRST PRESBYTERIAN CHURCH, 805 COURT STREET

Edward Frye's design for First Presbyterian Church is typical of his ecclesiastical work of the late 19th century and is considered one of his most impressive church designs. Completed in 1900 on Court Street at the top of Monument Terrace, the Romanesque Revival–style church features a richly articulated corner tower that rises twice the height of the sanctuary to dominate the facade. A shorter, round, crenellated tower on the opposite corner frames the three-bay portico with Romanesque arches and the gable front with a large, central, rose window. After 1952, the First United Methodist Church occupied the building followed by Higher Heights Church. Most recently, the Lynchburg City Police Department used the building for a training facility. The structure itself appears to be very solid. While at times it can be difficult to find uses for a former church, ideas for adaptive reuse include a museum, an art gallery, a center for cultural and other non-profit organizations, a learning center or a conference center. Furthermore, other developers have creatively converted historic churches into restaurants or performance venues.

First Presbyterian Church

3.3 PRESERVING LYNCHBURG'S ARCHITECTURAL CHARACTER

With the Virginia Historic Rehabilitation Tax Credit worth 25% of eligible expenditures and the Federal Historic Rehabilitation Tax Credit worth 20%, the programs have been responsible for much of the revitalization of Downtown Lynchburg. To date, more than ninety buildings in Lynchburg have been rehabilitated using the state and federal historic tax credits. These rehabilitation projects, which require review by the Virginia Department of Historic Resources and the National Park Service for adherence to the *Secretary of the Interior's Standards for the Rehabilitation of Historic Buildings*, represent more than $200 million in investment. Participation in the state and federal historic tax credit programs, however, is voluntary and building owners are not required to follow *the Secretary of the Interior's Standards* if they are not pursuing the tax credits. Furthermore, once a tax-credit project is completed and the five-year recapture period has expired, there is no long-term protection of the historic building as no further review of subsequent work is required.

No local protection currently exists to regulate the treatment of historic buildings in Downtown Lynchburg. While the City has adopted a local historic district ordinance as part of its Zoning Code that regulates exterior alterations and demolition (Lynchburg Code Section 35.1-44.1), Downtown is not included in the overlay zoning district. In comparison, other surrounding historic neighborhoods listed on the National Register of Historic Places are included in the local historic zoning district. In 2007, City Council adopted the Lynchburg Commercial Historic Districts Design Review Guidelines to provide non-binding, minimal standards for external work in commercial historic areas. Until recently, proposed work in the Downtown district was reviewed during the building permit process by a Design Review Board which applied the Guidelines to development work. However, due to the inability of enforcing the guidelines, City Council recently discontinued this advisory review process. As a result, there is now no review mechanism for exterior alterations, demolition or new construction within the Downtown unless a project pursues historic tax credits. In addition, once the credit oversight period ends after five years, additional improvements to a historic building have no architectural review.

During public engagement, City residents acknowledged that the historic architectural character of Lynchburg was a unique asset and they expressed a desire to preserve the historic buildings in Downtown. To ensure the long-term protection and preservation of the historic architectural character, there must be enforceable, regulatory review of the treatment of historic buildings, sites and structures. Thus, this plan recommends the Downtown area, including the Lower Basin National Register Historic District and the Courthouse Hill/Downtown National Register Historic District, be included in the local historic overlay zoning district. The application of this local historic district will necessitate the review and approval of future exterior alterations and demolition in the district by requiring a Certificate of Appropriateness issued by the City's Historic Preservation Commission in compliance with the district regulations and adopted design review guidelines.

Imperial Tobacco Lofts

Factory 88

Midpoint Apartments

Gish Flats

Examples of Historic Tax Credit Projects in Downtown Lynchburg

3.4 HISTORIC AND ARCHITECTURAL RESOURCES: GOALS

- Preserve and enhance the architectural and historic integrity of Downtown.
- Increase awareness of Lynchburg's historic and architectural assets as a tool for economic development.
- Encourage the adaptive reuse of vacant historic buildings.

3.5 HISTORIC AND ARCHITECTURAL RESOURCES: RECOMMENDATIONS

Citizens responding to the Downtown 2040 survey identified the architectural and historic character of Downtown Lynchburg as one of the most important character-defining features of Downtown. Regulatory review of the treatment of historic buildings, sites and structures is essential for the long-term protection and preservation of the historic architectural character of Downtown Lynchburg. Protecting the historic architecture and Downtown environs are fundamental to the character and success of the Central Business District.

Formal, local architectural review should be required for development located in the Downtown National Register Historic Districts (Lower Basin Historic District and the Courthouse Hill / Downtown District, and Court House Hill Expansion District) as authorized by the Commonwealth of Virginia (Code of Virginia - Title 15.2, Chapter 22: Section 15.2-2306). The districts deserve binding, official review of alterations, new development, and demolitions using an established board, a regulated review process, a Certificate of Appropriateness, and adopted design review standards.

HISTORIC AND ARCHITECTURAL RESOURCES

SHORT-TERM STRATEGIES	MID-TERM STRATEGIES	LONG-TERM STRATEGIES
ADAPTIVE REUSE		
• **City Auditorium and Market Building** Meet with representatives from local colleges and universities to confirm interest on a potential adaptive reuse project to transform the building into a Multi-Institution Conference Center.	• **City Auditorium and Market Building** Conduct a feasibility study for the adaptive reuse of the building into a Multi-Institution Conference Center.	• **City Auditorium and Market Building** Encourage and support renovations for the Multi-Institution Conference Center.
• **First National Bank-** Work with private developer to remove inappropriate, non-historic modifications to promote the buildings potential for reuse.		
• **Carter Glass Building -** Actively market a rehabilitation plan for the designs prepared by CJMW to targeted use groups and/or developers.		

Timing of these strategies will vary. Implementation depends on the availability staff and funding as well as the changing environment Downtown.

HISTORIC AND ARCHITECTURAL RESOURCES

SHORT-TERM STRATEGIES	MID-TERM STRATEGIES	LONG-TERM STRATEGIES
HISTORIC PRESERVATION		
• Conduct public meeting or workshop with property owners and tenants in Downtown Commercial Districts to explore the designation of these districts as historic overlay zones.	• **Historic District -** Amend the zoning code to include Downtown as a designated Historic District.	• **Corridor Overlay District -** Amend the zoning code to provide for a Corridor Overlay District that regulates the architectural aesthetic qualities of new development along gateway entrance corridors into Downtown. Apply district to major Downtown portals, such as portions of 12th Street, Concord Turnpike, Main Street, and 5th Street.
• Publish case studies of exemplary revitalization projects in Downtown.	• **Historic District Design Guidelines-** Update and amend the Downtown Commercial District Design Review Guidelines to provide more flexibility for infill buildings.	• **Corridor Overlay District Design Guidelines -** Develop and adopt design guidelines for the Corridor Overlay District that define site development and architectural standards for building alterations, new buildings, and demolition.
• Encourage development of a network of trained craftsmen with traditional building materials and practices through a local certification and referral process.	• Provide grants to local building tradesmen for training in the proper treatment of historic building materials.	• Work with local institutions to develop low-interest loans and other financial tools to encourage investment in Downtown.
• Expand tours of renovated Downtown office and residential spaces.	• Encourage partnerships to develop a historic plaque program that identifies historic buildings, including information on the original design, construction date, owner, and function.	• Develop a maintenance manual for historic buildings.

Timing of these strategies will vary. Implementation depends on the availability staff and funding as well as the changing environment Downtown.

114 Edinburgh S. Drive, Ste. 200 T 919.827.0864
Cary, NC 27511 TRCcompanies.com

May 28, 2024

Marjette Upshur, Director
City of Lynchburg EDA
900 Church Street
Lynchburg, Virginia 24504
marjette.upshur@lynchburgva.gov
434.444.3878

RE: **Facility Condition Assessment Abbreviated Report**
TRC Project Number 519073
West Building
805 Court Street
Lynchburg, Virgina 24504

Draper Aden Associates, LLC a TRC Company (TRC) is pleased to submit the following abbreviated report regarding Facility Condition Assessment (FCA) services performed at the subject property referenced above. The City of Lynchburg Economic Development Authority (EDA) is referred to in this report as Client. This report was prepared in accordance with a United States Environmental Protection Agency (USEPA) Brownfields Assessment Grant #BF-95301301.

The purpose of this report is to provide an update to the prior studies conducted for the subject property. TRC has reviewed the reports published by Moseley Architects (April 11, 2017) and Nolen Frisa Associates (September 9, 2008). This report will focus on the most recent work by Moseley Architects and will provide consolidated cost recommendations based on TRC's opinion of current costs for the various recommendations.

It should be noted that the scope of work for the previous reports was limited to the original church sanctuary and fellowship hall portion (referred to herein as the "Subject Building") and excluded the 1940s educational wing currently occupied by the City of Lynchburg Polic Department (referred to herein as the "1941 Addition"). TRC's site observations included a walk-through of the entire building, including the 1941 Addition. Cost recommendations provided by TRC are intended to focus primarily on the Subject Building. However, some discussion and photographs of the 1941 Addition are included, in keeping with the previous report.

Project Overview

The subject property is located at the south corner of the intersection of 8th Street and Court Street within the city limits of Lynchburg, Campbell County, Virginia. The overall facility is divided into three main portions: 1.) a former church sanctuary and fellowship hall referred to herein as the "Subject Building" located at the southeastern portion of the property directly west of the Lynchburg Museum; 2.) an addition constructed in 1941 that is currently occupied by the City of Lynchburg Police Department and located at the northwest portion of the property referred to herein as the "1941 Addition"; and 3.) a connecting structure with an attached office area used as a training room by the police department referred to herein as the "Central Connector".

The 2-story Subject Building reportedly totals 12,560 square feet including subgrade level. The attached West Building Main Entry Hall and Lynchburg Police Department portions of the building are not included in this project. Extents of the subject property included in this project are indicated in *Exhibit 1: Overall Aerial Plan*, attached to this report.

The Client's purpose for having the FCA performed was to verify the current general physical condition of the Subject Building and to provide updated cost recommendations. The Client also requested a detailed assessment for the subject building structural systems. A stand-alone structural report produced by TRC is available under separate cover.

TRC received a previous *West Building Condition Survey and Adaptive Re-Use Evaluation Report* produced by Nolen Frisa Associates and others dated September 9, 2008 plus a previous *West Building Stabilization and Repurposing Study Report* produced by Moseley Architects dated April 11, 2017 for review. Any outstanding deficiencies identified in these previous reports plus additional deficiencies observed during the current site visit, will be indicated in the current respective TRC Team reports.

Mike Harwood, P.E. and Timothy Allen, P.E. with TRC visited the subject property on Friday, April 12, 2024. Weather conditions at the time of the site visit were of partly cloudy skies and wind gusts up to 45 mph with a temperature of around 58 degrees F. Access to the subject property was provided by Mr. Steven Bailey with City of Lynchburg. Mike Harwood and Timothy Allen of TRC were escorted by Mr. Bailey during the site walk.

Site Improvements

Topography
The subject property generally slopes from the south to the north side of the site. The topography was observed to be in overall good condition and did not appear to present detrimental conditions. No significant areas of erosion were observed at the time of the site visit.

Site Storm Water Drainage
Engineered slopes are located within the paved surfaces of the site to allow the drainage of storm water to sheet flow to drop and curb inlets. The site storm water drainage systems appear to be generally adequate. Landscaping at the site appears to absorb storm water through natural percolation. Routine maintenance is anticipated during the term.

Building Storm Water Drainage
The subject building roof areas slope to gutters with downspouts. The downspouts are piped to the sub-grade retention basins or directly into the municipal storm water system.

TRC observed significant moisture infiltration into the northwest wall of the basement area under the Central Connector portion of the building. The water source appears to be surface/storm water infiltrating into the subsurface in the area of the basement. However, this area is outside of the Subject Building and costs to remediate this condition are not provided herein. It should be noted that the crawlspace areas under the Subject Building showed no indications of significant moisture infiltration.

Vehicular Access, Paving, Curbing, and Parking
Partial on-site vehicular access is limited to a concrete-paved access drive along the south side of the site respective to the adjacent city-owned parking structure. A brick-paved drive within 9th Street public right-of-way is also provided along the east side of the site. The paved surfaces were observed to be in overall good condition. Routine maintenance is anticipated during the term.

Flatwork, Walkways, Grade-Level Steps, and Ramps
Building entrance flatwork and pedestrian walkways include stone pavers around the original portion of the building and the entry to the Central Connector. The site flatwork was observed to be in overall good condition. Routine maintenance is anticipated during the term.

Landscaping and Site Appurtenances
Landscaping at the facility is limited and primarily consists of grass, trees, and bushes. No landscaping irrigation system was observed at the property. Routine maintenance is anticipated during the term.

Building Envelope

Exterior Facades

Building facades are generally constructed with cast stone and brick masonry; with the majority of exterior surfaces consisting of brick masonry. The brick masonry is in overall good condition relative to the age of the structure.

Recommendations for repair include replacement of damaged portions of brick and stone, tuck-pointing of the stone and brick masonry, and thorough cleaning and sealing of the exterior masonry surfaces.

Exterior Windows

Windows include a combination of wood-framed single-pane glazing units with single-hung operation and decorative stained-glass windows. The windows and frames at the facility were generally observed to be in fair to poor condition. The wooden window frames suffer from rot and the stained-glass windows are bowed.

Recommendations for repair include re-leading and re-sashing the stained-glass windows, replacement of the clear glazing windows, and replacement of window frames throughout the building.

Exterior Doors

Entry and service man doors include wood-framed doors set in wood-framed assemblies. The exterior doors throughout the Subject Building were observed to be in fair to poor condition.

Recommendations for repair include replacement of all exterior doors. Costs for replacement of interior doors are included in the recommendations for interior renovations provided in TRC's cost table.

Roofing Systems

The Subject Building roof systems consists primarily of moderately-sloped slate with areas of built-up roof (BUR), metal roof, and thermoplastic polyolefin (TPO). The roofing appears to be in overall fair condition relative to age.

Recommendations for repair include full roof replacement for the Subject Building.

Mechanical and Electrical Systems

Plumbing

The majority of the piping at the Subject Building consists of galvanized steel and cast iron that is beyond its typical useful life.

Recommendations for repair include upgrading and replacement of the supply and waste piping throughout the Subject Building.

Domestic Hot Water

Domestic hot water supply is limited to a single water heater that is beyond its useful life and would require replacement.

Heating, Ventilation, and Air Conditioning

Heating of the Subject Building was historically provided by a boiler located in the mechanical crawl space. Records observed by TRC indicate that the boiler was last operational in 1993-1995. TRC observed a 5-ton split system with natural gas heat that serves the weight room. The split system was reportedly installed in 2010 and is nearing the end of its expected useful life.

Recommendations for repair include abandonment in-place of the boiler and the installation of a new HVAC system with ductwork and controls throughout the Subject Building.

Electrical

Electrical service to the subject building is reportedly supplied by the local utility. Service to the site is fed from a pole-mounted utility-owned transformer. Services are fed overhead to an exterior façade-mounted main disconnect and interior distribution panels.

The transformer steps the service down to the appropriate voltage. The main electrical service supplied to the Subject Building was observed to be 120/240V, single-phase, 3-wire with 200-amp capacity. The electrical systems for the Subject Building are old, including knob and tube type wiring, and could represent a fire hazard.

Exterior lighting at the Subject Building is limited and consists primarily of incandescent and fluorescent lighting in building-mounted fixtures. Interior lighting is generally limited to fluorescent and incandescent fixtures.

Recommendations for repair include replacement of the electrical systems in the Subject Building and upgrading the interior and exterior lighting to new LED fixtures. Costs for lighting upgrades are included in TRC's estimate for interior renovations.

Vertical Transportation

No elevators or mechanical lifts were observed or reported at the time of the site visit.

Life Safety and Fire Protection

The subject building is not protected with an automatic fire suppression system. Hand-held fire extinguishers were observed to be missing throughout the interior of the subject building.

Recommendations for repair include the installation of a modern fire protection system for the Subject Building with fire alarm control panel and fire extinguishers throughout the building.

General Interior Finishes

Interior finishes of the Subject Building are in an overall state of neglect and disrepair. TRC has included a cost allowance for interior renovations for a variety of anticipated future uses for the facility.

Limited ADA Accessibility Assessment

As defined under Title III of the ADA, existing facilities considered to be "public accommodations" must take steps to remove architectural and communication barriers that are deemed "readily achievable" under the retroactive requirements. Compliance with the 2010 ADA Standards for Accessible Design is required for new construction and alterations on or after March 15, 2012. This assessment included a limited review of the "common" exterior path of travel areas of the property.

The Subject Building was not designed for ADA access and does not include accessible entries, path of travel, accessible restrooms, or access to upper levels.

The actual ADA upgrades required will depend on the type of future use of the facility and the plans for interior renovations.

TRC has included allowance costs for restroom upgrades, path of travel upgrades, and wheelchair lifts as necessary.

Asbestos-Containing Materials (ACMs)

The report of TRC's asbestos study is submitted under separate cover. TRC's asbestos team discussed the needs of the project with local contractors and developed a preliminary cost estimate for asbestos abatement. The identified materials include the tan wall paster (textured) in the Sanctuary and gym; the green/brown linoleum in the former office; the gray and white pipe-run airocell in the boiler room; the white and yellow linoleum under the carpet squares in the police office; and the brown and black vinyl floor tile in the basement with black mastic. The estimated abatement cost is included in the cost table attached to this report. Note-in order to preserve its integrity and avoid damage, no roof testing was performed for ACM and therefore our cost estimates do not include any potential roof replacement costs.

Opinions of Cost

The most recent report completed by Moseley Architects includes detailed cost recommendations for the various significant building systems. TRC has provided updated costs and has consolidated some of the cost line items, while also including some additional costs in regards to alternative future uses of the facility. TRC's opinions of costs are provided in the cost spreadsheet attached to this report.

This report does not identify minor, inexpensive repairs or maintenance items that are clearly part of the City's operating budget or taken care of during typical building maintenance. This report excludes costs that are below $3,000; unless determined to be an immediate cost or combined cycle cost throughout the term.

Phase II Environmental Site Assessment

In addition to the items discussed herein, TRC was also contracted to perform a Phase II ESA for the subject property and that work is on-going at the time of this report. **Note that any additional costs related to the findings of the ESA are not included in this report.**

Limiting Conditions

Limitations to the accuracy and completeness of this FCA abbreviated report are listed below:

Access Limitations: Safe access was not provided to isolated roof areas during the current site visit.
Physical Obstructions to Observations: Portions of the building may not have been fully observable due to stored material, furniture, equipment, height of building exterior, or interior finishes at the time of the current site visit.
Outstanding Information Requests: Information requested from others may not have been received in time for this report. If information received at a later date will alter the conclusions of this report, an addendum will be issued.

The assessment was not necessarily intended to comply with *ASTM E2018-24 Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process* (ASTM E2018), but rather consists of an updated to previous reports, as requested by the Client.

TRC warrants that the findings contained in this FCA abbreviated report have been prepared in general accordance with accepted professional practices at the time of report preparation as applied by similar professionals. Future changes in standards, practices, or regulations cannot be anticipated and have not been addressed.

This FCA abbreviated report has been prepared for the exclusive use of the Client. Feel free to contact the undersigned with any questions or comments 336.380.3997.

Sincerely,
Draper Aden Associates, LLC a TRC Company (TRC)

Mike Harwood, P.E.
FCA Program Director

Attachments:
Exhibit 1: Overall Aerial Plan
Exhibit 2: West Building Aerial Plan
Exhibit 3: Table of Quantities and Annual Estimated Costs
Exhibit 4: Site Photos
Exhibit 5: Structural Framing Assessment Report
Exhibit 6: Asbestos Report
Appendix A: April 11, 2017 Stabilization Study Report
Appendix B: September 9, 2008 Building Condition Survey Report

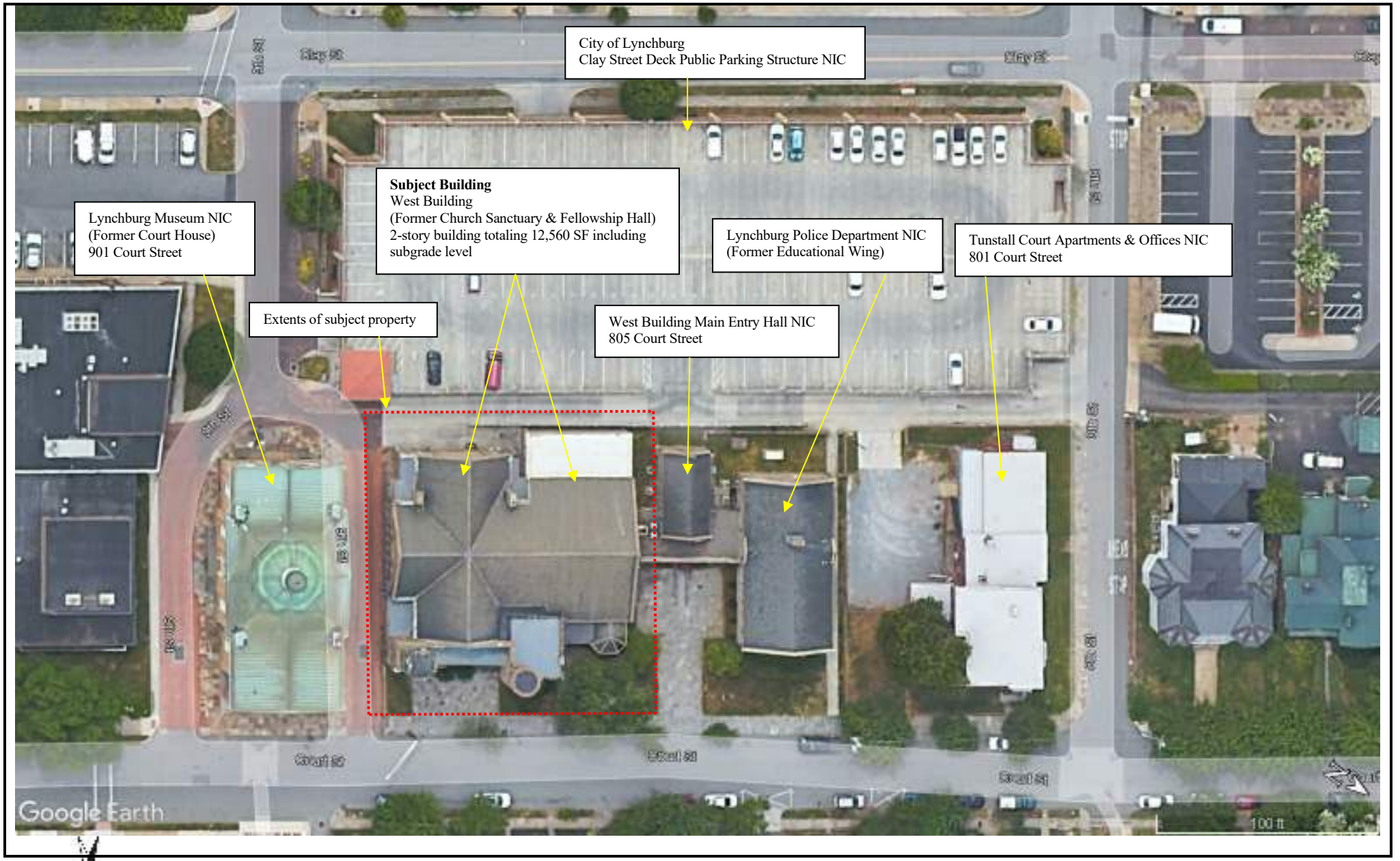


EXHIBIT 1: OVERALL AERIAL PLAN

TRC Project Number 519073 West Building Lynchburg, VA

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EXHIBIT 2: WEST BUILDING AERIAL PLAN

TRC Project Number 519073 Lynchburg, VA

Exhibit 3: Table of Quantities and Annual Estimated Costs

Subject Property age (years)	120+*
Number of stand-alone buildings within extents of the Subject Property	One
Date of site reconnaissance	April 12, 2024
Total building area (square feet)	23,810
Total Immediate Costs	$ -
Over the Term Inflated Cost per square feet	$ 10,150,044.20

West Building

805 Court Street

Lynchburg, Virginia 24504

TRC

TRC Project Number: 519073

Item	Report Section/Recommended Remediation	AVG EUL (Yr)	EFF AGE (Yr)	RUL (Yr)	Quantity	Measure	Unit Cost	Cycle Cost	Immediate Cost	Over the Term Estimated Costs										Over the Term Total Costs
										Year 01	Year 02	Year 03	Year 04	Year 05	Year 06	Year 07	Year 08	Year 09	Year 10	
	Site Improvements																			
1	Allowance for landscaping protection and restoration	--	--	--	1	LS	$ 20,000.00	$ 20,000.00		$ 20,000										$ 20,000
	Structural Frame and Building Envelope							**Site Improvements Subtotal**	$ -	$ 20,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 20,000.00**
2	Project Design & Construction Contingiency	--	--	--	1	LS	$ 780,000.00	$ 780,000.00		$ 780,000										$ 780,000
3	Remove, salvage, and replace slate roofing	50	50	0	10,114	SF	$ 65.00	$ 657,410.00		$ 657,410										$ 657,410
4	Replace flat roof membranes with new EPDM or TPO systems	20	20	0	2,915	SF	$ 8.00	$ 23,320.00		$ 23,320										$ 23,320
5	Metal roof replacement	50	50	0	1,750	SF	$ 12.00	$ 21,000.00		$ 21,000										$ 21,000
6	Allowance to restore and re-seal openings of two (2) towers	--	--	--	1	LS	$ 65,000.00	$ 65,000.00		$ 65,000										$ 65,000
7	Allowance for roof insulation, underlyament, and flashings	--	--	--	1	LS	$ 50,000.00	$ 50,000.00		$ 50,000										$ 50,000
8	Allowance for roof deck replacement	--	--	--	2,600	SF	$ 8.50	$ 22,100.00		$ 22,100										$ 22,100
9	Allowance for roof material disposal	--	--	--	1	LS	$ 15,000.00	$ 15,000.00		$ 15,000										$ 15,000
10	Allowance for general mobilization and cleanup	--	--	--	1	LS	$ 75,000.00	$ 75,000.00		$ 75,000										$ 75,000
11	Allowance to scaffold building	--	--	--	21,850	SF	$ 5.00	$ 109,250.00		$ 109,250										$ 109,250
12	Allowance to replace exterior doors and frames	40	40	0	1	LS	$ 55,000.00	$ 55,000.00		$ 55,000										$ 55,000
13	Allowance for disposal of materials	--	--	--	1	LS	$ 15,000.00	$ 15,000.00		$ 15,000										$ 15,000
14	Allowance for exterior caulking and sealants	15	15	0	1	LS	$ 50,000.00	$ 50,000.00		$ 50,000										$ 50,000
15	Tuck-point brick and stone masonry	40	40	0	17,077	SF	$ 20.00	$ 341,540.00		$ 341,540										$ 341,540
16	Stained glass windows woodwork and frame replacement	50	50	0	1,500	SF	$ 74.00	$ 111,000.00		$ 111,000										$ 111,000
17	Allowance to re-lead and/or replace stained glass windows	50+	50+	0	1	LS	$ 285,000.00	$ 285,000.00		$ 285,000										$ 285,000
18	Thoroughly wash and apply sealant to building exterior	8	8	0	21,850	SF	$ 15.00	$ 327,750.00		$ 327,750									$ 367,500	$ 695,250
19	Allowance for re-painting of exterior paintable surfaces	8	8	0	1	LS	$ 30,000.00	$ 30,000.00		$ 30,000									$ 30,000	$ 60,000
20	Replace stone copings at roof lines	50	50	0	325	LF	$ 50.00	$ 16,250.00		$ 16,250										$ 16,250
21	Replace gutters & downspouts	30	30	0	625	LF	$ 30.00	$ 18,750.00		$ 18,750										$ 18,750
22	Joist bearing ledger and wall repair	30	30	0	160	LF	$ 29.00	$ 4,640.00		$ 4,640										$ 4,640
23	Roof joist stabilization	75+	75+	0	1,954	SF	$ 14.30	$ 27,942.20		$ 27,942										$ 27,942
24	Allowance for structural prep and blocking	75+	75+	0	1	LS	$ 50,000.00	$ 50,000.00		$ 50,000										$ 50,000
25	Allowance to replace and repair floor girders	75+	75+	0	1	LS	$ 11,500.00	$ 11,500.00		$ 11,500										$ 11,500
26	Demo and replace tower floors	75+	75+	0	650	SF	$ 87.00	$ 56,550.00		$ 56,550										$ 56,550
27	Replace steel ladders in towers	75+	75+	0	100	LF	$ 357.50	$ 35,750.00		$ 35,750										$ 35,750
28	Allowance for wall removal and replacement	75+	75+	75+	1	LS	$ 350,000.00	$ 350,000.00		$ 350,000										$ 350,000
29	Allowance for equipment rental	--	--	--	1	LS	$ 78,000.00	$ 78,000.00		$ 78,000										$ 78,000
30	Allowance to upgrade exterior light fixtures to LED	--	--	--	1	LS	$ 35,000.00	$ 35,000.00		$ 35,000										$ 35,000
	Mechanical, Electrical, and Plumbing							**Structural & Building Subtotal**	$ -	$ 3,717,752	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 397,500	$ -	**$ 4,115,252.20**
31	Replace / update electrical systems	50	50	0	23810	SF	$ 57.20	$ 1,361,932.00		$ 1,361,932										$ 1,361,932
32	Install new HVAC system, with distribution and controls	--	--	--	23810	SF	$ 78.00	$ 1,857,180.00		$ 1,857,180										$ 1,857,180
33	Allowance to replace plumbing systems	50	50	0	23,810	SF	$ 25.00	$ 595,250.00		$ 595,250										$ 595,250
	Life Safety / Fire Protection							**MEP Subotal**	$ -	$ 3,814,362	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 3,814,362.00**
34	Install new sprinkler system	--	--	--	23,810	SF	$ 10.00	$ 238,100.00		$ 238,100										$ 238,100
35	Intall new fire alarm system with control panel	--	--	--	23,810	SF	$ 8.00	$ 190,480.00		$ 190,480										$ 190,480
	Interior and Specialty Items							**Safety Subtotal**	$ -	$ 428,580	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 428,580.00**
36	Allowance for interior renovations	--	--	--	23810	SF	$ 65.00	$ 1,547,650.00		$ 1,547,650										$ 1,547,650
	Additional Scope Considerations							**Interior Subtotal**	$ -	$ 1,547,650	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 1,547,650.00**
37	Allowance to upgrade restrooms to ADA standards	--	--	--	1	LS	$ 50,000.00	$ 55,000.00		$ 55,000										$ 55,000
38	Allowance for ADA Path of Travel Improvements - interior & exterior				1	LS	$ 50,000.00	$ 53,000.00		$ 53,000										$ 53,000
39	Allowance for asbestos abatement	--	--	--	1	LS	$ 96,200.00	$ 96,200.00		$ 96,200										$ 96,200
40	Allowance for installation of wheelchair lift				1	LS	$ 20,000.00	$ 20,000.00		$ 20,000										$ 20,000
								Additional Scope Subtotal	$ -	$ 224,200	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 224,200.00**
								Overall Immediate and Annual Totals	$ -	$ 5,509,602	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 397,500	$ -	**$ 10,150,044.20**

Note: Records indicate that the existing building was constructed in early 1900s with further improvements in early 1940s. However a cornerstone on the building shows "1815" though there is no other record to substantiate it.

EXHIBIT 4 – PHOTOS

1. Historic Lynchburg UMC (1815)

2. Main tower at east corner

3. Tower exterior masonry

4. Original Structure exterior masonry and window

5. Original ornamental masonry and stained glass window

6. Entry to historic structure

7. Masonry arch and painted wood soffit

8. North view of Original Structure

9. Walkway to main entry in central connector

10. Pedestrian ramp at main entry

11. Windows at 1941 Addition

12. 1941 Addition

13. View along north side of Original Structure

14. Typical exterior light fixture

15. Single-pane windows in deteriorated wooden frames

16. West corner of 1941 Addition

17. Exterior grade-mounted HVAC units

18. Steps to basement under 1941 Addition

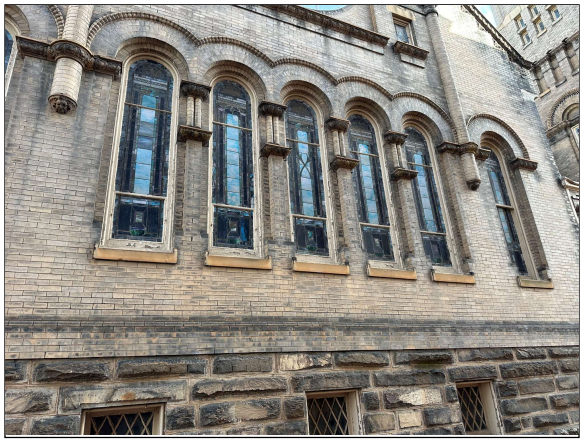
19. Space between Central Connector and Original Structure

20. Exterior masonry at Original Structure

21. View along southwest side of Original Structure from adjacent parking deck

22. Deteriorated doors and frames – doors to crawl space under Original Structure

23. Original Structure exterior masonry and elevated door



24. Exterior structure masonry and stained glass windows

25. Exterior of second tower

26. Typical windows of Original Structure

27. Stone walkway – potential trip hazards

28. View of crawl space under Original Structure

29. Old boiler – last date of inspection in 1993

30. Old knob and tube wiring in Original Structure

31. Basement area under 1941 Addition with air handler

32. Water infiltration in basement under 1941 Addition

33. Cast iron plumbing

34. Main entry area in Central Connector

35. Training room in Central Connector

36. Workout room in Original Structure

37. Interior of Original Structure

38. Interior corridor in Original Structure

39. View of Sanctuary in Original Structure

40. Hardwood floors in Original Structure

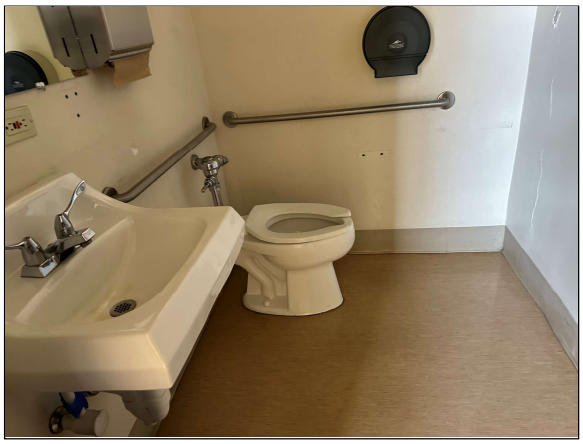
41. Stained glass windows in Original Structure

42. Electrical breaker panel in Original Structure

43. View of roof of Central Connector

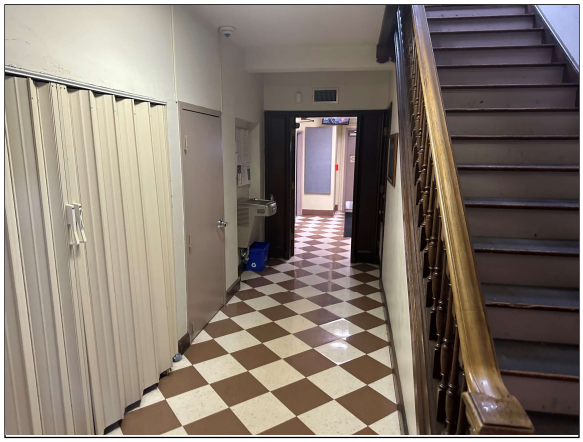
44. View of interior of 2nd tower

45. Break room in central connector

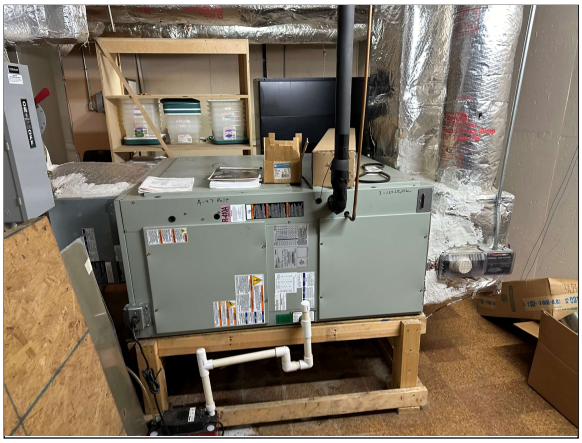


46. Accessible restroom in 1941 Addition (lacks sufficient turning radius)

47. Interior of police offices in 1941 Addition



48. Interior corridor and stairs in 1941 Addition



49. HVAC unit in basement of 1941 Addition

50. Fire alarm control panel for 1941 Addition

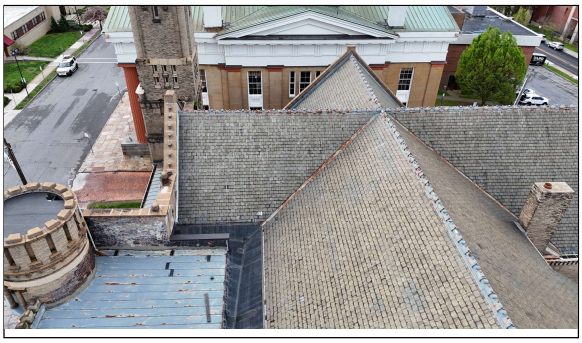
51. Attic of 1941 Addition with air handler and ductwork

52. Main electrical panel in 1941 Addition

53. Breaker panel in 1941 Addition

54. Water heater in 1941 Addition

55. View of Original Structure (left); 1941 Addition (right); and Central Connector (center)



56. View of roof over Original Structure

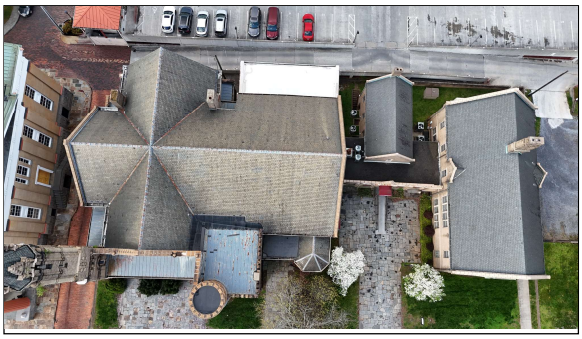
57. View of Main Tower

58. Main Tower exterior

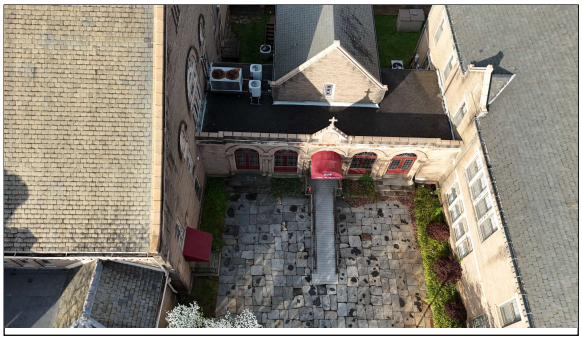
59. Main Tower mansard roof

60. 2nd Tower EPDM roof

61. Overhead view of Original Structure

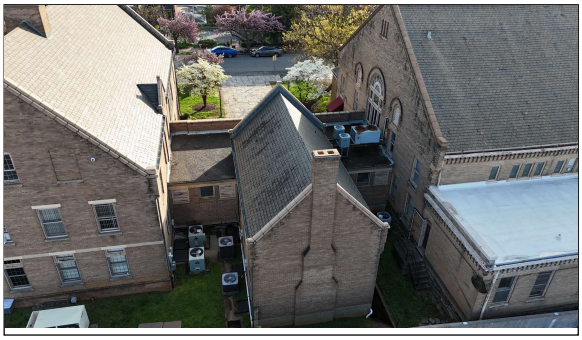


62. Overhead view of property



63. Overhead view of Central Connector

64. Roofing types at 2nd Tower and Original Structure



65. Aerial view of Central Connector

66. Aerial view of Original Structure

EXHIBIT 5 – STRUCTURAL REPORT

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St. Louis, MO 63103

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TRCcompanies.com

May 3, 2024

Marjette Upshur, Director
City of Lynchburg EDA
900 Church Street
Lynchburg, Virginia 24504
marjette.upshur@lynchburgva.gov
434.444.3878

RE: **Structural Framing Assessment in correlation with Facility Condition Assessment Abbreviated Report**
TRC Project Number 519073
West Building
805 Court Street
Lynchburg, Virgina 24504

This focused report is for the structural framing of the Subject building located at 805 Court Street, Lynchburg Virginia and is in reference to the overall Facility Condition Assessment Abbreviated Report dated April 26, 2024, by TRC. The purpose of this report is to provide an update to the prior studies conducted for the subject property. TRC has reviewed the reports published by Moseley Architects (April 11, 2017) and Nolen Frisa Associates (September 9, 2008). This report will focus on the most recent work by Mosely Architects and will provide consolidated cost recommendations based on TRC's opinion of current costs for the various recommendations.

The scope of work from previous reports was limited to the original church sanctuary and fellowship hall portion (referred to herein as the "Subject Building") and excluded the 1940s educational wing currently occupied by the City of Lynchburg Police Department (referred to herein as the "1941 Addition"). TRC's structural framing site observations included a walk-through visual inspection with no selective demo investigation. Cost recommendations provided by TRC are intended to focus primarily on the Subject Building.

Structural Building Framing

Floor framing and Roof framing

Church sanctuary and nave floor was able to be accessed through crawlspace entry. Graded trenches provided access throughout most of the crawlspace. The previous reports held true to this date regarding framing layout, composition, condition and location of select repairs required. The floor framing was in fair to good condition with little to no signs of moisture intrusion or insect damage. Reference previous report from 2017 mentioned above for repair locations and requirements.

In addition to the previous reports it was observed that the bearing condition of the floor joists along the exterior wall require some attention. Due to the age of the exterior foundation stone walls and the angle of the floor joist bearing, sufficient joist bearing is suspect in numerous spots.

Our recommendation is to repair foundation wall at bearing locations where damage is present and provide a new treated (2)-2x6 ledger mechanically fastened to the inside face of foundation wall to ensure sufficient bearing length for existing floor joists.

Fellowship Hall crawl space as stated in previous reports was inaccessible at time of inspection.

Fellowship Hall 2nd floor framing was also inaccessible due to existing wall and ceiling coverings.

Roof structure for all the Subject Building was also not accessible at time of inspection.

Lateral and Seismic Stability
In short, the previous comments of the 2017 report correctly address that the current building will need to be retrofitted to meet present code lateral and seismic requirements and this would be a difficult and expensive task. Cost for this is not included in the cost breakdown.

Opinions of Cost
See main Facility Condition Assessment (FAC) report and accompanied spreadsheet.

Conclusion
Previous report published by Moseley Architects (April 11, 2017) holds accurate with statements, accounts, and recommendations with the addition of the crawlspace joist bearing repair and recommendations provided in this report.

Sincerely,

Timothy Allen, PE
Structural Engineering Group Lead

Attachments: Exhibit 1: Site Photos

Exhibit 1:

1. Initial crawlspace access room. Cracked Girder

2. Typical Sanctuary/Nave Framing

3. Typical Sanctuary/Nave Framing

4. Typical Sanctuary/Nave Framing

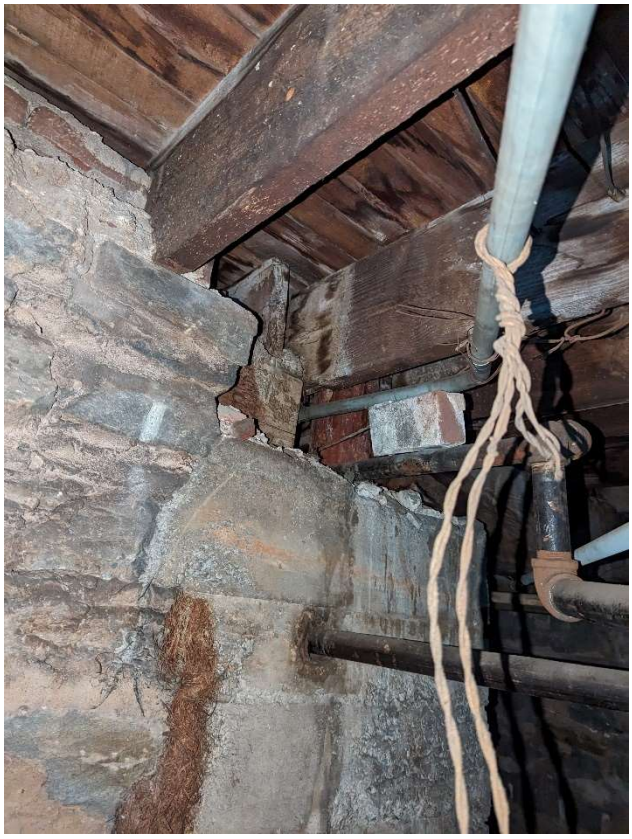
5. Typical Sanctuary/Nave Framing

6. Typical Sanctuary/Nave Framing – Cracked girder

7. Cracked girder

8. Joist end bearing on stone wall - Repair

9. Joist end bearing on stone wall – Repair



10. Joist end bearing on stone wall - Repair

EXHIBIT 6 – ACM/LBP REPORT

LIMITED HAZARDOUS MATERIALS SURVEY REPORT

Lynchburg

801 Court St Lynchburg Lynchburg VA 24504 US

Prepared for:

City of Lynchburg

Report Date: May 14, 2024

Prepared By:

TRC Project: 519073.0000.0000

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Appendix A – Sample Location Diagrams

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Appendix C – Laboratory Results and Chain of Custody

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EXECUTIVE SUMMARY

The City of Lynchburg contracted TRC Environmental Corporation (TRC) to conduct a limited scope hazardous materials survey at 801 Court St Lynchburg Lynchburg VA 24504 US. The survey activities were initiated on April 11, 2024, by Andre Steuer and Natalie Stevens, Asbestos Hazard Emergency Response Act (AHERA) accredited Asbestos Building Inspectors.

Asbestos Containing Materials

Results of analysis confirmed asbestos was identified within some of the bulk samples collected. Asbestos-containing materials (ACM) are defined by the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA) and the Virginia Department of Professional and Occupantional Regulation (DPOR) as any material containing more than one percent (>1.0%) asbestos when analyzed using Polarized Light Microscopy (PLM) methods.

Any materials uncovered during renovation or demolition activities that are not addressed in this inspection report, or suspect asbestos-containing materials, must be sampled by an accredited asbestos inspector prior to any disturbance, or they must be treated as asbestos containing (ACM).

Materials Containing Trace Asbestos (<1% Asbestos)

Asbestos was identified in concentrations less than one percent in some of the materials sampled. While these materials are not considered asbestos-containing material by EPA or Virginia DPOR, OSHA regulations still apply when the material is disturbed.

Lead Containing Paint Sampling Results

Results of the laboratory analysis indicated lead was detected in the samples that were collected as listed in the following sections. Lead-based paint (LBP) is defined as paint containing greater than or equal to 0.5 percent lead by weight (≥0.5%) or greater than or equal to 5,000 parts per million (ppm). For any paint in which lead was detected, TRC recommends that any demolition or renovation activities that may disturb painted surfaces be conducted according to the OSHA requirements regarding lead in construction (29 CFR 1926.62).

INTRODUCTION

The City of Lynchburg contracted TRC Environmental Corporation (TRC) to conduct a limited scope hazardous materials survey at 801 Court St Lynchburg Lynchburg VA 24504 US. The survey activities were initiated on April 11, 2024, by Andre Steuer and Natalie Stevens, Asbestos Hazard Emergency Response Act (AHERA) accredited Asbestos Building Inspectors.

BACKGROUND

Asbestos Containing Materials

Occupational Safety and Health Administration (OSHA) defines asbestos-containing material (ACM), as any material containing more than one percent asbestos.

The Environmental Protection Agency (EPA) defines ACM as follows:

1. Friable asbestos-containing material (ACM), is defined by the Asbestos NESHAP, as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure.

2. Nonfriable ACM is any material containing more than one percent (1%) asbestos as determined using the PLM method that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. The EPA further defines two categories of nonfriable ACM:

    a. Category I (Cat I) - Category I nonfriable ACM is any asbestos-containing packing, gasket, resilient floor covering or asphalt roofing product which contains more than one percent (1%) asbestos as determined using PLM according to the method specified in Appendix A, Subpart F, 40 CFR Part 763, and

    b. Category II (Cat II) - Category II nonfriable ACM is any material, excluding Category I nonfriable ACM, containing more than one percent (1%) asbestos as determined using PLM according to the methods specified in Appendix A, Subpart F, 40 CFR Part 763 that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

3. Regulated Asbestos-Containing Material (RACM) is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Asbestos Sampling Procedures

The survey was conducted in accordance with the sample collection protocols established in 40 CFR 763 (AHERA), 40 CFR 61 Subpart M (NESHAP). A summary of survey activities is provided below.

Survey activities began with visual observation of the project area to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color and texture that does not extend to other buildings or floors. Visual assessments were conducted in accessible areas of the building. Building materials identified as glass, wood or metal were not considered suspect ACM.

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. Friability was assessed by physically touching suspect materials.

Based on results of the visual observation, bulk samples of suspect ACM were collected in accordance with Virginia DPOR sampling protocols. Samples of suspect materials were collected in each homogeneous area. Bulk samples were collected using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker. Note that multiple bulk samples are collected from each homogenous area of suspect ACM observed. In accordance with U.S. EPA guidelines, multiple samples are collected from each homogenous area of miscellaneous, thermal system insulation, and surfacing materials. Note that if one or more samples within a homogenous area of suspect ACM are positive for asbestos, then all of the suspect ACM must be treated as asbestos-containing material.

Bulk samples were submitted under proper COC documentation to the laboratory. Bulk samples were analyzed by PLM utilizing the EPA's, Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/M4-82-020. Analysis by PLM was performed by visual observation of the bulk sample and slides prepared of the bulk sample for microscopic examination and identification. The samples were analyzed for asbestos (Chrysotile, Amosite, Crocidolite, Anthophyllite, and Actinolite/Tremolite), fibrous non-asbestos constituents (mineral wool, cellulose, etc.) and non-fibrous constituents. Using a stereoscope, the microscopist visually estimated the relative amounts of each constituent by determining the estimated area of the asbestos compared with the area estimate of the total sample.

Paint Chip Sampling

TRC conducted a lead paint inspection to identify loose and flaking lead-based paint (LBP) and/or lead-containing paint (LCP) and lead-containing materials (LCM) at the Site. The lead paint survey was performed to identify representative testing combinations of suspect LBP on painted surfaces that made up the majority of the coating in each area assessed that would present a hazard during demolition activities.

The general purpose of this investigation was to confirm the presence, and determine the location of loose and flaking lead-based paint coatings and components, which will be disturbed in association with the renovation or demolition of the Site. TRC has documented the general condition of such painted building surfaces, characterized the composition of painted surfaces with regard to lead content, and quantified areas/components to define the magnitude to which loose and flaking LBP is present, where encountered. Information derived from this investigation may be used in communicating potential lead exposure hazards to workers performing abatement and/or demolition. The scope of work associated with this investigation included the following elements:

- Visual inspection of painted surfaces and components;

- Testing of select loose and flaking painted surfaces and components using paint chip analysis; and
- Assess condition and approximate quantities of LBP/LCP for reporting purposes.

Lead-based paint (LBP) is defined by the United States Department of House and Urban Development (HUD) as any paint, varnish, stain, or other applied coating that has one mg/cm2 or more of lead or 0.5% by weight (5,000 micrograms per gram [ug\g] or 5,000 parts of lead per million [ppm]). According to the OSHA Program Directive, Lead: Exposure in Construction, "For all occupational exposure to lead occurring in the course of construction work, the standard (1926.62) does not specify a minimum amount or concentration of lead that triggers a determination that lead is present and the potential for occupational exposure exists." Therefore, any paint containing less than 0.5% by weight, but greater than the laboratory detection limit is considered to be a LCP.

Paint chip samples were collected from painted surfaces to determine total lead content and assist in determining Occupational Safety and Health Administration (OSHA) requirements with respect to construction activities which may disturb lead-containing paints.

All paint chip samples were submitted under proper COC documentation to the laboratory. Samples were analyzed by Flame AAS utilizing the Environmental Protection Agency's (EPA) Test Method for Evaluating Solid Waste, Physical / Chemical Methods, EPA SW-846 Method 7420.

Laboratory Analysis

Laboratory services were provided by EMSL Analytical, Inc., a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory (NVLAP code #101048-0) located in Cinnaminson, New Jersey.

FINDINGS

Asbestos Containing Materials

Laboratory analytical results indicated the following materials were positive for asbestos in concentrations greater than 1%:

Asbestos Positive Materials Lynchburg					
Samples	**Material**	**Location**	**Percentage / Type**	**Approx. Quantity**	**Condition / Material Type / NESHAP Category**
4A 4B 4C 4D 4E	Tan Wall Plaster-Textured	Sanctuary And Gym	**3% Chrysotile**	7,500 SF	Damaged Surfacing RACM

Asbestos Positive Materials Lynchburg					
Samples	**Material**	**Location**	**Percentage / Type**	**Approx. Quantity**	**Condition / Material Type / NESHAP Category**
6A 6B 6C	Green, Brown Linoleum	Former Office	**15% Chrysotile** (Samples 6A & 6B) **20% Chrysotile** (Sample 6C)	500 SF	Damaged Misc. Cat II
12A 12B 12C	Grey, White Pipe Run - Airocell	Boiler Room	**40% Chrysotile** (Samples 12A & 12B) **50% Chrysotile** (Sample 12C)	6 LF	Good TSI RACM
13A 13B 13C	Grey Pipe Elbow	Boiler Room	**15% Chrysotile**	1 LF	Good TSI RACM
17A 17B 17C	White, Yellow Linoleum Under Carpet Squares	Police Office	**15% Chrysotile**	500 SF	Good Misc. Cat II
22A 22B 22C	Brown, Black Vinyl Floor Tile With Black Mastic 9" X 9"	Basement	**6% Chrysotile** (Samples 22A & 22B) **5% Chrysotile** (Sample 22C)	1,000 SF	Good Misc. Cat II

Materials Containing Trace Asbestos (<1% Asbestos)

Asbestos was identified in the following materials in concentrations less than one percent. While these materials are not considered asbestos-containing material by EPA or Virginia DPOR, OSHA regulations still apply when the material is disturbed.

Asbestos Trace Materials Lynchburg					
Samples	**Material**	**Location**	**Percentage/ Type**	**Approx. Quantity**	**Condition**
6A 6B 6C	Gray/Tan Mastic	Former Office	**<1% Chrysotile**	500 SF	Damaged Misc.

SF = square feet
(*) – When analyzed by 400 point count method.

Negative Materials (No Asbestos Detected)

Results of the bulk sampling indicated none of the following sampled materials contained detectable levels of asbestos, based on the PLM method:

Asbestos Negative Materials Lynchburg			
Samples	**Material Description**	**Material Location(s)**	**Estimated Quantity**
1A 1B 1C	Tan, Black Vinyl Floor Tile With Black Mastic 9" X 9"	Sanctuary Hallway	1,000 SF
2A 2B 2C	White, Tan Ceiling Plaster	Sanctuary Hallway	1,000 SF
3A 3B 3C	Brown Carpet Glue	Sanctuary	6,000 SF
5A 5B 5C	Tan Linoleum	Electrical Room	200 SF
7A 7B 7C	Brown, Black Vinyl Floor Tile With Black Mastic 9" X 9"	Office Hallway	300 SF

Asbestos Negative Materials Lynchburg			
Samples	**Material Description**	**Material Location(s)**	**Estimated Quantity**
8A 8B 8C	Black Waterproofing	Former Office Walls	500 SF
9A 9B 9C	Green, Black Vinyl Floor Tile with Black Mastic 9" X 9"	Storage Room	250 SF
10A 10B 10C	Brown Second Layer Flooring Under Green Tiles	Storage Room	250 SF
11A 11B 11C	Brown, Grey Textured Plaster Over Drywall	Boiler Room	1,000 SF
14A 14B 14C	Black Waterproofing	HVAC Room	100 SF
18A 18B 18C	White, Yellow Vinyl Floor Tile with Yellow Adhesive 12" X 12"	Office Foyer	700 SF
19A 19B 19C	Brown, Yellow Vinyl Floor Tile with Yellow Adhesive 12" X 12"	Office Foyer	700 SF
15A 15B 15C	Tan Window Glazing	Boiler Room Window	10 LF
16A 16B 16C	Black Cove Base with Adhesive	Gym	2,000 LF

Asbestos Negative Materials Lynchburg			
Samples	**Material Description**	**Material Location(s)**	**Estimated Quantity**
20A 20B 20C 20D 20E 20F 20G	White, Grey Wall Plaster-smooth	Police Office and Foyer	5,000 SF
21A 21B 21C	White, Tan Ceiling Tile 1' X 1'	Basement	1,000 SF

Paint Chip Sampling Results

Lead Paint Chip Lynchburg			
Sample Number	**Location(s)**	**Description**	**% Lead (by weight)**
PB-1	Sanctuary Hallway	Off-white Wall Paint	2.2
PB-2	Former Office	White Wall Paint	0.15
PB-3	Door To Boiler Room	Red Door Paint	13
PB-4	Boiler Room Window	Tan Window Paint	11

BRL – Below Reportable Limit

Results of laboratory analysis indicate that lead was detected in the paint chip samples that were collected and analyzed. Sample numbers PB-1, PB-3, and PB-4 were determined to be lead-based paint (LBP) as they were more than 0.5% lead by weight. Sample number PB-2 was determined to be a lead-containing paint (LCP) as it was less than 0.5% lead by weight but greater than the laboratory detection limit.

RECOMMENDATIONS

Asbestos Containing Materials

Results of laboratory analysis confirmed asbestos was identified within some of the bulk samples collected. The asbestos-containing materials were found to be in good condition at the time of the inspection. Removal of asbestos-containing materials should be performed by a Virginia DPOR licensed asbestos abatement contractor, and should be handled, stored, and disposed of according to all local, state, and federal regulations.

Asbestos was identified in concentrations less than one percent within some of the samples collected as indicated in the tables above. If these materials are to be disturbed OSHA asbestos regulations are applicable.

Any materials uncovered during renovation or demolition activities that are not addressed in this inspection report, or suspect asbestos containing materials, must be sampled by an accredited asbestos inspector prior to any disturbance, or they must be treated as asbestos containing (ACM).

Lead Containing Paints

Results of laboratory analysis confirmed that lead was detected in some of the paint chip samples collected. TRC recommends that any demolition or renovation activities which may disturb painted surfaces be conducted according to the OSHA requirements regarding lead in construction (29 CFR 1926.62). Furthermore, due to lead-based paint being detected, the Environmental Protection Agency's Renovation, Repair and Painting Program may apply to this project.

DISCLAIMER

The content presented in this report is based on data collected during the site inspection and survey, review of pertinent regulations, requirements, guidelines and commonly followed industry standards, and information provided by Client, their clients, agents, and representatives.

The work has been conducted in an objective and unbiased manner and in accordance with generally accepted professional practice for this type of work. TRC believes the data and analysis to be accurate and relevant but cannot accept responsibility for the accuracy or completeness of available documentation or possible withholding of information of other parties.

This limited hazardous materials survey report is designed to aid the property owner, architect, construction manager, general contractor, and asbestos abatement contractor in locating asbestos containing materials and lead containing paints. This report is not intended for, and may not be utilized as, a bidding document or as an abatement project specification document.

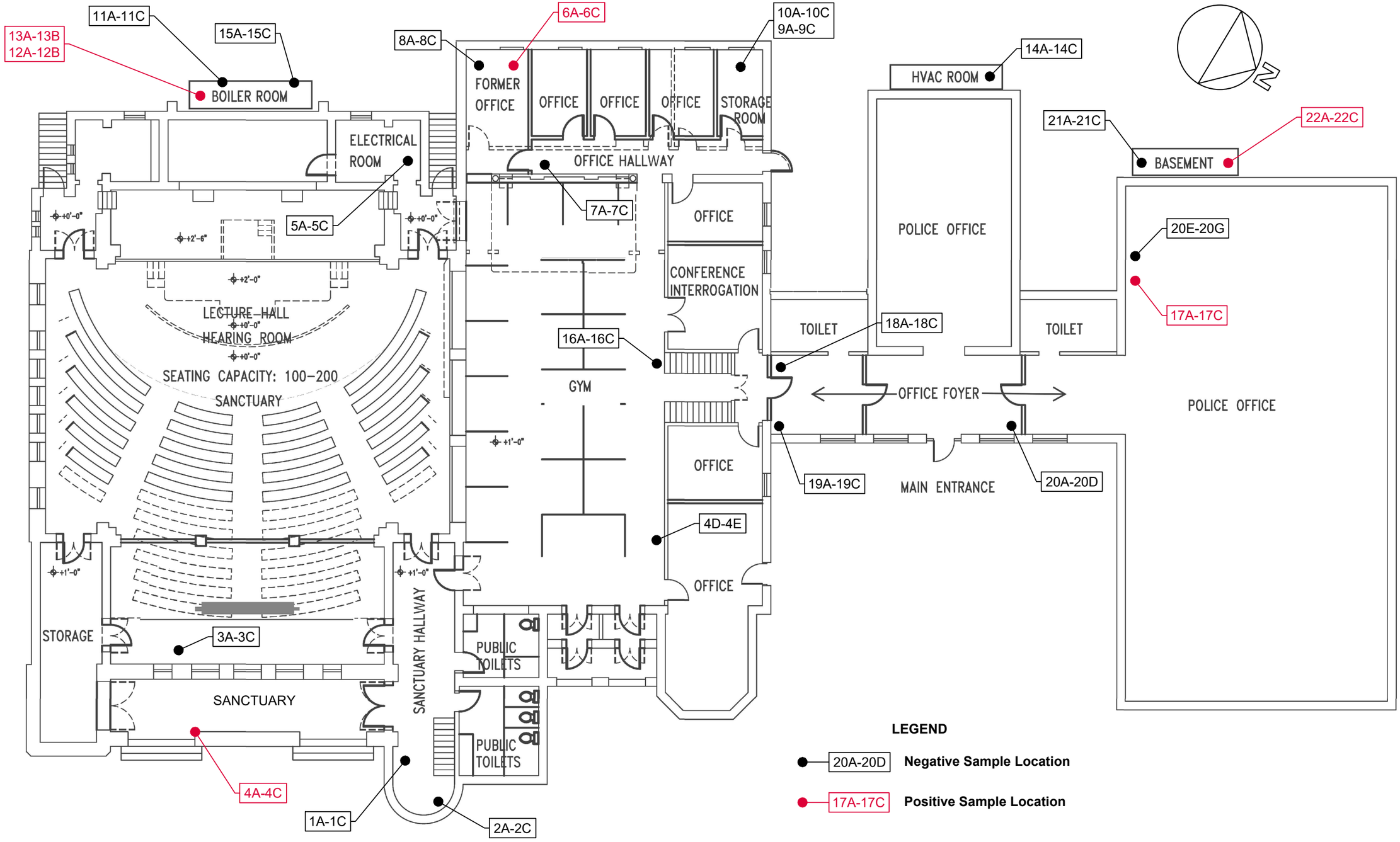
Sincerely,

TRC Environmental Corporation

Natalie W. Stevens
Senior Project Manager

Andre Steuer
Senior Project Manager

Appendix A – Sample Location Diagrams



P:\2022\TRC\519073 - Lynchburg BF\CAD\519073.dwg Apr 30, 2024 8:49am

TRC ENGINEERS, INC.
114 Edinburgh South Drive, Suite 200
Cary, NC 27511
919-873-1060 Fax: 919-873-1074
NC Firm License # F-0591

DESIGNED	AS
DRAWN	DLD
CHECKED	AS
DATE	04/30/2024

ASBESTOS SAMPLING LOCATIONS
WEST BUILDING - 805 COURT STREET
CITY OF LYNCHBURG, VIRGINIA

SCALE: n/a

PLAN NO. 519073

FIGURE 1

Appendix B – Representative Photographs

LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 1A, 1B, 1C **Material Description:** Vinyl Floor Tile With Black Mastic 9" X 9" **Material Color:** Black Tan **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Sanctuary Hallway **Total Approximate Quantity:** 300 SF **Condition:** Damaged **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	
Sample Numbers: 2A, 2B, 2C **Material Description:** Ceiling Plaster **Material Color:** Tan White **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Sanctuary Hallway **Total Approximate Quantity:** TBD **Condition:** Damaged **Material Type:** Surfacing **NESHAP Category:** N/A **Notes:** Not Applicable	

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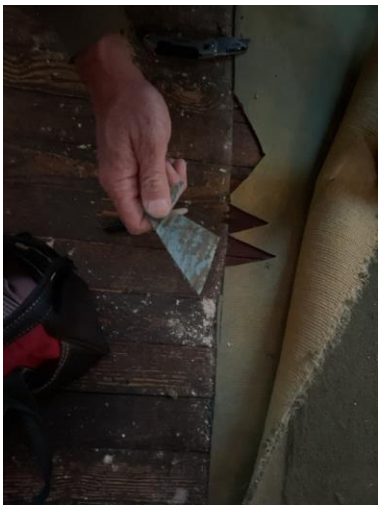
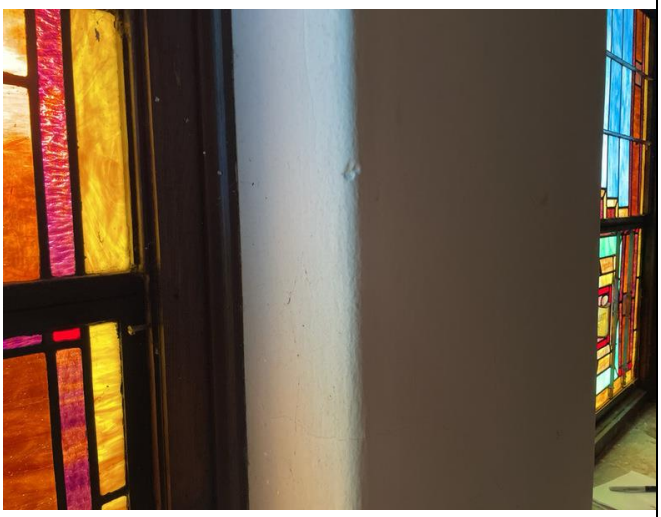
LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 3A, 3B, 3C **Material Description:** Carpet Glue **Material Color:** Brown **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Sanctuary **Total Approximate Quantity:** TBD **Condition:** Good **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	
Sample Numbers: 4A, 4B, 4C, 4D, 4E **Material Description:** Wall Plaster-textured **Material Color:** Tan **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Positive **Asbestos Type:** Pending **Homogeneous Area:** Sanctuary And Gym **Total Approximate Quantity:** TBD **Condition:** Damaged **Material Type:** Surfacing **NESHAP Category:** RACM **Notes:** Not Applicable	

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LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 5A, 5B, 5C **Material Description:** Linoleum **Material Color:** Tan **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Positive **Asbestos Type:** Pending **Homogeneous Area:** Electrical Room **Total Approximate Quantity:** 200 SF **Condition:** Damaged **Material Type:** Misc. **NESHAP Category:** Cat II **Notes:** Not Applicable	
Sample Numbers: 6A, 6B, 6C **Material Description:** Linoleum **Material Color:** Brown Green **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Positive **Asbestos Type:** Pending **Homogeneous Area:** Former Office **Total Approximate Quantity:** 500 SF **Condition:** Damaged **Material Type:** Misc. **NESHAP Category:** Cat II **Notes:** Not Applicable	

LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 7A, 7B, 7C **Material Description:** Vinyl Floor Tile With Black Mastic 9" X 9" **Material Color:** Black Brown **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Office Hallway **Total Approximate Quantity:** 300 SF **Condition:** Damaged **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	
Sample Numbers: 8A, 8B, 8C **Material Description:** Waterproofing **Material Color:** Black **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Former Office Walls **Total Approximate Quantity:** 500 SF **Condition:** Damaged **Material Type:** Surfacing **NESHAP Category:** N/A **Notes:** Not Applicable	

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LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 9A, 9B, 9C **Material Description:** Vinyl Floor Tile With Black Mastic 9" X 9" **Material Color:** Black Green **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Storage Room **Total Approximate Quantity:** 250 SF **Condition:** Damaged **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	
Sample Numbers: 10A, 10B, 10C **Material Description:** Second Layer Flooring Under Green Tiles **Material Color:** Brown **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Storage Room **Total Approximate Quantity:** 250 SF **Condition:** Good **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	

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LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 11A, 11B, 11C **Material Description:** Textured Plaster Over Drywall **Material Color:** Brown Grey **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Boiler Room **Total Approximate Quantity:** 1000 SF **Condition:** Damaged **Material Type:** Surfacing **NESHAP Category:** N/A **Notes:** Not Applicable	
Sample Numbers: 12A, 12B, 12C **Material Description:** Pipe Run - Airocell **Material Color:** Grey White **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Positive **Asbestos Type:** Pending **Homogeneous Area:** Boiler Room **Total Approximate Quantity:** 6 LF **Condition:** Good **Material Type:** TSI **NESHAP Category:** RACM **Notes:** Not Applicable	

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LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 13A, 13B, 13C **Material Description:** Pipe Elbow **Material Color:** Grey **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Positive **Asbestos Type:** Pending **Homogeneous Area:** Boiler Room **Total Approximate Quantity:** 1 LF **Condition:** Good **Material Type:** TSI **NESHAP Category:** RACM **Notes:** Not Applicable	
Sample Numbers: 14A, 14B, 14C **Material Description:** Waterproofing **Material Color:** Black **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** **Total Approximate Quantity:** TBD **Condition:** N/A **Material Type:** N/A **NESHAP Category:** N/A **Notes:** Not Applicable	

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LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 18A, 18B, 18C **Material Description:** Vinyl Floor Tile With Yellow Adhesive 12" X 12" **Material Color:** White Yellow **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Office Foyer **Total Approximate Quantity:** 700 SF **Condition:** Good **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	
Sample Numbers: 19A, 19B, 19C **Material Description:** Vinyl Floor Tile With Yellow Adhesive 12" X 12" **Material Color:** Brown Yellow **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Office Foyer **Total Approximate Quantity:** 700 SF **Condition:** Good **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	

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LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 15A, 15B, 15C **Material Description:** Window Glazing **Material Color:** Tan **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Boiler Room Window **Total Approximate Quantity:** 10 LF **Condition:** Damaged **Material Type:** Surfacing **NESHAP Category:** N/A **Notes:** Not Applicable	
Sample Numbers: 16A, 16B, 16C **Material Description:** Cove Base With Adhesive **Material Color:** Black **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Gym **Total Approximate Quantity:** TBD **Condition:** Good **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	

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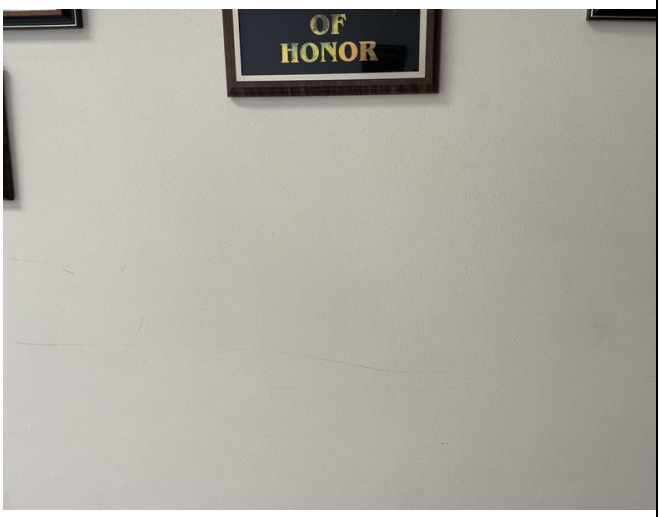
LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 17A, 17B, 17C **Material Description:** Linoleum Under Carpet Squares **Material Color:** White Yellow **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Positive **Asbestos Type:** Pending **Homogeneous Area:** Police Office **Total Approximate Quantity:** 500 SF **Condition:** Good **Material Type:** Misc. **NESHAP Category:** Cat II **Notes:** Not Applicable	
Sample Numbers: 20A, 20B, 20C, 20D, 20E, 20F, 20G **Material Description:** Wall Plaster-smooth **Material Color:** Grey White **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Police Office And Foyer **Total Approximate Quantity:** TBD **Condition:** Good **Material Type:** Surfacing **NESHAP Category:** N/A **Notes:** Not Applicable	

TRC | mobile data solutions

LYNCHBURG – SUSPECT ASBESTOS CONTAINING MATERIALS PHOTOGRAPHIC LOG

Sample Numbers: 21A, 21B, 21C **Material Description:** Ceiling Tile 1' X 1' **Material Color:** Tan White **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Negative **Asbestos Type:** No Asbestos Detected **Homogeneous Area:** Basement **Total Approximate Quantity:** TBD **Condition:** Good **Material Type:** Misc. **NESHAP Category:** N/A **Notes:** Not Applicable	
Sample Numbers: 22A, 22B, 22C **Material Description:** Vinyl Floor Tile With Black Mastic 9" X 9" **Material Color:** Black Brown **Accessible Material:** Accessible **Reason Inaccessible:** N/A **Asbestos Detected:** Positive **Asbestos Type:** Pending **Homogeneous Area:** Basement **Total Approximate Quantity:** TBD **Condition:** Good **Material Type:** Misc. **NESHAP Category:** Cat II **Notes:** Not Applicable	

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LYNCHBURG – LEAD CONTAINING PAINT PHOTOGRAPHIC LOG

Sample Numbers: PB-1 **Sample Location:** Sanctuary Hallway **Description:** Off-white Wall Paint **Laboratory Result (%):**2.2 **Substrate:** Plaster **Paint Locations:** Sanctuary Hallway **Quantity of Deteriorated Paint (SF):** 1,000	
Sample Numbers: PB-2 **Sample Location:** Former Office **Description:** White Wall Paint **Laboratory Result (%):**0.15 **Substrate:** Plaster **Paint Locations:** Former Office **Quantity of Deteriorated Paint (SF):** 500	
Sample Numbers: PB-3 **Sample Location:** Door To Boiler Room **Description:** Red Door Paint **Laboratory Result (%):**13 **Substrate:** Wood **Paint Locations:** Door To Boiler Room **Quantity of Deteriorated Paint (SF):** 20	

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LYNCHBURG – LEAD CONTAINING PAINT PHOTOGRAPHIC LOG

Sample Numbers: PB-4
Sample Location: Boiler Room Window
Description: Tan Window Paint
Laboratory Result (%):11
Substrate: Wood
Paint Locations: Boiler Room Window
Quantity of Deteriorated Paint (SF): 20

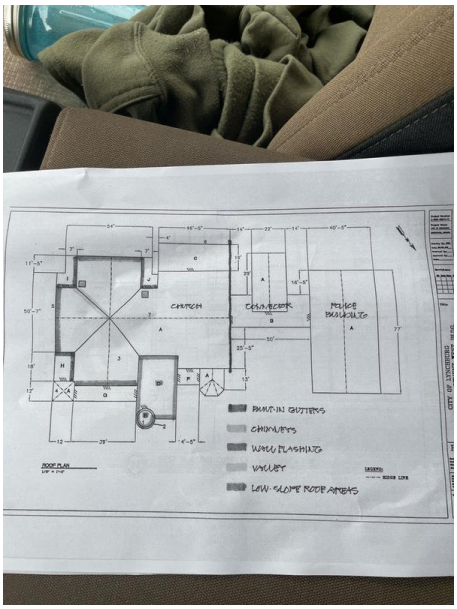
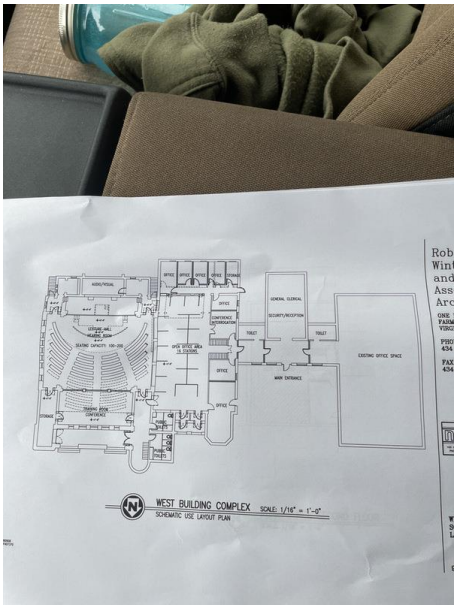
LYNCHBURG – OVERVIEW PHOTOGRAPHIC LOG

LYNCHBURG – OVERVIEW PHOTOGRAPHIC LOG

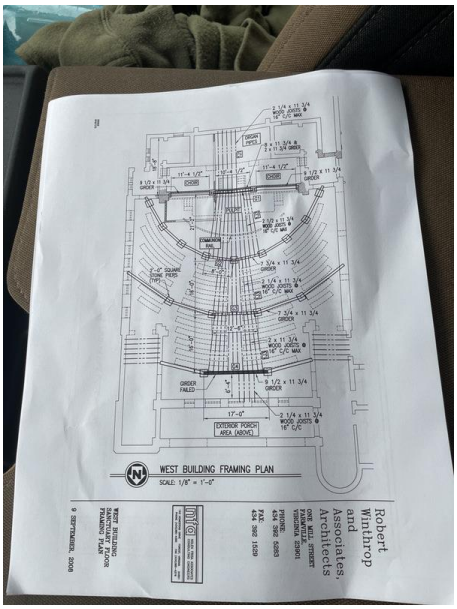
LYNCHBURG – OVERVIEW PHOTOGRAPHIC LOG

LYNCHBURG – OVERVIEW PHOTOGRAPHIC LOG

LYNCHBURG – SAMPLE LOCATION MAPS

	**Note:** N/A
	**Note:** N/A

LYNCHBURG – SAMPLE LOCATION MAPS



Note: N/A

Appendix C – Laboratory Results and Chain of Custody

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012413872
LIMS Reference ID: AC13872
EMSL Customer ID: ENVC52

Attention: Andre Steuer
TRC Environmental Corp. - West Region [ENVC52]
4747 N 7th Street, Suite 422
Phoenix, AZ 85014
(602) 266-8288
asteuer@trccompanies.com

Project Name: City of Lynchburg - 519073
Customer PO:
EMSL Sales Rep: Randy Cavadini
Received: 04/16/2024 09:30
Reported: 04/18/2024 18:56

Analytical Results

Analyte	Results	RL	Weight(g)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: PB-1/Sanctuary Hallway									**Date Sampled: 04/15/24**
Matrix: Chips									**LIMS Reference ID: AC13872-01**
Lead	2.2 % wt	0.078 % wt	0.2562	04/17/24 NP2	SW-846 3050B	04/18/24 PMx	SW846-7000B	D	10
	Sample Comments:								
Client Sample ID: PB-2/Former Office									**Date Sampled: 04/15/24**
Matrix: Chips									**LIMS Reference ID: AC13872-02**
Lead	0.15 % wt	0.008 % wt	0.2655	04/17/24 NP2	SW-846 3050B	04/18/24 PMx	SW846-7000B		1
	Sample Comments:								
Client Sample ID: PB-3/Door to Boiler Room									**Date Sampled: 04/15/24**
Matrix: Chips									**LIMS Reference ID: AC13872-03**
Lead	13 % wt	0.74 % wt	0.2701	04/17/24 NP2	SW-846 3050B	04/18/24 PMx	SW846-7000B	D	100
	Sample Comments:								
Client Sample ID: PB-4/Boiler Room Window									**Date Sampled: 04/15/24**
Matrix: Chips									**LIMS Reference ID: AC13872-04**
Lead	11 % wt	0.90 % wt	0.2211	04/17/24 NP2	SW-846 3050B	04/18/24 PMx	SW846-7000B	D	100
	Sample Comments:								

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Project Name: City of Lynchburg - 519073
Customer PO:
EMSL Sales Rep: Randy Cavadini
Received: 04/16/2024 09:30
Reported: 04/18/2024 18:56

Certified Analyses included in this Report

Analyte	Certifications
SW846-7000B in Chips	
Lead	AIHA LAP

List of Certifications

Code	Description	Number	Expires
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2024
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
NYSDOH	New York State Department of Health	10872	04/01/2025
California ELAP	California Water Boards	1877	06/30/2024
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2024
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2024
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2024

Please see the specific Field of Testing (FOT) on www.emsl.com <http://www.emsl.com> for a complete listing of parameters for which EMSL is certified.

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
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EMSL-CIN-01

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Project Name: City of Lynchburg - 519073
Customer PO:
EMSL Sales Rep: Randy Cavadini
Received: 04/16/2024 09:30
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Notes and Definitions

Item	Definition
C	>4x Spike
D	Analyte was reported from a dilution run.
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
Q	Qualifier
RL	Reporting Limit

For paint chips, the RL is 0.008% by wt. (equiv. to 80 mg/kg, or ppm) based upon a minimum sample weight of 0.25 grams.

For soils, the RL is 40 mg/kg (ppm) based upon a minimum sample weight of 0.5 grams.

For dust wipes, the RL is 10 µg/wipe; reporting units of µg/sq. ft. are not validated by the lab based upon data provided by non-lab personnel.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

EMSL maintains liability limited to coast of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. QC sample results are within quality control criteria and met method specifications unless otherwise noted.

Analysis following EMSL SOP for the Determination of Environmental Lead by FLAA. The laboratory has a reporting limit of 0.008% by wt., based upon a minimum sample weight of 0.25g submitted to the lab, and is not responsible for any result or reporting limit provided in mg/cm2 since it is dependent upon an area value provided by non-lab personnel. A "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty and definitions of modifications are available upon request. Results in this report are not blank corrected unless specified.

AC13872

TRC

LEAD CONTAINING PAINT BULK SAMPLE CHAIN OF CUSTODY FORM

Client: City of Lynchburg	Project Number: TBD 519073	Sampling Technician:
Project Name: Lynchburg	Tracking Number:	Requested TAT: 3-DAY

LEAD CONTAINING PAINT BULK SAMPLE INFORMATION

Sample Date	Sample Identification	Material Description	Substrate	Sample Location	Lab Identification (Lab Use Only)
04/11/24	PB-1	Off-white Wall Paint	Plaster	Sanctuary hallway	
04/11/24	PB-2	White Wall Paint	Plaster	Former office	
04/11/24	PB-3	Red Door Paint	Wood	Door to boiler room	
04/12/24	PB-4	Tan Window Paint	Wood	Boiler room window	

Special Instruction to Laboratory:
N/A

CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION

Delivery Method: / Relinquished By:	Date and Time	Received By:	Date and Time
(Print): Andie Steuer	4-15-24	(Print):	
(Sign):		(Sign):	
(Print):		(Print):	
(Sign):		(Sign):	
Email Results To: ASteuer@trccompanies.com	**Analytical Method:** Lead Chips SW846-7000B	**Lab Comments:**	

4 days

AC13872

TRC

LEAD CONTAINING PAINT BULK SAMPLE CHAIN OF CUSTODY FORM

Client: City of Lynchburg	Project Number: TBD 519073	Sampling Technician:
Project Name: Lynchburg	Tracking Number:	Requested TAT: 3-DAY

LEAD CONTAINING PAINT BULK SAMPLE INFORMATION

Sample Date	Sample Identification	Material Description	Substrate	Sample Location	Lab Identification (Lab Use Only)
04/11/24	PB-1	Off-white Wall Paint	Plaster	Sanctuary hallway	
04/11/24	PB-2	White Wall Paint	Plaster	Former office	
04/11/24	PB-3	Red Door Paint	Wood	Door to boiler room	
04/12/24	PB-4	Tan Window Paint	Wood	Boiler room window	

Special Instruction to Laboratory:
N/A

CHAIN OF CUSTODY INFORMATION AND LABORATORY INFORMATION

Delivery Method: / Relinquished By:	Date and Time	Received By:	Date and Time
(Print): Andie Steuer	4-15-24	(Print):	
(Sign):		(Sign):	
(Print):		(Print):	
(Sign):		(Sign):	
Email Results To: ASteuer@trccompanies.com	**Analytical Method:** Lead Chips SW846-7000B	**Lab Comments:**	

4 days

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042407776
Customer ID:	TRCE51
Customer PO:	519073
Project ID:	

Attention:	Andre Steuer	**Phone:**	(212) 221-7822
	TRC Environmental Corporation	**Fax:**	(212) 221-7840
	1407 Broadway	**Received Date:**	04/16/2024 9:30 AM
	Suite 3301	**Analysis Date:**	04/16/2024 - 04/18/2024
	New York, NY 10018	**Collected Date:**	04/11/2024 - 04/12/2024
Project:	519073 / City of Lynchburg / 801 Court St., Lynchburg, VA 24504		

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1A-Floor Tile *042407776-0001*	Sanctuary Hallway - Vinyl Floor Tile - 9"x9"- Black/Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1A-Mastic *042407776-0001A*	Sanctuary Hallway - Black Mastic	Black Fibrous Homogeneous	60% Cellulose 10% Synthetic	30% Non-fibrous (Other)	None Detected
1B-Floor Tile *042407776-0002*	Sanctuary Hallway - Vinyl Floor Tile - 9"x9"- Black/Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1B-Mastic *042407776-0002A*	Sanctuary Hallway - Black Mastic	Black Fibrous Homogeneous	60% Cellulose 10% Synthetic	30% Non-fibrous (Other)	None Detected
1C-Floor Tile *042407776-0003*	Sanctuary Hallway - Vinyl Floor Tile - 9"x9"- Black/Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1C-Mastic *042407776-0003A* *Result includes a small amount of inseparable attached material*	Sanctuary Hallway - Black Mastic	Brown/Black Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
2A-Plaster *042407776-0004*	Sanctuary Hallway - Ceiling Plaster - Tan/White	Tan Fibrous Homogeneous	1% Cellulose 3% Hair	96% Non-fibrous (Other)	None Detected
2A-Skim Coat *042407776-0004A*	Sanctuary Hallway - Ceiling Plaster - Tan/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2B-Plaster *042407776-0005*	Sanctuary Hallway - Ceiling Plaster - Tan/White	Tan Fibrous Homogeneous	1% Cellulose 3% Hair	96% Non-fibrous (Other)	None Detected
2B-Skim Coat *042407776-0005A*	Sanctuary Hallway - Ceiling Plaster - Tan/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2C-Plaster *042407776-0006*	Sanctuary Hallway - Ceiling Plaster - Tan/White	Gray Fibrous Homogeneous	2% Cellulose 3% Hair	2% Vermiculite 93% Non-fibrous (Other)	None Detected
2C-Skim Coat *042407776-0006A*	Sanctuary Hallway - Ceiling Plaster - Tan/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2C-Texture *042407776-0006B*	Sanctuary Hallway - Ceiling Plaster - Tan/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3A-Glue *042407776-0007*	Sanctuary - Carpet Glue - Brown	Brown Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
3A-Glue 2 *042407776-0007A*	Sanctuary - Carpet Glue	Yellow Non-Fibrous Homogeneous	30% Synthetic	70% Non-fibrous (Other)	None Detected
3A-Foam *042407776-0007B*	Sanctuary - Foam	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 04/18/2024 13:09:15

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042407776
Customer ID:	TRCE51
Customer PO:	519073
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
3B-Glue *042407776-0008*	Sanctuary - Carpet Glue - Brown	Brown Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
3B-Glue 2 *042407776-0008A*	Sanctuary - Carpet Glue	Yellow Fibrous Homogeneous	30% Synthetic	70% Non-fibrous (Other)	None Detected
3B-Foam *042407776-0008B*	Sanctuary - Foam	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3C-Glue *042407776-0009* *Result includes a small amount of inseparable attached material*	Sanctuary - Carpet Glue - Brown	Brown Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
3C-Glue 2 *042407776-0009A* *Result includes a small amount of inseparable attached material*	Sanctuary - Carpet Glue	Yellow Non-Fibrous Heterogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected
3C-Foam *042407776-0009B*	Sanctuary - Faom	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4A-Plaster *042407776-0010*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
4A-Texture *042407776-0010A*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan/White/Green Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
4B-Plaster *042407776-0011*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
4B-Texture *042407776-0011A*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan/White/Green Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
4C-Plaster *042407776-0012*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
4C-Texture *042407776-0012A*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan/White/Green Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
4D-Plaster *042407776-0013*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4D-Texture *042407776-0013A*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan/White/Green Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
4E-Plaster *042407776-0014*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4E-Texture *042407776-0014A*	Sanctuary & Gym - Wall Plaster -Textured - Tan	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5A *042407776-0015*	Electrical Room - Linoleum - Tan	Tan Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
5B *042407776-0016*	Electrical Room - Linoleum - Tan	Tan Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected

Initial report from: 04/18/2024 13:09:15

EMSL Analytical, Inc.
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Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042407776
Customer ID:	TRCE51
Customer PO:	519073
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
5C *042407776-0017*	Electrical Room - Linoleum - Tan	Gray/Tan Fibrous Homogeneous	30% Cellulose 5% Glass	65% Non-fibrous (Other)	None Detected
6A-Linoleum *042407776-0018*	Former Office - Linoleum - Brown/Green	Brown/Gray Fibrous Homogeneous	15% Cellulose	70% Non-fibrous (Other)	15% Chrysotile
6A-Mastic *042407776-0018A* *Result includes a small amount of inseparable attached material*	Former Office - Mastic	Gray/Tan Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (Other)	<1% Chrysotile
6B-Linoleum *042407776-0019*	Former Office - Linoleum - Brown/Green	Brown/Gray Fibrous Homogeneous	15% Cellulose	70% Non-fibrous (Other)	15% Chrysotile
6B-Mastic *042407776-0019A* *Result includes a small amount of inseparable attached material*	Former Office - Mastic	Gray/Tan Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (Other)	<1% Chrysotile
6C-Linoleum *042407776-0020*	Former Office - Linoleum - Brown/Green	Brown/Green Non-Fibrous Homogeneous	15% Cellulose	65% Non-fibrous (Other)	20% Chrysotile
6C-Mastic *042407776-0020A*	Former Office - Mastic	Yellow Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	<1% Chrysotile
7A-Floor Tile *042407776-0021*	Office Hallway - Vinyl Floor Tile - 9"x9" Black/Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7A-Mastic *042407776-0021A* *Result includes a small amount of inseparable attached material*	Office Hallway - Black Mastic	Brown/Black Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
7B-Floor Tile *042407776-0022*	Office Hallway - Vinyl Floor Tile - 9"x9" Black/Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7B-Mastic *042407776-0022A* *Result includes a small amount of inseparable attached material*	Office Hallway - Black Mastic	Brown/Black Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
7C-Floor Tile *042407776-0023*	Office Hallway - Vinyl Floor Tile - 9"x9" Black/Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7C-Mastic *042407776-0023A*	Office Hallway - Black Mastic	Black Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
8A *042407776-0024*	Former Office Walls - Waterproofing - Black	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
8B *042407776-0025*	Former Office Walls - Waterproofing - Black	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
8C *042407776-0026*	Former Office Walls - Waterproofing - Black	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
9A-Tile *042407776-0027*	Storage Room - Vinyl Floor Tile - 9'x9" Black/Green	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
9A-Mastic *042407776-0027A*	Storage Room - Black Mastic	Brown/Tan/Black Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected

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EMSL Order:	042407776
Customer ID:	TRCE51
Customer PO:	519073
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
Result includes a small amount of inseparable attached material					
9B-Tile *042407776-0028*	Storage Room - Vinyl Floor Tile - 9'x9" Black/Green	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
9B-Mastic *042407776-0028A*	Storage Room - Black Mastic	Brown/Tan/Black Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
9C-Tile *042407776-0029*	Storage Room - Vinyl Floor Tile - 9'x9" Black/Green	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
9C-Mastic *042407776-0029A*	Storage Room - Black Mastic	Black Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
10A *042407776-0030*	Storage Room - Second Layer Flooring under Green Tiles - Brown	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
10B *042407776-0031*	Storage Room - Second Layer Flooring under Green Tiles - Brown	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
10C *042407776-0032*	Storage Room - Second Layer Flooring under Green Tiles - Brown	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
11A-Plaster *042407776-0033*	Boiler Room - Textured Plaster over Drywall - Brown/Gray	Brown Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
11A-Drywall *042407776-0033A*	Boiler Room - Textured Plaster over Drywall - Brown/Gray	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
11B-Plaster *042407776-0034*	Boiler Room - Textured Plaster over Drywall - Brown/Gray	Brown Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
11B-Drywall *042407776-0034A*	Boiler Room - Textured Plaster over Drywall - Brown/Gray	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
11C-Plaster *042407776-0035*	Boiler Room - Textured Plaster over Drywall - Brown/Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11C-Drywall *042407776-0035A*	Boiler Room - Textured Plaster over Drywall - Brown/Gray	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
12A *042407776-0036*	Boiler Room - Pipe Run Airocell - Gray/White	Gray/White Fibrous Homogeneous	50% Cellulose	10% Non-fibrous (Other)	40% Chrysotile
12B *042407776-0037*	Boiler Room - Pipe Run Airocell - Gray/White	Gray/White Fibrous Homogeneous	50% Cellulose	10% Non-fibrous (Other)	40% Chrysotile
12C *042407776-0038*	Boiler Room - Pipe Run Airocell - Gray/White	White Fibrous Homogeneous	30% Cellulose	20% Non-fibrous (Other)	50% Chrysotile
13A *042407776-0039*	Boiler Room - Pipe Elbow - Gray	Gray Fibrous Homogeneous	70% Min. Wool	15% Non-fibrous (Other)	15% Chrysotile

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
13B *042407776-0040*	Boiler Room - Pipe Elbow - Gray	Gray Fibrous Homogeneous	70% Min. Wool	15% Non-fibrous (Other)	15% Chrysotile
13C *042407776-0041*	Boiler Room - Pipe Elbow - Gray	Gray Fibrous Homogeneous	80% Min. Wool	5% Non-fibrous (Other)	15% Chrysotile
14A *042407776-0042*	HVAC Room - Waterproofing - Black	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
14B *042407776-0043*	HVAC Room - Waterproofing - Black	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
14C *042407776-0044*	HVAC Room - Waterproofing - Black	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
18A-Floor Tile *042407776-0045*	Office Foyer - Vinyl Floor Tile - 12"x12" -White/Yellow	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18A-Adhesive *042407776-0045A*	Office Foyer - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18A-Mastic *042407776-0045B*	Office Foyer - Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18A-Tar Paper *042407776-0045C*	Office Foyer - Tar Paper	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
18B-Floor Tile *042407776-0046*	Office Foyer - Vinyl Floor Tile - 12"x12" -White/Yellow	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18B-Adhesive *042407776-0046A*	Office Foyer - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18C-Floor Tile *042407776-0047*	Office Foyer - Vinyl Floor Tile - 12"x12" -White/Yellow	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18C-Adhesive *042407776-0047A*	Office Foyer - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19A-Floor Tile *042407776-0048*	Office Foyer - Vinyl Floor Tile - 12"x12" -White/Yellow	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19A-Adhesive *042407776-0048A*	Office Foyer - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19A-Leveler *042407776-0048B*	Office Foyer - Leveler	Brown/Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
19B-Floor Tile *042407776-0049*	Office Foyer - Vinyl Floor Tile - 12"x12" - Brown/Yellow	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19B-Adhesive *042407776-0049A*	Office Foyer - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19B-Leveler *042407776-0049B*	Office Foyer - Leveler	Brown/Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
19C-Floor Tile *042407776-0050*	Office Foyer - Vinyl Floor Tile - 12"x12" - Brown/Yellow	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19C-Adhesive *042407776-0050A*	Office Foyer - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15A *042407776-0051*	Boiler Room Window - Window Glazing - Tan	Tan Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
15B *042407776-0052*	Boiler Room Window - Window Glazing - Tan	Tan Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
15C *042407776-0053*	Boiler Room Window - Window Glazing - Tan	Tan Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
16A-Cove Base *042407776-0054*	Gym - Cove Base - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16A-Adhesive *042407776-0054A*	Gym - Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16B-Cove Base *042407776-0055*	Gym - Cove Base - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16B-Adhesive *042407776-0055A*	Gym - Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16C-Cove Base *042407776-0056*	Gym - Cove Base - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16C-Adhesive *042407776-0056A*	Gym - Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17A-Linoleum *042407776-0057*	Police Office - Linoluem under Carpet Squares - White/Yellow	Gray/White Fibrous Homogeneous	10% Cellulose	75% Non-fibrous (Other)	15% Chrysotile
17A-Mastic *042407776-0057A*	Police Office - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17B-Linoleum *042407776-0058*	Police Office - Linoluem under Carpet Squares - White/Yellow	Gray/White Fibrous Homogeneous	10% Cellulose	75% Non-fibrous (Other)	15% Chrysotile
17B-Mastic *042407776-0058A*	Police Office - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17C-Linoleum *042407776-0059*	Police Office - Linoluem under Carpet Squares - White/Yellow	White Non-Fibrous Homogeneous	20% Cellulose	65% Non-fibrous (Other)	15% Chrysotile
17C-Mastic *042407776-0059A*	Police Office - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20A *042407776-0060*	Police Offices & Foyer - Wall Plaster - Gray/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
20B *042407776-0061*	Police Offices & Foyer - Wall Plaster - Gray/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20C *042407776-0062*	Police Offices & Foyer - Wall Plaster - Gray/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20D *042407776-0063*	Police Offices & Foyer - Wall Plaster - Gray/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20E *042407776-0064*	Police Offices & Foyer - Wall Plaster - Gray/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20F *042407776-0065*	Police Offices & Foyer - Wall Plaster - Gray/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20G *042407776-0066*	Police Offices & Foyer - Wall Plaster - Gray/White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21A *042407776-0067*	Basement - Ceiling Tile - 1'x1' - Tan/White	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
21B *042407776-0068*	Basement - Ceiling Tile - 1'x1' - Tan/White	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
21C *042407776-0069*	Basement - Ceiling Tile - 1'x1' - Tan/White	Brown Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
22A-Floor Tile *042407776-0070*	Basement - Vinyl Floor Tile - 9"x9" - Black/Brown	Brown Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
22A-Mastic *042407776-0070A*	Basement - Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22B-Floor Tile *042407776-0071*	Basement - Vinyl Floor Tile - 9"x9" - Black/Brown	Brown Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
22B-Mastic *042407776-0071A*	Basement - Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22CFloor Tile *042407776-0072*	Basement - Vinyl Floor Tile - 9"x9" - Black/Brown	Brown Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
22C-Mastic *042407776-0072A*	Basement - Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Analyst(s)

Brett Polumbo (70)
Sean Dyson (10)
Trinh Tran (24)
Amiri Lewis (17)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, PA ID# 68-00367, LA #04127

Initial report from: 04/18/2024 13:09:15

042407776

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Client: City of Lynchburg	Project Number: TBD 519073	Sampling Technician: Mobile App: BSI - HAZMAT Survey
Project Name: Lynchburg 801 Court St Lynchburg Lynchburg VA 24504 US	Tracking Number:	Requested TAT: 3-DAY

ASBESTOS BULK SAMPLE INFORMATION

Sample Date	Sample Identification	Material Description	Homogeneous Area	Sample Location	Lab Identification (Lab Use Only)
04/11/24	1A	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Tan	Sanctuary Hallway	Sanctuary hallway	
04/11/24	1B	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Tan	Sanctuary Hallway	Sanctuary hallway	
04/11/24	1C	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Tan	Sanctuary Hallway	Sanctuary hallway	
04/11/24	2A	Ceiling Plaster , Tan, White	Sanctuary Hallway	Sanctuary hallway	
04/11/24	2B	Ceiling Plaster , Tan, White	Sanctuary Hallway	Sanctuary hallway	
04/11/24	2C	Ceiling Plaster , Tan, White	Sanctuary Hallway	Sanctuary hallway	
04/11/24	3A	Carpet glue , Brown	Sanctuary	Sanctuary	
04/11/24	3B	Carpet glue , Brown	Sanctuary	Sanctuary	
04/11/24	3C	Carpet glue , Brown	Sanctuary	Sanctuary	
04/11/24	4A	Wall plaster-textured , Tan	Sanctuary And Gym	Sanctuary and gym	
04/11/24	4B	Wall plaster-textured , Tan	Sanctuary And Gym	Sanctuary and gym	
04/11/24	4C	Wall plaster-textured , Tan	Sanctuary And Gym	Sanctuary and gym	
04/11/24	4D	Wall plaster-textured , Tan	Sanctuary And Gym	Sanctuary and gym	
04/11/24	4E	Wall plaster-textured , Tan	Sanctuary And Gym	Sanctuary and gym	

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04/11/24	5A	Linoleum , Tan	Electrical Room	Electrical room	
04/11/24	5B	Linoleum , Tan	Electrical Room	Electrical room	
04/11/24	5C	Linoleum , Tan	Electrical Room	Electrical room	
04/11/24	6A	Linoleum , Brown, Green	Former Office	Former office	
04/11/24	6B	Linoleum , Brown, Green	Former Office	Former office	
04/11/24	6C	Linoleum , Brown, Green	Former Office	Former office	
04/11/24	7A	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Brown	Office Hallway	Office hallway	
04/11/24	7B	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Brown	Office Hallway	Office hallway	
04/11/24	7C	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Brown	Office Hallway	Office hallway	
04/11/24	8A	Waterproofing, Black	Former Office Walls	Former office	
04/11/24	8B	Waterproofing, Black	Former Office Walls	Former office	
04/11/24	8C	Waterproofing, Black	Former Office Walls	Former office	
04/11/24	9A	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Green	Storage Room	Storage room	
04/11/24	9B	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Green	Storage Room	Storage room	
04/11/24	9C	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Green	Storage Room	Storage room	
04/11/24	10A	Second layer flooring under green tiles , Brown	Storage Room	Storage room	
04/11/24	10B	Second layer flooring under green tiles , Brown	Storage Room	Storage room	
04/11/24	10C	Second layer flooring under green tiles , Brown	Storage Room	Storage room	
04/11/24	11A	Textured plaster over drywall , Brown, Grey	Boiler Room	Boiler room	
04/11/24	11B	Textured plaster over drywall , Brown, Grey	Boiler Room	Boiler room	
04/11/24	11C	Textured plaster over drywall , Brown, Grey	Boiler Room	Boiler room	
04/11/24	12A	Pipe run - Airocell , Grey, White	Boiler Room	Boiler room	
04/11/24	12B	Pipe run - Airocell , Grey, White	Boiler Room	Boiler room	

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04/11/24	12C	Pipe run - Airocell , Grey, White	Boiler Room	Boiler room	
04/11/24	13A	Pipe elbow , Grey	Boiler Room	Boiler room	
04/11/24	13B	Pipe elbow , Grey	Boiler Room	Boiler room	
04/11/24	13C	Pipe elbow , Grey	Boiler Room	Boiler room	
04/11/24	14A	Waterproofing, Black	N/A	HVAC room	
04/11/24	14B	Waterproofing, Black	N/A	HVAC room	
04/11/24	14C	Waterproofing, Black	N/A	HVAC room	
04/12/24	18A	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", White, Yellow	Office Foyer	Office foyer	
04/12/24	18B	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", White, Yellow	Office Foyer	Office foyer	
04/12/24	18C	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", White, Yellow	Office Foyer	Office foyer	
04/12/24	19A	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", Brown, Yellow	Office Foyer	Office foyer	
04/12/24	19B	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", Brown, Yellow	Office Foyer	Office foyer	
04/12/24	19C	Vinyl Floor Tile, with Yellow Adhesive, 12" x 12", Brown, Yellow	Office Foyer	Office foyer	
04/12/24	15A	Window glazing , Tan	Boiler Room Window	Boiler room window	
04/12/24	15B	Window glazing , Tan	Boiler Room Window	Boiler room window	
04/12/24	15C	Window glazing , Tan	Boiler Room Window	Boiler room window	
04/12/24	16A	Cove Base, with Adhesive, Black	Gym	Gym	
04/12/24	16B	Cove Base, with Adhesive, Black	Gym	Gym	
04/12/24	16C	Cove Base, with Adhesive, Black	Gym	Gym	
04/12/24	17A	Linoleum under carpet squares , White, Yellow	Police Office	Police office	
04/12/24	17B	Linoleum under carpet squares , White, Yellow	Police Office	Police office	
04/12/24	17C	Linoleum under carpet squares , White, Yellow	Police Office	Police office	
04/12/24	20A	Wall plaster-smooth , Grey, White	Police Office And Foyer	Police offices and foyer	

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04/12/24	20B	Wall plaster-smooth , Grey, White	Police Office And Foyer	Police offices and foyer	
04/12/24	20C	Wall plaster-smooth , Grey, White	Police Office And Foyer	Police offices and foyer	
04/12/24	20D	Wall plaster-smooth , Grey, White	Police Office And Foyer	Police offices and foyer	
04/12/24	20E	Wall plaster-smooth , Grey, White	Police Office And Foyer	Police offices and foyer	
04/12/24	20F	Wall plaster-smooth , Grey, White	Police Office And Foyer	Police offices and foyer	
04/12/24	20G	Wall plaster-smooth , Grey, White	Police Office And Foyer	Police offices and foyer	
04/12/24	21A	Ceiling Tile, 1' x 1', Tan, White	Basement	Basement	
04/12/24	21B	Ceiling Tile, 1' x 1', Tan, White	Basement	Basement	
04/12/24	21C	Ceiling Tile, 1' x 1', Tan, White	Basement	Basement	
04/12/24	22A	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Brown	Basement	Basement	
04/12/24	22B	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Brown	Basement	Basement	
04/12/24	22C	Vinyl Floor Tile, with Black Mastic, 9" x 9", Black, Brown	Basement	Basement	

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Special Instruction to Laboratory:
N/A

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72

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Appendix D – Certifications

COMMONWEALTH of VIRGINIA

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01-31-2025

NUMBER
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SHEPHERDSTOWN, WV 25443-0000

DPOR

Kishore S. Thota, Director

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Appendix A – April 11, 2017 West Building Stabilization Study by Moseley Architects

City of Lynchburg

West Building Stabilization Study

FINAL REPORT
April 11, 2017

MOSELEYARCHITECTS

City of Lynchburg

West Building Stabilization and Repurposing Study

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PURPOSE AND SCOPE OF STUDY

Moseley Architects was commissioned to investigate the stabilization and possible repurposing of the West Building, located at 805 Court Street, Lynchburg, Virginia. The scope of work for the study is limited to the original 1900s church sanctuary and fellowship hall portion, and does not include the 1940s educational wing addition that is currently occupied by the City of Lynchburg Police Department.

Deficiencies in the existing building conditions were identified through visual, non-invasive on site observation, including the use of an 80-foot lift for exterior investigation of the roof areas, high wall areas, and the bell tower which has been hit by lightning three times. The 1900s portion of the building is primarily vacant and building deterioration has continued since a previous study was conducted in 2008.

This 2017 study identifies current existing conditions, makes recommendations for remediation, and includes preliminary costs for budgeting purposes. If the City chooses to proceed with stabilization and repurposing of the building, additional evaluations including some destructive demolition should be undertaken during the subsequent phases of design to expose elements of the building that are not accessible for evaluation.

The scope of work for this study does not include the discovery, identification, or removal of any hazardous materials such as asbestos, lead paint, PCBs, or toxic molds.

The investigative team performed investigations of the following building systems:

- General architectural assessment (Moseley Architects and Lynchburg Stained Glass)
- Roofing assessment (Craftsman Roofing, Inc.)
- Exterior masonry assessment (Lynchburg Restoration, Inc.)
- General structural evaluations of sanctuary floor, fellowship hall floor, and tower (Moseley Architects)
- Mechanical and plumbing systems evaluation, including potential for temporary cooling facilities for sanctuary area (Moseley Architects)
- Electrical service evaluation and potential for addition of lightning protection system (Moseley Architects)

Record drawings of the original 1900s construction do not exist. Floor plan drawings were developed from the City's AutoCad record drawings from the previous 2008 study, as detailed field measured drawings were not part of the scope of this study. Select photographs are included throughout the report to document current conditions and to supplement narratives. A CD of all photographs taken, along with some video, has been delivered to the City along with this report.

SUMMARY

The overall square footage of the West Building is approximately 23,050 gross square feet, broken down as follows:

1900s Original Structure - Sanctuary and Fellowship Hall:

• Basement (exterior access only)	1,125 SF
• First Floor	9,690 SF
• Second Floor (not including open sanctuary, hall, tower, etc)	1,745 SF
Subtotal	12,560 SF

1940s Addition - Education Wing and Connector:

• Basement:	3,290 SF
• First Floor	4,850 SF
• Second Floor	3,110 SF
Subtotal	11,250 SF
Total	23,810 SF

If a conservative building efficiency factor of 65% is applied to the gross square footage of the 1900s portion, it would be reasonable to expect approximately 8,150 net square feet of usable space could be utilized in a building repurposing. However, the City of Lynchburg Police currently occupy 3,370 net square feet of space in the 1900s fellowship hall portion; therefore, repurposing the 1900s building would only yield a net of approximately 4,780 additional square feet for City use.

The brick and stone work of the entire building, especially on the tower, is in dire need of repair. The majority of the mortar joints of the brick and stone are either missing, severely deteriorated, or extremely soft. Lime mortar joint restoration, recasting/refacing of stonework, and water repellant/ consolidation treatment are needed for such a high percentage of the building that such work should be conducted on the entire building.

Complete re-roofing of the facility is recommended given the extent of masonry repair required at the roofing's intersection with walls, parapets, chimneys and towers, and given that all ridge caps, valley flashings, and counterflashings need replacement, complete re-roofing of the facility is recommended. To go to the expense of roofing and flashing replacement at the tie-in areas only, but to be left with portions of 100-year-old-plus roofing, would be a compromise for the long term.

The building contains a variety of interior and uninsulated exterior wood doors. The doors are in disrepair, have aged hardware, and are not accessible to the disabled. Exterior doors are not insulated. Exterior doors, frames, and hardware should be replaced with insulated doors and fiberglass or clad-wood frames. Any interior doors that could remain in some future repurposed building layout should also be replaced.

The building contains a variety of uninsulated wood windows. The wood window frames contain rot from failed paint and sealant joints. All wood windows should be replaced with insulated units and fiberglass or clad-wood frames.

Approximately 75% of the stained glass windows in the building are bowed and failing, and require re-lead restoration. At this high a percentage, all stained glass should be re-leaded.

The existing church pipe organ originates from Germany, was refurbished in the late 1970s at a cost of approximately $80,000, and may be of interest to collectors of such historical pipe organs.

From the limited visual inspection and site observations, there appear to be no signs of significant structural damage in the existing sanctuary, nave, and fellowship hall. If the building is to be repurposed, a failed first floor girder requires replacement below the nave. Several other girders and joists require reinforcement if the space is to be used. Localized repair of the floor decking in the sanctuary and fellowship hall is also required.

It is very unlikely the existing building will comply with lateral load requirements of the present code. Many factors, including the historic building provisions, change of occupancy, local repairs and alteration level, will affect the structural code requirements. Also, section 1206 for "Historic Buildings" of the 2012 Virginia Rehabilitation Code, allows the local code official to determine any dangerous conditions requiring remediation. Conversations with the local code official about the above factors would be prudent for this type of structure.

The approximately 80' tall church bell tower has suffered lighting strikes three times, destroying the original slate roofing. An attempt to cap off the tower has been made with synthetic building fabric, but this is not watertight. As a result, the intermediate levels of stairs and platforms within the tower have sustained water damage. While the octagonal plan geometry of the tower is self-stabilizing under lateral loading, the floor platforms contribute to the tower's stability. Any building renovation should include the rebuilding of all the intermediate floor platform decking and framing to maximize lateral force resistance of the tower.

The majority of the existing mechanical, electrical, and plumbing systems in the building are abandoned and non-functional. These major systems would require full replacement as part of any future use of the building. A temporary heating system was installed in the building after the previous 2008 study, but roofing and moisture infiltration issues have continued to deteriorate the masonry walls, plaster, and ceilings.

There is the potential to construct approximately 1,755 square feet of additional second floor area in the fellowship hall for office or other similar use. New floor structure, supporting columns, and footings would be required. If this second floor became office use instead of the locker function currently utilized by able-bodied police staff, an elevator would be needed to provide accessibility to the level.

The City is currently conducting another independent study on the future needs of the courts and Police. Given the costs of stabilization and repurposing the West Building, it may be more economically feasible to demolish the building to make way for construction of new efficient facilities designed for their specific purpose. However, the West Building is a contributing structure to the Court House Hill district which is on the National Register of Historic Places. As such, its disposition falls under Lynchburg's Historic Preservation Commission and the Historic Districts Ordinance, as well as the community as a whole.

ARCHITECTURAL

The West Building is a unique property owned by the City of Lynchburg. It was originally constructed as the First Presbyterian Church in 1900, designed by Edward G. Frye, a prominent Lynchburg architect. The exterior is stone and brick with elaborate architectural ornamentation and an impressive tower. Frye was an important Lynchburg architect, and the West Building is regarded the most elaborate of his churches. Later in 1942, an educational wing was added to the west side of the building, designed by local architect J. Everett Fauber. Several renovations have occurred since the west wing was added, but the basic footprint of the building remains that of the two major periods of construction.

The West Building is a contributing structure to Lynchburg's Court House Hill Historic District, which is on the National Register of Historic Places. As such, any renovations or alterations affecting the exterior of the facility fall under the purview of Lynchburg's Historic Preservation Commission and the Historic Districts Ordinance.

The building has no on-site parking, a problem generally associated with older downtown structures. It is, however, immediately adjacent to a city-owned parking deck, and parallel on-street parking exists on Court Street.

The City of Lynchburg Police Department currently occupies the 1942 educational wing and connector, along with the western portion of the 1900s fellowship hall. The main sanctuary portion of the original 1900s construction is currently vacant.

The construction type classification for the original 1900s sanctuary and fellowship hall appears to be Type IIIB (combustible/non-combustible, unprotected). For the 1940s addition and its connector, the construction type classification appears to be Type IIA (non-combustible, unprotected). The original building and the addition are not separated by Fire Walls, therefore the more restrictive construction classification of IIIB would need to apply for the entire building.

If the sanctuary's assembly function was abandoned and the entire building was utilized as office area, the building could be classified as 'B' Business use. Under the 2012 Virginia Rehabilitation Code, with a construction type classification of IIIB, the building would comply being under the 19,000 square foot limit for any floor plate.

If the sanctuary were to continue to be used as an assembly space, such as a community room or lecture hall, the building would be classified as a mixed use of 'A-3' Assembly and 'B' Business. The allowable floor plate for the more stringent 'A-3' Assembly use with a type IIIB construction classification is 9,500 square feet. This could be increased to approximately 15,000 square feet if it can be demonstrated that the building has approximately 55% open perimeter for fire vehicles, which appears achievable. The building could then comply as a "non-separated" mixed use, which is desirable in that fire barriers are not required between uses.

Because of the age and uniqueness of the historic structure, some variances to code requirements would need to be proposed and accepted as part of an adaptive re-use plan.

Handicapped accessibility to the original sanctuary and fellowship hall portions of the building does not exist. Accessibility is presently provided by an exterior ramp to the 1942 connector portion of the building, but further passage into the fellowship hall and sanctuary areas is not accessible because of doorway widths.

The building contains a variety of interior and exterior wood doors, with the majority not accessible because of doorway width, non-lever type hardware, or simply aged inoperable hardware. Exterior doors are not insulated and difficult to operate. The exterior exit door at the building's southeast corner has been nailed and boarded shut, as the exterior stair had deteriorated enough to where it was removed (Figure 6). The sanctuary contains many dual-swing doors, which cannot be latched. In any layout for a repurposed building, it is likely some doors would be demolished, but in any layout all doors, frames and hardware should be new. The building contains a variety of wood windows which are uninsulated. Wood windows should be replaced with insulated units and fiberglass or clad wood frames.

The stained glass windows are geometric patterns of opalescent style glass crafted using lead came techniques. The windows are braced with load bearing wind bars that support the weight of the glass panels and keep the stained glass panels flat. Several of the windows feature operable hopper vents. There is some interior stained glass, as found in the sanctuary partition wall and interior doors/transoms.

The general overall condition of the stained glass is poor. Much of the stained glass exhibits out-of-plane bowing, in spite of the supporting brace bars. The structural lead matrix is brittle and there are many broken solder joints which further weaken the windows. These stained glass window panels are categorized as either "OK" or "Requires Re-lead". This survey addresses each stained glass panel individually. In some cases only a portion of an overall window is identified as "requires re-lead".

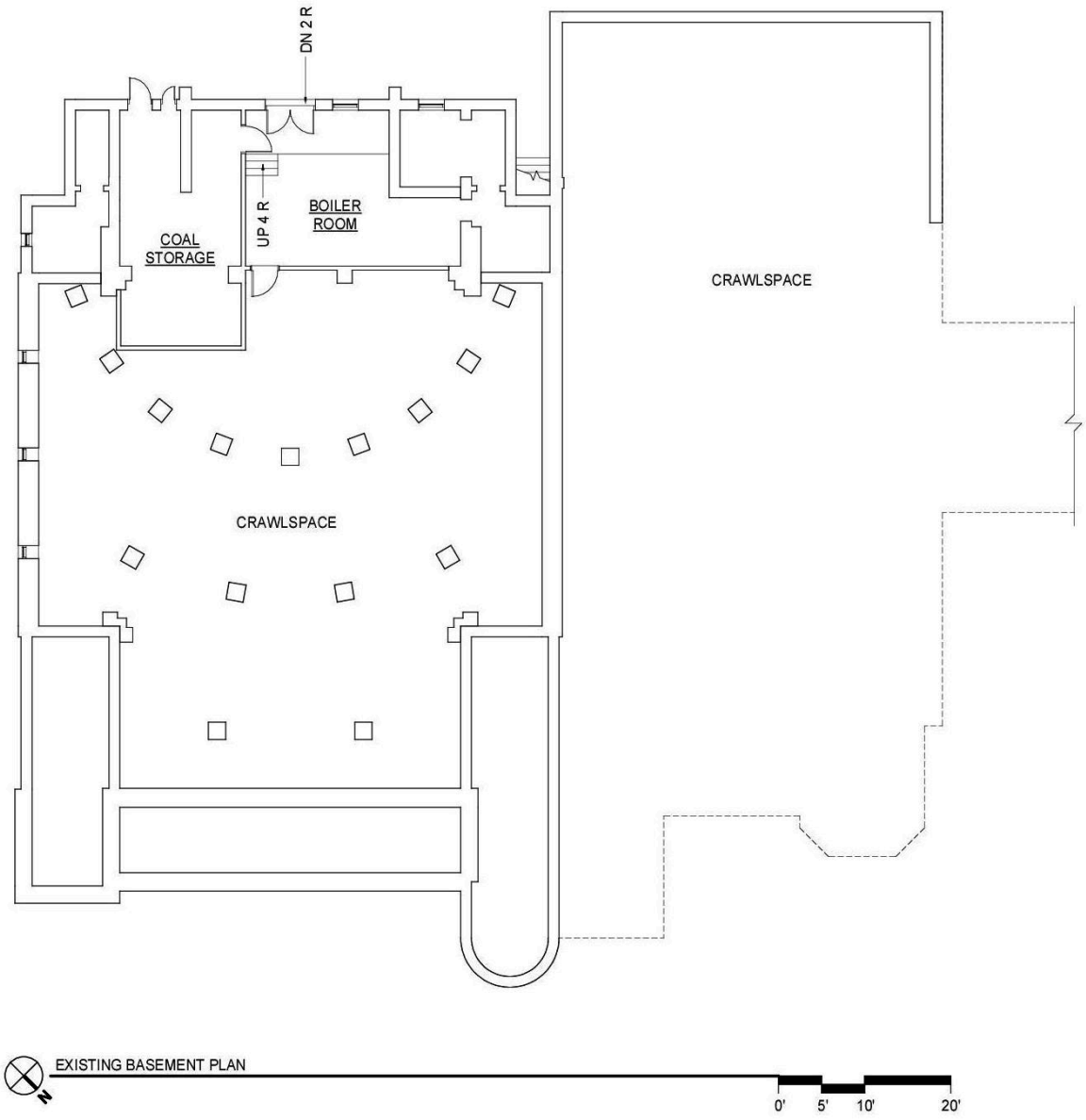
"OK" means that the window is flat (not bowed). Left untouched, this window will serve for 10 to 15 more years without significant maintenance. The lead is brittle but the window is stable in situ as it is confined by the frame/wood sash. If removed from the wood sash for any reason (i.e. rotten wood repairs or resizing to fit a new insulated window frame) the window will require immediate re-lead restoration. Although classified as structurally "OK", the window may still leak due to the loss of waterproofing compound between the lead and glass. The compound tends to fail/fall-out over years of service allowing water to penetrate the panel, especially during a blowing rain event. A storm covering system on the exterior of the stained glass could be considered, but these type exterior systems may not be allowed by the Historic Preservation Committee.

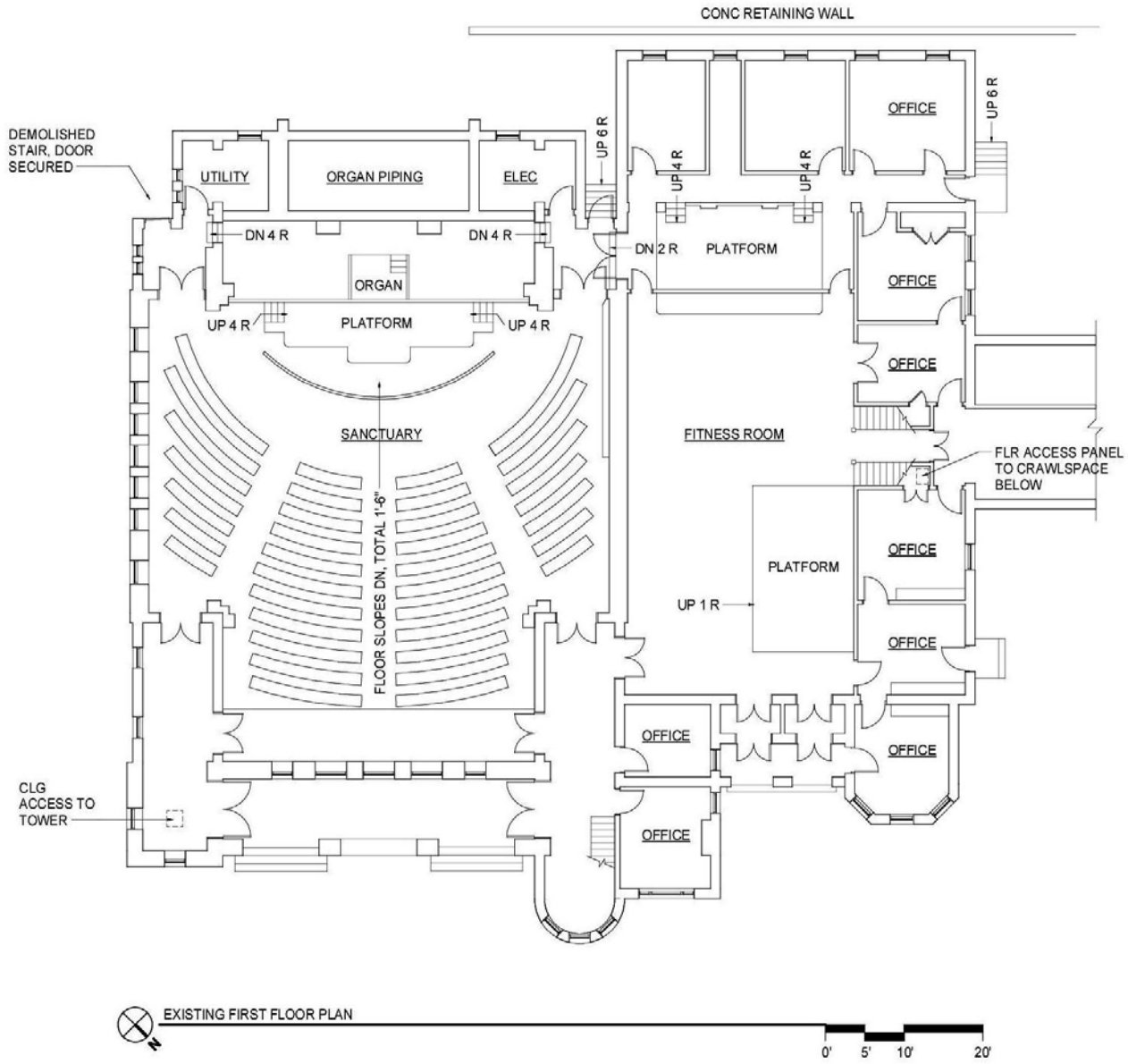
"Requires Re-lead" means that the window is damaged or badly bowed. The repair requires the removal of the stained glass and the complete re-lead restoration of the panels. Each panel will be removed, disassembled, and reassembled with new lead came. The result is a like-new stained glass window that will service for another 100+ years. The windows can be re-installed into the existing wood frame or resized to fit new frames as required. Re-lead window panels are weather tight and would not require storm covering for rain protection.

There is approximately 1,450 square feet of historic stained glass. Approximately 75% (1,100 sf) "Requires Re-lead" restoration. The remaining 25% of the stained glass is "OK" as described above.

The sanctuary floor slopes down a total of 18 inches, so leveling the floor could be achievable for a non-auditorium use. With a leveled floor the former sanctuary could accommodate an open office use and still retain the basic architectural elements of the room. Plaster deterioration occurs throughout the building, an indicator of roofing and flashing failures, and general moisture penetration problems in walls.

EXISTING FLOOR PLANS




CONC RETAINING WALL
DEMOLISHED STAIR, DOOR SECURED
UTILITY
ORGAN PIPING
ELEC
UP 6 R
UP 4 R
UP 4 R
OFFICE
UP 6 R
DN 4 R
DN 4 R
DN 2 R
PLATFORM
ORGAN
UP 4 R
PLATFORM
UP 4 R
OFFICE
OFFICE
SANCTUARY
FITNESS ROOM
FLR ACCESS PANEL TO CRAWLSPACE BELOW
FLOOR SLOPES DN, TOTAL 1'-6"
PLATFORM
UP 1 R
OFFICE
OFFICE
OFFICE
OFFICE
CLG ACCESS TO TOWER
OFFICE
EXISTING FIRST FLOOR PLAN
0'
5'
10'
20'

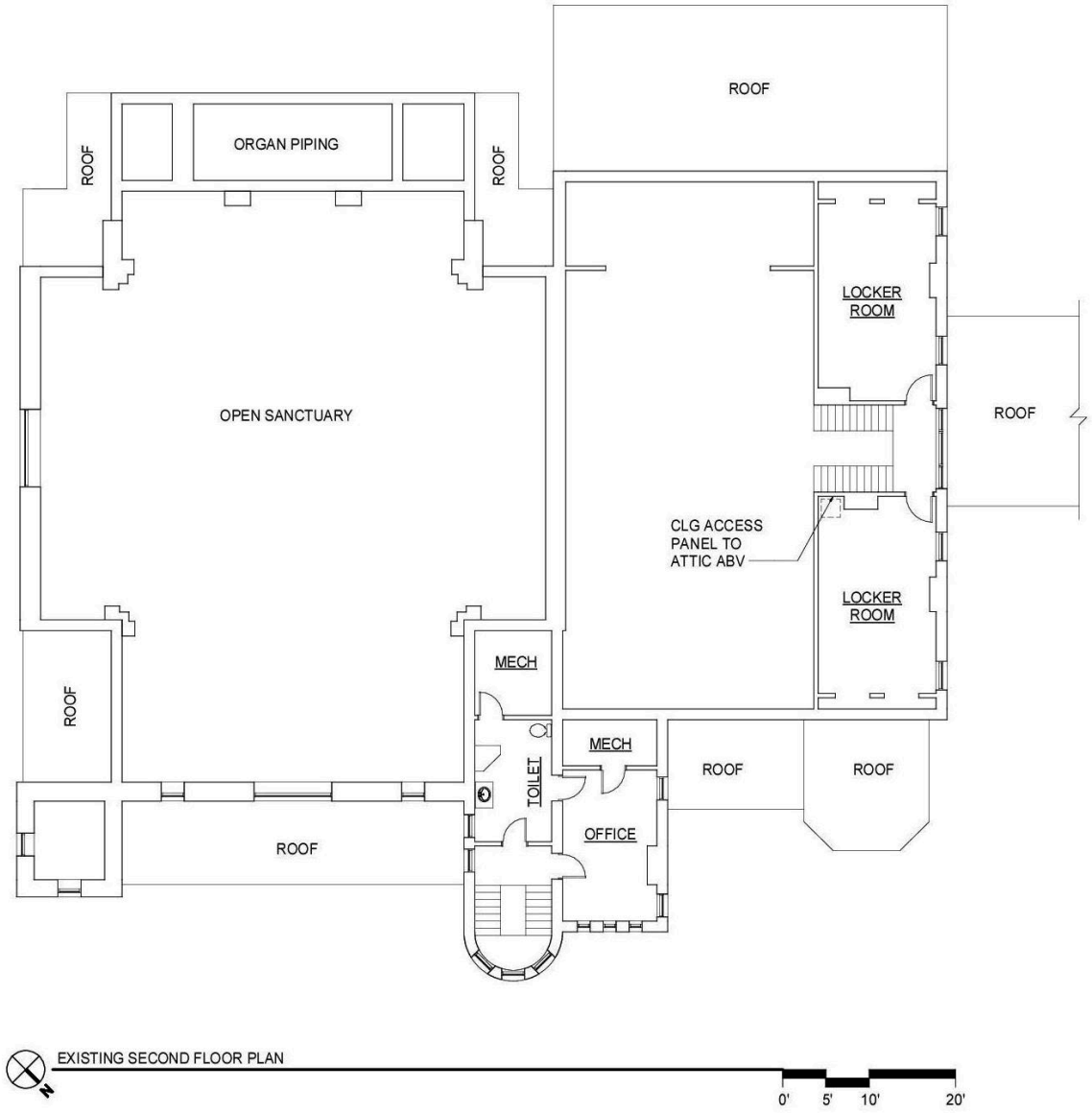

ROOF
ORGAN PIPING
ROOF
ROOF
LOCKER ROOM
OPEN SANCTUARY
ROOF
CLG ACCESS PANEL TO ATTIC ABV
LOCKER ROOM
MECH
ROOF
MECH
TOILET
ROOF
ROOF
OFFICE
ROOF
EXISTING SECOND FLOOR PLAN
0'
5'
10'
20'

Figure 1. North elevation

Figure 2. North elevation

Figure 3. East elevation

Figure 4. South elevation

Figure 5. Fallen broken slate on recently installed roof membrane.

Figure 6. Removed exit stair; exit door boarded shut on interior.

Figure 7. Partial metal fascia replacement.

Figure 8. Temporary roof downspout routing. Typical deep staining of buff facebrick.

Figure 9. Attempt at repointing brick masonry without matching materials.

Figure 10. Typical cast stone sill spalling with attempt to repoint brick masonry.

Figure 11. Deterorated wood casing at small stained glass window.

Figure 12. Cast stone sill spalling at tower element.

Figure 13. Open low tower element at north elevation.

Figure 14. Failure of open low tower ceiling, from roof failure above.

Figure 15. Organic growth at metal floor/roof of open low tower.

Figure 16. Temporary roof downspout relocation.

Figure 17. Basement boiler room as seen from exterior entry doors.

Figure 18. Mechanical room failed plaster ceiling and knob and tube wiring.

Figure 19. Plaster deterioration with possible asbestos tile flooring.

Figure 20. Existing electrical service room behind 1900s sanctuary.

Figure 21. 1900s sanctuary north.

Figure 22. 1900s sanctuary west.

Figure 23. 1900s sanctuary south.

Figure 24. 1900s sanctuary east.

Figure 23. Organ and organ pit.

Figure 24. Organ piping.

Figure 25. Plaster wall and ceiling deterioration producing ‘snow’ on floor.

Figure 26. Ceiling under open low tower at north elevation – water penetration.

Figure 27. Tower – typical rotting joists and flooring at intermediate landings.

Figure 28. Tower – typical rotting joists and flooring at intermediate landings.

Figure 30. Significant debris and bat guano at stair treads and platforms.

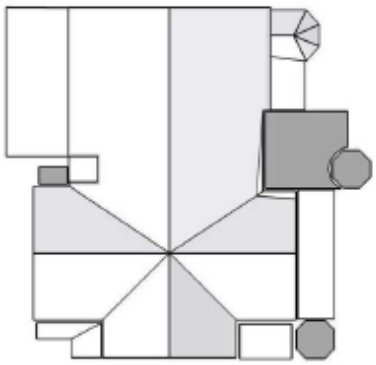
Figure 29. Tower – at approx 50’ of 80’, conditions deemed unsafe to proceed.

EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report

February 8, 2017

805 Court St, Lynchburg, VA 24504 **Report: 16902078**



In this 3D model, facets appear as semi-transparent to reveal overhangs.

Building: 1

PREPARED FOR

Contact: Bob Martin
Company: Craftsman Roofing, Inc.
Address: 4728 South Amherst Highway P. O. Box 1120
Madison Heights, VA 24572
Phone: 434-841-0048

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Report Summary 21
Wall Report Summary 23

MEASUREMENTS

Total Roof Area =12,898 sq ft
Total Roof Facets =26
Predominant Pitch =8/12
Number of Stories >1
Total Ridges/Hips =253 ft
Total Valleys =218 ft
Total Rakes =82 ft
Total Eaves =297 ft
Total Wall Area = 16,738 sq ft
Total Wall Facets = 55
Total Penetrations =13
Total Penetrations Perimeter = 142 ft
Total Penetrations Area = 179 sq ft

Measurements provided by www.eagleview.com

Certified Accurate
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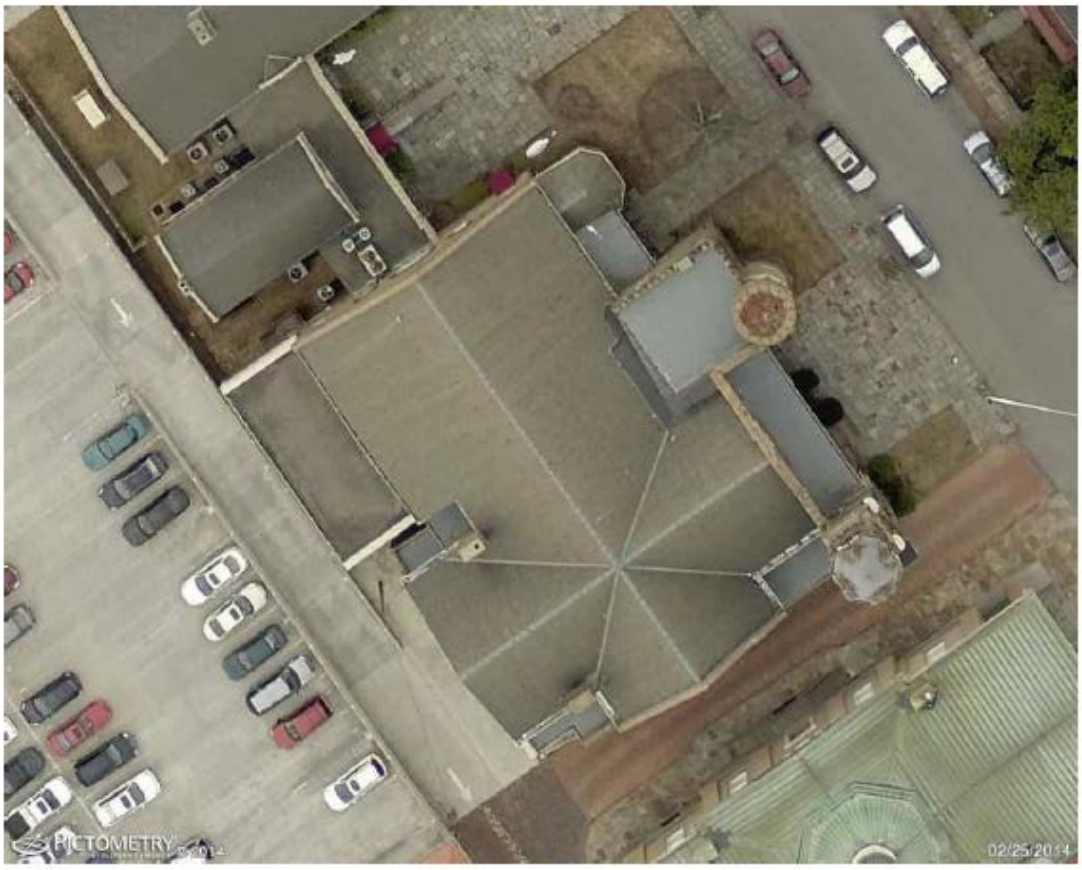
IMAGES

The following aerial images show different angles of this structure for your reference.

Top View



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IMAGES

North Side

South Side

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IMAGES

East Side

West Side

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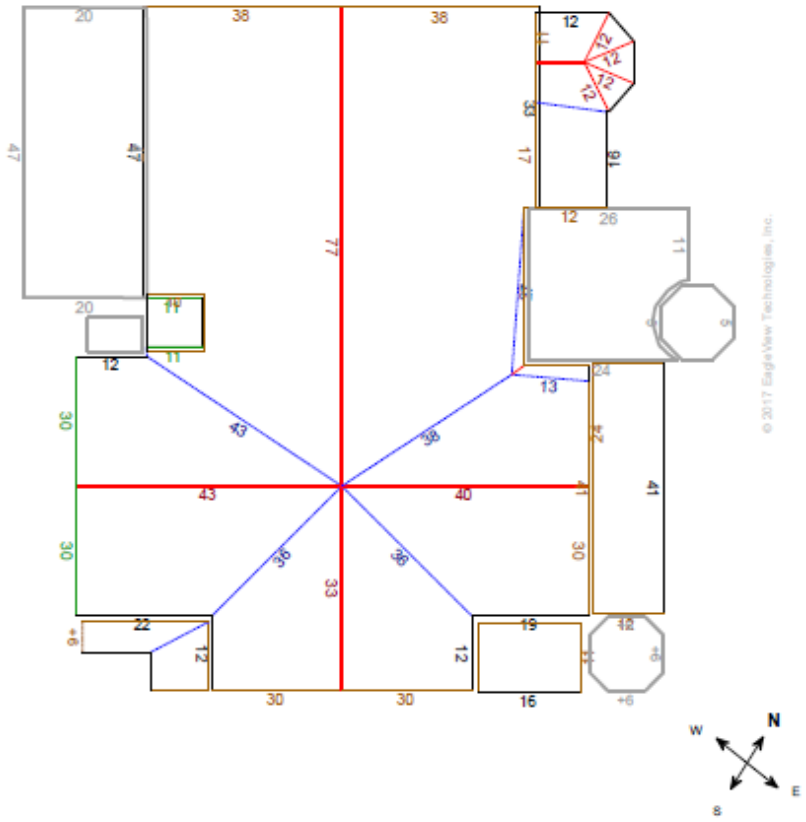
LENGTH DIAGRAM

Total Line Lengths:
Ridges = 202 ft
Hips = 51 ft

Valleys = 218 ft
Rakes = 82 ft
Eaves = 297 ft

Flashing = 115 ft
Step flashing = 343 ft
Parapets = 348 ft



Note: This diagram contains segment lengths (rounded to the nearest whole number) over 5 feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).

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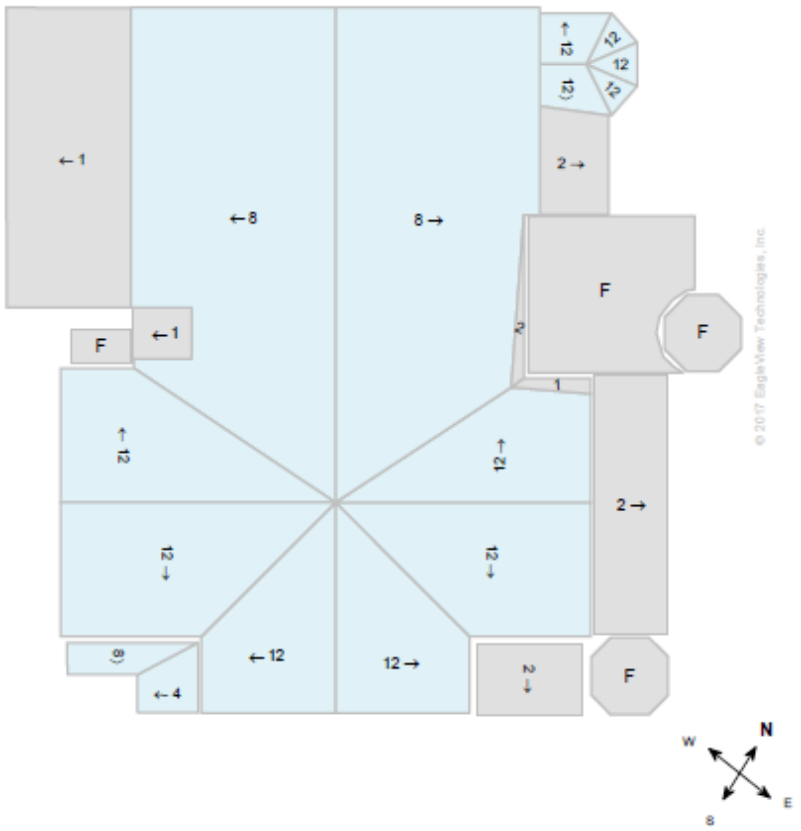
PITCH DIAGRAM

Pitch values are shown in inches per foot, and arrows indicate slope direction. The predominant pitch on this roof is 8/12.



Note: This diagram contains labeled pitches for facet areas larger than 20 square feet. In some cases, pitch labels have been removed for readability. Blue shading indicates a pitch of 3/12 and greater. Gray shading indicates flat, 1/12 or 2/12 pitches. If present, a value of "F" indicates a flat facet (no pitch).

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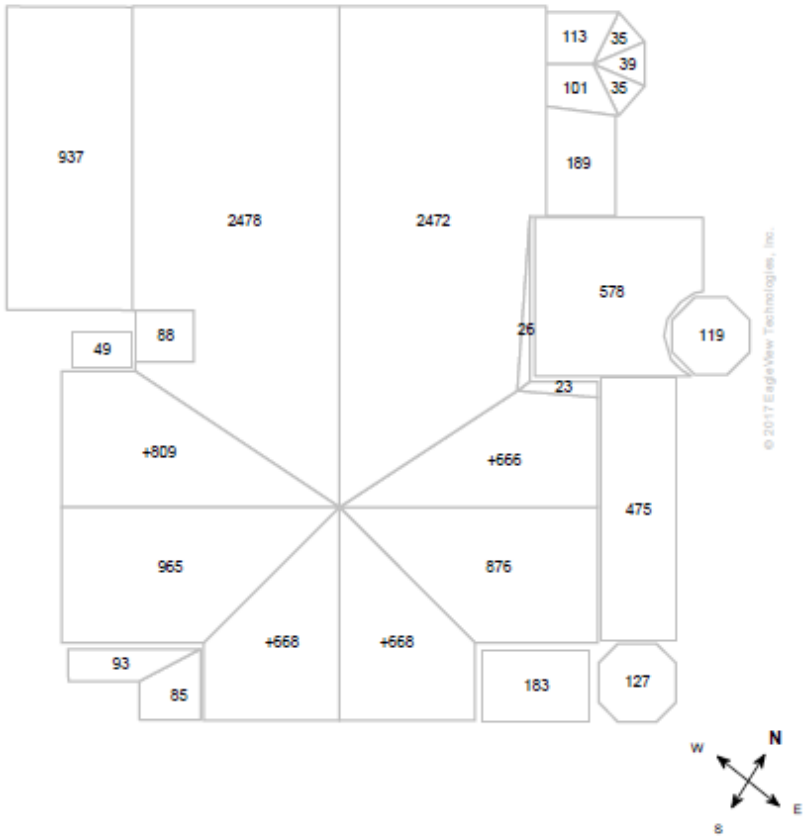
EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

AREA DIAGRAM

Total Area = 12,898 sq ft, with 26 facets.



Note: This diagram shows the square feet of each roof facet (rounded to the nearest foot). The total area in square feet, at the top of this page, is based on the non-rounded values of each roof facet (rounded to the nearest square foot after being totaled).

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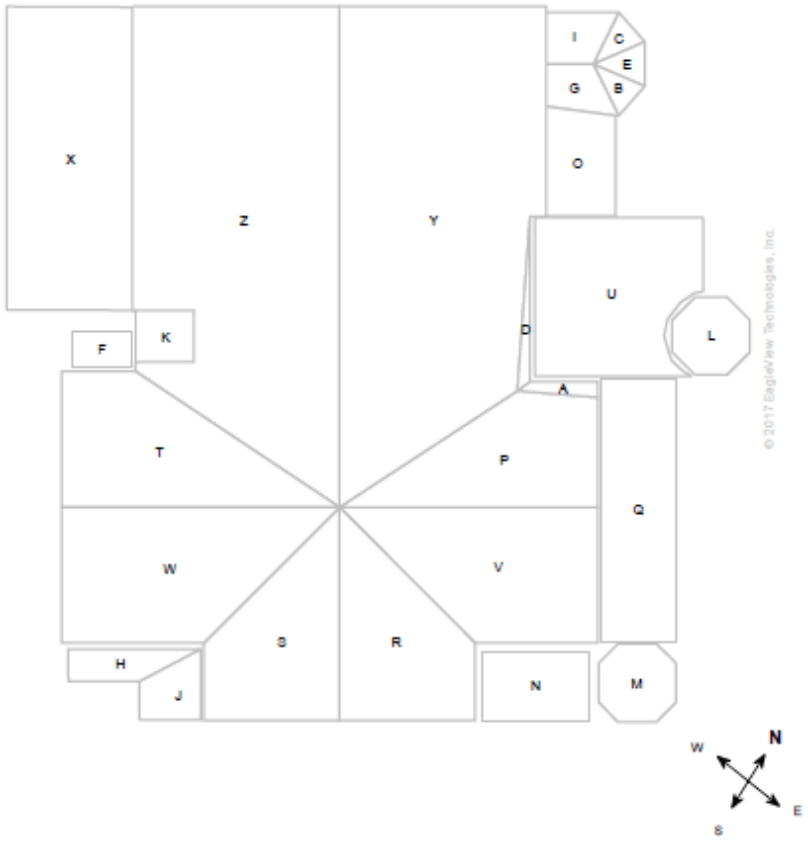
EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

NOTES DIAGRAM

Roof facets are labeled from smallest to largest (A to Z) for easy reference.



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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

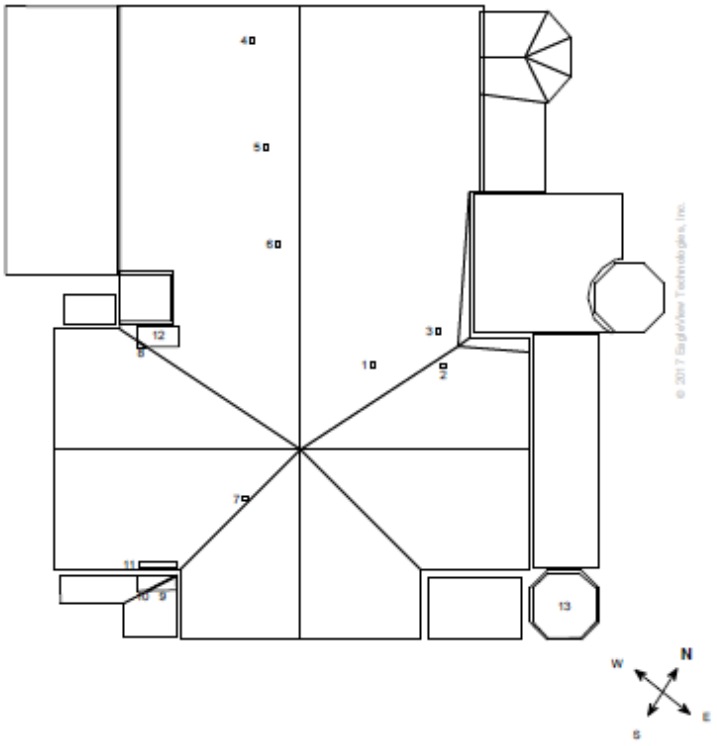
805 Court St, Lynchburg, VA 24504 **Report: 16902078**

PENETRATIONS NOTES DIAGRAM

Penetrations are labeled from smallest to largest for easy reference.

Total Penetrations = 13
Total Penetrations Perimeter = 142 ft

Total Penetrations Area = 179 sq ft
Total Roof Area Less Penetrations = 12,719 sq ft



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EAGLEVIEW TECHNOLOGIES

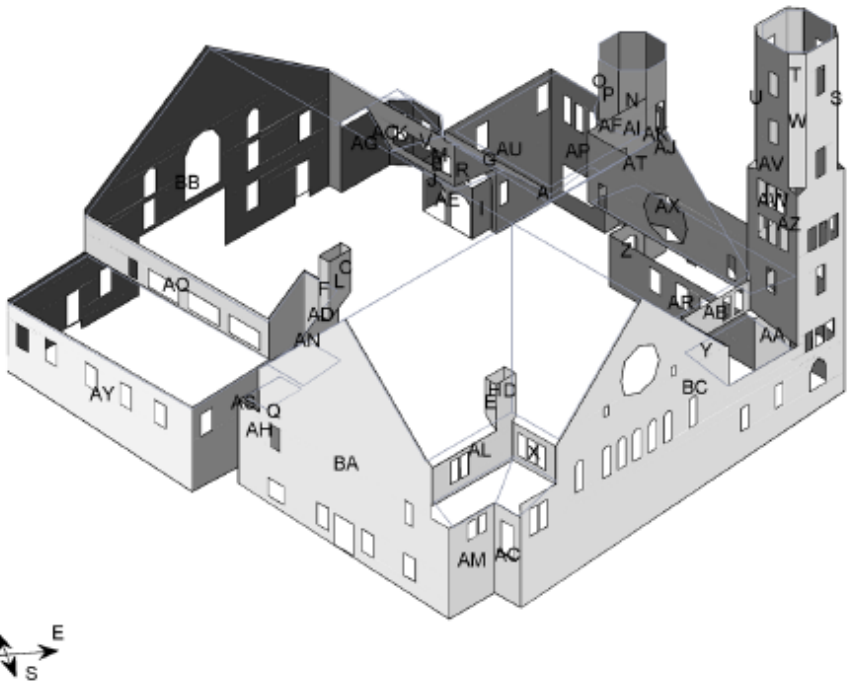
Premium Roof & Walls Report

February 8, 2017

805 Court St, Lynchburg, VA 24504 **Report: 16902078**

WALL AREA DIAGRAM

Total Wall Area = 16,738 sq ft, with 55 facets.
Total Wall Area with Windows and Doors = 18,769 sq ft



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Wall Area by Direction

North	East	South	West
H - 38.9 sq ft	C - 23.8 sq ft	A - 0.9 sq ft	D - 25.4 sq ft
Z - 64.6 sq ft	K - 48.7 sq ft	B - 22.9 sq ft	E - 25.7 sq ft
AB - 96.7 sq ft	M - 49.9 sq ft	I - 55.5 sq ft	F - 33.4 sq ft
AF - 150.8 sq ft	R - 84 sq ft	J - 55.6 sq ft	G - 38.5 sq ft
AG - 176.2 sq ft	S - 86.3 sq ft	L - 64.5 sq ft	N - 65.5 sq ft
AH - 200.4 sq ft	T - 89.5 sq ft	AA - 110.2 sq ft	O - 65.8 sq ft
AN - 293 sq ft	V - 76.6 sq ft	AL - 203.4 sq ft	P - 66.5 sq ft
AU - 528.8 sq ft	AE - 63.8 sq ft	AM - 217.3 sq ft	Q - 71.6 sq ft
AV - 540.3 sq ft	AI - 165.2 sq ft	AS - 472.4 sq ft	U - 91.6 sq ft
BB - 1987.2 sq ft	AJ - 166.6 sq ft	AT - 487.6 sq ft	W - 92.4 sq ft
	AK - 157.7 sq ft	BC - 2797.9 sq ft	X - 62.9 sq ft
	AO - 251.5 sq ft		Y - 69.7 sq ft

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

Wall Area by Direction continued

North	East	South	West
	AP - 322.7 sq ft AR - 378 sq ft AX - 634.9 sq ft AZ - 1112 sq ft		AC - 112.8 sq ft AD - 134.4 sq ft AQ - 316 sq ft AW - 570.4 sq ft AY - 737.8 sq ft BA - 1880.2 sq ft
4076.9 sq ft	**3711.2 sq ft**	**4488.2 sq ft**	**4460.6 sq ft**

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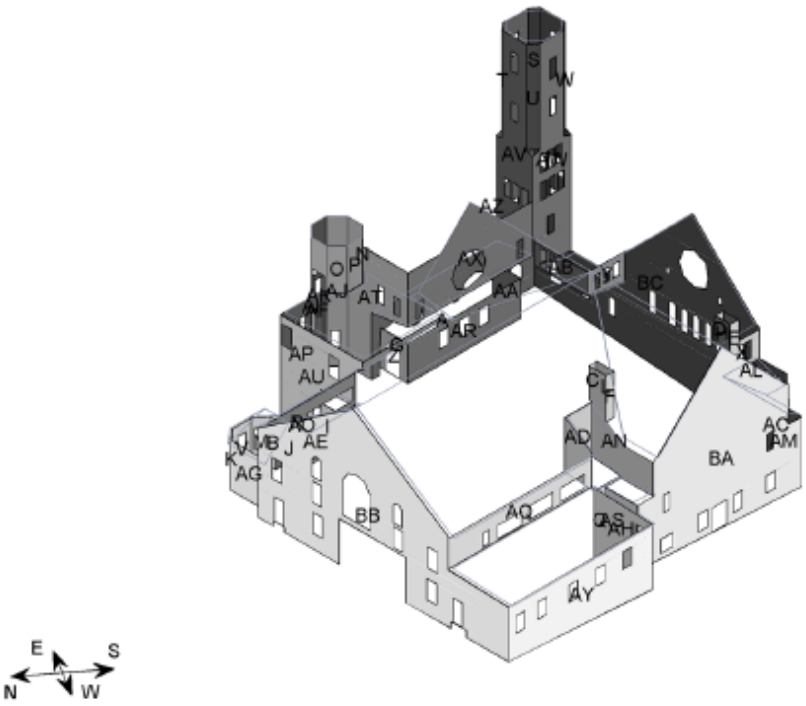
EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 **Report: 16902078**

ALTERNATE WALL AREA

Total Wall Area = 16,738 sq ft, with 55 facets.
Total Wall Area with Windows and Doors = 18,769 sq ft



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Wall Area by Direction

North	East	South	West
H - 38.9 sq ft	C - 23.8 sq ft	A - 0.9 sq ft	D - 25.4 sq ft
Z - 64.6 sq ft	K - 48.7 sq ft	B - 22.9 sq ft	E - 25.7 sq ft
AB - 96.7 sq ft	M - 49.9 sq ft	I - 55.5 sq ft	F - 33.4 sq ft
AF - 150.8 sq ft	R - 84 sq ft	J - 55.6 sq ft	G - 38.5 sq ft
AG - 176.2 sq ft	S - 86.3 sq ft	L - 64.5 sq ft	N - 65.5 sq ft
AH - 200.4 sq ft	T - 89.5 sq ft	AA - 110.2 sq ft	O - 65.8 sq ft
AN - 293 sq ft	V - 76.6 sq ft	AL - 203.4 sq ft	P - 66.5 sq ft
AU - 528.8 sq ft	AE - 63.8 sq ft	AM - 217.3 sq ft	Q - 71.6 sq ft
AV - 540.3 sq ft	AI - 165.2 sq ft	AS - 472.4 sq ft	U - 91.6 sq ft
BB - 1987.2 sq ft	AJ - 166.6 sq ft	AT - 487.6 sq ft	W - 92.4 sq ft
	AK - 157.7 sq ft	BC - 2797.9 sq ft	X - 62.9 sq ft
	AO - 251.5 sq ft		Y - 69.7 sq ft

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

Wall Area by Direction continued...

North	East	South	West
	AP - 322.7 sq ft AR - 378 sq ft AX - 634.9 sq ft AZ - 1112 sq ft		AC - 112.8 sq ft AD - 134.4 sq ft AQ - 316 sq ft AW - 570.4 sq ft AY - 737.8 sq ft BA - 1880.2 sq ft
4076.9 sq ft	**3711.2 sq ft**	**4488.2 sq ft**	**4460.6 sq ft**

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EAGLEVIEW TECHNOLOGIES

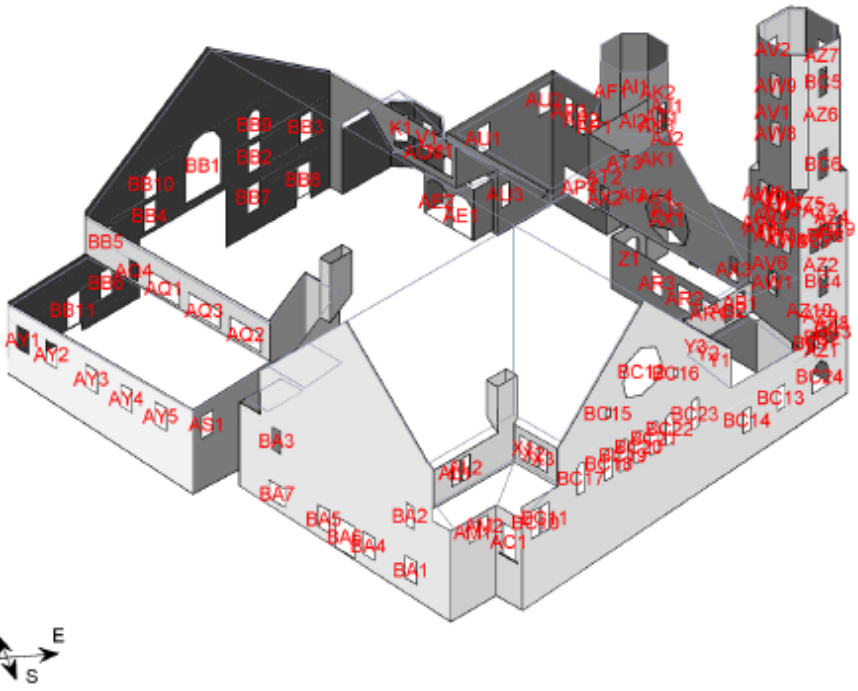
Premium Roof & Walls Report

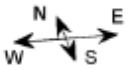
February 8, 2017

805 Court St, Lynchburg, VA 24504 **Report: 16902078**

WINDOW AND DOOR DIAGRAM

Total Window and Door Area = 2031 sq ft, with 124 windows and doors
Total Window and Door Perimeter = 2047 ft





Window and Door Measurements

North	East	South	West
Z1 - 39.8 sq ft	K1 - 15 sq ft	AL1 - 10 sq ft	X1 - 10 sq ft
AB1 - 10 sq ft	M1 - 15 sq ft	AL2 - 10 sq ft	X2 - 10 sq ft
AB2 - 10 sq ft	V1 - 15 sq ft	AM1 - 8 sq ft	X3 - 10 sq ft
AF1 - 22.7 sq ft	AE1 - 39.3 sq ft	AM2 - 8 sq ft	Y1 - 8 sq ft
AU1 - 18 sq ft	AE2 - 39.4 sq ft	AS1 - 15 sq ft	Y2 - 8 sq ft
AU2 - 18 sq ft	AI1 - 24 sq ft	AT1 - 11.4 sq ft	Y3 - 8 sq ft
AU3 - 10 sq ft	AI2 - 12 sq ft	AT2 - 10 sq ft	AC1 - 21 sq ft
AV1 - 10 sq ft	AI3 - 10 sq ft	AT3 - 10 sq ft	AQ1 - 32 sq ft
AV2 - 10 sq ft	AJ1 - 24 sq ft	BC1 - 8 sq ft	AQ2 - 32 sq ft
AV3 - 10 sq ft	AJ2 - 12 sq ft	BC2 - 8 sq ft	AQ3 - 32 sq ft
AV4 - 10 sq ft	AJ3 - 10 sq ft	BC3 - 8 sq ft	AQ4 - 8 sq ft
AV5 - 10 sq ft	AK1 - 10 sq ft	BC4 - 12 sq ft	AW1 - 10 sq ft

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

Wall Area by Direction continued...

North	East	South	West
AV6 - 10 sq ft	AK2 - 24 sq ft	BC5 - 12 sq ft	AW2 - 10 sq ft
BB1 - 111.6 sq ft	AK3 - 12 sq ft	BC6 - 12 sq ft	AW3 - 10 sq ft
BB2 - 18 sq ft	AK4 - 10 sq ft	BC7 - 10 sq ft	AW4 - 10 sq ft
BB3 - 18 sq ft	AO1 - 60 sq ft	BC8 - 10 sq ft	AW5 - 10 sq ft
BB4 - 18 sq ft	AP1 - 12 sq ft	BC9 - 10 sq ft	AW6 - 10 sq ft
BB5 - 18 sq ft	AP2 - 12 sq ft	BC10 - 12 sq ft	AW7 - 10 sq ft
BB6 - 18 sq ft	AP3 - 12 sq ft	BC11 - 12 sq ft	AW8 - 10 sq ft
BB7 - 18 sq ft	AP4 - 48 sq ft	BC12 - 75.7 sq ft	AW9 - 10 sq ft
BB8 - 21 sq ft	AR1 - 15.1 sq ft	BC13 - 10 sq ft	AY1 - 15 sq ft
BB9 - 17.3 sq ft	AR2 - 15 sq ft	BC14 - 10 sq ft	AY2 - 15 sq ft
BB10 - 17 sq ft	AR3 - 14.8 sq ft	BC15 - 2 sq ft	AY3 - 15 sq ft
BB11 - 21 sq ft	AX1 - 82.1 sq ft	BC16 - 2 sq ft	AY4 - 15 sq ft
	AX2 - 10 sq ft	BC17 - 13 sq ft	AY5 - 15 sq ft
	AX3 - 10 sq ft	BC18 - 12.9 sq ft	BA1 - 15 sq ft
	AZ1 - 20 sq ft	BC19 - 12.9 sq ft	BA2 - 10 sq ft
	AZ2 - 12 sq ft	BC20 - 13 sq ft	BA3 - 10 sq ft
	AZ3 - 12 sq ft	BC21 - 13.1 sq ft	BA4 - 15 sq ft
	AZ4 - 12 sq ft	BC22 - 12.9 sq ft	BA5 - 15 sq ft
	AZ5 - 12 sq ft	BC23 - 12.6 sq ft	BA6 - 35 sq ft
	AZ6 - 12 sq ft	BC24 - 21.6 sq ft	BA7 - 16 sq ft
	AZ7 - 12 sq ft		
	AZ8 - 8 sq ft		
	AZ9 - 8 sq ft		
	AZ10 - 8 sq ft		
484.4 sq ft	**678.7 sq ft**	**408.1 sq ft**	**460 sq ft**

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

NORTH ELEVATION DIAGRAM

Top of Walls = 218 ft
Bottom of Walls = 204 ft

North Elevation Details

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
H	38.9	0.0	0.0	0
Z	64.6	39.8	25.0	1
AB	96.7	20.0	28.0	2
AF	150.8	22.7	20.0	1
AG	176.2	0.0	0.0	0
AH	200.4	0.0	0.0	0
AN	293.0	0.0	0.0	0
AU	528.8	46.0	50.0	3
AV	540.3	60.0	84.0	6
BB	1987.2	295.9	222.9	11
Total	**4076.9 sq ft**	**484.4 sq ft**	**429.9 ft**	**24**

Note: On-site verification of yellow shaded areas is needed. Details are on the Wall Report Summary Page. This diagram shows segment lengths rounded to the nearest whole number. The window & door and wall area in square feet (rounded to the nearest tenth) is based on the actual (non-rounded) value of each segment length.

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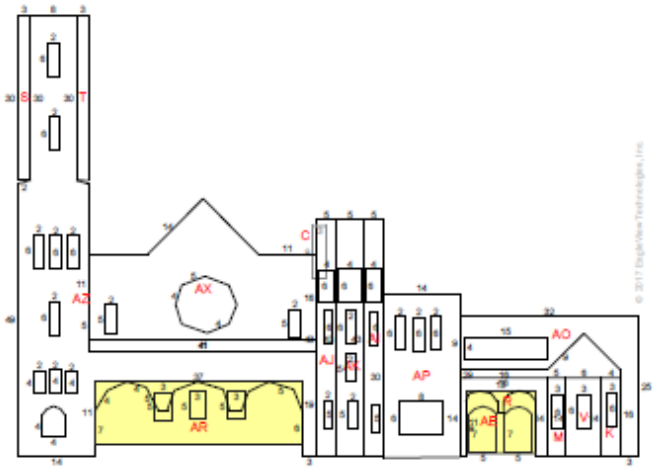
EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

EAST ELEVATION DIAGRAM

Top of Walls = 254 ft
Bottom of Walls = 201 ft



East Elevation Details

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
C	23.8	0.0	0.0	0
K	48.7	15.0	17.0	1
M	49.9	15.0	17.0	1
R	84.0	0.0	0.0	0
S	86.3	0.0	0.0	0
T	89.5	0.0	0.0	0
V	76.6	15.0	17.0	1
AE	63.8	78.7	49.6	2
AI	165.2	46.0	50.0	3
AJ	166.6	46.0	50.0	3
AK	157.7	56.0	64.0	4
AO	251.5	60.0	38.0	1
AP	322.7	84.0	76.0	4
AR	378.0	44.9	48.0	3
AX	634.9	102.1	61.1	3
AZ	1112.0	116.0	149.2	10
Total	**3711.2 sq ft**	**678.7 sq ft**	**636.9 ft**	**36**

Note: On-site verification of yellow shaded areas is needed. Details are on the Wall Report Summary Page. This diagram shows segment lengths rounded to the nearest whole number. The window & door and wall area in square feet (rounded to the nearest tenth) is based on the actual (non-rounded) value of each segment length.

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

SOUTH ELEVATION DIAGRAM

Top of Walls = 213 ft
Bottom of Walls = 195 ft

South Elevation Details

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
A	0.9	0.0	0.0	0
B	22.9	0.0	0.0	0
I	55.5	0.0	0.0	0
J	55.6	0.0	0.0	0
L	64.5	0.0	0.0	0
AA	110.2	0.0	0.0	0
AL	203.4	20.0	28.0	2
AM	217.3	16.0	24.0	2
AS	472.4	15.0	16.0	1
AT	487.6	31.4	43.8	3
BC	2797.9	325.7	364.0	24
Total	**4488.2 sq ft**	**408.1 sq ft**	**475.8 ft**	**32**

Note: On-site verification of yellow shaded areas is needed. Details are on the Wall Report Summary Page. This diagram shows segment lengths rounded to the nearest whole number. The window & door and wall area in square feet (rounded to the nearest tenth) is based on the actual (non-rounded) value of each segment length.

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

WEST ELEVATION DIAGRAM

Top of Walls = 288 ft
Bottom of Walls = 281 ft

West Elevation Details

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
D	25.4	0.0	0.0	0
E	25.7	0.0	0.0	0
F	33.4	0.0	0.0	0
G	38.5	0.0	0.0	0
N	65.5	0.0	0.0	0
O	65.8	0.0	0.0	0
P	66.5	0.0	0.0	0
Q	71.6	0.0	0.0	0
U	91.6	0.0	0.0	0
W	92.4	0.0	0.0	0
X	62.9	30.0	42.0	3
Y	69.7	24.0	36.0	3
AC	112.8	21.0	20.0	1
AD	134.4	0.0	0.0	0
AQ	316.0	104.0	84.0	4
AW	570.4	90.0	126.0	9
AY	737.8	75.0	80.0	5
BA	1880.2	116.0	116.0	7

Note: On-site verification of yellow shaded areas is needed. Details are on the Wall Report Summary Page. This diagram shows segment lengths rounded to the nearest whole number. The window & door and wall area in square feet (rounded to the nearest tenth) is based on the actual (non-rounded) value of each segment length.

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

Wall Area by Direction continued

Wall	Wall Area	Window & Door Area	Window & Door Perimeter	Window & Door Count
Total	4460.6 sq ft	460 sq ft	504 ft	32

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 **Report: 16902078**

REPORT SUMMARY

Areas per Pitch						
Roof Pitches	0/12	1/12	2/12	4/12	8/12	12/12
Area (sq ft)	873.6	1048.4	872.8	85.1	5043	4975.2
% of Roof	6.8%	8.1%	6.8%	0.7%	39.1%	38.6%

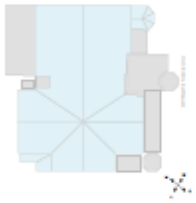
The table above lists each pitch on this roof and the total area and percent (both rounded) of the roof with that pitch.

Waste Calculation Table							
Waste %	**0%**	**10%**	**12%**	**15%**	**17%**	**20%**	**22%**
Area (sq ft)	12,898	14,188	14,446	14,833	15,091	15,478	15,736
Squares	129.0	141.9	144.5	148.3	150.9	154.8	157.4

This table shows the total roof area and squares (rounded up to the nearest decimal) based upon different waste percentages. The waste factor is subject to the complexity of the roof, individual roofing techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only roof area is included in these waste calculations. Additional materials needed for ridge, hip, valley, and starter lengths are not included.

Penetrations	1-7	8	9	10	11	12	13			
Area (sq ft)	1	1	6.2	11.3	12.2	30.7	110.6			
Perimeter (ft)	4	4.9	13.3	16.2	17	24	38.5			

Any measured penetration smaller than 3x3 feet may need field verification. Accuracy is not guaranteed. The total penetration area is not subtracted from the total roof area.



Total Roof Facets = 26
Total Penetrations =13

Lengths, Areas and Pitches
Ridges = 202 ft (5 Ridges)
Hips = 51 ft (5 Hips).
Valleys = 218 ft (9 Valleys)
Rakes* = 82 ft (4 Rakes)
Eaves/Starter** = 297 ft (20 Eaves)
Drip Edge (Eaves + Rakes) = 379 ft (24 Lengths)
Parapet Walls = 348 (35 Lengths).
Flashing = 115 ft (6 Lengths)
Step flashing = 343 ft (20 Lengths)
Total Area = 12,898 sq ft
Total Penetrations Area = 179 sq ft
Total Roof Area Less Penetrations = 12,719 sq ft
Total Penetrations Perimeter = 142 ft
Predominant Pitch = 8/12

Property Location
Longitude = -79.1445576
Latitude = 37.4138800

Notes
This was ordered as a commercial property. There were no changes to the structure in the past four years.

Parapet Wall Area Table

* Rakes are defined as roof edges that are sloped (not level).
** Eaves are defined as roof edges that are not sloped and level.

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report

February 8, 2017

805 Court St, Lynchburg, VA 24504 **Report: 16902078**

Wall Height (ft)	1	2	3	4	5	6	7
Vertical Wall Area	348	696	1044	1392	1740	2088	2436

This table provides common parapet wall heights to aid you in calculating the total vertical area of these walls. Note that these values assume a 90 degree angle at the base of the wall. Allow for extra materials to cover cant strips and tapered edges.

Online Maps

Online map of property
http://maps.google.com/maps?f=q&source=s_q&hl=en&geocode=&q=805+Court+St,Lynchburg,VA,24504
Directions from Craftsman Roofing, Inc. to this property
http://maps.google.com/maps?f=d&source=s_d&saddr=4728+South+Amherst+Highway,P.+O.+Box+1120,Madison+Heights,VA,24572&daddr=805+Court+St,Lynchburg,VA,24504

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EAGLEVIEW TECHNOLOGIES

Premium Roof & Walls Report
February 8, 2017

805 Court St, Lynchburg, VA 24504 Report: 16902078

WALL REPORT SUMMARY

Wall Area Waste Calculation Table (excluding windows and doors)

Waste %	0%	10%	11%	12%	13%	14%	15%	20%
Area (sq ft)	16,738	18,412	18,579	18,746	18,914	19,081	19,248	20,085
Squares	167.4	184.1	185.8	187.5	189.1	190.8	192.5	200.9

This table shows the total wall area excluding windows and doors, based upon different waste percentages. The waste factor is subject to the complexity of the structure, image quality, siding techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only the wall area is included in these waste calculations. Accessories may require additional material.

Report Comments
Due to obstructions in available images of this property, please verify measurements on portion of structure highlighted in yellow.

Total Wall Facets = 55
Total Windows and Doors = 124

Total Lengths & Areas

Wall Area = 16,738 sq ft
Wall Area with Windows and Doors = 18,769 sq ft
Top of Walls = 971 ft
Bottom of Walls = 880 ft
Inside Corners = 0 ft
Outside Corners = 528 ft
Inside Corners > 90° = 0 ft
Outside Corners > 90° = 513 ft
Window and Door Area = 2031 sq ft
Window and Door Perimeter = 2,047 ft

Wall measurements should be field verified to confirm accuracy. Wall areas assume that flat soffits exist at the eaves. If sloped soffits are present, wall height and wall area measurements will likely be off.

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MASONRY

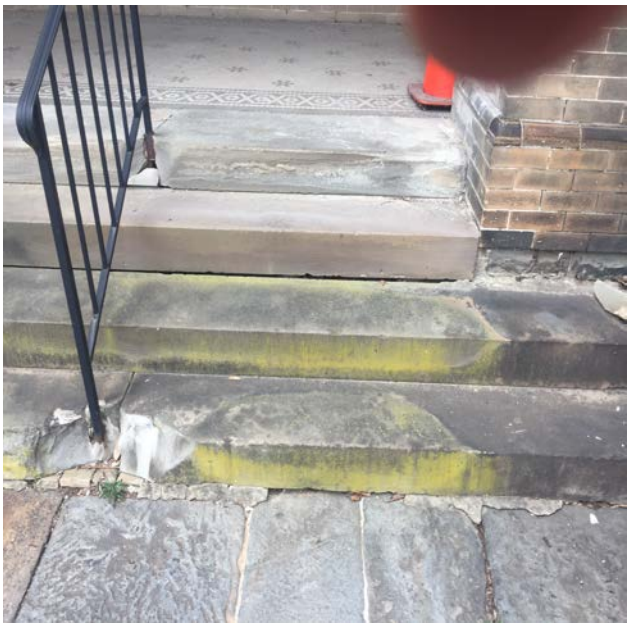
The exterior walls of the building are constructed of solid brick masonry. The decorative elements, water tables, horizontal bands, lintels, sills, coping stones, castellation's caps and chimney caps are all made up of stone. Due to the nature of the stone, the decorative trim, sills, and lintels tend to spall, exfoliate, stain, and discolor, thus resulting in major deterioration and major staining. These issues are a result of moisture penetration and freeze thaw, but the deterioration appears to be only 1/8" to 1/4" deep. The brick and stone on the entire building, especially on the tower, are in dire need of repair.

Mechanical removal of the spalled and/or exfoliated faces will be necessary on some of the stone elements prior to their being cleaned. The majority of the mortar joints of the brick and stone are either missing, severely deteriorated, or extremely soft due to 100 + years of weathering. Lime mortar should be used on any restoration project to correspond with the original mortar. The cleaning of the brick and stone would be accomplished in the same operation, and should be scheduled at the very beginning of any exterior work on the project. The application of water repellent/consolidation treatment for the brick and stone should be accomplished in like manner, but should be scheduled at the very end of the exterior work, after all brick and stone issues have been addressed.

There are approximately 166 photographs that are available from this masonry survey, showing the brick and stone issues covered in this report. The following twenty (20) self-explanatory photographs are only representative photographs that depict the conditions and issues that exist on the entire exterior of the building.

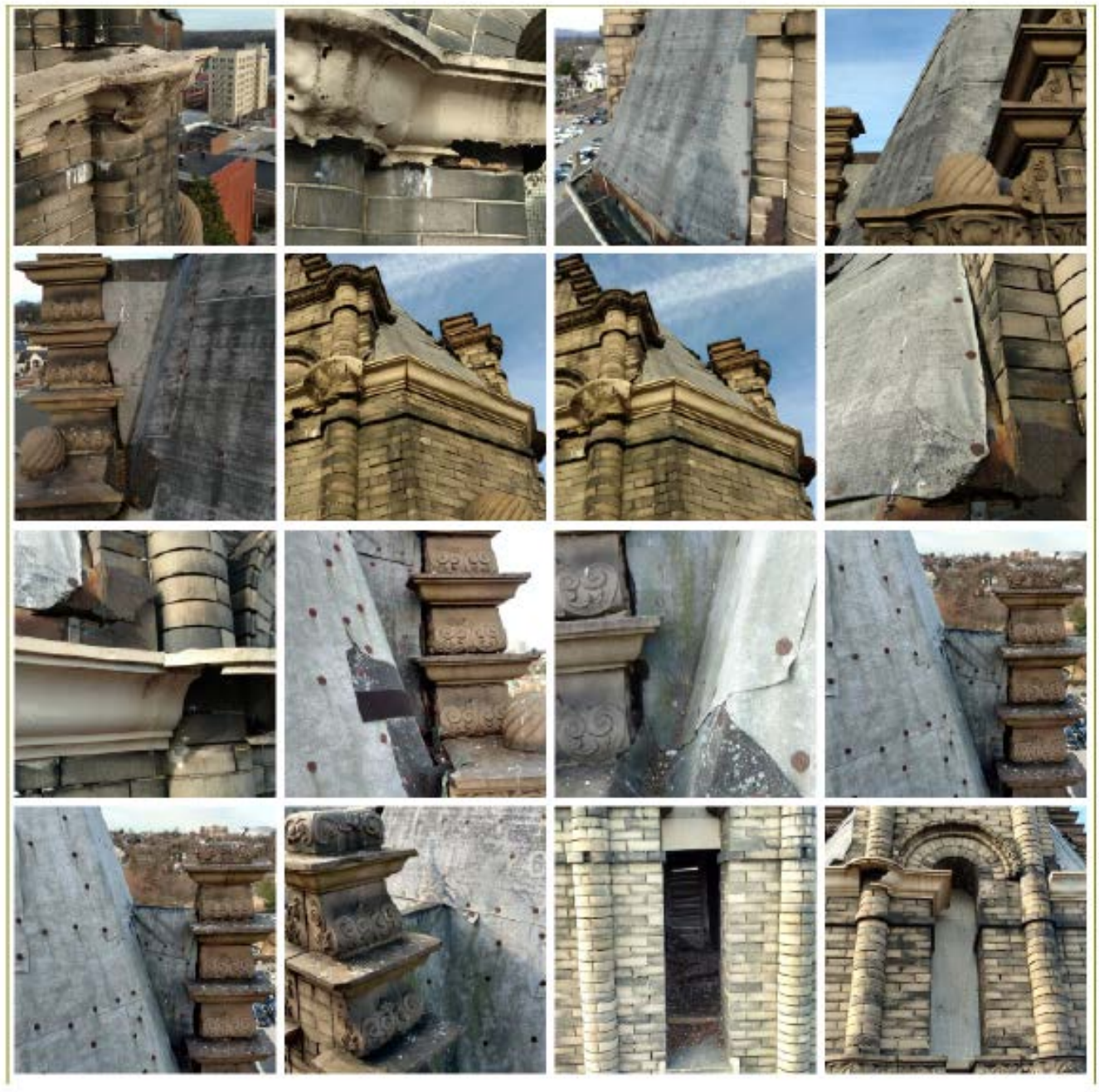
- BRICK
  - Major cleaning of all exterior brick surfaces.
  - Replacement of missing brick.
  - Relaying of loose brick.
  - Repair to or replacement of deteriorated brick.
  - Removal and replacement of compromised walls (i.e. parapet wall over the kitchen and the chimney, mid-roof, closest to the east elevation, etc.).
  - Removal of paint from brick (i.e. exterior at kitchen area).
  - Sealant removal from brick joints.
  - Removal and replacement of all mortar joints.
    - To prevent further deterioration.
    - To prevent moisture infiltration and damage.
  - Application of a deep-penetrating breathing water repellent/consolidation treatment.

- STONE
  - Major cleaning of all exterior stone surfaces.
  - Recasting and replacement of missing stone elements.
  - Repairs to broken stone elements.
  - Re-facing/repairing of deteriorated stone work, i.e. lintels, sills, etc.
  - Sealant removal from stones and stone joints.
  - Re-profiling of spalled/exfoliated decorative elements.
  - Re-facing/repairing of deteriorated stones, i.e. lintels, sills, coping stones, etc.
  - Application of an opaque color matched coating for the repaired and severely stained stones. i.e. lintels, sills, horizontal bands, decorative elements, castellation caps, water tables, coping stones, step treads, risers, wall caps, stone panels, etc.
  - Casting and replacement of missing chimney caps.
  - Removal and replacement of all stone (mortar) joints.
  - Application of a deep-penetrating water repellent/consolidation treatment.



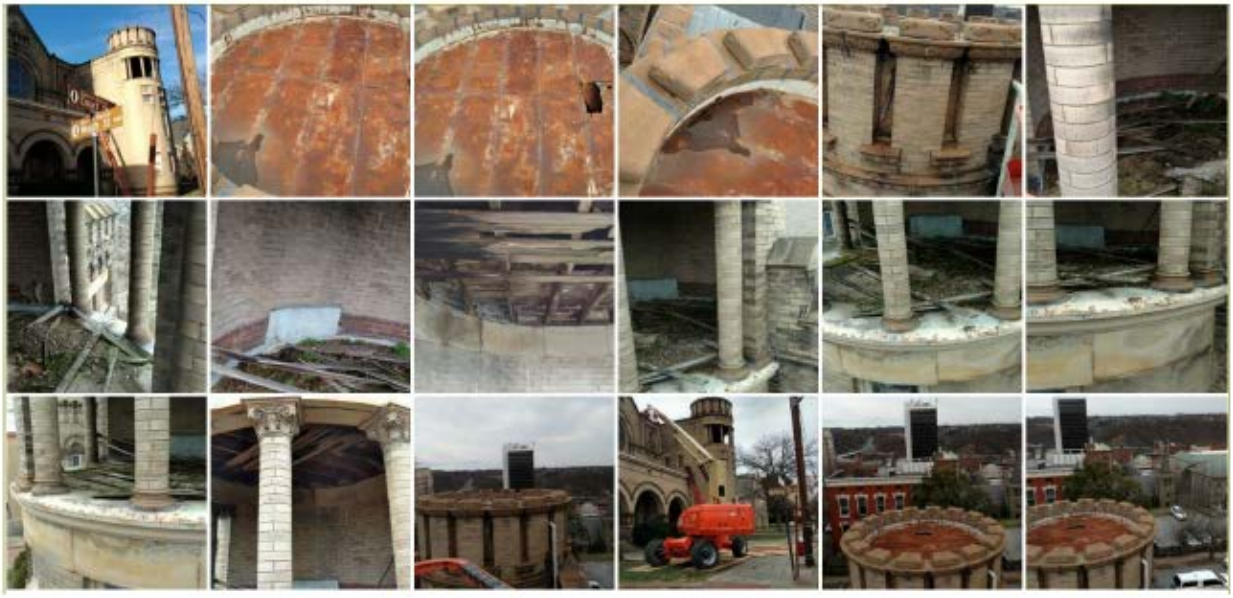
ROOFING – HIGH TOWER

The tower roof is covered with synthetic felt and has deteriorated with age, allowing water to infiltrate over time. The internal flat roof, drains, and structure have all been compromised due to water infiltration. The tower roof needs full slate roofing and flashings replacement. In the roofing consultant's opinion and experience with church steeples, the tower should be monitored by use of reflective sticker points applied to the outside of the tower, which can be tracked by surveyor at appropriate intervals to check for any movement.



LOW TOWER

The existing metal roofing and roof structure has failed, leaving the top of the tower open to the elements. New roof structure, roofing, flashings, and drainage systems are required.



NORTH SIDE (between towers)

The existing roof is a standing seam metal roof with ornate gutters. The counter flashing and metal roofing should be replaced.

NORTH SIDE (right entry)

Existing standing seam roofing and slate roofing. Roof connections along walls and the slate have had various repairs. The metal roofing needs replacement due to age and finish deterioration. There are numerous slate issues along the roof hip lines and where previous slate repairs were made. Slate roofing should be removed and salvaged, then replaced with all new 3/8” Buckingham slate, flashings, and snow guards.

EAST SIDE (cobblestone alley)

Existing roofing consists of standing seam metal with ornate gutters. Upper main roof is slate with metal valleys. The gussets behind the tower and chimneys is original metal and is in need of full replacement. The counterflashing at the walls should be fully replaced due to age of the material. The EPDM roof membrane repairs, as shown below at the intersection with the tower, have bridged away from the stone parapet walls. Slate roofing should be removed and salvaged, then replaced with all new 3/8" Buckingham slate, flashings, and snow guards.

Lower metal roof conditions, showing previous spot repairs

SOUTH SIDE (rear of building)

Metal roofing lower roofs, TPO membrane roofing, slate on upper main roof. Gutters and flashing at walls, chimneys, valleys, and ridge lines need full replacement. There is also evidence of failed roof decking telegraphing through slates.The existing chimneys and mortared caps are in poor condition as seen below.

The lower south roofing is TPO that is in fair condition. The TPO membrane should have protection provided for falling slates above by installing TPO walkway pads to prevent damage. The counterflashing along this wall should be reworked around the window sills and brick by sawcutting brick joints and installing metal flashing over the exposed membrane.

SUMMARY OF WORK REQUIRED

- Existing slate roofing:
    - Remove and salvage all existing slate roofing. Given the amount of slate removal required to facilitate masonry repair and flashing replacement (at walls, parapets, valleys, chimneys, and tower), salvage and sale of the existing slate is recommended.
    - Replace all valleys, counter flashing, step flashing, and gussets with new copper flashings.
    - Install new Buckingham Slate (3/8" thick)
    - Replace existing custom ornate copper gutter with new shop fabricated ornate copper gutter to match original.
    - Snow guards should be installed to prevent damage to the gutters. (Berger bronze SGBR2s)
- Remove and replace original flat lock metal roofing with fully adhered .060 rein. fully adhered EPDM sheet roofing. Proper insulation can be installed for slope / positive drainage.
- Replace existing standing seam metal roofing with 1" double lock standing seam copper over new ice-water shield membrane applied over the substrate.
- Remove existing low slope roofing membranes and replace with .060 rein. fully adhered EPDM membrane roofing.
- Inside the two (2) tower sections are sections open to the elements that need to be covered with .060 fully adhered EPDM membrane roofing. Roof lines need new drainage systems, and thru-wall counter flashing.

Refer to the Digital Mapping section of the report for quantities of roof materials.

STRUCTURAL

EXISTING CONSTRUCTION

A visual inspection was performed by Moseley Architects on February 1, 2017 for the City of Lynchburg, with the intent to evaluate the structural condition of the existing east wing of the West Building, which consists of the original 1900-era church sanctuary, nave, and fellowship hall. As part of the general evaluation, the inspection was to focus on the structural condition and components of existing floor construction for purposes of any future use/ renovations by the City of Lynchburg. The inspection was visual and non-invasive in nature, with no demolition or testing of any kind being performed. Construction drawings of the original church sanctuary, nave, and fellowship hall do not appear to exist. A previous 2008 building condition survey and evaluation was provided to Moseley Architects by the City of Lynchburg for assistance and verification.

The construction of the church sanctuary, nave, and fellowship hall consists of solid masonry bearing walls with brick veneer. The masonry bearing walls are supported on solid, cut stone foundation walls. The sanctuary, nave, and fellowship hall are constructed with full cut wood floor joists and wood girders over crawl spaces. The wood girders are supported on square cut stone piers and the cut stone foundation walls (Figures 1 and 2). The stone piers below the nave are spaced on three separate arc lines, increasing in radius from the rear of the building, while stone piers below the fellowship hall remain linear. A small basement, accessible by a rear double door at grade level from the rear of the sanctuary, contains mechanical equipment and electrical panels. The sanctuary space directly above the basement houses the church organ and pipes in the center, and choir areas on either side, separated from a center pulpit. Access to the crawl space below the nave exists through the rear of the basement. The only access to the small crawl space below the fellowship hall was an existing floor hatch from inside the building.

The previous 2008 building survey documented general wood girder and floor joist span lengths, as well as typical spacing between existing floor joists, below the sanctuary and nave only. The previous study did not include any information regarding the fellowship hall floor structure. The floor system below the sanctuary (below organ and choir areas) consists primarily of 2-1/4” wide by 11-3/4” deep full cut wood floor joists at average 16” on-center, spanning approximately 18’-8” above the basement. The joists span between the exterior of the building and the first interior girder line, consisting of 8” wide by 11-3/4” deep and 9-1/2” wide by 11-3/4” deep timber girders. Wood board sheathing is supported by the floor joists. Also, a raised platform of 2x members surrounding the organ above is supported by the floor joists in this area.

The floor system below the nave consists primarily of between 2-1/4” and 2-1/2” wide by 11-3/4” deep full cut wood floor joists at maximum 18” on-center. These joists are spaced radially between three separate arced girder lines, diverging form the rear (sanctuary) of the building. Each girder line consists of 7-3/4” wide by 11-3/4” deep timber girders. A 9-3/4” wide by 11-3/4” deep girder exists at the center of the third arced girder line. Wood board sheathing is supported by the floor joists. All timber girders are founded on radially placed, square cut stone piers (22” to 24” wide) and/or the exterior foundation wall. Timber girders span approximately 8’ minimum to approximately 17’ maximum.

As previously stated, access to the crawl space below the existing fellowship hall is from inside the building. Whereas excavated passages within the crawl space below the sanctuary and nave

provided access to much of the main floor structure, no such passages occur below the fellowship hall crawl space. Therefore, visual inspection of the existing floor construction was limited to a very localized area around the floor hatch itself. The floor system around the hatch consisted of 1-3/4" wide by 11-3/4" deep full cut wood floor joists at maximum 18" on-center. The joists span between the exterior of the building and several girder lines, in the same front-to-rear direction as the sanctuary and nave. The girders were also founded on square cut stone piers. Only the closest girder, spanning approximately 13'-6" and consisting of four (4) 1-1/2" wide by 11" deep members, could be viewed and measured (Figures 8, 9 and 10).

There is a small portion of second floor inside the fellowship hall. All second floor construction was inaccessible for visual inspection. The existing roof structure of the sanctuary and nave was also inaccessible. A portion of the existing roof structure above the fellowship hall was accessible via an attic hatch located on the second floor. Visually from this attic space, the roof structure consisted of four (4) main long-span wood trusses, spanning between side masonry bearing walls. Existing sloping wood rafters spanned between the wood trusses, supporting wood sheathing. At some point, cable tension elements were added between the wood trusses, conceivably to prevent movement.

CONCLUSIONS:

The exterior building shell components are of high architectural quality but have suffered much deterioration over the years. Overall, the floor structure of the sanctuary and nave is in good condition, as inspected from the basement and crawl space below. The wood floor joists visually appear to be in good condition. There are some local failures of the wood board sheathing that will require removal and replacement, but overall, there is little sign of deterioration from either moisture or insect damage. However, there is a single timber girder at the center of the third arced girder line that shall be considered a failed member. A major horizontal shear crack is present along the full length of the girder, as well as cracking of the bottom of the girder at midspan (Figures 3 and 4). This girder requires removal and replacement for use of the above space. Also, at least three additional girders contain horizontal shear cracks along their spans (Figures 5, 6 and 7). These girders shall require local reinforcement to provide continued capacity for use of the above space.

The condition of the floor structure below the fellowship hall could not be adequately visually assessed from the crawl space. Removal of existing floor coverings shall be required from above to assess the wood board sheathing. Removal of existing wood board sheathing would be required, as appropriate, to visually inspect any areas of concern for the existing wood joists and girders, and to provide span dimensions for future structural analysis.

The existing second floor construction of the fellowship hall was not accessible and could not be visually assessed. However, walking on the second floor did not reveal any structural issues. Existing ceiling coverings below the second floor would require removal to provide access to the structure for a visual inspection. The existing roof construction of the sanctuary and nave was not accessible for a visual inspection. The portion of the existing roof structure above the fellowship hall, via attic access, visually appears to be in good condition. Local areas of wood sheathing deterioration would require replacement.

From the limited visual inspection and site observations, the existing structure would be adequate for adaptive use alternatives, based upon a structural review using final loading conditions. Girder replacement and local reinforcement, as noted above, shall be required. Existing joist reinforcement and/or support may be required for existing spans, depending upon final loading and deflection conditions. Also, access to the fellowship hall existing floor structure from above shall be required for future inspection and analysis.

Understanding the building to be an unreinforced masonry bearing wall structure, it is very unlikely the building will comply with lateral load requirements of the present code. Additionally, the retrofit of this type of structure for current code lateral loading will prove to be very difficult and expensive. It also would require many changes to the exterior and interior appearance. Many factors, including the historical building provisions, change of occupancy, repairs and alteration level will affect the structural code requirements. Any of these factors could trigger the requirement to bring the building up to current code requirements with regards to lateral loading. Conversations with the local code official about these factors would be recommended for this type of structure. It would be prudent to focus on reasonable upgrades and pursue certain code exceptions with the local code official, using the most practical means of structural reinforcement while maintaining public safety.

Figure 1: Typical Sanctuary/Nave Framing

Figure 2: Typical Sanctuary/Nave Framing

Figure 3: Failed Girder

Figure 4: Failed Girder

Figure 5: Cracked Girder

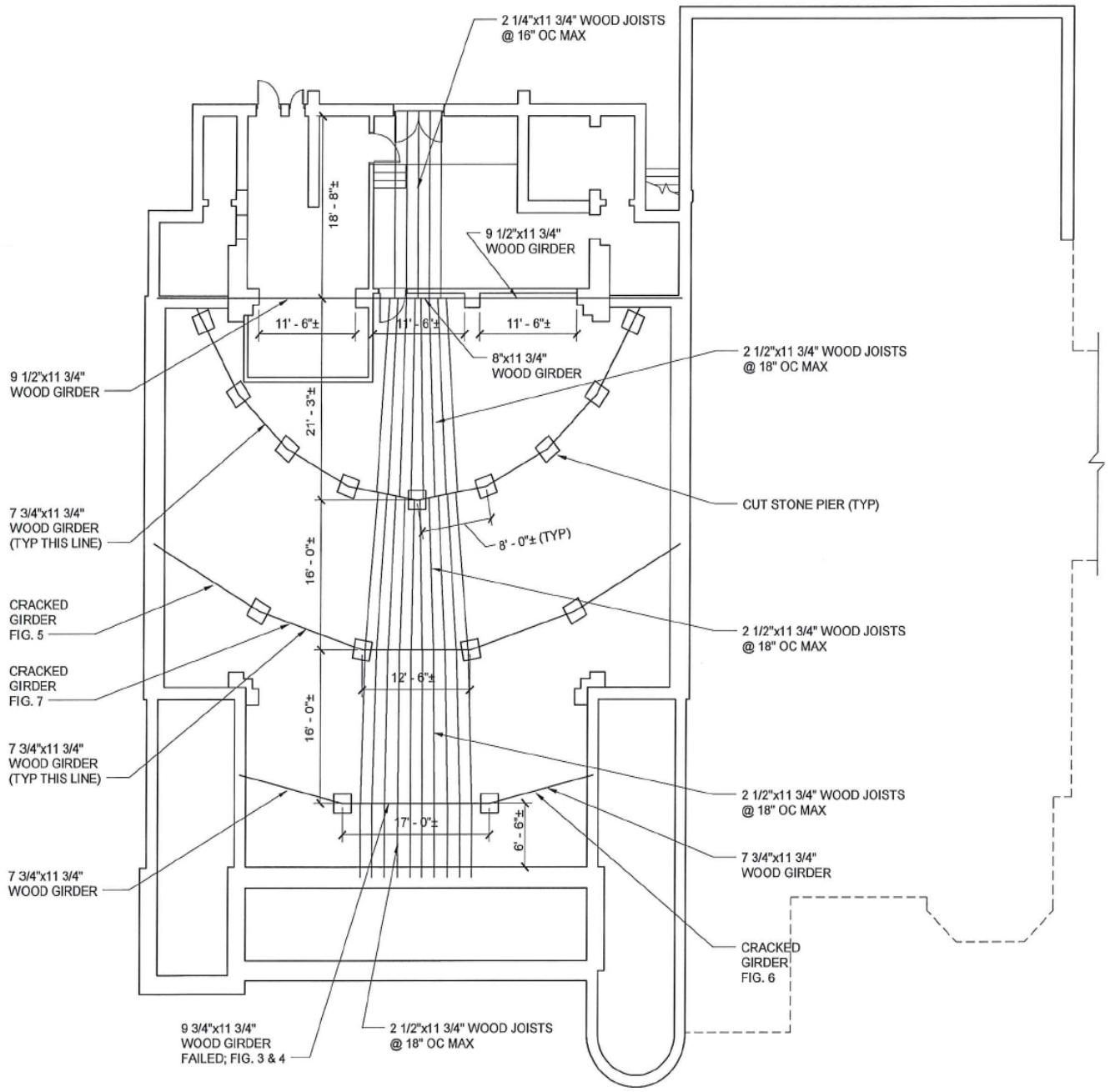
Figure 6: Cracked Girder

Figure 7: Cracked Girder

Figure 8: Typical Fellowship Hall Framing

Figure 9: Typical Fellowship Hall Framing

Figure 10: Typical Fellowship Hall Framing



EXISTING FIRST FLOOR SANCTUARY/NAVE FRAMING PLAN
(As Detailed From Basement and Crawl Space)

MECHANICAL/PLUMBING

The existing 1900's church has minimal mechanical systems, most of which cannot be reused. The building is not sprinkled throughout. Plumbing piping, fixtures, and the water heater are generally beyond their useful life and all plumbing would need to be replaced/ upgraded throughout. There is a single tank type water heater with expansion tank in the basement, which is no longer in use and would need to be replaced. A majority of the plumbing pipe is galvanized steel, non-insulated, and would need to be replaced throughout the entire building. All sanitary waste piping should be replaced. The water service would need to be upgraded/ replaced with backflow prevention and it is recommended to provide a new water meter.

The original steam boiler is abandoned and non-functional, and is located in the basement. This boiler used to serve the original steam radiators throughout the building, which many have been removed or disconnected.

The weight room has a 5-ton split AC unit with natural gas furnace. This unit was installed in 2010 and appears to be in good condition; however, does not appear to have any outside air for code required mechanical ventilation. The weight room has ventilation fans that appear to be original to the building located in the attic. They are no longer operational and ceiling grilles are sealed off.

The first floor offices and storage rooms above are served by two (2) 1.5-ton split heat pumps. These were installed in 2006 and appear to be in good-fair condition. The indoor units are in the attic and have outside air ducted to the existing intake louvers.

The Sanctuary is served by a split AC unit located on the second floor mechanical room. This unit is from 1988 and appears to no longer be functional and is beyond its normal service life. It does not appear to provide outside air/ventilation.

The building has been retrofitted with temporary heating throughout. In the sanctuary there are two high heat output gas heaters mounted on stands. In the lobby corridor areas, there are electric unit heaters and in the back old shower/toilet area there is a ceiling mounted gas heater. All appear to be in good working order; however, they are for temporary heating purposes only.

Figure 1: Weight room HVAC Unit

Figure 2: Basement Boiler

Figure 3: Rooftop Condensers

Figure 4: Weight room ventilation fan

Recommended Upgrades for occupied renovation:

Remove all existing mechanical and plumbing systems with exception of the newly installed split AC unit serving the weight room. Provide a new 30-ton split AC unit with gas furnace serving the Sanctuary, where ductwork and air distribution would be replaced. Provide two (2) new 1.5-ton split heat pumps for the offices and storage rooms at building connector, where ductwork and air-distribution would be re-used. Provide two (2) 1.5-ton heat pump ductless split units for the upstairs rooms. Provide three (3) 1-ton heat pump ductless split units for the small downstairs rooms. Provide new exhaust and outside air ventilation for all new toilets, locker rooms and weight room. Provide new domestic cold water, hot water and sanitary piping for all new plumbing fixtures. Provide new water meter and backflow preventer for water service. Provide new sanitary tie in to existing. Provide new gas water heater in basement with recirculation loop. All domestic cold and hot water piping would be copper with 1" fiberglass insulation. All sanitary piping would be PVC. All gas piping would be treaded steel. Modify existing gas piping to provide service to new Sanctuary HVAC and basement water heater.

Recommended Upgrades for stabilization only:

All existing temporary heating provisions shall remain. Replace the existing mechanical unit serving the sanctuary with a new 15-ton unit, utilizing the existing ductwork and air distribution. Provide two (2) 1.5-ton heat pump ductless split units to treat the upstairs rooms of the fellowship hall. Depending on the timeline of when the sanctuary would be renovated and occupied, it may be more cost effective in the long run to go ahead and replace the existing sanctuary mechanical unit with the full capacity unit mentioned above for the occupied renovation.

ELECTRICAL

Purpose

The purpose of the electrical site survey is to evaluate the existing conditions, hazards, and to survey the building for future needs as office and/or assembly space.

Electrical service

The electrical service consists of one overhead drop from a power company power pole to two weather-heads on the exterior of the building. The meter is at +5'-0" above the ground below the weather-heads. One service penetrates the exterior wall and serves a 125 amp circuit breaker. The second service penetrates the exterior wall and serves a two circuit breaker panelboard (P/BD) controlled by a time clock.

Having two weather-heads serving one building is two services to the same building, which is a code violation. There were no service entrance rated markings on the 125 amp circuit breaker and the P/BD.

There are existing electrical panels, disconnect switches and junction boxes on the opposite side of the electrical room. All circuit breakers and disconnect switches appear to be in the off position; however, no circuits were tested for voltage.

The electrical service is old, antiquated, and cannot support this size of building. It is recommended that all existing electrical service equipment not essential to the building be removed to eliminate a fire hazard.

Electrical service from Addition

The 1940s addition where police offices are currently located have an 800 amp service main distribution panelboard (MDP) in the basement of that building. There is a 125 amp circuit breaker in the MDP that feeds a P/BD in the 1900s building. This P/BD feeds lights, HVAC equipment, receptacles, fans, and exercise equipment. There is a second P/BD in the attic that feeds HVAC equipment. This is a code violation and risk analysis issue. The 1900s building and addition are two separate buildings and require one service to each building. At a minimum, there should be plaques at the 1900s building service and at the MDP in the basement to alert authorities of where all of the main electrical service disconnects are located.

The risk liability potential happens when a fire occurs in the 1900s building and fire department turns off the power; there would remain two live electrical P/BDs in the building where the fire department would be pumping water.

Dayton

Lighting

The original lighting remains in the building and should not be utilized. The existing ornamental fixtures in the sanctuary could possibly be reconditioned, but overall the concealed wiring inside all fixtures should be replaced.

Egress lighting

There is no emergency generator or egress battery units in the building for egress. There are no exit signs.

Wiring System

Multiple wiring methods have been used in this structure. Some of the wiring is the very old knob and tubing wiring method. Other wiring methods include non-metallic sheathed cable (romex) and conduit and wire. There appear to be no ground conductors in the building feeders or the branch circuits. Wiring junctions have been made without junction boxes and spliced to various wiring methods. A church is classified as an assembly structure and the National Electric Code (NEC) prohibits the use of romex and AC cable in this type of assembly-use construction.

Telephone, Data, Security

The existing telephone service has been terminated to the building. There is no data network system, security system, or CCTV system in the building.

Fire alarm system

There is no fire alarm system serving the building.

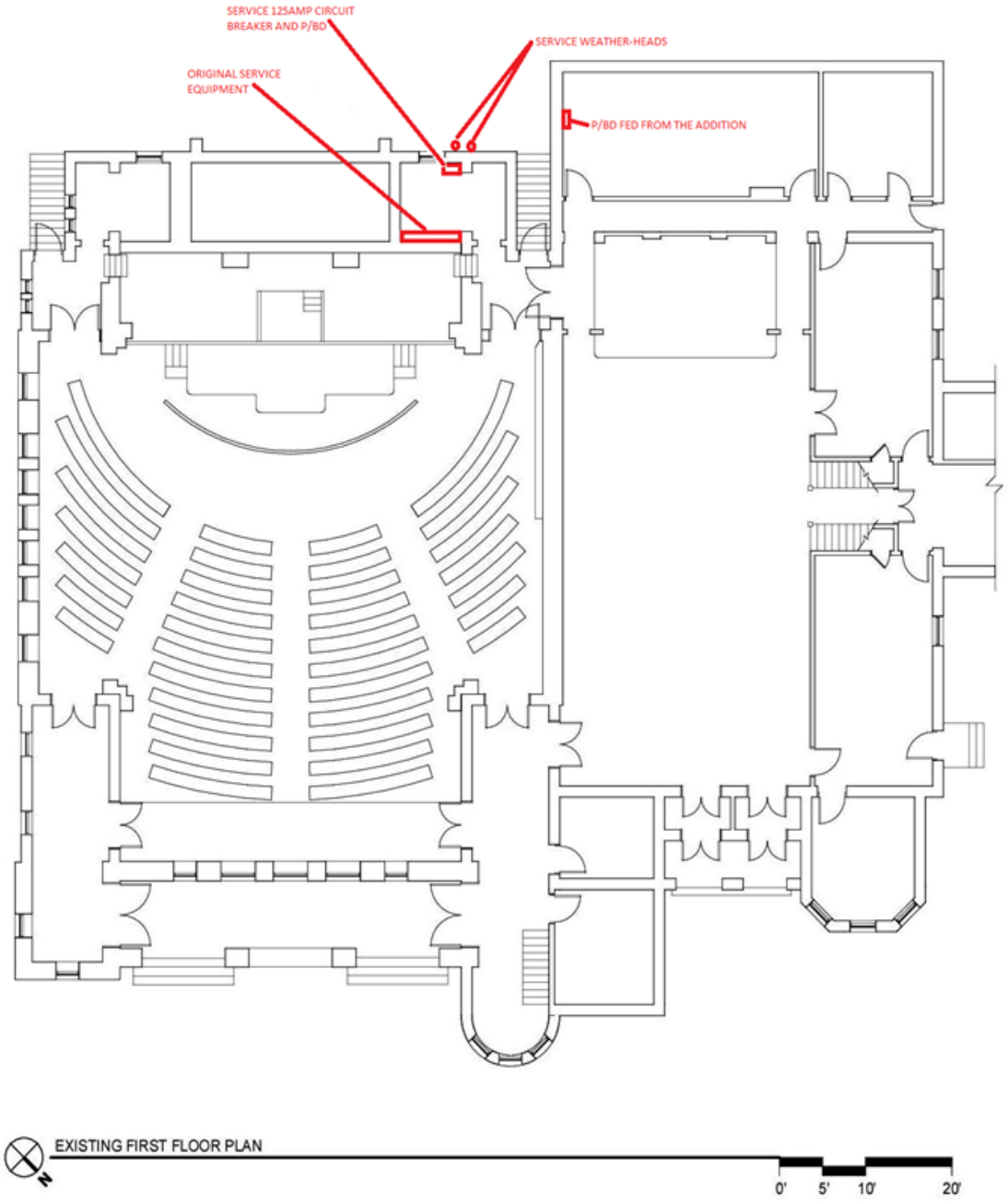
Lightning Protection System

There is no lightning protection system mounted on this building. We understand this building has been struck three times by lightning. The Lynchburg area is prone to lightning strikes and we would recommend a lightning protection system be installed on this building should it be renovated for public use.

Conclusion

Remove all of the electrical equipment, wiring devices, wiring, and light fixtures as possible. Maintain what is necessary to provide heat in the building. Provide plaques at the 1900s original building service and the 1940s addition service that identify all disconnects involved to de-energize the power to the 1900s building.

Should the building be repurposed and renovated for new occupancy, the entire electrical system shall be demolished. A new electrical system shall be provided, per the currently adopted code.


SERVICE 125AMP CIRCUIT BREAKER AND P/BD
SERVICE WEATHER-HEADS
ORIGINAL SERVICE EQUIPMENT
P/BD FED FROM THE ADDITION
EXISTING FIRST FLOOR PLAN
N
0'
5'
10'
20'

Report:	Progress Cost Estimate	*Prepared by: Downey & Scott, LLC*	Status:	Concept Design	PM: gs		
Project:	West Building Stabilization Study	*6799 Kennedy Road, Suite F*	Client:	Moseley Architects	Checked by: bd		
Location:	Lynchburg, VA	*Warrenton, Virginia 20187*	Submissn:	March 2, 2017	Job no: 17014		
Documents Dated:	February 17, 2017	*Ph 540.347.5001 Fax 540.347.5021*	Run Date:	See footer			
		www.downeyscott.com	Revised:				
LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION

WEST BUILDING STABILIZATION STUDY

PROJECT HARD CONSTRUCTION COST SUMMARY

MAIN SUMMARY OF COSTS FOR SELECT BUILDING RENOVATIONS		carried forward			
Stabilization - Exterior & Stuctural only		23,810	GSF	$152.48	$3,630,649
		carried forward			
Interior Renovation allowances	*Selective demolition & finishes allowance*	23,810	GSF	$50.22	$1,195,743
	HVAC Systems replacement allowance	23,810	GSF	$59.52	$1,417,241
	Plumbing systems replacement allowance	23,810	GSF	$18.36	$437,067
	Electrical Systems replacement allowance	23,810	GSF	$44.16	$1,051,333
TOTAL ESTIMATED HARD CONSTRUCTION COSTS FOR RENOVATIONS					$7,732,033
	Cost per SF of Floor area				*$324.74*

Note: all project Soft Costs are excluded from this estimate
add for Design Fees, FF&E and other Owner Soft Costs

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LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION

EXTERIOR AND STRUCTURAL STABILIZATION - CONSTRUCTION COST SUMMARY

Interior Renovation	*23,810.00*	*Gross Square Feet*
Exterior Renovation	*9,690.00*	*Surface Area SF*

HARD COSTS	**STABILIZATION - EXTERIOR & STRUCTURAL ONLY**					
HARD COSTS					*Cost per SF*	
HARD COSTS						
HARD COSTS	**Exterior and Structural Stabilization to Existing Building**			*Carried forward*	*$121.84*	**$2,901,037**
HARD COSTS						
HARD COSTS	**Sitework - restore disturbed areas**			*Carried forward*	*N/A*	**$15,944**
HARD COSTS						
HARD COSTS	***Subtotal***					**$2,916,980**
HARD COSTS	**Escalation to construction mid point**	**Assume Bid 4th Qtr 2017**		**3.72%**		**$108,560**
HARD COSTS	***Subtotal***					**$3,025,541**
HARD COSTS	**Project Design & Construction Contingency**			**20.00%**		**$605,108**
HARD COSTS	***Subtotal***					**$3,630,649**
HARD COSTS						
HARD COSTS	***Total Stabilization Hard Construction Costs***					***$3,630,649***

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	00.00		**STABILIZATION - EXTERIOR & STRUCTURAL RENOVATIONS**				
Stabilization	00.50	SELECT BLDG. DEMO	General architectural demo & prelim clean up	9,690.00	SF	3.00	29,070.00
Stabilization			Misc. demolition/prep/patch	9,690.00	SF	0.85	8,236.50
Stabilization			Slate roof demo - salvage	10,114.00	SF	9.25	93,554.50
Stabilization			Flat roof demo	2,915.00	SF	3.00	8,745.00
Stabilization			Roof flashing/gutter/trim demo	1,500.00	LF	4.50	6,750.00
Stabilization			Window & door demo	581.00	SF	7.50	4,357.50
Stabilization			Tower ceiling demo	120.00	SF	4.75	570.00
Stabilization			Scaffold building	21,850.00	GSF	2.88	62,818.75
Stabilization			Forklift rental	6.00	MO	4,000.00	24,000.00
Stabilization			Boom lift rental	3.00	MO	12,000.00	36,000.00
Stabilization			Debris disposal off site	162.80	CY	45.00	7,325.83
Stabilization			Remote area staging & mobilizations	1.00	LS	50,000.00	50,000.00
Stabilization			Hazmat abatement			Not included	
Stabilization	01.00	FOUNDATIONS	Section Not Used	0.00	GSF	0.00	0.00
Stabilization	02.00	SUBSTRUCTURE	Roof joist stabilzation - allowance	1,954.35	SF	11.00	21,497.85
Stabilization			Rem & replace failed floor girder, LVL	18.00	LF	217.00	3,906.00
Stabilization			Drill & lagbolt cracked floor girders	36.00	LF	31.15	1,121.40
Stabilization			Add LVL bolsters to floor girders	72.00	LF	53.00	3,816.00
Stabilization			Demo & replace tower floors/framing, 5 levels	650.00	SF	67.00	43,550.00
Stabilization			New steel ships ladders for tower floors	100.00	VLF	275.00	27,500.00
Stabilization			Temp bracing, jacking & shoring for struct repairs/mods	1.00	LS	3,500.00	3,500.00
Stabilization	03.00	SUPERSTRUCTURE	Misc wood blocking	9,690.00	SF	0.12	1,162.80
Stabilization			Wood blocking grounds for windows & door openin	2,047.00	LF	17.00	34,799.00
Stabilization			Roof deck replacment - allowance	2,605.80	SF	6.25	16,286.25
Stabilization			Replacement tower ceiling framing	120.00	SF	8.25	990.00
Stabilization	04.00	EXTERIOR CLOSURE	Exterior caulking & sealants - general	9,690.00	SF	1.90	18,411.00
Stabilization			Exterior window/door caulking	2,047.00	LF	2.15	4,401.05
Stabilization			Exterior window/door replacement - std elements	581.00	SF	125.00	72,625.00
Stabilization			Exterior door hardware replacement	1.00	LS	15,000.00	15,000.00
Stabilization			Exterior stained glass sash re-lead	1,100.00	SF	200.00	220,000.00
Stabilization			Exterior stained glass sash woodwork	1,450.00	SF	22.00	31,900.00
Stabilization			Exterior stained glass sash frame replacement	1,453.00	LF	35.00	50,855.00
Stabilization			R&R arch cast stone elements - allowance	200.00	LF	71.00	14,200.00
Stabilization			Rem & re-set exist. veneers - allowance	1,000.00	SF	37.00	37,000.00
Stabilization			Exterior existing wall point-up	17,077.04	SF	8.00	136,616.32
Stabilization			Exterior existing wall cleaning & sealing	17,077.04	SF	10.00	170,770.40
Stabilization			Wall removal & replacement - allowance	2,500.00	SF	110.00	275,000.00
Stabilization			R&R stone copings at roof lines	325.00	LF	37.00	12,025.00
Stabilization			R&R brick veneer - allowance	500.00	SF	55.00	27,500.00
Stabilization			Replacement tower ceiling	120.00	SF	14.00	1,680.00
Stabilization			Exterior trim replacement - allowance	2,000.00	LF	9.50	19,000.00
Stabilization			Exterior painting	9,690.00	SF	2.10	20,349.00
Stabilization			Debris disposal specific to this section	110.00	CY	45.00	4,950.00

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LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION
Stabilization	05.00	ROOFING	EPDM roofing & insulation	2,796.00	SF	9.50	26,562.00
Stabilization			Flat metal roofing & insulation - copper	119.00	SF	42.00	4,998.00
Stabilization			Slate roofing	10,114.00	SF	26.50	268,021.00
Stabilization			Underlayment - Ice water shield	10,114.00	SF	4.00	40,456.00
Stabilization			Flashings - copper	1,500.00	LF	40.00	60,000.00
Stabilization			Rem., repair & re-install mtl ridge caps	205.00	LF	35.00	7,175.00
Stabilization			Replacement ridge caps for damage - allowance	30.75	LF	72.00	2,214.00
Stabilization			Gutters - copper	350.00	LF	23.50	8,225.00
Stabilization			Downspouts - copper	275.00	LF	24.00	6,600.00
Stabilization			Snow guards - bronze	350.00	EA	31.00	10,850.00
Stabilization							
Stabilization	06.00	INTERIOR CONST	Repair around replaced windows/doors	2,354.05	LF	6.00	14,124.30
Stabilization			Interior painting at windows/doors	2,047.00	SF	2.35	4,810.45
Stabilization			Interior 'patch' painting at windows/doors	1.00	LS	3,500.00	3,500.00
Stabilization							
Stabilization	07.00	SPECIAL EQUIPMENT	Section Not Used	0.00	GSF	0.00	0.00
Stabilization							
Stabilization	08.00	CONVEYING	Section Not Used	0.00	GSF	0.00	0.00
Stabilization							
Stabilization	09.00	MECHANICAL HVAC - LIMITED IMPROVEMENTS	Roof penetration repairs - allowance	1.00	LS	5,000.00	5,000.00
Stabilization			Replace mech unit -new 15 ton @ sanctuary	1.00	EA	35,700.00	35,700.00
Stabilization			Ductless split heat pumps - 1.5 ton	2.00	EA	4,100.00	8,200.00
Stabilization							
Stabilization	9.20	PLUMBING - EXTERIOR ONLY	Reconnect interior roof drains - allowance	1.00	LS	10,000.00	10,000.00
Stabilization							
Stabilization	9.30	FIRE SPRINKLER	Section Not Used	0.00	GSF	0.00	0.00
Stabilization							
Stabilization	10.00	ELECTRICAL - EXTERIOR ONLY	Lightening protection - allowance	1.00	LS	22,000.00	22,000.00
Stabilization			R&R exterior lighting - allowance	1.00	LS	5,000.00	5,000.00
Stabilization							
Stabilization	11.00	MARK-UPS	Subtotal				2,165,275.90
Stabilization			General Conditions	10.00%			216,527.59
Stabilization			Subtotal				2,381,803.49
Stabilization			Gc OH & Profit	20.00%			476,360.70
Stabilization			Subtotal				2,858,164.19
Stabilization			Bonds & insurance	1.50%			42,872.46
Stabilization			**Subtotal**	9,690.00	**SF**	**$299.38**	**2,901,036.66**

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Stabilization			**SITEWORK**				
Stabilization							
Stabilization	12.05	SITE DEMO CLR/GRUB			Excluded		
Stabilization							
Stabilization	12.10	ENVIRONMENTAL	Controls, re-seed, sod	1.00	LS	3,800.00	3,800.00
Stabilization			Tree protection allowance	1.00	LS	600.00	600.00
Stabilization							
Stabilization	12.20	EARTHWORK	Strip & store topsoil		Excluded		
Stabilization							
Stabilization	12.25	PRIMARY WATER			Excluded		
Stabilization							
Stabilization	12.30	SANITARY SEWER			Excluded		
Stabilization							
Stabilization	12.35	STORM WATER MGT			Excluded		
Stabilization							
Stabilization	12.40	SITE ELECTRIC			Excluded		
Stabilization							
Stabilization	12.45	PRIMARY TELEPHONE			Excluded		
Stabilization							
Stabilization	12.50	PRIMARY GAS			Excluded		
Stabilization							
Stabilization	12.55	CABLE TV			Excluded		
Stabilization							
Stabilization	12.60	PAVING			Excluded		
Stabilization							
Stabilization	12.61	SITE CONCRETE			Excluded		
Stabilization							
Stabilization	12.65	LANDSCAPING	Repair - allowance	1.00	LS	7,500.00	7,500.00
Stabilization							
Stabilization	12.70	FUEL DISPENSING	Not Used		Excluded		
Stabilization							
Stabilization	**12.75**	SPECIALTIES			Excluded		
Stabilization							
Stabilization	**11.00**	MARK-UPS	Subtotal				11,900.00
Stabilization			General Conditions	10.00%			1,190.00
Stabilization			Subtotal				13,090.00
Stabilization			Gc OH & Profit	20.00%			2,618.00
Stabilization			Subtotal				15,708.00
Stabilization			Bonds & insurance	1.50%			235.62
Stabilization			**Subtotal**				**15,943.62**

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LOC REF	SYS #	UNIFORMAT SYSTEM	SPECIFICATION	QUANTITY	U/M	UNIT COST	EXTENSION
Interior Renovation		***Interior Renovation allowances***					
Interior Renovation							
Interior Renovation		**Selective Architectural Demolition**	***Selective demolition & finishes allowance***	**23,810**	**GSF**	**$1.80**	**$42,858**
Interior Renovation		**Carpentry and millwork allowance**		**23,810**	**GSF**	**$3.60**	**$85,716**
Interior Renovation		**Doors, frames & Hardware allowance**		**23,810**	**GSF**	**$2.80**	**$66,668**
Interior Renovation		**Finishes - ceilings walls and floors allowance**		**23,810**	**GSF**	**$26.08**	**$620,965**
Interior Renovation			*Subtotal*				***$816,207***
Interior Renovation			GC Markups / Bonds Insurance / Gen Conditions			**31.50%**	**$257,105**
Interior Renovation			Contingency			**15.00%**	**$122,431**
Interior Renovation			Total for Interior Finishes				**$1,195,743**
Interior Renovation			Cost per SF of floor area				**$50.22**
Interior Renovation							
Interior Renovation							
Interior Renovation							
Interior Renovation		**HVAC Systems replacement allowance**	***Demo, replace ductwork, equipment and controls***	**23,810**	**GSF**	**$40.63**	**$967,400**
Interior Renovation			*Subtotal*				***$967,400***
Interior Renovation			GC Markups / Bonds Insurance / Gen Conditions			**31.50%**	**$304,731**
Interior Renovation			Contingency			**15.00%**	**$145,110**
Interior Renovation			Total for HVAC replacement				**$1,417,241**
Interior Renovation			Cost per SF of floor area				**$59.52**
Interior Renovation							
Interior Renovation							
Interior Renovation							
Interior Renovation		**Plumbing systems replacement allowance**	***Demo***	**23,810**	**GSF**	**$1.80**	**$42,858**
Interior Renovation			***New plumbing fixtures, water, DWV systems***	**23,810**	**GSF**	**$10.73**	**$255,481**
Interior Renovation			*Subtotal*				***$298,339***
Interior Renovation			GC Markups / Bonds Insurance / Gen Conditions			**31.50%**	**$93,977**
Interior Renovation			Contingency			**15.00%**	**$44,751**
Interior Renovation			Total for Plumbing replacement				**$437,067**
Interior Renovation			Cost per SF of floor area				**$18.36**
Interior Renovation							
Interior Renovation							
Interior Renovation							
Interior Renovation		**Electrical Systems replacement allowance**	***Demo***	**23,810**	**GSF**	**$1.05**	**$25,001**
Interior Renovation			***Electrical Switch gear, Power & Lighting***	**23,810**	**GSF**	**$22.95**	**$546,440**
Interior Renovation			***Fire Alarm***	**23,810**	**GSF**	**$3.70**	**$88,097**
Interior Renovation			***Voice and Data***	**23,810**	**GSF**	**$2.44**	**$58,096**
Interior Renovation			*Subtotal*				***$717,633***
Interior Renovation			GC Markups / Bonds Insurance / Gen Conditions			**31.50%**	**$226,055**
Interior Renovation			Contingency			**15.00%**	**$107,645**
Interior Renovation			Total for Electrical replacement				**$1,051,333**
Interior Renovation			Cost per SF of floor area				**$44.16**

Appendix B – September 9, 2008 West Building Condition Survey by Nolen Frisa Associates & Team

WEST BUILDING CONDITION SURVEY
AND
ADAPTIVE RE-USE EVALUATION

PREPARED FOR

PUBLIC WORKS DEPARTMENT
BUILDINGS AND GROUNDS DIVISION
CITY OF LYNCHBURG, VA

September 9, 2008

by

Nolen Frisa Associates, PC
Consulting Structural Engineers
103 Homestead Drive, Forest, VA 24551

Robert Winthrop and Associates, Architects
One Mill Street, Farmville, VA 23901

Mayes Engineering, Inc.
Consulting Mechanical/Electrical/Plumbing Engineers
100 Timber Oak Court, Lynchburg, VA 24502

KSKB Enterprises, Inc.
Consulting Electrical Engineers
22174 Timberlake Road, Suite H, Lynchburg, VA 24502

W.A. Lynch Roofing Company
Roofing Consultants
4728 South Amherst Highway, Madison Heights, VA 24572

WEST BUILDING EVALUATION

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C. General Overview and Summary

Individual Reports:

I. Architectural Narrative…… Robert Winthrop & Associates

II. Structural Narrative…….. Nolen Frisa Associates, PC

III. Mechanical & Plumbing Narrative… Mayes Engineering, Inc.

IV. Electrical Systems Narrative…….... KSKB Enterprises, Inc.

V. Roof Evaluation…… W.A. Lynch Roofing Company

Appendices:

a. Selected Photographs

b. Floor Plan Sketches

c. Stabilization and Renovation Cost Estimate (3 pages)

d. All Inspection Photographs on CD

A. PREFACE:

This report consists of five (5) separate sections prepared by each of the evaluation team consultants involved in the study of the West Building, beginning in late 2007 and finishing in August 2008. A combined summary and overview has also been prepared to integrate the five system evaluations presented in the report body.

The individual reports consist of the following system evaluations:

- **Architectural and Building Code Assessment**
- **Structural Floor Condition Evaluation in Main Sanctuary**
- **Mechanical and Plumbing Systems Evaluation and Cost Summary**
- **Electrical Systems Evaluation and Cost Summary**
- **Roof Condition Assessment**

Additionally, several sketches of the existing framing and a general floor plan of the entire building, including the portion presently occupied by the Police Department, have been included as part of the record documentation of the existing building.

Selected photographs illustrating typical conditions around the building have also been presented in a photographic appendix. Additionally, a separate CD of all photographs taken during the evaluation, including those taken by Lynch Roofing, are included for reference in a separate folder at the end of the report.

B. EXECUTIVE SUMMARY:

This report provides a condition assessment of the West Building structure that is owned by the City of Lynchburg and is currently being partially used by the Police Department. The report focuses on the un-used portion of the building, namely the original 1900 church building, which consists of a main sanctuary, fellowship hall, and auxiliary spaces on the back (south) end of the building.

The report was prepared by a multi-discipline architecture and engineering team consisting of:

Robert Winthrop and Associates, Architects
Nolen Frisa Associates, PC, Consulting Structural Engineers
Mayes Engineering, Inc., Mechanical/Electrical/Plumbing Engineers
KSKB Enterprises, Inc., Electrical Engineers
W.A. Lynch Roofing, Inc., Roofing Consultants

The focus of the building assessment/study was to provide a physical condition evaluation of the existing building construction, with major emphasis on adaptive re-use by the City of Lynchburg.

Our team's assessment of the building is summarized by the following major points:

- The total first floor square footage of the West Building, including the education wing and center connector presently occupied by the Police Department, is approximately 9,230 square feet. The second floor level of the 1942 education wing adds another 3,100 square feet of space, for a total nominal floor space of 12,330 square feet.

- The un-used portion of the building, which consists of the original 1900-era church sanctuary and fellowship hall, is approximately 4,380 square feet on the ground floor level, or slightly less than one half of the total area. A small second floor area of approximately 1,170 square feet is also present. The addition of a full second floor over most of the original fellowship hall area would result in another 1,460 square of space, yielding a total of 6,990 square feet.

- By the current Virginia Uniform Statewide Building Code (IBC 2006, w/VA amendments), the construction type classification for the structure would be Type VB (combustible/non-combustible, unprotected) for the original 1900 construction, and Type IIA (non-combustible, unprotected) for the 1942 classroom wing addition.

- Basic building area and height limitations based on construction type, from Table 503 of IBC 2006, would be based on the lower construction classification above (Type VB), since the original building and its addition

do not have a rated fire separation. Some area increase might be permissible based on excess street frontage.

- Assuming a possible future use of A-3 (Assembly Use and Occupancy per Chapter 3 of IBC 2006, such as a community or lecture hall), tabular square foot limitations of the building would be 6,000 square feet per floor plan area, based on Table 503. The building would also be limited to a single story under this classification.

- Assuming possible future use of B (Business Use and Occupancy, similar to the present use by the Police Department), the permissible square footage for Type VB construction is 9,000 square feet per floor plate, with a 2-story height limitation in accordance with Table 503.

- The exterior shell of the 100+ year-old building is generally in good shape, with the exception of some sections of the original metal roof and a portion of the original built-up roof over the kitchen/auxiliary spaces. Some brickwork repairs are also needed, but are generally minor.

- There are no signs of major structural problems in the existing building, such as major settlement cracking, sagging floors and the like. Some localized failures in the wood floor framing system under the sanctuary are present, but can be easily repaired and/or upgraded as needed.

- The existing mechanical/electrical/plumbing systems in the building are either non-functional or antiquated at best, and would require major replacement and upgrade as part of any future use of the building.

- The floor structure of the sanctuary is generally suitable for continued use as fixed-seating assembly area with respect to load capacity, and could support office loading requirements without significant modification.

- There is potential for a limited second floor addition in the fellowship hall area of the original 1900 construction, which would provide additional space for office or other similar uses.

- The present lack of a functioning heating system in the 1900 portion of the building is contributing to moisture infiltration and continuing deterioration of the masonry walls. A priority for maintaining the “status quo” in the building, even if un-used for the near future, should be to provide a minimum heating system for winterization of the building.

- Conversion of the structure to a different use group by code classification will require some major improvements to all building systems, including handicapped accessibility. Because of the uniqueness of this structure,

some variances to code requirements will likely need to be proposed and accepted as part of the adaptive re-use plan.

- The building continues to be a major contributing architectural structure to the downtown historic core area of the City of Lynchburg and can be adapted to a number of possible uses that will maintain its present character and aesthetic integrity.

C. GENERAL OVERVIEW AND SUMMARY:

The purpose of this report is to provide an existing condition assessment and evaluation of the West Building for the City of Lynchburg, with focus on possible uses of the property by the City. As part of this study, a team of architects and engineers made several site visits to the property to evaluate and measure existing construction, with particular emphasis on the condition of the exterior elements of the building, namely the walls and roof structure. As part of the study, a roofing consultant familiar with slate and metal roof construction, W. A. Lynch Roofing, was brought in to evaluate the roof and flashings of the building. This report summarizes the findings of the consultants with respect to existing condition and possible adaptive re-use of the building.

There are no known surviving design drawings for the original church building, which makes a detailed analysis of the building difficult, if not impossible, at least from the standpoint of many of the structural and architectural conditions in the building. This study focuses on those elements which were accessible for viewing and inspection without destructive demolition.

Should a new use for the building be developed in the future, some substantial evaluation which will include destructive demolition should be undertaken, as many of the key elements of the building structure are not accessible for evaluation. However, that being said, the overall good condition of the building based on a visual inspection, coupled with the age of the building, would generally lead to the conclusion that the building was well designed and well constructed, having endured the test of age and use for over one hundred years.

The West Building is a unique property owned by the City of Lynchburg. It was originally constructed as the First Presbyterian Church in 1900, with architectural design by Edward G. Frye, a prominent Lynchburg architect. Later, a large educational wing addition to the west side of the building, designed by local architect J. Everett Fauber, was constructed in 1942. Several renovations have occurred since the west wing was added, but the basic footprint of the building remains that of the two major periods of construction. The building has been used as a church facility for most of its constructed life, with only recent partial use by the City of Lynchburg Police Department.

The City of Lynchburg Police Department currently occupies the west educational wing and the center connector, along with two offices that extend into what was a part of the original 1900 fellowship hall of the church. The main portion of the original construction, which consists of the sanctuary, the majority of the fellowship hall, and the auxiliary spaces to the rear, are currently unused.

The unused portion of the building is in generally good condition, both from a structural and architectural finish standpoint. The exterior masonry is in very good condition for the age of the building, with some cleaning and re-pointing of the brickwork required. Some of the stone lintels have deteriorated and will require repair or replacement---the typical deterioration of the lintels is that of spalling and/or cracking, which is characteristic of stone lintels of this age and type. There is some minor cracking in the

brickwork around the building, and the upper parapet wall over the kitchen area on the rear of the building is in need of repair or re-building, likely a problem associated with leakage around the flashings, coupled with thermal movement.

Structurally, the elements which were accessible to our investigation, namely the floor structure of the sanctuary, is in good condition overall. There are some local failures of the wood framing which will require removal and replacement, but overall, there is little sign of deterioration from either moisture or insect damage. The quality of the wood material is excellent, most likely southern yellow pine, which is both a very strong wood and a very durable wood, particularly for wood of 1900 era construction. By virtue of the fact that framing of this type is “repetitive” framing, occasional defects and failures in the floor system can be supported by adjacent construction, with minimum impact to the overall load capacity of the floor system.

The roof structure was generally inaccessible for inspection, except for a portion of the roof over the old fellowship hall area, which has access to the attic space. Here, several tie elements had been added to prevent further sagging of the original structure, but overall the existing framing in this area is now stable and in good condition. The small section of 2nd floor construction in the fellowship hall area is not accessible for inspection, but based on its condition when walking over it, it appears to be structurally sound.

The exterior roofing materials themselves are in varying degrees of conditions. Although over 100 years old, most of the slate roof area is in relatively good shape, with some loose or damaged material. The sloping metal portions of the roof, particularly those over the fellowship hall/kitchen/auxiliary space portion of the building on the south side, are in very poor condition. The sloping roof over the northwest turret on the front of the building is also in very poor condition and can be considered to be fully failed as a watertight barrier.

Looking at possible uses of the building from a current building code standpoint, there are a number of outstanding issues which are present, some positive and some negative. Some of these issues can be overcome by construction modifications, alterations, or repairs, depending upon the ultimate use of the building. Others may require “conditional use” or approval of variances from the current code, something typical of adaptive re-use of old structures of this type.

From a positive standpoint, the building generally has sufficient egress capacity in its exterior doors to provide safe egress for nearly all uses, including assembly use, which would require the most occupant load consideration. The building has virtually no on site parking, a problem generally associated with older “downtown” structures, but is immediately adjacent to a city-owned parking deck, which could provide close parking to the building. The basic building “shell” structure is of very high architectural quality, and is constructed of generally durable and high quality materials. The wood framing system present in the main floor structure of the sanctuary and stage area is readily adaptable to different uses, and can be easily supplemented with respect to additional load capacity if required by the specific use.

The layout of the building, with respect to its ties to the connector to the 1942 educational wing addition, allows for good separation of uses and occupancies, should that be desirable. The original fellowship hall area on the west side of the 1900 construction has sufficient height to accept a second floor level addition, adding usable floor space within the confines of the present building shell. Full supplemental structure would be required to support this space, and new stairwells and/or an elevator would need to be installed to provide access to the 2nd level, as well as means of egress from the upper space.

From the negative standpoint, the building as it presently exists lacks an operable heating, cooling and ventilating system, and its electrical system is antiquated. Plumbing systems are nearly non-existent in the building, consisting of only a single bathroom on the 2nd floor level, and water supply and waste piping in the kitchen/auxiliary space on the rear of the building. A completely new mechanical, electrical and plumbing system will need to be installed to make the building functional for nearly any proposed use.

There is currently no system of emergency lighting or designation of exits, and an alarm system for either security purposes or fire detection purposes is also completely lacking, and would have to be added as part of the building's adaptive re-use.

Replacement of the metal flashing portions of the roof system throughout the building, along with the original built-up low slope roof over the kitchen area and flat seam metal roof on the northwest turret, along with selected slate repairs, will also be required to re-establish the watertight integrity of the roof, critical for long-term preservation and survival of the structure. Minor to moderate repairs of the existing brick masonry, including some replacement, cleaning and pointing, along with repairs to a number of the stone lintels and window sills, would also be necessary to extend the watertight integrity of the building.

Handicapped accessibility to the original sanctuary and fellowship hall portions of the building covered by this study are essentially non-existent. Present access to the overall building complex is provided by a ramp at the center connector portion of the building which is currently being used by the Police Department, and would not be considered adequate for access to a large sanctuary/assembly space. Fortunately, there appears to be room on the site to add additional ramps at the front (north) face of the building, which could likely be blended into the present architecture without too much problem.

In evaluating a building such as this for adaptive re-use, another major issue that comes up is the consideration of seismic loading on such structures. Keeping in mind that Virginia did not adopt a statewide building code until 1972, and that seismic considerations were generally exempted in low rise buildings until the adoption of the International Building Code (IBC) series of codes in 2001, it is highly unlikely that this building will comply with seismic requirements in the present code. This is a fine point in code interpretation, given the fact the original building was never use-group classified, since all major renovations and additions took place before the adoption of a building code.

Masonry bearing wall structures of this nature, particularly older churches with tall steeples, are very difficult and expensive to retrofit structurally from a seismic standpoint. Even if the use of the building is not changed from its original use, which would have been A or assembly use group by any of the series of adopted Virginia codes, major renovation would generally trigger the requirement to bring the building up to current code standards with regards to seismic loads.

In this case, significant changes to both the exterior and interior appearance would likely be required for seismic retrofit. It might be more prudent to focus on the upgrades that could be made “reasonably” and allow the building to fall under an exception granted by the code official, as long as the general safety of the public can be achieved by the best practical means of reinforcement.

Overall, the original church building has strong potential for a number of possible uses. It is a key architectural element in the historic downtown area, and is of extremely high construction quality, and with some maintenance and repairs, should have a long and useful life as an adaptive re-use structure.

I. ARCHITECTURAL NARRATIVE

WEST BUILDING

ROBERT WINTHROP AND ASSOCIATES, ARCHITECTS

The West Building Architectural Report

The West Building was built as the First Presbyterian Church and consists of two parts. The oldest part of the building was built in 1900 designed by Edward G. Frye. It is a monumental building of the highest architectural quality. The exterior is stone and brick with elaborate architectural ornamentation and an impressive tower. Frye was one of Lynchburg's most important and distinguished architects, and this is the most elaborate of his churches.

Inside the building, the original auditorium is an architecturally significant space that is unusually well preserved. All architectural elements are in comparatively good condition. Windows, moldings and woodwork remain as designed and most are in good condition. The major problems in the room are due to deteriorating flashing and gutters and to the lack of climate control in the winter.

While the building was a church, the room was designed as an auditorium. The great arches that dominate the room as associated with the progressive Richardson Romanesque style and show the influence of Louis Sullivan. Architecturally the room could be a civic or university auditorium as much as a church sanctuary. The room has excellent site lines and the seating wraps around a platform. The main focal point was the organ. The only overt religious symbolism is in the stained glass windows.

The church's fellowship hall is next to the auditorium space. That was part of the original building. While this is a large, two story space, modifications undertaken in the 1950s leave it without architectural merit. It was originally connected to the church auditorium by three, stained glass filled, arched openings. These were operable and made it possible to use this room for overflow seating. The kitchen and service rooms behind the fellowship hall are without architectural merit and are in poor condition compared to the Auditorium space.

The third part of the building is a distinguished, two story Sunday school wing designed by J. Everett Fauber in 1942. Linked to the older building by an enclosed cloister walk, with a central room this is an usually sensitive addition for the period.

Code analysis:

The West Building was erected well before modern codes. However, it was architecturally designed and built according to the highest standards of the time. Exterior walls are solid masonry. The slate roof is supported by a massive timber truss system. The building materials, stone, brick, oak southern yellow pine, and slate, have long life spans and are generally low maintenance materials.

The slate roof portions of the building are in much better condition than the flat roofed sections. Fortunately, the elaborate auditorium is under the slate roof. The flat roofed portions of the building are the kitchen and storage rooms. These areas are more deteriorated. These rooms have no architectural elements that would need restoration.

Any one hundred and seven year old building needs to have its mechanical, electrical and plumbing systems upgraded. It appears there were some improvements made in the 1940s when the Sunday School wing was added. Additional improvements appear to have been made in the 1950s and 60s. It seems the fellowship hall was reworked, since the stained glass archways were sealed and a stage built to serve the revamped room. Rather oddly, the new stage cut off the kitchen from the fellowship hall. Serving from the kitchen must have been inconvenient. The kitchen area is in poor condition and no equipment or finishes are usable from this room. One original toilet room survives on the second floor of the building. New toilet facilities were provided in the 1942 addition.

The main auditorium has four remotely located means of egress which provide more exiting capacity then is required for the building by modern codes. Most of these doors are five foot pairs, but could easily be retrofitted with 3'-0" handicapped accessible doors.

The sloped floor of the auditorium provides exceptionally good sight lines. The broad arches and trusses, clear span the room, so there are no interior columns. The floor slopes a total of only 18 inches so there is no problem leveling the floor if a non auditorium use is developed.

The electrical system appears to have been upgraded in the 60s, since breaker panels have replaced the original fuse boxes. These upgrades are entirely out of date today, and only the electrical and mechanical portions of the building used by the Police Department are salvageable today.

Reuse of an architecturally distinguished building presents both opportunities and problems. The ideal use of the building would take advantage of the building’s strengths.

In dealing with an architecturally and historically significant building, it is most desirable to find a use similar to the original use. As an auditorium style church, an auditorium type use would be best fit. This is both architecturally appropriate and the most economical approach to development. With electrical, mechanical and architectural restorations the room could easily become an auditorium for lectures, concerts and public hearings.

While it is not particularly well suited for office use, with a leveled floor the former sanctuary could accommodate an open office area and still retain the basic architectural elements of the room.

The former fellowship hall has few limitations for use. It could be developed as an open office area. It would also be possible to insert a second floor and double the usable square footage.

There are many possibilities for reuse of the building. We have produced a scheme that uses part of the building as expanded facilities for the Police department, and the rest as a large meeting room and a small auditorium. These could be used for training

purposes as well as for hearings, lectures and small performances. It is possible to use the meeting room and auditorium independently of the police office area.

The West Building

Architectural Repair and Maintenance items.

The exterior of the building is in exceptionally good condition for a century old building. Doors and windows need to be repainted and re-caulked. Some of the stone trim may need to be re-caulked also.

Exterior items:

1. Spalled Lintels . The stone lintels of the building are made of a stone that has a tendency to spall, or exfoliate. The stone appears to be 4 inches or more in depth. The exfoliation does not see to be more than 1/8th to 1/4th of an inch.

2. Discolored Lintel. A roof leak in this area had caused a discoloration of a stone band. This should be carefully cleaned.

3. Spalled Sills. The sills are made of the same stone as the lintels. This is the most common exterior problem. Again this deterioration is surface only.

4. Dirty brick. The brick on the bottom 3 feet of the main front of the building has discolored. This brick should be cleaned. Some re-pointing is needed here, but the full extent will be not known until the brick is cleaned. The re-pointing is generally cosmetic and not structural. The exterior walls of the church range between 2 feet and 15 inches thick, and the minor re- pointing of the exterior has little or no impact on the strength of the walls. It does, however, prevent further deterioration and moisture infiltration which can damage the brick.

5. Parapet wall repair. The end of the kitchen parapet wall is deteriorated and needs to be rebuilt. Reworking of the roof flashing is also required at this location.

6. Remove paint. There are several paint patches on the exterior of the kitchen brick that should be removed and the brick restored.

7. There is a diagonal crack in the brick at the window.

Interior Items:

All interior finishes are old and need to be refreshed. In the former worship space all major decorative elements are intact and are well preserved. The wood work retains its original finish. There are few items of note in the minor rooms and in the former fellowship hall.

Interior problems are related to two items. Flat roofed areas over the rear kitchen area and over the turret on the front elevation are failing and leak. The building has not been heated or cold for several years and this contributes to continuing plaster deterioration.

1. Plaster deterioration:

    1.a The high walls of the gables have some plaster deterioration.

    1.b Plaster walls are deteriorated under the stair well turret on both floors.

    1.c The walls under the flat roofed vestibule are deteriorated.

    1.d The ceiling and walls under the flat roof of the kitchen area are deteriorated.

2. The interior stained glass windows in the sanctuary are bowed.

II. STRUCTURAL NARRATIVE

WEST BUILDING

MAIN SANCTUARY
FLOOR LOAD EVALUATION

NOLEN FRISA ASSOCIATES, PC
CONSULTING STRUCTURAL ENGINEERS

September 9, 2008

Mr. Randy Dalton
City of Lynchburg

SUBJECT: West Building, 805 Court Street (Formerly First Presbyterian Church)
Structural Evaluation
Main Sanctuary Floor Evaluation
NFA Comm. No. 07370

Mr. Dalton:

This letter report will summarize the structural related findings regarding the inspection of the main floor areas of the West building (formerly First Presbyterian Church) below the sanctuary/chancel and nave and is part of the overall building assessment and evaluation. As part of the general evaluation we were requested to inspect and document the principal structural components of the existing floor system, and using this information, evaluate the individual members to determine the existing load capacity of the floors based on current building code requirements. It is the intent of the City of Lynchburg, in concert with the consultants to evaluate the present condition of the building, provide adaptive use alternatives and develop general cost estimates for any proposed maintenance repairs and/or renovations that may result from these findings.

The original construction of this portion of the Church dates to 1899-1900 and was the primary building for the First Presbyterian Church until around 1952, when presumably it was 'sold' to First United Methodist. It continued to function as a place of worship until it was purchased by the City of Lynchburg in the mid 2000's. The construction appears to consist of solid masonry walls (brick exterior) bearing on solid stone foundation walls, full cut wood floor joist over crawl space/basement areas with some modified and over-framed areas below the choir. The area below the chancel/choir is accessible by a full height basement, with entry gained from a rear door, and contains primarily electrical panels and mechanical equipment. The space immediately above the basement houses the organ pipes at the extreme rear, the organ, centered and flanked on each side by the choir areas which are all separated from the pulpit with a low fully paneled rail. Leading from the mechanical basement area is a crawl space area, above which is predominantly occupied by the semi-circular raked nave. Our documentation of the floor system occurred on September 13, 2007. Three staff members of our firm documented the relationships between floor joist, piers and walls and obtained general floor framing member location/sizes and assessed the overall condition of the floor system below the nave and sanctuary.

During our inspection and documentation of the floor structure we took a number of digital photographs to document existing conditions. All digital photos taken will be retained in our files and are available upon request.

To our knowledge no drawings of the original building construction exist.

INSPECTION FINDINGS:

The floor system below the nave consists primarily of 2 x 12 full cut floor joist, approximately 2 " to 2 ½" in width and 11 ¾" in depth, spaced radially (diverging from east to west) on average 16" center to center. The joist have applied wood sheathing to the top, although it's difficult to determine if the observed underside of the sheathing is in fact direct applied hard wood on the floor above. The visible finish on the floor above is carpet. These joists are supported by three separate girder lines, nominally 8 x 12 timbers in size and placed in arcs which increase in radius as they increase in distance from the pulpit. The timber girders are founded on 24" square stone piers, also in a radial pattern, and placed 8' minimum to 16' maximum center to center.

The majority of the remaining members, below the organ pipes and choir areas are parallel 2 x 12's, spanning a maximum of 18'-8" over the mechanical basement area. The chancel area has a raised platform grid-work of 2 x 6 members over-framing the 2 x 12 joist below, forming the skeleton of the raised platform. The organ is recessed into this platform space and centered on the cancel and nave.

There are a series of excavated earthwork passages that provide access to most areas below the nave, from front to rear, although there is limited headroom in all cases. As stated previously, these are the areas with the radial floor joists, timber girders and stone piers. From below it was difficult to access the areas below the Narthex, which occur on both sides of the church, but it appeared the joist were of the same size and spacing as that of the nave, but parallel and spanning only 10'± between masonry walls.

Based on our inspection observations and experience with similar types of construction and timber from this period (c.1900), we have concluded that the majority of the framing members are a high grade of longleaf pine (syp #1 dense or better). Therefore, we have assigned a minimum allowable bending stress of Fb=1400 psi and a modulus of elasticity of E=1,600,000 psi to all the floor framing members as a basis for our load analysis.

Our analysis was made using the current Virginia Uniform Statewide Building Code (IBC 2006 with Virginia amendments) requirement for floor loads. The floor structure dead loads for sheathing, finishes, and member self weight were estimated to be in the 15.0 psf range and were applied to individual members.

We also took advantage of the adjustment of design values allowed for repetitive framing load increases as specified in NDS 2001, the current applicable code for wood construction. The adjustment factor for this increase is Cr= 1.15, an increase of 15% in the allowable design values for bending and shear.

CONCLUSIONS:

In our opinion, based on our analysis and site observations, most of the main joist of the floor structure meet and exceed minimum code live load requirements of 60 psf for fixed seat assembly areas. It was further determined that most of the heavy timber girders would also to capable of meeting this minimum live load except girder G4, as noted on sketch SK-1. This girder clear spans roughly 16' and has developed a major horizontal shear crack, full length of the timber and is considered to be a failed member. Neither the floor joist nor the girder (G1) below the elevated stage areas of the chancel and choir areas meet the current code required minimum live load of 125 psf for 'stages', but could meet or exceed alternate use group applications of 70 psf or less.

The existing floor joist live load capacity, based on an allowable total deflection of L/360, was determined as follows:

1.) 1J1 -2 ¼" x 11 ¾" full cut joist, 18'-8" span……. 80 psf (chancel & choir areas)

2.) 1J2 -2 ½" x 11 ¾" full cut joist, 20'-8" span …… 75 psf (pulpit)**: Controls**

3.) 1J3 -2" ± x 11 ¾" full cut joist, 16'-0" span ……. 100 psf (nave)

The existing floor girder live load capacity, based on maximum allowable stress, was determined as follows:

1.) G3 -7 ¾" x 11 ¾" girder, 12'-6" span …… 70 psf (nave)

2.) G4 -9 ½" x 11 ¾" girder, 16'-0"± span …… 60 psf (nave)**: Controls**

Based on the above findings, we would not have a problem with the addition of adaptive use alternates in these existing spaces but would suggest that the joist be reinforced where necessary by providing supports at mid-span with a new girder line to minimize excess deflection and vibration if significant load additions are being considered. We would also recommend that several of the timber girders should also be locally reinforced to provide additional capacity and girder G4 be removed and replaced.

We trust that this provides the information you require. Please contact us if you have any questions or require any additional information.

Very truly yours,
NOLEN FRISA ASSOCIATES, PC

Dan Schmidt
Attachments: Drawing sketch Sk-1 (in Appendix b of report)

III. MECHANICAL PLUMBING SYSTEMS NARRATIVE

WEST BUILDING

MAYES ENGINEERING, INC.
CONSULTING MECHANICAL ELECTRICAL PLUMBING ENGINEERS

KARL M. MAYES, P.E.

MAYES ENGINEERING, INC.
P.O. BOX 4468
21 TIMBER OAK COURT
LYNCHBURG, VIRGINIA 24502
434/239-1616
mayesengr@jetbroadband.com
Toll Free: 1-800/283-1077

September 4, 2008

WEST BUILDING HVAC and PLUMBING SURVEY

PURPOSE: To determine the HVAC and Plumbing existing equipment conditions to serve any modifications or remodeling

SITE CONDITIONS:

The existing building was previously heated by a gas fired steam boiler with distribution piping in the crawl space and perimeter radiators. This system is well past its useful life.

There are no toilet facilities except for one small outdated toilet on the second floor which is really not usable. There is a kitchen behind the Fellowship Hall which has some water and waste piping but it also is unusable.

The only HVAC for the building is one unit for the Sanctuary. The air handling unit which is a Carrier Model 40RR-016-540 is located on the second floor and the air cooled condenser is located on a steel support frame on the roof. Although the nameplate on the condenser is illegible the unit appears to be in good shape. Since the air handler was manufactured in 1988 both pieces are probably 20 years old and we would not recommend reusing them in any remodeling plans.

Temporary Heating – To provide some intermediate or temporary heating in the building until the building's use is decided we recommend installing four (4) gas fired unit heaters 100,000 BTUH each and four (4) small electric unit heaters (2KW each). Two of the gas unit heaters shall be located in the Sanctuary near the choir area and blowing toward the front of the building. The other two gas heaters shall be located near the stage in the Fellowship Hall and blowing toward the front. The small electric unit heater shall be located near the entrance doors in the various vestibules. Gas piping shall be installed from the existing main at the back of the building and run up into the choir and stage areas to serve the unit heaters

Approximate cost for the temporary heat refer to Cost Estimate No. 1 ……. $29,000.00

To make the building suitable for any remodeling uses a new toilet would have to be installed near the front of the Sanctuary as shown on the architectural drawings.

Approximate cost for the cold water, hot water, sanitary waste and fixtures refer to Cost Estimate No. 2 ……. $30,000.00

WEST BUILDING HVAC and PLUMBING SURVEY

If the building use, as indicated in the architectural drawings, became a Lecture Hall, Training/Conference Room and offices, new HVAC systems would have to be installed. Depending on the final use and the number of people in any one area, the air conditioning systems could range from 25-35 tons of refrigeration. Estimating split system air cooled heat pump type units, the installed cost could range from $100,000.00 to $140,000.00.

Karl M. Mayes, P. E.

MAYES ENGINEERING, INC.
P.O. BOX 4468
LYNCHBURG, VA 24502
(434) 239-1616

PROJECT TITLE: City of Lynchburg/West Building Renovation **COST ESTIMATE #1**

COMM.#: 07015 **DATE:09-04-2008** **ESTIMATED BY:** Jerry Lafon Karl M. Mayes

ITEM	DESCRIPTION	UNITS	MATERIAL	LABOR	TOTAL
	HEATING ESTIMATE				
	1 1/2" Pipe, SCH 40 GALV	160'	$ 800.00	$ 1,600.00	$ 2,400.00
	1 1/2" PRV LB	1	$ 500.00	$ 50.00	$ 550.00
	1 1/2" Ball Valve	4	$ 140.00	$ 132.00	$ 272.00
	1 1/2" ELL	10	$ 110.00	$ 420.00	$ 530.00
	1 1/2" TEE	7	$ 112.00	$ 455.00	$ 567.00
	1 1/2" CAP	4	$ 28.00	$ 72.00	$ 100.00
	Wall Penetration	LS	$ 200.00	$ 800.00	$ 1,000.00
	Floor Penetration	LS	$ 400.00	$ 1,600.00	$ 2,000.00
	1 1/2" Union	10	$ 270.00	$ 420.00	$ 690.00
	Unit Heaters, 100,000 BTU Each	4	$ 4,800.00	$ 2,000.00	$ 6,800.00
	Vent Chimney Assy	4	$ 1,200.00	$ 2,000.00	$ 3,200.00
	1 Gas Meter	1	$ 2,000.00	$ 1,000.00	$ 3,000.00
	Electric Unit Heater 2 KW	4	$ 1,600.00	$ 800.00	$ 2,400.00
	Electrical for Heaters		$ 800.00	$ 2,200.00	$ 3,000.00
	SUB-TOTALS				26,509.00
	10% Contingency				$ 2,651.00
	TOTAL				$ 29,160.00

MAYES ENGINEERING, INC.
P.O. BOX 4468
LYNCHBURG, VA 24502
(434) 239-1616

PROJECT TITLE: City of Lynchburg/West Building Renovation **COST ESTIMATE #2**

COMM.#: 07015 **DATE:09-04-2008** **ESTIMATED BY:** Jerry Lafon

ITEM	DESCRIPTION	UNITS	MATERIAL	LABOR	TOTAL
	PLUMBING PIPING FIXTURES ESTIMATE				
	4" PVC Pipe, SCH 40	75'	$ 450.00	$ 1,275.00	$ 1,725.00
	2" PVC "	40'	$ 100.00	$ 580.00	$ 680.00
	1-1/2" PVC "	160'	$ 320.00	$ 2,080.00	$ 2,400.00
	1-1/4" PVC "	60	$ 90.00	$ 690.00	$ 780.00
	1-1/4" Copper, Type L, HD	75'	$ 525.00	$ 600.00	$ 1,125.00
	1" "	20'	$ 110.00	$ 130.00	$ 240.00
	3/4" "	20'	$ 80.00	$ 120.00	$ 200.00
	4" Clean Out	1	$ 25.00	$ 60.00	$ 85.00
					$ -
	Vent Roof Penetration	3	$ 600.00	$ 2,400.00	$ 3,000.00
	6 Gal. Water Heater	1	$ 250.00	$ 165.00	$ 415.00
	Water Closet Assy	4	$ 3,200.00	$ 2,100.00	$ 5,300.00
	Lavatory Assy	3	$ 1,050.00	$ 1,650.00	$ 2,700.00
	4" PVC TEE	4	$ 92.00	$ 280.00	$ 372.00
	2" PVC TEE	2	$ 6.00	$ 72.00	$ 78.00
	1-1/2" PVC TEE	5	$ 10.00	$ 185.00	$ 195.00
	1-1/4" PVC TEE	2	$ 4.00	$ 66.00	$ 70.00
	TOTAL				$ 19,365.00

MAYES ENGINEERING, INC.
P.O. BOX 4468
LYNCHBURG, VA 24502
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PROJECT TITLE: City of Lynchburg/West Building Renovation **COST ESTIMATE #2**

COMM.#: 07015 **DATE:09-04-2008** **ESTIMATED BY:** Jerry Lafon

ITEM	DESCRIPTION	UNITS	MATERIAL	LABOR	TOTAL
	PLUMBING PIPING FIXTURES ESTIMATE				
	4' - 90 deg.F PVC ELL	6	$ 90.00	$ 270.00	$ 360.00
	2" - 90 deg.F PVC ELL	4	$ 12.00	$ 96.00	$ 108.00
	1 1/2" - 90 deg.F PVC ELL	10	$ 20.00	$ 240.00	$ 260.00
	1 1'4" - 90 deg.F PVC ELL	4	$ 6.00	$ 86.00	$ 92.00
	Mis. Copper Fittings	LS	$ 100.00	$ 700.00	$ 800.00
	Mis. Floor Penetrations and Structural Changes	LS	$ 200.00	$ 2,000.00	$ 2,200.00
	Excavating in Crawl Space for Connecting New	LS	$ 500.00	$ 1,600.00	$ 2,100.00
	Waste to Existing.				
	Pipe Insulation	LS	$ 200.00	$ 600.00	$ 800.00
	SUB-TOTALS Sheet 2				$ 6,720.00
	SUB-TOTALS Sheet1				$ 19,365.00
					$ 26,085.00
	15% Contingency				$ 3,912.75
	TOTAL				$ 29,998.00

IV. ELECTRICAL SYSTEMS NARRATIVE

WEST BUILDING

KSKB ENTERPRISES, INC.
ELECTRICAL ENGINEERS

West Building Electrical Survey

Date: August 17, 2007

Purpose:
To determine the existing Electrical Equipment Conditions as required for future building renovations.

Site conditions:
The existing building has beautiful architectural features that should be retained if possible for future renovations. The existing electrical system does not meet any of the present building codes. The building does not have a fire alarm system. The present building electrical service is comprised of 4 overhead service entrance drops, all into the same room on the rear of the building. There are multiple enclosed circuit breakers, various circuit breaker panels and fused disconnect switches. One of the main fused disconnect switches has at least 3 conductors under the load side terminals feeding circuit breaker panels. None of these circuit breaker panels have a main breaker. The national Electrical Code allows only one conductor under a lug. This is only one example of many potential fire hazards within this room. The number of service drops also does not meet the National Electrical Code for service entrance drops for a building of this use group.

Multiple wiring methods have been used in this structure. Some of the wiring is still the very old knob and tubing wiring method. Other wiring methods include non-metallic sheathed cable (romex) and conduit and wire. There appear to be no ground conductors in the building feeders or the branch circuits. Wiring junctions have been made without junction boxes and spliced to various wiring methods.

The existing lighting fixtures in the sanctuary are very beautiful and appear to be the original fixtures. We would hope the existing Sanctuary light fixtures could be rebuilt and reinstalled for the future use of the building. Other lighting fixtures throughout the structure are various lamp holders, bare lamps and old broken fixtures. The building does not have emergency egress lighting.

Recommendations:
Replace the existing electrical service drops with a new electrical service that meets the National Electrical Code and would better server the building. The new electrical service panelboard would serve the temporary heating and ventilation required to maintain the building. Provide new temporary lighting and wiring in all rooms. The balance of the wiring could be replaced when the new occupancy use is determined.

Mayes Engineering

Lynchburg, Virginia

PROJECT : West Bldg, Lynhchburg **COMM. NO:**

LOCATION Downtown Lynchburg **DATE :** 8/17/2007

CALCULATIONS BY: W. K. Hudson **CHECKED BY :** **DESIGN STATUS:**

DIVISION : Electrical **SHEET NO**

	Description	Unit	Quantity	Material Cost Unit	Total Material Cost	Labor Cost Unit	Total Labor Cost	Total Unit Cost	Sub - Total Cost
	Demolition	ls	1	500.00	500.00	3,000.00	3,000.00	3,500.00	3,500.0(
	Electric service	ls	1	5,000.00	5,000.00	1,500.00	1,500.00	6,500.00	6,500.0(
	Branch panelboard	ea	1	2,000.00	2,000.00	500.00	500.00	2,500.00	2,500.0(
					0.00		0.00	0.00	0.0(
	Light fixtures	ea	12	100.00	1,200.00	30.00	360.00	130.00	1,560.0(
					0.00		0.00	0.00	0.0(
	Heating Branch circuit	ls	1	500.00	500.00	1,000.00	1,000.00	1,500.00	1,500.0(
					0.00		0.00	0.00	0.0(
	Egress Lighting	ea	6	200.00	1,200.00	30.00	180.00	230.00	1,380.0(
					0.00		0.00	0.00	0.0(
	Lighting branch circuit wiring	ls	1	2,000.00	2,000.00	3,000.00	3,000.00	5,000.00	5,000.0(
					0.00		0.00	0.00	0.0(
					0.00		0.00	0.00	0.0(
					0.00		0.00	0.00	0.0(
					0.00		0.00	0.00	0.0(
					0.00		0.00	0.00	0.0(
	SUB-TOTALS				12,400.00		9,540.00		21,940.0(
	SALES TAX ON MATERIALS (4.5%)				558.00		0.00		558.0(
	ELECTRICAL SUB-TOTALS				12,958.00		9,540.00		22,498.0(
	MARKUP FOR CONSTRUCTION (25%)				3,239.50		2,385.00		5,624.5(
	ELECTRICAL TOTALS				16,197.50		11,925.00		28,122.5(

V. ROOFING CONDITION NARRATIVE

WEST BUILDING

W. A. LYNCH ROOFING COMPANY
ROOFING CONSULTANTS

W.A. LYNCH
ROOFING CO. OF
LYNCHBURG, INC.

07 January 2008

Nolen Frisa Associates
103 Homestead Drive
Forest, Virginia 24551
Attn: Mr. Dan Schmidt

Re: **City of Lynchburg**
Police Department West Building

Dear Dan:

During mid-November we inspected the roof of the above referenced project. We observed a number of problems, including missing or broken slate, deteriorated flashing, missing chimney caps, rusted out and improperly repaired metal roofing, and built-in gutters and wood work which have deteriorated and need to be replaced. The photographs on the enclosed CD offer an overview of some of the problems we observed. Listed below are our recommendations for the roof repairs, along with a budget estimate for the work.

Church Roof

1. Remove and replace all missing and broken slate.
2. Remove existing built-in gutters, repair existing wood work, and install new copper built-in gutters.
3. Remove existing flashing and surrounding slate from two chimney locations. Install new copper step and counter flashing, and reinstall existing slate. Custom fabricate and install new copper chimney caps.
4. Remove and replace copper flashing around existing pipe boots.
5. Remove existing wall flashing and surrounding slates from three locations, install new copper step and counter flashing, and reinstall existing slate.
6. Remove existing valley flashing and surrounding slate above roof area "I", install new copper valley, and reinstall existing slate.

- Budget Estimate for this portion of the work: $30,000.00

Annex / Police Department

1. Remove and replace all missing and broken slate.
2. Remove and replace copper flashing around existing pipe boots.

- Budget Estimate for this portion of the work: $2,500.00

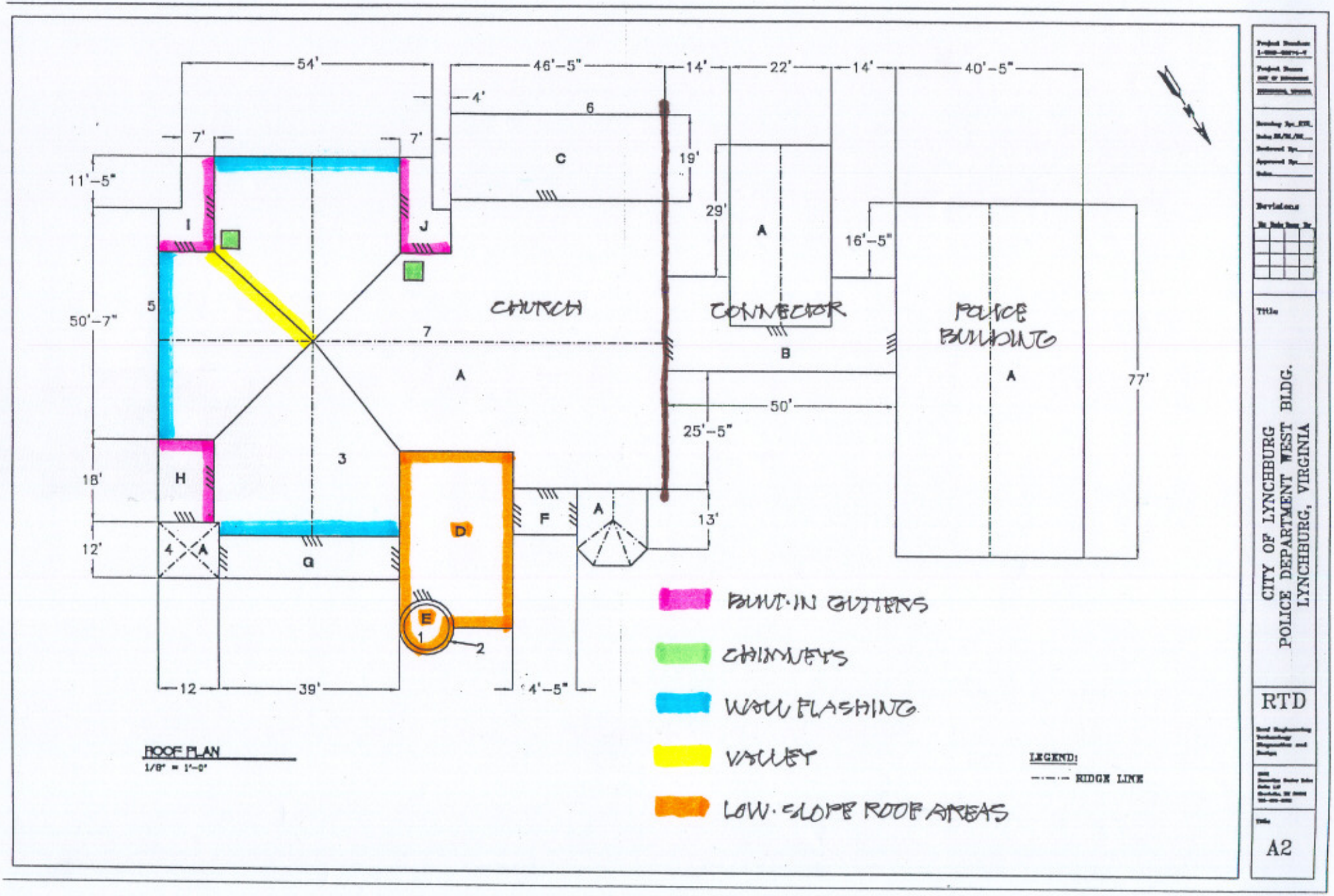
The low slope metal roofs on areas D and E need to be replaced. We recommend replacing these two roofs with an EPDM roof system, and estimate the cost of replacement at approximately $10,000.00.

Please note that our scope of work only includes those items listed above. There are other repairs the City may want to consider, such as re-pointing the existing chimneys or repairing the existing concrete coping, which fall outside our scope of work.

We appreciate the opportunity to submit this proposal and hope we get to work with you on these repairs. Please give me a call if you have any questions.

Sincerely,
W. A. Lynch Roofing Company of Lynchburg, Inc.

Mel Drumheller
Vice President


54'
46'-5"
14'
22'
14'
40'-5"
4'
6
7'
7'
C
19'
11'-5"
29'
A
I
J
16'-5"
CHURCH
CONNECTOR
POLICE BUILDING
5
50'-7"
7
B
A
A
77'
50'
25'-5"
3
18'
H
D
F
A
13'
12'
4
A
G
E
1
2
12
39'
4'-5"
BUILT-IN GUTTERS
CHIMNEYS
WALL FLASHING
VALLEY
LOW-SLOPE ROOF AREAS
LEGEND:
RIDGE LINE
ROOF PLAN
1/8" = 1'-0"
CITY OF LYNCHBURG
POLICE DEPARTMENT WEST BLDG.
LYNCHBURG, VIRGINIA
RTD
A2

Appendix a

SELECTED PHOTOGRAPHS

Photo #1-Court St. Exterior
(General View)

Photo #2-West Exterior-Fellowship Hall
(General View)

Photo #3-East Exterior
(Deteriorated coping)

Photo #4-South Exterior
(Loose brick & mortar deterioration)

Photo #5-East Crawl Space
(Typical Sanctuary Framing)

Photo #6- Crawl Space (Looking North)
(Typical Sanctuary Framing)

Photo #7- Crawl Space (Looking South)
(Failed Girder G4)

Photo #8- Crawl Space (Looking South)
(Failed Girder G4)

Photo #9- North Face Fellowship Hall Roof (Looking Southwest)
(Damaged / Missing Slate)

Photo #10- Turret Metal Roof (Looking Northwest)
(Failed Flat Lock Metal)

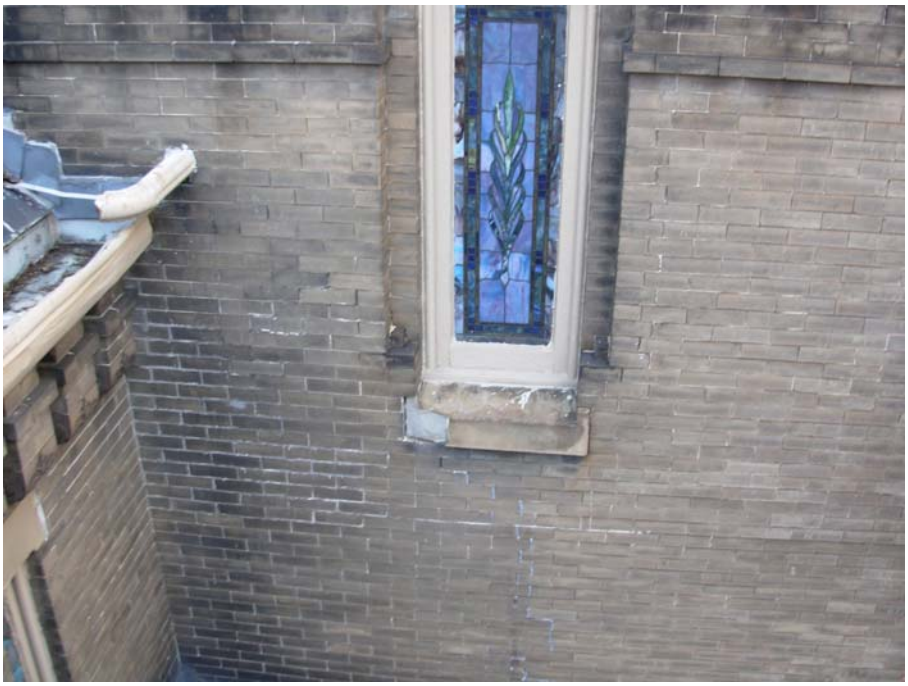


Photo #11- South Face, N.E. Steeple Tower (Looking North)
(Failed stone sill & deteriorated mortar joints)

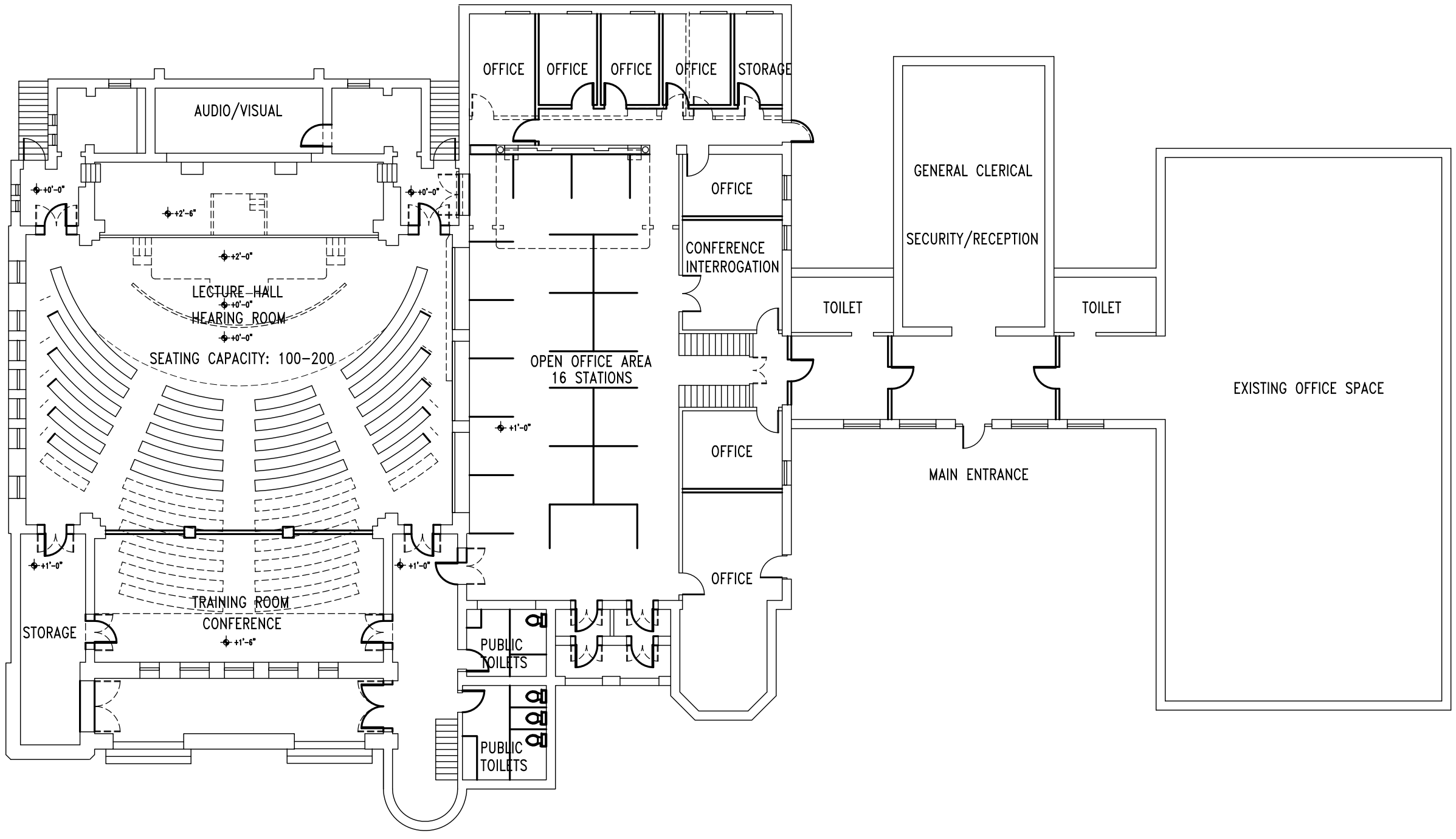
Photo #12- S.E. Chimney (Looking Northwest)
(Missing Chimney Cap)

Photo #13- South Built-up Roof (Looking West)
(Deteriorated BUR)

Photo #14- Turret (Looking Northwest)
(General View)

Appendix b

BUILDING PLAN SKETCHES



WEST BUILDING COMPLEX SCALE: 1/16" = 1'-0"

SCHEMATIC USE LAYOUT PLAN

090908
NFA07370

Robert Winthrop and Associates, Architects

ONE MILL STREET
FARMVILLE,
VIRGINIA 23901

PHONE:
434 392 5283

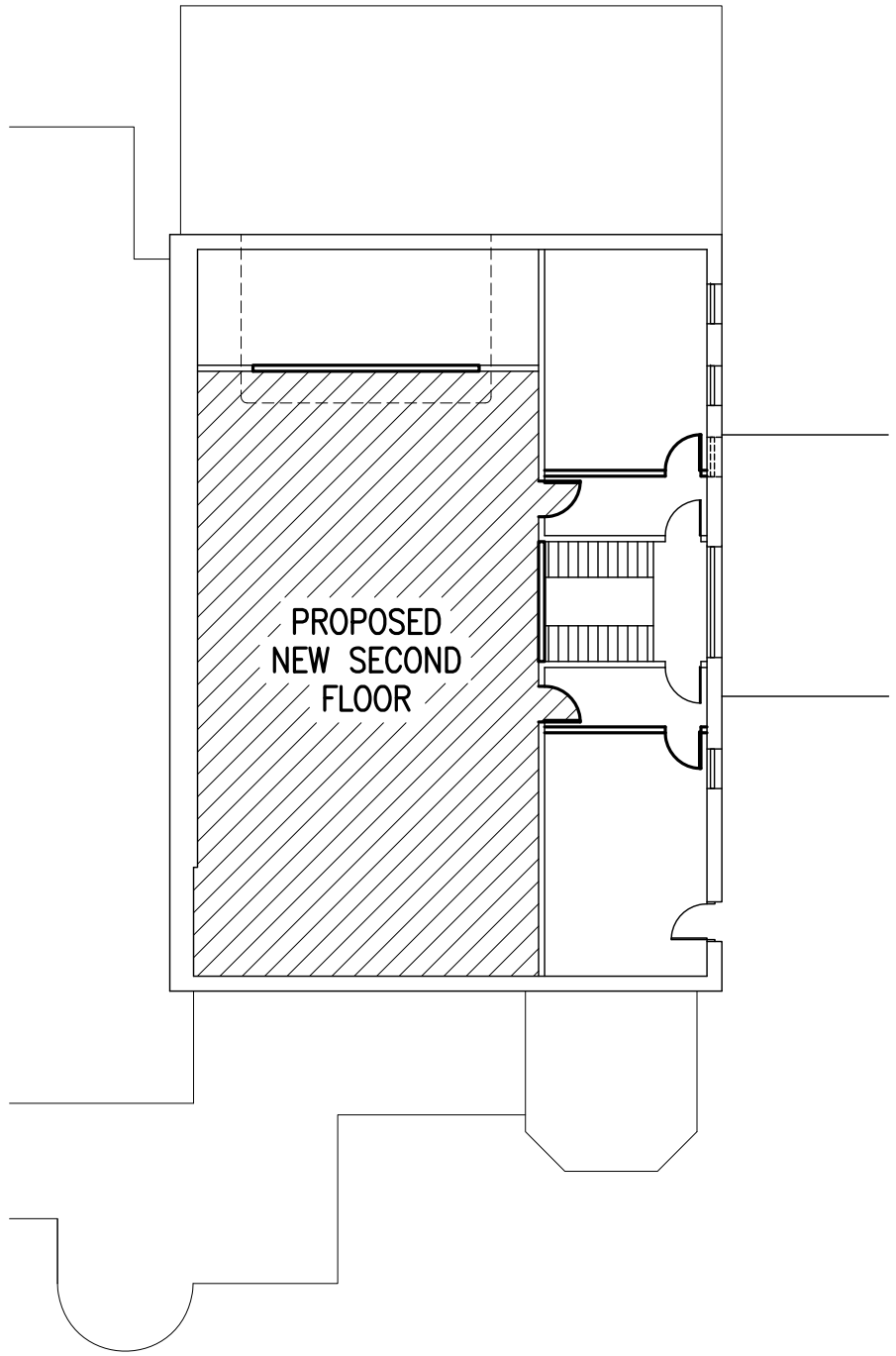
FAX:
434 392 1529

nfa NOLEN FRISA ASSOCIATES
CONSULTING ENGINEERS

103 HOMESTEAD DRIVE FOREST, VIRGINIA 24551
PHONE (434)385-4390 FAX (434)385-4276

WEST BUILDING
SCHEMATIC USE
LAYOUT PLAN

9 SEPTEMBER, 2008



PLAN – NEW SECOND FLOOR

SCALE: 1/16" = 1'–0"

090908
NFA07370

Robert Winthrop and Associates, Architects

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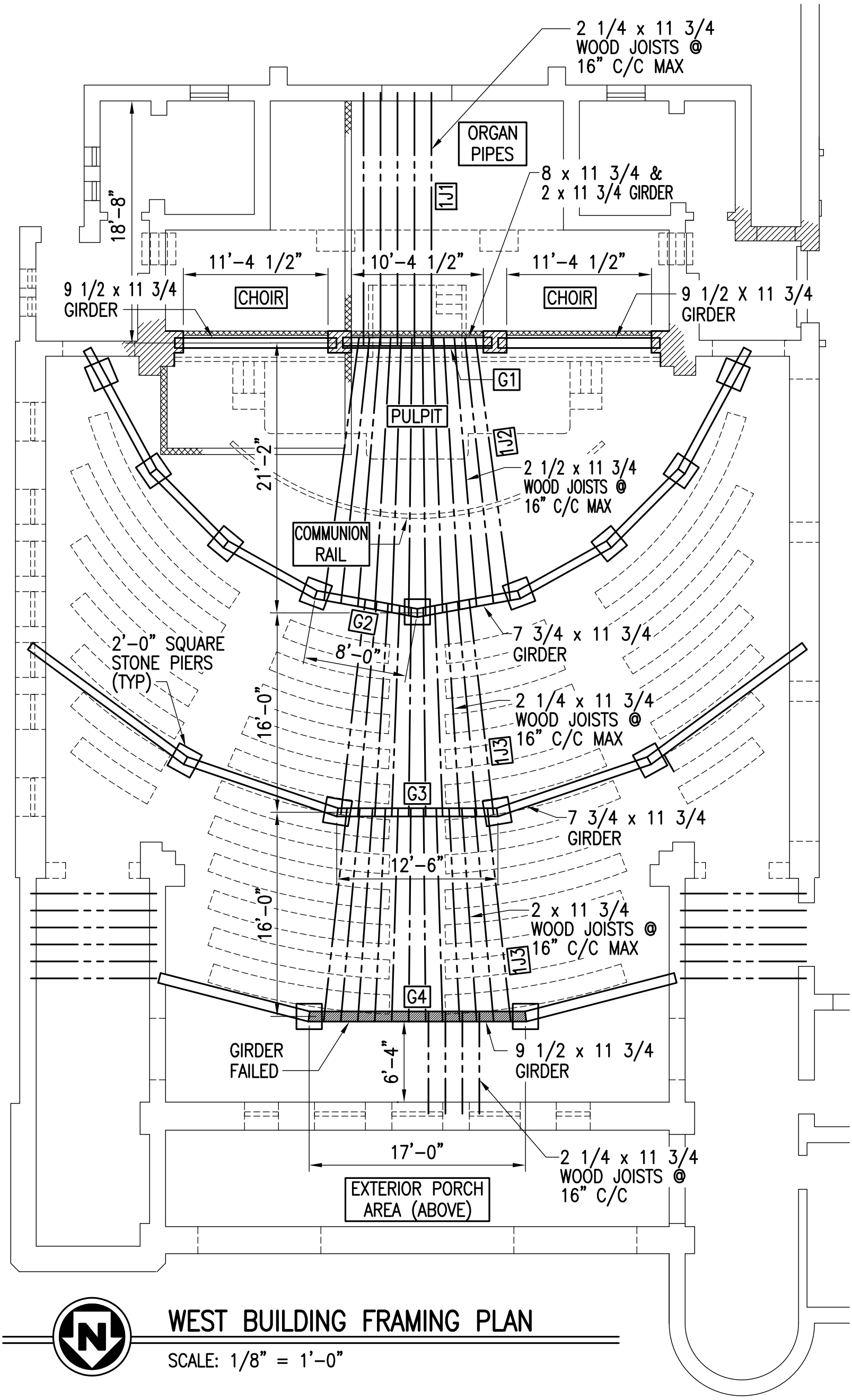
WEST BUILDING
PROPOSED
SECOND FLOOR

9 SEPTEMBER, 2008

090908
NFA07370



WEST BUILDING FRAMING PLAN

SCALE: 1/8" = 1'-0"

Robert Winthrop and Associates, Architects

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WEST BUILDING
SANCTUARY FLOOR
FRAMING PLAN

9 SEPTEMBER, 2008

Appendix c

STABILIZATION AND RENOVATION COST ESTIMATES

NOLEN FRISA ASSOCIATES
CONSULTING ENGINEERS

103 Homestead Drive, Forest, Virginia 24551
Tel: 434-385-4390 Fax: 434-385-4276 Email: staff@nolenfrisa.com

MEMORANDUM

DATE: January 8, 2009 **NFA COMM. No: 07370**

TO: Randy Dalton **FROM: Ed Frisa**
City of Lynchburg **Page 1 of 3**

RE: Stabilization and Renovation Costs for West Building
City of Lynchburg, VA

Randy---

Per your request, we have tabulated a series of stabilization and renovation costs associated with the West Building. The stabilization costs listed are what we would consider to be the bare minimum to provide a reasonable level of protection to the building until a final use can be found. We have also included an allowance for a security system which would monitor the presently unoccupied space for fire and smoke hazards.

Renovation costs are also listed, but since there is no specific program or use of the building at this time, the figures are very much "ball-park" estimates, based on our experience with similar projects. Please keep in mind that with the current volatility in the construction market, these costs could vary considerably down the road.

A. <u>STABILIZATION COSTS</u>:

Stabilization work includes work that needs to be performed in the very immediate future (1 year at most) in order to protect the existing building from further significant deterioration. The main factor that has potential for significant on-going damage to the building is moisture infiltration, either via leakage thru the exterior walls, which have fairly soft and in some cases eroded mortar, or by leaks thru the roof envelope, which includes the flashings at the walls. Also, there is a portion of the existing floor structure in the sanctuary which has a fully failed girder, which we feel should be replaced in the near future, regardless of possible future use of the building.

The installation of a mechanical heating system that will maintain a minimum heated temperature of roughly 50 to 55 degrees F is needed to prevent ongoing moisture infiltration thru the existing brick walls. If the walls remain as is, significant freeze-thaw damage may occur to the brickwork due to entrapped water, and further damage to some of the plaster systems and wood framing elements which bear on the exterior walls is also likely. Some damage of this nature has already occurred on the south (rear) of the building on the kitchen area wall.

With the exception of the proposed fire/smoke detection system listed below, the recommended stabilization items should be considered as near mandatory in order to preserve the building in its present condition. For winterization, the installation of the heating system is the most critical item. The roof repairs listed are also critical in order to prevent significant structural damage to the embedded wood framing as well as interior and exterior finishes.

1. Heating Stabilization Work:

Installation of a temporary heating system, to include gas-fired unit heaters to maintain minimum temperature of 55 F in building to minimize further moisture infiltration of exterior masonry walls. Work includes new gas meter, gas piping, unit heaters and minor electrical upgrade to provide electrical service to heaters and controls.

Estimated installed cost, including materials and labor: $ 30,000.00

2. Structural Stabilization:

Work includes repairs to damaged floor section in sanctuary area where existing main girder framing has failed. Work includes temporary shoring of existing adjacent floor framing in the area of the failed girder, along with removal and replacement of the girder. This item is not critical for the immediate future, but should be done now if possible.

Estimated installed cost, including materials and labor: $ 3,000.00

3. Architectural Stabilization:

Stabilization repairs are related to preventing further moisture infiltration into the existing building, where roof and flashing elements have deteriorated or completely failed. Work includes selective replacement of flashings, removal and replacement of roof over northwest turret area, temporary enclosure of the opening above the northwest turret 2nd floor level, and replacement of the low slope metal roofs with single ply membrane roofing.

Estimated installed cost, including materials and labor: $ 46,000.00

4. Fire Detection System:

While not mandatory, the installation of a fire and smoke detection system in the unoccupied portion of the building is highly recommended. Since the floors and roof level of the structure are of combustible material, there is a potential for fire to develop in this building. A system that would tie into the City's main fire/security system would be installed to detect fire/heat/smoke in the original portion of the building.

Estimated installed cost, including materials and labor: $ 7,000.00

TOTAL RECOMMENDED STABILIZATION COSTS: $ 86,000.00

B. <u>RENOVATION COSTS</u>:

Renovation costs are highly dependent upon the final use/program for the unused portion of the West Building. At present, counting the small portion of the 2nd floor level in the west section of the building adjacent to the section currently being used by the Lynchburg Police Department, the existing unoccupied space totals approximately 7,000 square feet.

Our past experience in working with renovation and adaptive re-use of similar buildings, we have seen renovation costs vary from a low of around $ 125 per square foot to a high approaching $ 200 per square foot. The existing building is generally in good shape structurally, with non-functional mechanical, electrical and plumbing systems. Most of the heating costs associated with the stabilization work in A above would not result in lower HVAC costs in the renovation phase, as the heating system proposed for stabilization is essentially a temporary system. Completely new mechanical, plumbing and electrical systems would have to be installed for nearly any proposed use of the presently-unoccupied building.

Depending on the selected use of the building, some fairly significant structural costs could be incurred, say for the addition of more second floor area for offices or similar occupancies. Also, should the fixed seating in the main section of the sanctuary be removed in order to provide more flexible use of the space as an assembly area, the floor structure would have to undergo significant reinforcement or possible replacement in order to meet the 100 psf live load required for such spaces.

The roofing repairs done in the stabilization phase suggested in A above would be essentially permanent repairs, and would reduce roofing upgrade costs in the renovation phase. However, some additional slate replacement, along with flashing changes, would likely be required as the roof continues to age.

Architectural renovation on the exterior of the building would consist primarily cleaning and re-pointing of the brickwork, along with replacement of some of the badly deteriorated stone sills. Other exterior work would include providing a more architecturally-acceptable handicapped ramp access to the building, as well as some exterior painting. Interior architectural renovation would be highly dependent on the program/use of the building space.

Electrical upgrades would at a minimum include a new 800 amp electrical service. Major changes/additions in both interior and exterior lighting would be required, along with an upgrade to the emergency lighting and alarm/security systems of the buildings.

Many of the above items are addressed in cost estimates contained within the main body of the report. However, utilizing the square foot cost range suggested above, shell budget figures for adaptive re-use on a moderate level would range as follows:

<u>Suggested Low Budget Figure (based on $ 125/sf)…….$ 875,000</u>

<u>Suggested High Budget Figure (based on $ 200/sf)…….$ 1,400,000</u>

PHASE I ENVIRONMENTAL SITE ASSESSMENT

West Building - 805 Court Street
Lynchburg, Virginia, 24504
PIN# 02445003

April 17, 2024

Project Number: 519073-03-006

Prepared For:
Economic Development Authority of Lynchburg, VA
900 Church Street, Second Floor
Lynchburg, Virginia, 24504
and
U.S. Environmental Protection Agency
USEPA Brownfields Assessment Grant Number: BF-95301301-0

Prepared By:
TRC Engineers, Inc.
114 Edinburgh S. Drive, Ste. 200
Cary, North Carolina, 27511
919-827-0864

Prepared by:
Phillip Pressley
Environmental Professional / Project Manager

Reviewed and approved by:
Ryan Sadler
Environmental Professional / Project Manager

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Figure 2: Site Detail Map

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Appendix B: User Questionnaire
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Appendix G: Environmental Professional Statement

EXECUTIVE SUMMARY

Draper Aden Associates, LLC a TRC Company (TRC) was retained by the Economic Development Authority of Lynchburg, VA ("Client" and "User") to perform a Phase I Environmental Site Assessment (ESA) of the property addressed at 805 Court Street (Parcel Identification No. 02445003) in Lynchburg, Virginia (herein referred to as the "subject property") on behalf of the City of Lynchburg ("Owner" and "User"). TRC conducted the Phase I ESA in connection with the Client's EPA Brownfields Community-Wide Assessment and Planning Grant (BF-95301301-0). The Phase I ESA described in this report was performed in accordance with the scope and limitations of the ASTM International Practice E1527-21 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (hereinafter "ASTM Practice E1527-21" or "ASTM Standard"). Limiting conditions and/or deviations from the ASTM Practice E1527-21 standard are described in Sections 1.3 and 7.7 of this report.

The approximately 0.6-acre subject property is comprised of the parcel referenced above in Lynchburg, Virginia. The subject property contains a former church on the southern portion present from at least 1902 and a residence from at least 1890 on the northern portion until the church expanded in the 1940s and the residence removed. The City of Lynchburg has owned and operated the former church buildings on the subject property since 1995. The City of Lynchburg Police Department currently occupies the subject property buildings.

This assessment has revealed one recognized environmental condition (REC). The church cathedral building formerly utilized coal to fuel a basement boiler for an unknown number of years. A stockpile of coal, staining throughout from the previous storage of coal, and a drum of Chemtreat BL-863, which was labeled corrosive, was observed in the basement of the former cathedral building. The former bulk storage and use of coal on site is of concern given the potential for impact to the site from polyaromatic hydrocarbons (PAHs) and metals. Based on the length of time in operation, unknown former storage, use and disposal practices, and likely undocumented releases to the site from improper handling/disposal or spills, the former site use is considered an REC.

The following Business Environmental Risks (BERs), which do not fall within the definition of a REC, have been identified during the course of this Phase I ESA and could potentially have a material environmental or environmentally driven impact on the business associated with the current or planned use of the subject property:

1. Asbestos Containing Material (ACM) and Lead-Based Paint (LBP)

   Asbestos is ubiquitous and ACM is commonly found in older buildings, particularly those built before 1990. The material was used in plumbing, piping, insulation, walls, roofing materials, floor tiles and adhesives, among others. The use of lead-based paint (LBP) has been banned in the United States since 1978. However, older buildings and commercial structures (e.g., water tanks, antenna towers, etc.) may contain LBP. Issues concerning ACM and LBP arise during demolition and redevelopment projects. Under both circumstances, a licensed inspector may need to be retained to sample suspect ACM and LBP in areas where disturbance is anticipated. If ACM or LBP is confirmed and needs to be removed (abated), ensure to follow local rules with respect to licensing and disposal.

This Executive Summary is part of this complete report; the findings, opinions, or conclusions in this Executive Summary are made in context with the complete report. TRC recommends that the User read the entire report for supporting information related to findings, opinions, and conclusions.

1.0 INTRODUCTION

Draper Aden Associates, LLC a TRC Company (TRC) was retained by the Economic Development Authority of Lynchburg, VA (also known as "Client" and "User") to perform a Phase I Environmental Site Assessment (ESA) of the property addressed at 805 Court Street (Parcel Identification No. 02445003) in Lynchburg, Virginia (herein referred to as the "subject property") on behalf of the City of Lynchburg ("Owner" and "User"). This report was prepared for and may be relied upon by Client and User for the purposes set forth herein; it may not be relied on by any party other than the Client and User.

1.1 Purpose and Scope of Services

The following Phase I ESA was performed for the property located at 805 Court Street (Parcel Identification No. 02445003) in Lynchburg, Virginia (hereinafter the "subject property"). A subject property location map is included as **Figure 1**. TRC prepared this Phase I ESA in accordance with the ASTM International E1527-21 *Standard Practice for Environmental Site Assessments: Phase I ESA Process* (hereinafter "ASTM Practice E1527-21" or "ASTM Standard") and is intended for the sole use of USERs.

The purpose of this assessment is to identify Recognized Environmental Conditions (RECs) at the subject property, as defined by ASTM Practice E1527-21. The completion of this Phase I ESA report may be used to satisfy one of the requirements for the User to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser liability protections pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), thereby constituting all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial or customary practice as defined by 42 United States Code §9601(35)(B) of CERCLA. A review of controlled substances was excluded from this scope of services.

The Scope of Services for this Phase I ESA included the following tasks:

- Subject property and vicinity reconnaissance;
- Subject property and vicinity description and physical setting;
- Historical sources review and a description of historical subject property and adjoining property conditions;
- Interviews with owners, operators, and/or occupants of the subject property, and/or local officials;
- Review of environmental databases and regulatory agency records;
- Review of previous environmental reports/documentation, as applicable;
- Review of environmental liens, if provided or authorized to obtain by the User; and
- Preparation of a report summarizing findings, opinions, and conclusions.

1.2 Additional Services

Items outside the scope of ASTM Practice E1527-21 are, but are not limited to the following:

- Substances not defined as Hazardous Substances
- Asbestos-containing building materials
- Radon
- Lead-based paint
- Lead in drinking water
- Wetlands
- Regulatory compliance
- Cultural and historic resources
- Industrial hygiene
- Health and safety
- Ecological resources
- Endangered species
- Indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment
- Biological agents
- Mold
- Polychlorinated Biphenyl (PCB)-containing building materials

No additional services were performed outside the scope of ASTM Practice E1527-21.

1.3 Deviations to ASTM Practice E1527-21

No significant deviations or deletions to the ASTM Standard were made during this Phase I ESA.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Subject Property Location and Description

The subject property location, ownership, and parcel information are included in the following table. A subject property location map is included as **Figure 1**.

Table 2.1 - Subject Property Location and Description

Subject Property Details	Description
Location	805 Court Street, Lynchburg, Virginia
Primary use of surrounding area	Urban mixed-use, commercial, institutional, residential
Acreage	~0.6 Acres
Parcel Number	02445003
Zoning	Commercial (B1) / City of Lynchburg
Owner	City of Lynchburg, VA
Operator	City of Lynchburg, VA

2.2 Subject Property Improvements

Current subject property improvements are listed in the following table. A subject property layout is included as **Figure 2**.

Table 2.2 - Subject Property Improvements

Subject Property Feature	Description
Buildings	The subject property contains a former church that was built by 1902 with an annex built in the 1940s. There are three basements. One under each of the buildings and a third under the space that connects the two. The former church has a limited second story. The annex has a second story throughout.
Exterior areas	The subject property is predominantly covered by the building and concrete sidewalks with some grass Court Street and the southwestern building face.
On-site roads/rail lines	None
Potable water supply	Municipal – City of Lynchburg
Sewage disposal system(s)	Municipal – City of Lynchburg
Stormwater system	Municipal – City of Lynchburg

2.3 Current and Historical Subject Property Use

2.3.1 Current Subject Property Use(s)

The subject property is currently owned and operated by the City of Lynchburg for office, storage, and training use by its police department.

2.3.2 Previous Owner and Operator Information

Based on information provided by the User (Section 3.0), the historical record review (Section 4.0), and interviews conducted during this Phase I ESA (Section 5.0), historical subject property ownership and operator information are provided below.

The City of Lynchburg purchased the Subject Property in December 1995 from Eric N. Spain. Mr. Spain purchased the Subject Property from First United Methodist Church in December 1994. First United Methodist Church owned the property since 1852.

2.4 Physical Setting

According to United States Geological Survey (USGS) topographic maps reviewed, including the map included as **Figure 1**, the subject property is located approximately 2,000 feet to the west of the James River, the subject property topographic elevation is approximately 710 feet above mean sea level, and subject property topography slopes to the south-southwest. The subject property is located near the crest of a ridge with topography sloping generally east-northeast to the east of the site and south-southwest to the west of the site. Court Street has curb and gutter to collect stormwater.

The Physical Setting Report, supplied by Environmental Risk Information Services (ERIS) of Toronto, Ontario, was reviewed to obtain information regarding the dominant geology, soil composition, and flood hazards in the vicinity of the subject property. The subject property is located in the Ashe Formation with a primarily biotite gneiss from the Proterozoic Z age. The overlaying soil is predominantly labeled “urban land” with no available soil attributes. The subject property is shown in Flood Zone X, indicating an area of minimal flood hazard.

Please refer to the Physical Setting Report (PSR), presented in **Appendix D** for further information regarding the soil composition in the vicinity of the subject property.

3.0 USER-PROVIDED INFORMATION

According to ASTM Practice E1527-21, certain tasks that may help identify the presence of RECs associated with the subject property are generally conducted by the Phase I ESA User. These tasks include providing or authorizing the environmental professional to obtain recorded land title records for environmental liens or activity and use limitations (AULs); providing specialized knowledge related to RECs at the subject property (e.g., information about previous ownership or environmental litigation); providing commonly known or reasonably ascertainable information within the local community about the subject property that is material to RECs in connection with the subject property; and informing the environmental professional if, as believed by the User, the purchase price of the subject property is lower than the fair market value due to contamination. A copy of the User questionnaire is included in **Appendix B**. Information provided by the User is listed in Section 4.4. No additional helpful documents as defined in ASTM Practice E1527-21 were provided.

3.1 Records for Environmental Liens or Activity and Use Limitations

The Users have not provided TRC with information associated with a review of title and judicial records for environmental liens or AULs associated with the subject property and may remain as a User requirement to satisfy All Appropriate Inquiries.

3.2 Specialized Knowledge

The Users were not aware of specialized knowledge, including the potential presence or likely presence of RECs, regarding the subject property or nearby properties.

3.3 Property Value Reduction Issues

The Users were not aware of property valuation reduction issues regarding the subject property.

3.4 Commonly Known or Reasonably Ascertainable Information

The Users did not provide commonly known or reasonably ascertainable information to TRC.

3.5 Reason for Conducting a Phase I ESA

A Phase I ESA is required by a USEPA Brownfields Assessment Grant to assess the environmental condition of the subject property prior to any further environmental evaluation for redevelopment planning.

4.0 RECORDS REVIEW

4.1 Historical Research

Information regarding subject property and vicinity historical uses was obtained from various publicly available and practically reviewable sources including:

- Aerial photographs dated 2021, 2018, 2016, 2014, 2012, 2011, 2009, 2008, 2006, 2005, 1994, 1991, 1982, 1977, 1968, 1962, 1957, 1947, and 1937;
- Topographic maps dated 2019, 2016, 1984, 1978, 1977, 1968, 1963, 1950, 1944;
- City directories dated 2022, 2020, 2016, 2011, 2008, 2003, 2000, 1996, 1991, 1986, 1981, 1976, 1971, 1967, 1964, 1960, 1955, 1950, 1945, 1940, 1935, 1930, 1926;
- Local municipal records;
- An environmental database report; and
- Interviews with subject property representative(s) and regulatory agency officials, as necessary.

Historical Fire Insurance Maps were originally produced for assessing fire insurance liability in urban areas in the United States. The maps provide detailed information (e.g., building construction, subject property occupants, storage tank locations, and hazardous material storage areas), which can be used as a resource to document land use and structural change over time. ERIS researched the availability of in the vicinity of the subject property and found maps dated 1973, 1972, 1971, 1967, 1965, 1955, 1951, 1907, 1902, 1895, and 1890.

Aerial photographs, topographic maps, city directories, fire insurance maps, and the environmental database report were provided by ERIS. Historical research documentation is included in **Appendix C**.

4.1.1 Subject Property History

Operational History

Historical fire insurance maps were available for the subject property area from 1890 to 1973. City directories were available from 1926 to 2022. The available USGS topographic maps do not provide detail necessary to discern former site use. The following observations are based on available listed aerial images from 1937 to 2020 interviews, deed research, regulatory file review, and site observations made during the March 13, 2024 site reconnaissance.

Table 4.1 - Subject Property History

Year	Subject Property History
From at least 1852 to 1994	The 1890 fire insurance map shows a residence on the northern part of the property. By 1895, the building was replaced by a different dwelling. The southern part of the property contained First Presbyterian Church in 1902. By 1951, the residence was replaced by a Sunday school building that was connected to the church. The 1955 city directory identifies the church as First Methodist Church and indicates the basement housed Craft School of the Blind. Beginning with the 1971 city directory, the church was identified as First United Methodist Church. By 1986, the school of the blind was no longer included in the city directory but First United Methodist Church remained.
From 1995 to Present	Eric N. Spain purchased the property in December of 1994 and sold it to the City of Lynchburg in December 1995. The City has used the space as storage and Police Department offices. The city directories list Higher Heights Evangelistic at 809 Court Street, which was previously the listed address for First United Methodist Church from 1996 through the most recent (2022). TRC has found no other information indicating this references the subject property.

4.1.2 Adjoining Property History

Historical fire insurance maps were available for the subject property area from 1890 to 1973. City directories were available from 1926 to 2022. The available USGS topographic maps do not provide detail necessary to discern former site use. The following observations are based on available listed aerial images from 1937 to 2020, and site observations made during the March 13, 2024 site reconnaissance.

Table 4.2 - Adjoining Property History

Adjoining Property History	
North From at least 1890 to Present (See Notes)	The adjacent property to the north is occupied by the “Tunstall Court” mixed-use apartments and office building, which has been on the property since at least 1890. Site use has remained consistent since.
South From at least 1890 to Present (See Notes)	The property to the south is identified as a courthouse on the 1890 fire insurance map. By 1960, the city directory lists the buildings as the old courthouse. The 2000 city directory lists the property as the Lynchburg Museum.
East From at least 1938 to Present (See Notes)	Adjoining properties to the east have been developed for residential use since at least 1890. By 1930, a food brokerage was listed amongst the residences. The 1971 directory lists offices on the properties. The number of buildings was reduced throughout the mid-twentieth century and parking

Table 4.2 - Adjoining Property History

Adjoining Property History	
	lots were added in their place. In 1991, a church is listed at 818 Court Street, which remains at present.
West From at least 1938 to Present (See Notes)	The properties to the west were residences in 1890. By 1968, they had been converted to surface parking. In the 2005 aerial, the current parking deck is visible.

4.1.3 Surrounding Property History

Surrounding properties to the north, south, east, and west have historically had a combination of residential, commercial, and institutional uses.

4.2 Database Report and Environmental Record Review

A database search report that identifies properties listed on state and federal databases within the ASTM-required radii of the subject property was obtained from ERIS. These properties included those that could be mapped and those that could not (i.e., orphan properties). A copy of the database search report is included in **Appendix A**. The database search report includes the list of environmental databases/records searched and their corresponding abbreviations.

4.2.1 Subject Property

Three records/listings were identified for the subject property in the environmental database report. The site is listed in the brownfields database, federal brownfields database, and the EPA Finds Database. All three listings are affiliated with the result of a previous Phase I ESA conducted by Draper Aden Associates in January 2022, which was funded by US EPA Community-Wide Brownfields Assessment Grant BF96359401-0.

Based on the above listing(s), no information regarding a release at the subject property was noted. Therefore, no subsequent file review was conducted.

4.2.2 Adjoining and Surrounding Property Record Review

TRC evaluated the following factors to determine whether additional environmental records should be reviewed with respect to the potential for contaminant migration from the adjoining and surrounding properties:

(1) Whether the property is upgradient or downgradient of the subject property related to potential groundwater migration based on the local topography, and the assumed (or known) groundwater depth and shallow groundwater flow direction (refer to Section 2.4 above);
(2) Whether the property is upgradient or downgradient of the subject property related to potential vapor migration based on readily available information pursuant to ASTM Practice E1527-21 including soil and geological characteristics; contaminant characteristics; contaminated plume migration data; and significant conduits that might

provide preferential pathways for vapor migration such as major utility corridors, sanitary sewers, storm sewers, and significant natural conduits such as karst terrain (vapor migration may also be influenced by the age and design of infrastructure features associated with these conduits);
(3) Property case status (i.e., whether the state environmental agency or applicable regulatory authority has issued a No Further Action (NFA) letter or other similar closure document);
(4) Type of database and whether the presence of contamination is known; and
(5) The distance between the listed property and the subject property.

Based on this evaluation, TRC limited the review of additional environmental records to the properties listed below because the other properties are considered to have a low potential of environmental impact to migrate to the subject property.

4.2.2.1 Adjoining Properties

The Old Courthouse, which adjoins the subject property's southern boundary, is listed as a RCRA Non-Generator and in the FINDS database. The RCRA Non-Generator status indicates it was temporary and involved waste containing lead. Based on the DAA 2022 Phase I, this waste was the result of the renovation of the building.

No other records/listings were identified for the adjoining properties (those which share a common property boundary with the subject property) in the environmental database report.

4.2.2.2 Surrounding Properties

The surrounding properties (those within the general vicinity of the subject property) listed in the environmental database report are considered to have a low potential for environmental impact to migrate to the subject property based on the criteria described above.

- USTs are registered at two sites within 350' of the subject property that are potentially upgradient or crossgradient of groundwater at the subject property. No releases have been documented at either location.

- The database report includes numerous listings in the search radius. Many are related to USTs and brownfields participation. These listings are typical of a historic urban area.

4.3 Title and Judicial Records for Environmental Liens or AULs

User-provided information regarding potential environmental concerns associated with title or judicial records, or the existence of environmental liens or AULs for the subject property is discussed in Section 3.0.

Completion of an additional title and judicial record search was beyond the scope of this Phase I ESA, was not requested by the User, and remains a User requirement.

4.4 Previous Documents

TRC reviewed a Phase I conducted by Draper Aden Associates (now TRC) dated February 22, 2022. There were no RECs listed in the report. However, there were several data gaps, notably there was no review of the basement under the church portion of the building.

4.5 Other Environmental Record Sources

Per the ASTM Standard, local or additional state records were reviewed to enhance and supplement the ASTM-required federal and state records reviewed and discussed earlier in this report. Local sources that were contacted to obtain this information are discussed below:

Table 4.3 - Other Environmental Record Sources

Regulatory Agency/ Department	Available Information
Lynchburg Fire Department	TRC submitted a Freedom of Information Act (FOIA) request to the City of Lynchburg requesting any information they had on the Subject Property and addresses in the immediate vicinity. The City provided reports for three incidents on March 20, 2024, included in Appendix C. The Fire Department responded to a call at the Subject Property on September 1, 2023 regarding a potential natural gas leak. The Fire Department found no evidence of a gas leak and cleared the building for occupancy. Two reports were provided for the surrounding area. On September 3, 2003, the Fire Department responded to a report of a vehicle leaking gasoline that was parked on the 900 block of Clay Street. The spill was noted to be small and cleaned up with absorbent. There is no record of further reporting or cleanup. On December 2, 2006, a moderate amount of motor oil was found in the parking deck adjacent to the Subject Property. The Fire Department responded with absorbent and noted no further action was needed. Both of these spills occurred on impervious surfaces and were cleaned up promptly by a government agency, so they are not believed to have impacted subject property.
Virginia DEQ	TRC submitted a Freedom of Information Act (FOIA) request to the Virginia DEQ Blue Ridge Regional Office requesting any information they had on the Subject Property and 901 Court Street. Beth Taylor responded on March 19, 2024, indicating they could not find any records for the subject property . Melissa Henninger responded with a RCRA Subtitle C Site Identification form for 901 Court Street dated January 9, 2012. The form indicates the City of Lynchburg Museum was a temporary large quantity generator of lead waste during a building renovation. Because no release was reported and hazardous waste generation has ceased, this is not believed to have impacted the property.
Land Records/ City of Lynchburg Geographic Information System (GIS)	TRC accessed the City of Lynchburg GIS system on March 18, 2024 to obtain the subject property's (and adjoining property's where noted) parcel number, acreage, general information, and property ownership. This information is included throughout this report as applicable.

5.0 INTERVIEWS

The following persons were interviewed to obtain historically and/or environmentally pertinent information regarding RECs associated with the subject property. The information provided is discussed and referenced throughout this report. Questionnaires are documented in **Appendix D**.

- **Marjette Upshur**, Director, Economic Development Authority of Lynchburg, VA, completed a USER Questionnaire on April 5, 2024. Ms. Upshur is a representative of the City (Client, User), and the EPA Grantee.
- **Steven Bailey,** Building Maintenance Manager, City of Lynchburg represents the owner as the Key Site Manager. Mr. Bailey completed a Sitte History Questionnaire and User Questionnaire on April 9, 2024 and April 11, 2024, respectively.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Ryan Sadler, TRC Project Manager I, and Phillip Pressley, TRC Senior Project Manager, conducted a site reconnaissance of accessible areas on and around the subject property on March 13, 2024, for the purpose of identifying potential RECs. Mr. Steven Bailey, Key Site Manager , provided access to all areas of the subject property and provided information as referenced in this report. The subject property was generally observed in a clockwise pattern. Photographs taken during the site reconnaissance are provided in **Appendix E**. A subject property layout plan is included as **Figure 2**.

6.2 Interior and Exterior Subject Property Observations

Unless otherwise noted, the items listed in the table below appeared in good condition with no visual evidence of staining, deterioration, or a discharge of hazardous materials; and there are no records of a release in these areas. Items where further description is warranted are discussed in the section(s) following the table.

Table 6.1 - Interior and Exterior Subject Property Observations

Item	Present (Current/ Historical/ Not Observed)	Description
Hazardous material storage or handling areas	Present	One plastic drum labelled Chemtreat BL-8631 was observed near a boiler in the basement of the former church cathedral building. The label indicated the drum's contents are corrosive. No spills or staining were observed in the area immediately around the drum.
Solid and liquid wastes including municipal wastes	Not Observed	
Underground Storage Tanks (USTs) and associated piping	Not Observed	
Aboveground Storage Tanks (ASTs) and associated piping	Not Observed	
Unlabeled drums and containers (≥5 gallons)	Not Observed	
Strong, pungent, or noxious odors	Not Observed	
Pools of liquid, including surface water bodies and sumps (handling hazardous substances or	Not Observed	

Table 6.1 - Interior and Exterior Subject Property Observations

Item	Present (Current/ Historical/ Not Observed)	Description
substances likely to be hazardous only)		
Known or Likely PCB-containing items (liquid-filled transformers, hydraulic equipment, etc.)	Not Observed	
Stains or corrosion	Not Observed	
Drains and sumps	Present	Drains were observed along the western part of the property both on the interior and exterior of the buildings that appeared to drain offsite to the south/southwest. Two pipes were observed protruding from the ground near modified gutter downspouts.
Oil water separator	Not Observed	
Pits, ponds, and lagoons	Not Observed	
Stressed vegetation	Not Observed	
Fill material	Not Observed	
Wastewater (discharged from or to the subject property)	Not Observed	
Stormwater (discharged from or to the subject property)	Not Observed	
Wells (including dry wells, irrigation wells, injection wells, abandoned wells, oil and gas wells, or other wells)	Not Observed	
Septic systems or cesspools	Not Observed	The site has access to City sewer.
Debris piles	Not Observed	
Evidence of Uncontrolled Access	Not Observed	The subject property is not fenced, however no illegal dumping, etc. was observed.

6.3 Adjoining and Surrounding Properties Reconnaissance

6.3.1 Adjoining Properties

During the site reconnaissance, TRC viewed the adjoining properties from the subject property and publicly accessible areas (e.g., public roadways, etc.) in a clockwise manner.

Table 6.2 - Adjoining Properties Reconnaissance

Direction from Subject Property	Current Land Use Description
North	Multi-family residential
East	Court Street, Unitarian Universalist Congregation of Lynchburg (Church), Asphalt Parking
South	Lynchburg Museum
West	Concrete Parking Deck (Clay Street Deck)

6.3.2 Surrounding Properties

Surrounding properties generally include a mix of commercial, residential, and institutional uses typical of a small city.

7.0 FINDINGS, OPINIONS, AND CONCLUSIONS

Potential findings can include RECs, controlled RECs (CRECs), historical RECs (HRECs), and de minimis conditions, pursuant to ASTM Practice E1527-21.

RECs are defined as (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment: (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

CRECs are defined as RECs affecting the subject property that have been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, AULs, institutional controls, or engineering controls).

HRECs are defined as previous releases of hazardous substances or petroleum products affecting the subject property that have been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria without subjecting the subject property to any controls (for example, property use restrictions, AULs, institutional controls, or engineering controls). An HREC is not a REC.

De minimis conditions are related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not RECs nor CRECs.

Business environmental risks (BERs) are defined as a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. Consideration of BER issues may involve addressing one or more non-scope considerations.

Data gaps are defined as a lack of or inability to obtain information required by this practice despite good faith efforts by the Environmental Professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the Key Site Manager, regulatory officials, etc.).

TRC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 at the property addressed at 805 Court Street (Parcel Identification No. 02445003) in Lynchburg, Virginia. Any exceptions to, or deletions from, this practice are described in Sections 1.3 and 7.6 of this report.

The following findings were noted during the preparation of this report, and were determined to not be RECs, CRECs, HRECs, and/or de minimis conditions:

Finding No. 1 – Subsurface pipes observed on the subject property.

Subsurface piping was observed on the subject property (see photos 3 & 4, Appendix E). The pipes did not have the typical characteristics of a UST fill port and no vent piping was observed in the nearby areas. A subsurface utilities investigation is outside the scope of services. Due to the nature of the piping, it is likely a remnant of a previous gutter downspout connection. However, this is considered a potential REC but is not a REC based on available information at this time. Historical review of available information did not indicate a UST at the subject property. If an underground petroleum storage tank and or petroleum-impacted soils are encountered during future redevelopment, the owner will be required to manage such tank and petroleum-impacted soils in accordance with applicable laws and regulations.

Finding No. 2 – Adjacent Property RCRA Non-Generator.

The adjacent property identified as the City of Lynchburg Museum was listed as a RCRA Non-Generator. VDEQ documentation noted that the waste stream was limited to a limited timeframe during repairs and renovations to the building. No release to the environment was reported. Should new information become available regarding the RCRA Non-Generator status, this may be revisited as a REC.

Finding No. 3 – Lead Based Paint and Asbestos Containing Material.

A Lead Based Paint and Asbestos Containing Materials survey was excluded from the scope of services of this Phase I ESA. Based on the age of the subject property buildings, these materials may be present.

7.1 RECs

This assessment has revealed one recognized environmental condition (REC). The church cathedral building formerly utilized coal to fuel a basement boiler for an unknown number of years. A stockpile of coal, staining throughout from the previous storage of coal, and a drum of Chemtreat BL-863, which was labeled corrosive was observed in the basement of the former cathedral building. The former bulk storage and use of coal on site is of concern given the potential for impact to the site from polyaromatic hydrocarbons (PAHs) and metals. Based on the length of time in operation, unknown former storage, use and disposal practices, and likely undocumented releases to the site from improper handling/disposal or spills, the former site use is considered an REC.

7.2 CRECs

This assessment has revealed no evidence of CRECs in connection with the subject property.

7.3 HRECs

This assessment has revealed no evidence of HRECs in connection with the subject property.

7.4 De Minimis Conditions

This assessment has revealed no evidence of de minimis conditions in connection with the subject property.

7.5 Business Environmental Risks (BERs)

The following Business Environmental Risks (BERs), which do not fall within the definition of a REC, have been identified during the course of this Phase I ESA and could potentially have a material environmental or environmentally driven impact on the business associated with the current or planned use of the subject property:

1. Asbestos Containing Material (ACM) and Lead-Based Paint (LBP)

   Asbestos is ubiquitous and ACM is commonly found in older buildings, particularly those built before 1990. The material was used in plumbing, piping, insulation, walls, roofing materials, floor tiles and adhesives, among others. The use of lead-based paint (LBP) has been banned in the United States since 1978. However, older buildings and commercial structures (e.g., water tanks, antenna towers, etc.) may contain LBP. Issues concerning ACM and LBP arise during demolition and redevelopment projects. Under both circumstances, a licensed inspector may need to be retained to sample suspect ACM and LBP in areas where disturbance is anticipated. If ACM or LBP is confirmed and needs to be removed (abated), ensure to follow all federal, state, and local regulations with respect to licensing and disposal.

7.6 Data Gaps

TRC has made an appropriate inquiry into the commonly known and reasonably ascertainable resources concerning the historical ownership and use of the subject property back to the first development per Section 8.3.8 of ASTM Practice E1527-21. Data gaps identified during this assessment include the following:

1. The former church contains a tower in the southeast corner that was not accessible during the site reconnaissance. This is not considered a significant data gap at this time.
2. The previous owner was not interviewed. This is not considered a significant data gap at this time.

7.7 Limiting Conditions and Deviations

7.7.1 Accuracy and Completeness

ASTM Practice E1527-21 recognizes inherent limitations for Phase I ESAs that apply to this report, including:

- Uncertainty Not Eliminated – No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Data gaps identified during this Phase I ESA are listed in Section 7.6.
- Not Exhaustive – A Phase I ESA is not an exhaustive investigation.

- Past Uses of the Property – A review of standard historical sources at intervals less than 5 years is not required.

The Client is advised that the Phase I ESA conducted at the subject property is a limited inquiry into a property's environmental status, cannot wholly eliminate uncertainty, and is not an exhaustive assessment to discover every potential source of environmental liability at the subject property. Therefore, TRC does not make a statement i) of warranty or guarantee, express or implied for any specific use; ii) that the subject property is free of RECs or environmental impairment; iii) that the subject property is "clean;" or iv) that impairments, if any, are limited to those that were discovered while TRC was performing the Phase I ESA. This limiting statement is not meant to compromise the findings of this report; rather, it is meant as a statement of limitations within the ASTM Standard and intended scope of this assessment. Specific limiting conditions identified during the site reconnaissance are described in Section 6.1. Subsurface conditions may differ from the conditions implied by surface observations and can be evaluated more thoroughly through intrusive techniques that are beyond the scope of this assessment. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other construction purposes.

This report presents TRC's site reconnaissance observations, findings, and conclusions as they existed at the time of the site reconnaissance. TRC makes no representation or warranty that the past or current operations at the property are or have been in compliance with applicable federal, state, and local laws, regulations, and codes. TRC makes no guarantees as to the accuracy or completeness of information obtained from others during the course of this Phase I ESA report. It is possible that information exists beyond the scope of this assessment, or that information was not provided to TRC. Additional information subsequently provided, discovered, or produced may alter findings or conclusions made in this Phase I ESA report. TRC is under no obligation to update this report to reflect such subsequent information. The findings presented in this report are based upon reasonably ascertainable information and observed subject property conditions at the time of the assessment.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not assessed. Regardless of the findings stated in this report, TRC is not responsible for consequences or conditions arising from facts that were not fully disclosed to TRC during the assessment.

An independent data research company provided the government agency database referenced in this report. Information regarding surrounding area properties was requested for approximate minimum search distances and was assumed to be correct and complete unless obviously contradicted by TRC's observations or other credible referenced sources reviewed during the assessment.

TRC is not a professional title insurance or land surveyor firm and makes no guarantee, explicit or implied, that any land title records acquired or reviewed, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

7.7.2 Warranties and Representations Disclaimer

TRC prepared this document solely for the benefit of the Client and the User. With regard to third-party recipients of this document, neither TRC, nor the Client, nor the User, nor any of their respective parents, affiliates, or subsidiaries, nor any person acting on their behalf: (a) makes any warranty, expressed or implied, with respect to the use of any information or methods disclosed in this document; or (b) assumes any liability with respect to the use of any information or methods disclosed in this document. Any third-party recipient of this document, by its acceptance or use of this document, releases TRC, the Client, the User, and their parents, affiliates, and subsidiaries from any liability for direct, indirect, economic, incidental, consequential, or special loss or damage whether arising in contract, warranty, express or implied, tort, or otherwise, and irrespective of fault, negligence, and strict liability.

This report does not warrant against: (1) operations or conditions which were not evident from visual observations or historical information provided; (2) conditions which could only be determined by physical sampling or other intrusive investigation techniques; (3) locations other than the client-provided addresses and/or subject property description; or (4) information regarding off-site location(s) (with possible impact to the subject property) not published in publicly available records.

7.7.3 Continued Validity/User Reliance

This report is presumed to be valid, in accordance with, and subject to, the limitations specified in ASTM Practice E1527-21, for a period of 180 days from the completion of each component using the dates provided in Section 8, or until the Client obtains specific information that may materially alter a finding, opinion, or conclusion in this report, or until the Client is notified by TRC that it has obtained specific information that may materially alter a finding, opinion, or conclusion in this report. Additionally, pursuant to ASTM Practice E1527-21, this report is presumed valid if the required components are completed fewer than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction.

7.7.4 Significant Assumptions

During this Phase I ESA, TRC relied on database information; interviews with subject property representatives, regulatory officials, and other individuals having knowledge of subject property operations; and User-provided information as requested in our authorized Scope of Work. TRC has assumed that the information provided is true and accurate. Reliance on electronic database search reports is subject to the limitations set forth in those reports. TRC did not independently verify the information provided. TRC found no reason to question the validity of the information received unless explicitly noted elsewhere in this report. If other information is discovered and/or if previous reports exist that were not provided to TRC, our conclusions may not be valid.

8.0 REFERENCES

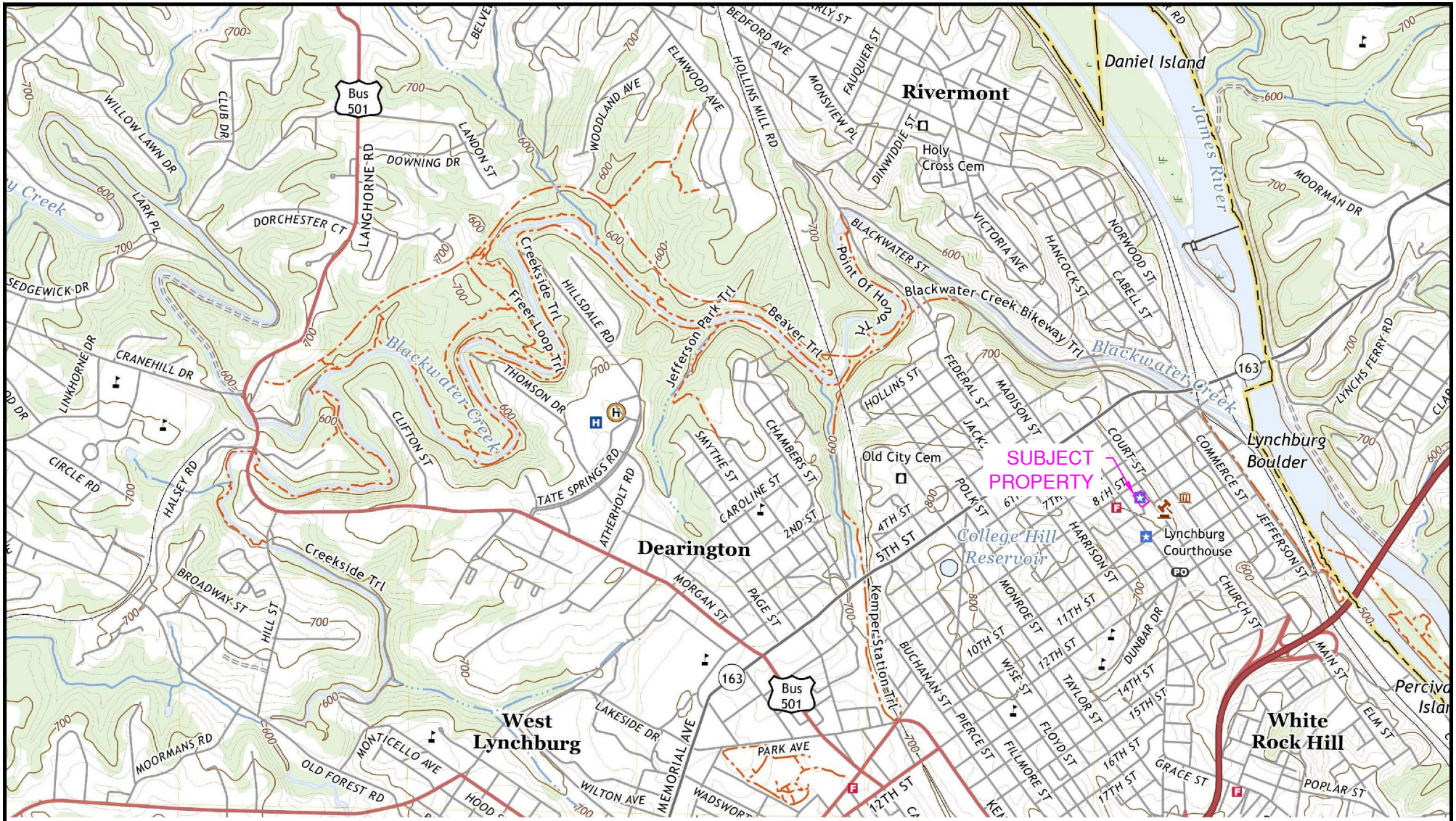
Table 8.1 - Reference Information

Description/Title of Document(s) Received or Agency Contacted	Date Information Request Filed/Date of Agency Contact	Information Updated	Reference Source
Regulatory database search and historical sources	03/12/2024	N/A	ERIS Inquiry Number: 24031200056
Local Fire Department – City of Lynchburg FOIA Center	03/15/2024	N/A	Reference Number R000054-031524
Site reconnaissance conducted by Phillip Pressley and Ryan Sadler, TRC	3/13/2024	N/A	N/A
VA DEQ	3/15/2024	N/A	FOIA Request Submission Number 3068511
City of Lynchburg GIS	03/15/2024	N/A	https://cityoflynchburg.maps.arcgis.com/home/index.html

9.0 NON-SCOPE ITEMS

This Phase I ESA report was limited to those items in ASTM Practice E1527-21. No ASTM Practice E1527-21 non-scope services were performed as part of this Phase I ESA.

FIGURES



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Blacksburg, VA | Northern Virginia
Charlottesville, VA | Virginia Beach, VA

NOTES:
- BACKGROUND FROM USGS LYNCHBURG, VA QUADRANGLE DATED 2022

N

0 2000 4000 Feet

SITE LOCATION MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT

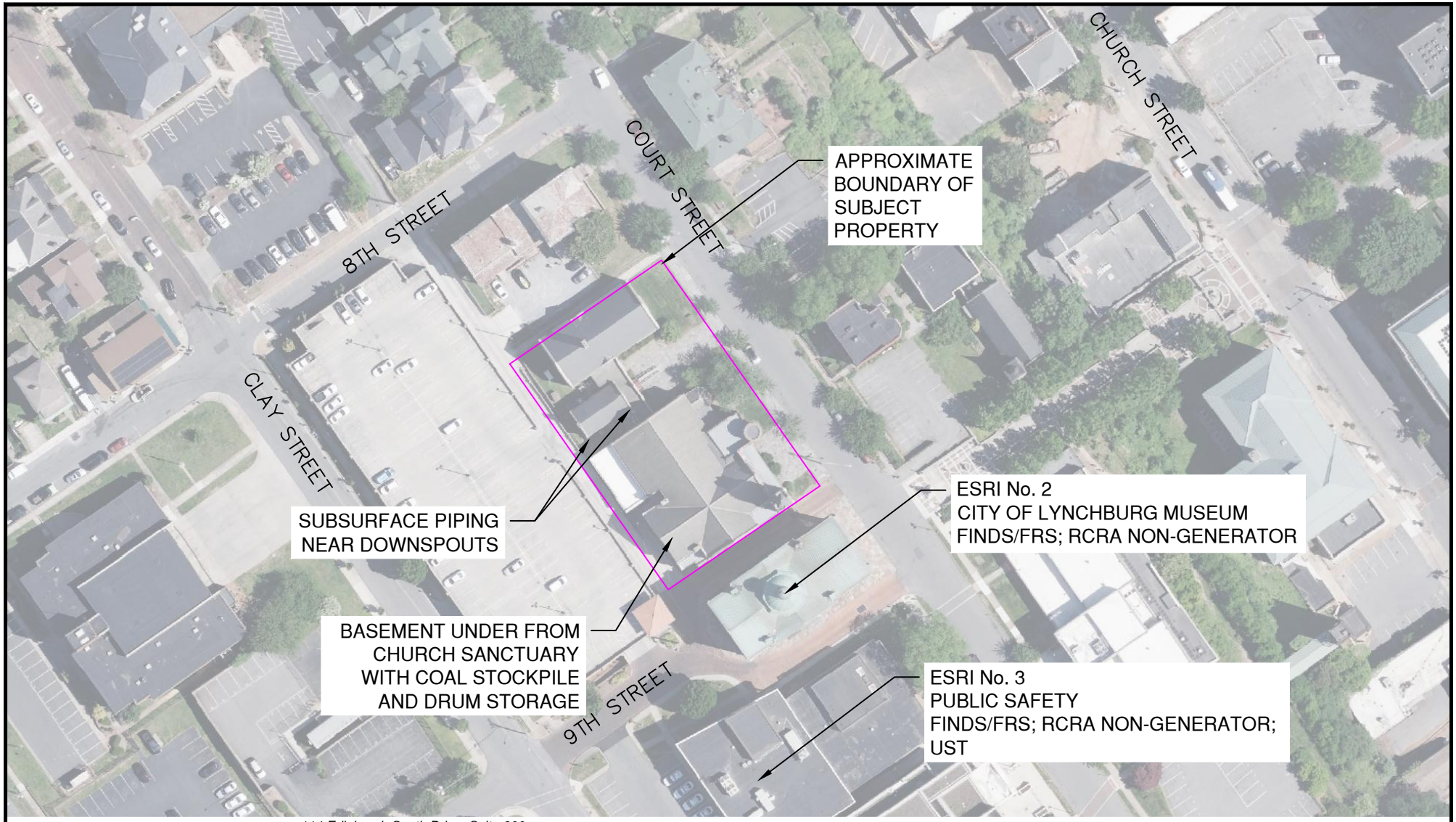
WEST BUILDING - 805 COURT STREET, LYNCHBURG, VA

DESIGNED
DRAWN PNP
CHECKED
DATE 03-24

PROJECT: 519073

SCALE: 1"=2000'

FIGURE 1



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Blacksburg, VA | Northern Virginia
Charlottesville, VA | Virginia Beach, VA

NOTES:
- BACKGROUND FROM USGS LYNCHBURG, VA QUADRANGLE DATED 2022

N

0 100 200 Feet

SITE DETAIL MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT

WEST BUILDING - 805 COURT STREET, LYNCHBURG, VA

DESIGNED	
DRAWN	PNP
CHECKED	
DATE	03-24

PROJECT: 519073

SCALE: 1"=200'

FIGURE 2

Appendix A:
Database Radius Report

DATABASE REPORT

Project Property:	*West Building* *805 Court Street* *Lynchburg VA 24504*
Project No:	*B12188B-10HM / Phase 03 / Task 05*
Report Type:	*Database Report*
Order No:	*24031200056*
Requested by:	*TRC Environmental Corporation*
Date Completed:	*March 14, 2024*

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Executive Summary

Property Information:

Project Property:	*West Building* *805 Court Street Lynchburg VA 24504*
Project No:	*B12188B-10HM / Phase 03 / Task 05*

Coordinates:

Latitude:	*37.41312189*
Longitude:	*-79.1441928*
UTM Northing:	*4,142,417.37*
UTM Easting:	*664,185.56*
UTM Zone:	*UTM Zone 17S*

Elevation: *708 FT*

Order Information:

Order No:	*24031200056*
Date Requested:	*March 12, 2024*
Requested by:	*TRC Environmental Corporation*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*
Vapor Screening Tool	*Vapor Screening Tool*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	**1**	0	**1**
RCRA TSD	Y	0.5	0	0	0	**1**	-	**1**
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	**1**	0	-	-	**1**
RCRA NON GEN	Y	0.25	0	**3**	**4**	-	-	**7**
RCRA CONTROLS	Y	0.5	0	0	0	**1**	-	**1**
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	**1**	0	**2**	**1**	-	**4**
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
SWF/LF	Y	0.5	0	0	0	0	-	0
LST	Y	0.5	0	**3**	**5**	**22**	-	**30**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	**7**	**14**	-	-	**21**
AST	Y	0.25	0	**1**	0	-	-	**1**
TANK	Y	0.25	0	0	0	-	-	0
DELISTED TANK	Y	0.25	0	0	0	-	-	0
INST	Y	0.5	0	0	0	**1**	-	**1**
VRP	Y	0.5	0	0	0	**1**	-	**1**
BROWNFIELDS	Y	0.5	**1**	0	**2**	**1**	-	**4**
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	**1**	**2**	-	-	-	**3**
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	**1**	0	0	**1**	**2**
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
SPILLS	Y	0.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PC SPILLS	Y	0.125	0	0	-	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

County ***No County additional environmental record sources available for this State.***

Total:	***3***	***18***	***27***	***29***	***1***	***78***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FED BROWNFIELDS	West Building	805 Court Street LYNCHBURG VA 24504 ***Property ID:*** *252514*	SE	0.00 / 0.00	0	29
1	FINDS/FRS	WEST BUILDING	805 COURT STREET LYNCHBURG VA 24504 ***Registry ID:*** *110071293075*	SE	0.00 / 0.00	0	32
1	BROWNFIELDS	West Building	805 Court Street LYNCHBURG VA	SE	0.00 / 0.00	0	32

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	RCRA NON GEN	CITY OF LYNCHBURG MUSEUM	901 COURT STREET LYNCHBURG VA 24504	SE	0.01 / 50.65	-1	32
			EPA Handler ID: VAP701201201				
2	FINDS/FRS	CITY OF LYNCHBURG MUSEUM	901 COURT STREET LYNCHBURG VA 24504	SE	0.01 / 50.65	-1	34
			Registry ID: 110054870957				
3	RCRA NON GEN	CHESAPEAKE & POTOMAC TELEPHONE CO	905 COURT ST LYNCHBURG VA 24505	SSE	0.02 / 101.72	-3	35
			EPA Handler ID: VAD980691398				
3	UST	PUBLIC SAFETY	905 Court Street Lynchburg VA 24504	SSE	0.02 / 101.72	-3	36
			Facility ID | Facility Active | Active UST | Inactive UST: 7007282 | No | 0 | 1 ***Tank No:*** R1, REM FROM GRD				
3	FINDS/FRS	CHESAPEAKE & POTOMAC TELEPHONE CO	905 COURT ST LYNCHBURG VA 24505	SSE	0.02 / 101.72	-3	38
			Registry ID: 110005228672				
4	UST	LYNCHBURG CITY JAIL	510 Ninth Street Lynchburg VA 24505	SW	0.06 / 323.67	-33	38
			Facility ID | Facility Active | Active UST | Inactive UST: 7007235 | Yes | 1 | 1 ***Tank No:*** R1, REM FROM GRD, 1, CURR IN USE				
5	UST	FIRE STATION #1	801 Clay Street Lynchburg VA 24504	WSW	0.06 / 334.35	-21	41
			Facility ID | Facility Active | Active UST | Inactive UST: 7024863 | No | 0 | 1 ***Tank No:*** CFS-11, PERM OUT OF USE				
6	UST	CITY HALL	900 Church Street Lynchburg VA 24505	E	0.09 / 452.83	-69	43
			Facility ID | Facility Active | Active UST | Inactive UST: 7007277 | No | 0 | 1 ***Tank No:*** G1, CLS IN GRD				
7	UST	CITY OF LYNCHBURG BUILDING	925 Church Street LYNCHBURG VA 24505	E	0.10 / 505.03	-69	45
			Facility ID | Facility Active | Active UST | Inactive UST: 7027145 | No | 0 | 1 ***Tank No:*** R1, REM FROM GRD				
7	LST	CITY OF LYNCHBURG BUILDING	925 Church Street LYNCHBURG VA 24505	E	0.10 / 505.03	-69	47
			CEDS Fac ID | Case Status: 200000088465 | Closed ***RST Status Ind:*** Closed				
8	UST	ALLIED SERVICE STATION	711 Church Street Lynchburg VA 24505	N	0.11 / 564.15	-60	47
			Facility ID | Facility Active | Active UST | Inactive UST: 7000919 | No | 0 | 2 ***Tank No:*** 2, CLS IN GRD, 1, CLS IN GRD				
8	LST	Former Allied Service Station	711 Church Street Lynchburg VA 24505	N	0.11 / 564.15	-60	50

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***CEDS Fac ID	Case Status:*** 200000081595 | Closed ***RST Status Ind:*** Closed			
9	MRDS	B & W NUCLEAR FUELS/ LYNCHBURG, VA.	LYNCHBURG COUNTY LYNCHBURG VA 24504 ***Dep ID:*** 10276891	ENE	0.11 / 564.15	-87	51
10	RCRA NON GEN	CHESAPEAKE & POTOMAC TELEPHONE CO	706 CHURCH ST LYNCHBURG VA 24504 ***EPA Handler ID:*** VAD980720270	N	0.11 / 586.67	-64	51
10	AST	Verizon-Lynchburg CO	706 CHURCH STREET Lynchburg VA 24504 ***Facility ID	Facility Active	Active AST	Inactive AST:*** 7005445 | Yes | 2 | 0 ***Tank Type:*** AST, CURR IN USE, AST, CURR IN USE	N	0.11 / 586.67	-64	52
10	UST	Verizon-Lynchburg CO	706 CHURCH STREET Lynchburg VA 24504 ***Facility ID	Facility Active	Active UST	Inactive UST:*** 7005445 | Yes | 0 | 3 ***Tank No:*** 2, CLS IN GRD, 1, CLS IN GRD, 3, CLS IN GRD	N	0.11 / 586.67	-64	55
10	LST	Verizon Lynchburg Central Office	706 CHURCH STREET Lynchburg VA 24504 ***CEDS Fac ID	Case Status:*** 200000094044 | Closed ***RST Status Ind:*** Closed	N	0.11 / 586.67	-64	59
11	RCRA VSQG	AT & T-LYNCHBURG-VA0050	700 CHURCH ST-POINT RD LYNCHBURG VA 24505 ***EPA Handler ID:*** VAD980707244	NNE	0.11 / 592.09	-70	60
12	UST	LEGGETT STORE	1016 Church St Lynchburg VA 24505 ***Facility ID	Facility Active	Active UST	Inactive UST:*** 7026017 | No | 0 | 2 ***Tank No:*** R1, REM FROM GRD, R2, REM FROM GRD	ESE	0.14 / 744.79	-77	61
13	RCRA NON GEN	CHESAPEAKE & POTOMAC TELEPHONE CO	1010 MAIN ST LYNCHBURG VA 24505 ***EPA Handler ID:*** VAD980690614	E	0.17 / 908.85	-104	64
14	UST	FLEET BUILDING	921 Commerce St Lynchburg VA 24504 ***Facility ID	Facility Active	Active UST	Inactive UST:*** 7007279 | No | 0 | 2 ***Tank No:*** 1, CLS IN GRD, 2, CLS IN GRD	E	0.19 / 1,021.09	-132	65
15	BROWNFIELDS	400 Block 5th Street	400,406,408,5th. 507,509 Court Street LYNCHBURG VA	NW	0.20 / 1,058.04	-22	68
15	FED BROWNFIELDS	400 Block 5th Street	400,406,408,5th. 507,509 Court Street LYNCHBURG VA 24504 ***Property ID:*** 258040	NW	0.20 / 1,058.04	-22	68
16	UST	LYNCHBURG TRADING CO	918 COMMERCE STREET Lynchburg VA 24505 ***Facility ID	Facility Active	Active UST	Inactive UST:*** 7026815 | No | 0 | 1 ***Tank No:*** 1, PERM OUT OF USE	ENE	0.21 / 1,111.54	-142	71

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
16	LST	LYNCHBURG TRADING CO	918 COMMERCE STREET Lynchburg VA 24505	ENE	0.21 / 1,111.54	-142	73
			CEDS Fac ID | Case Status: 200000080963 | Closed ***RST Status Ind:*** Closed				
16	LST	LYNCHBURG TRADING CO	918 COMMERCE STREET Lynchburg VA 24505	ENE	0.21 / 1,111.54	-142	73
			RST Status Ind: Closed				
17	LST	Federal Courthouse Complex City of Lynchburg	12th and Clay Streets Lynchburg VA 24502	SSE	0.22 / 1,156.34	-73	74
			CEDS Fac ID | Case Status: 200000205174 | Closed ***RST Status Ind:*** Closed				
18	UST	FISHER AUTO PARTS - 5TH-LYNCHBURG	406 FIFTH ST Lynchburg VA 24505	NW	0.22 / 1,159.83	-11	75
			Facility ID | Facility Active | Active UST | Inactive UST: 7020115 | No | 0 | 1 ***Tank No:*** R1, REM FROM GRD				
18	RCRA NON GEN	FISHER AUTO PARTS, INC. - LYNCHBURG	406 FIFTH ST LYNCHBURG VA 24505	NW	0.22 / 1,159.83	-11	77
			EPA Handler ID: VAD988193835				
19	RCRA NON GEN	ATTACK PRODUCTS DIV	1000 COMMERCE ST LYNCHBURG VA 24505	E	0.22 / 1,186.72	-142	78
			EPA Handler ID: VAR000001123				
20	UST	CITY ARMORY	12th & Church Sts. Lynchburg VA 24504	ESE	0.23 / 1,201.36	-81	80
			Facility ID | Facility Active | Active UST | Inactive UST: 7007273 | No | 0 | 2 ***Tank No:*** 2, PERM OUT OF USE, 1, CLS IN GRD				
20	UST	VAUGHAN MOTOR CO INC	12TH & CHURCH ST. Lynchburg VA 24505	ESE	0.23 / 1,201.36	-81	83
			Facility ID | Facility Active | Active UST | Inactive UST: 7008510 | No | 0 | 1 ***Tank No:*** 1, CLS IN GRD				
21	UST	AMOCO OIL CO	Church & 12th Street Lynchburg VA 24504	ESE	0.23 / 1,201.72	-81	84
			Facility ID | Facility Active | Active UST | Inactive UST: 7014857 | No | 0 | 25 ***Tank No:*** 1, CLS IN GRD, 10, CLS IN GRD, 12, CLS IN GRD, 17, CLS IN GRD, 7, CLS IN GRD, 8, CLS IN GRD, 9, CLS IN GRD, 19, CLS IN GRD, 22, CLS IN GRD, 23, CLS IN GRD, 5, CLS IN GRD, 13, CLS IN GRD, 15, CLS IN GRD, 6, CLS IN GRD, 16, CLS IN GRD, 20, CLS IN GRD, 21, CLS IN GRD, 3, CLS IN GRD, 4, CLS IN GRD, 11, CLS IN GRD, 18, CLS IN GRD, 14, CLS IN GRD, 2, CLS IN GRD, 24, CLS IN GRD, 25, CLS IN GRD				
22	UST	PRO AUTO SERVICE CENTER	403 5th Street Lynchburg VA 24504	NW	0.23 / 1,220.51	-13	110
			Facility ID | Facility Active | Active UST | Inactive UST: 7010424 | No | 0 | 1 ***Tank No:*** R1, REM FROM GRD				
22	BROWNFIELDS	403 5th Street	403 5th St LYNCHBURG VA	NW	0.23 / 1,220.51	-13	112
22	FED BROWNFIELDS	403 5th Street	403 5th St LYNCHBURG VA 24504	NW	0.23 / 1,220.51	-13	112
			Property ID: 241819				
23	UST	TRAILWAYS INC	512 FIFTH ST. Lynchburg VA 24504	WNW	0.24 / 1,252.30	18	120

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Facility ID	Facility Active	Active UST	Inactive UST:*** 7006423 | No | 0 | 3 ***Tank No:*** 3, REM FROM GRD, 1, CLS IN GRD, 2, CLS IN GRD				
24	UST	FCL WAREHOUSE	616 Commerce Street Lynchburg VA 24504	NNE	0.24 / 1,255.30	-137	124
			***Facility ID	Facility Active	Active UST	Inactive UST:*** 7023479 | No | 0 | 1 ***Tank No:*** R1, REM FROM GRD				
25	UST	BUILDING O	727 Jefferson St Lynchburg VA 24504	NE	0.24 / 1,256.94	-161	126
			***Facility ID	Facility Active	Active UST	Inactive UST:*** 7037522 | No | 0 | 1 ***Tank No:*** R1, REM FROM GRD				
25	RCRA NON GEN	V R MARIANI	723-727 JEFFERSON ST LYNCHBURG VA 24504	NE	0.24 / 1,256.94	-161	128
			EPA Handler ID: VAD988218590				
26	UST	NEIGBORHOOD MARKET / W&T MINI MART	505 Grace Street Lynchburg VA 24504	SSE	0.24 / 1,265.58	-73	130
			***Facility ID	Facility Active	Active UST	Inactive UST:*** 7019986 | No | 0 | 3 ***Tank No:*** 3, PERM OUT OF USE, R1, REM FROM GRD, R2, REM FROM GRD				
26	LST	Neighborhood Market	505 Grace Street Lynchburg VA 24504	SSE	0.24 / 1,265.58	-73	134
			***CEDS Fac ID	Case Status:*** 200000081743 | Closed ***RST Status Ind:*** Closed				
27	UST	BUILDING I	56 7th St Lynchburg VA 24504	NE	0.24 / 1,274.83	-151	134
			***Facility ID	Facility Active	Active UST	Inactive UST:*** 7037523 | No | 0 | 1 ***Tank No:*** R1, REM FROM GRD				
28	UST	5TH ST TEXACO	521 5th St Lynchburg VA 24504	WNW	0.24 / 1,279.83	19	136
			***Facility ID	Facility Active	Active UST	Inactive UST:*** 7008192 | No | 0 | 10 ***Tank No:*** closed4, PERM OUT OF USE, closed6, PERM OUT OF USE, 2, REM FROM GRD, 3, REM FROM GRD, closed3, PERM OUT OF USE, 1, REM FROM GRD, 4, REM FROM GRD, closed1, PERM OUT OF USE, 5, REM FROM GRD, closed2, PERM OUT OF USE				
28	LST	Kwik Stop	521 5th St Lynchburg VA 24504	WNW	0.24 / 1,279.83	19	147
			***CEDS Fac ID	Case Status:*** 200000088455 | Closed ***RST Status Ind:*** Closed				
29	LST	CENTRAL FIDELITY BANK/CAR WASH	812 JEFFERSON ST. Lynchburg VA 24505	ENE	0.26 / 1,353.22	-174	148
			***CEDS Fac ID	Case Status:*** 200000093723 | Closed ***RST Status Ind:*** Closed				
30	LST	CSX TRANSPORTATION	10th & Jefferson Sts Lynchburg VA 24504	E	0.26 / 1,373.90	-172	148
			***CEDS Fac ID	Case Status:*** 200000205007 | Closed ***RST Status Ind:*** Closed				
31	BROWNFIELDS	Former White Star Steam Laundry	1209, 1213, 1217 Church Street LYNCHBURG VA	SE	0.27 / 1,411.89	-82	149
31	FED BROWNFIELDS	Former White Star Steam Laundry	1209, 1213, 1217 Church Street LYNCHBURG VA 24501 ***Property ID:*** 234730	SE	0.27 / 1,411.89	-82	149
32	LST	Danny George Property	1217 Church St Lynchburg VA 24504	ESE	0.27 / 1,430.12	-86	165

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			CEDS Fac ID | Case Status: 200000895277 | Closed ***RST Status Ind:*** Closed				
33	LST	Dennis McCain TV Repair Shop	704 5th St Lynchburg VA	WNW	0.28 / 1,475.57	4	165
			CEDS Fac ID | Case Status: 200000206465 | Closed ***RST Status Ind:*** Closed				
34	LST	Massie Lonnie Residence	911 Jackson St Lynchburg VA 24504	SW	0.28 / 1,490.22	3	166
			CEDS Fac ID | Case Status: 200000853907 | Closed ***RST Status Ind:*** Closed				
35	LST	Jennings Barbara Residence	1015 Jackson St Lynchburg VA 24504	SW	0.30 / 1,601.17	35	167
			CEDS Fac ID | Case Status: 200000853455 | Closed ***RST Status Ind:*** Closed				
36	LST	Former Lawrence Market	717 Fifth Street Lynchburg VA 24504	WNW	0.31 / 1,627.67	8	167
			CEDS Fac ID | Case Status: 200000217247 | Closed ***RST Status Ind:*** Closed				
37	LST	CityScape LLC 1220 Commerce St	1220 Commerce St Lynchburg VA 24504	ESE	0.33 / 1,743.42	-126	168
			CEDS Fac ID | Case Status: 200000878639 | Closed ***RST Status Ind:*** Closed				
38	LST	Former 5th Street Exxon	801 5th Street Lynchburg VA 24504	W	0.33 / 1,750.73	12	169
			CEDS Fac ID | Case Status: 200000221450 | Closed ***RST Status Ind:*** Closed				
39	LST	CSX Crude Oil Derailment Lynchburg	4 9th St Lynchburg VA 24504	E	0.35 / 1,824.44	-209	169
			CEDS Fac ID | Case Status: 200000875729 | Closed ***RST Status Ind:*** Closed				
40	LST	Adams Motor Co Storage Lot at 407 Jackson St	813 Fifth Street Lynchburg VA 24504	W	0.35 / 1,859.63	16	170
			CEDS Fac ID | Case Status: 200000080924 | Closed ***RST Status Ind:*** Closed				
41	VRP	Lynchburg Manufactured Gas Plant	Lynchburg VA 24504	N	0.36 / 1,880.62	-166	171
41	INST	Lynchburg Manufactured Gas Plant	Lynchburg VA 24504	N	0.36 / 1,880.62	-166	173
42	LST	Drew Loring Residence	501 Washington St Lynchburg VA 24504	SSE	0.36 / 1,924.89	-5	175
			CEDS Fac ID | Case Status: 200000884523 | Closed ***RST Status Ind:*** Closed				
43	RCRA CORRACTS	GRIFFIN PIPE PRODUCTS CO.	10 ADAMS STREET LYNCHBURG VA 24504	NE	0.38 / 1,988.39	-198	176
			EPA Handler ID: VAD065417008				
43	LST	GRIFFIN PIPE PRODUCTS CO	10 Adams St Lynchburg VA 24504	NE	0.38 / 1,988.39	-198	211

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			CEDS Fac ID | Case Status: 200000083038 | Closed ***RST Status Ind:*** Closed				
43	LST	GRIFFIN PIPE PRODUCTS CO	10 Adams St Lynchburg VA 24504	NE	0.38 / 1,988.39	-198	211
			CEDS Fac ID | Case Status: 200000083038 | Closed ***RST Status Ind:*** Closed				
43	LST	Griffin Pipe Products	10 Adams St Lynchburg VA 24504	NE	0.38 / 1,988.39	-198	212
			CEDS Fac ID | Case Status: 200000083038 | Closed ***RST Status Ind:*** Closed				
43	RCRA TSD	GRIFFIN PIPE PRODUCTS CO.	10 ADAMS STREET LYNCHBURG VA 24504	NE	0.38 / 1,988.39	-198	213
			EPA Handler ID: VAD065417008				
43	RCRA CONTROLS	GRIFFIN PIPE PRODUCTS CO.	10 ADAMS STREET LYNCHBURG VA 24504	NE	0.38 / 1,988.39	-198	240
			EPA Handler ID: VAD065417008				
44	LST	Halsey Terrace Apartments	220 Madison St Lynchburg VA 24504	NW	0.40 / 2,094.30	71	266
			CEDS Fac ID | Case Status: 200000224846 | Closed ***RST Status Ind:*** Closed				
45	LST	Larkin Thomas D Jr Trust Property	215 Madison St Lynchburg VA 24504	NW	0.40 / 2,130.71	73	267
			CEDS Fac ID | Case Status: 200000893203 | Closed ***RST Status Ind:*** Closed				
46	LST	Boyd Toler Residence	922 Taylor Street Lynchburg VA 24504	SW	0.46 / 2,442.56	53	268
			CEDS Fac ID | Case Status: 200000846571 | Closed ***RST Status Ind:*** Closed				
47	LST	TRENT PROPERTY	Lynchburg VA 24501	SSW	0.46 / 2,454.49	50	268
			CEDS Fac ID | Case Status: 200000093747 | Closed ***RST Status Ind:*** Closed				
48	LST	GRAY TOP CAB	1107 TWELFTH STREET Lynchburg VA 24504	SSW	0.48 / 2,512.61	45	269
			RST Status Ind: Closed				
49	LST	Smith Rachel Residence	409 C St Lynchburg VA 24504	NNW	0.49 / 2,576.92	-86	270
			CEDS Fac ID | Case Status: 200000858585 | Closed ***RST Status Ind:*** Closed				
50	LST	COLLEGE HILL FILTRATION PLANT	525 Taylor St Lynchburg VA 24505	W	0.50 / 2,638.04	73	270
			CEDS Fac ID | Case Status: 200000088241 | Closed ***RST Status Ind:*** Closed				
51	MRDS	LYNCHBURG QUARRY	AMHERST COUNTY MADISON HEIGHTS VA 24572 ***Dep ID:*** 10204140	E	0.63 / 3,325.92	-14	271

Executive Summary: Summary by Data Source

Standard

Federal

RCRA CORRACTS - RCRA CORRACTS-Corrective Action

A search of the RCRA CORRACTS database, dated Oct 2, 2023 has found that there are 1 RCRA CORRACTS site(s) within approximately 1.00miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GRIFFIN PIPE PRODUCTS CO.	10 ADAMS STREET LYNCHBURG VA 24504 ***EPA Handler ID**: VAD065417008*	NE	0.38 / 1,988.39	43

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Oct 2, 2023 has found that there are 1 RCRA TSD site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GRIFFIN PIPE PRODUCTS CO.	10 ADAMS STREET LYNCHBURG VA 24504 ***EPA Handler ID**: VAD065417008*	NE	0.38 / 1,988.39	43

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Oct 2, 2023 has found that there are 1 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
AT & T-LYNCHBURG-VA0050	700 CHURCH ST-POINT RD LYNCHBURG VA 24505 ***EPA Handler ID**: VAD980707244*	NNE	0.11 / 592.09	11

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Oct 2, 2023 has found that there are 7 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF LYNCHBURG MUSEUM	901 COURT STREET LYNCHBURG VA 24504 ***EPA Handler ID**: VAP701201201*	SE	0.01 / 50.65	2
CHESAPEAKE & POTOMAC TELEPHONE CO	905 COURT ST LYNCHBURG VA 24505 ***EPA Handler ID**: VAD980691398*	SSE	0.02 / 101.72	3

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHESAPEAKE & POTOMAC TELEPHONE CO	706 CHURCH ST LYNCHBURG VA 24504 ***EPA Handler ID**: VAD980720270*	N	0.11 / 586.67	10
CHESAPEAKE & POTOMAC TELEPHONE CO	1010 MAIN ST LYNCHBURG VA 24505 ***EPA Handler ID**: VAD980690614*	E	0.17 / 908.85	13
FISHER AUTO PARTS, INC. - LYNCHBURG	406 FIFTH ST LYNCHBURG VA 24505 ***EPA Handler ID**: VAD988193835*	NW	0.22 / 1,159.83	18
ATTACK PRODUCTS DIV	1000 COMMERCE ST LYNCHBURG VA 24505 ***EPA Handler ID**: VAR000001123*	E	0.22 / 1,186.72	19
V R MARIANI	723-727 JEFFERSON ST LYNCHBURG VA 24504 ***EPA Handler ID**: VAD988218590*	NE	0.24 / 1,256.94	25

RCRA CONTROLS - RCRA Sites with Controls

A search of the RCRA CONTROLS database, dated Oct 2, 2023 has found that there are 1 RCRA CONTROLS site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
GRIFFIN PIPE PRODUCTS CO.	10 ADAMS STREET LYNCHBURG VA 24504 ***EPA Handler ID**: VAD065417008*	NE	0.38 / 1,988.39	43

FED BROWNFIELDS - The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database

A search of the FED BROWNFIELDS database, dated Feb 7, 2024 has found that there are 4 FED BROWNFIELDS site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
West Building	805 Court Street LYNCHBURG VA 24504 ***Property ID**: 252514*	SE	0.00 / 0.00	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
400 Block 5th Street	400,406,408,5th. 507,509 Court Street LYNCHBURG VA 24504 ***Property ID**: 258040*	NW	0.20 / 1,058.04	15
403 5th Street	403 5th St LYNCHBURG VA 24504 ***Property ID**: 241819*	NW	0.23 / 1,220.51	22

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Former White Star Steam Laundry	1209, 1213, 1217 Church Street LYNCHBURG VA 24501	SE	0.27 / 1,411.89	31
	***Property ID**: 234730*			

State

LST - Leaking Petroleum Storage Tanks

A search of the LST database, dated Jan 22, 2024 has found that there are 30 LST site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Kwik Stop	521 5th St Lynchburg VA 24504	WNW	0.24 / 1,279.83	28
	***CEDS Fac ID | Case Status**: 200000088455 | Closed* ***RST Status Ind**: Closed*			
Dennis McCain TV Repair Shop	704 5th St Lynchburg VA	WNW	0.28 / 1,475.57	33
	***CEDS Fac ID | Case Status**: 200000206465 | Closed* ***RST Status Ind**: Closed*			
Massie Lonnie Residence	911 Jackson St Lynchburg VA 24504	SW	0.28 / 1,490.22	34
	***CEDS Fac ID | Case Status**: 200000853907 | Closed* ***RST Status Ind**: Closed*			
Jennings Barbara Residence	1015 Jackson St Lynchburg VA 24504	SW	0.30 / 1,601.17	35
	***CEDS Fac ID | Case Status**: 200000853455 | Closed* ***RST Status Ind**: Closed*			
Former Lawrence Market	717 Fifth Street Lynchburg VA 24504	WNW	0.31 / 1,627.67	36
	***CEDS Fac ID | Case Status**: 200000217247 | Closed* ***RST Status Ind**: Closed*			
Former 5th Street Exxon	801 5th Street Lynchburg VA 24504	W	0.33 / 1,750.73	38
	***CEDS Fac ID | Case Status**: 200000221450 | Closed* ***RST Status Ind**: Closed*			
Adams Motor Co Storage Lot at 407 Jackson St	813 Fifth Street Lynchburg VA 24504	W	0.35 / 1,859.63	40
	***CEDS Fac ID | Case Status**: 200000080924 | Closed* ***RST Status Ind**: Closed*			
Halsey Terrace Apartments	220 Madison St Lynchburg VA 24504	NW	0.40 / 2,094.30	44
	***CEDS Fac ID | Case Status**: 200000224846 | Closed* ***RST Status Ind**: Closed*			
Larkin Thomas D Jr Trust Property	215 Madison St Lynchburg VA 24504	NW	0.40 / 2,130.71	45
	***CEDS Fac ID | Case Status**: 200000893203 | Closed* ***RST Status Ind**: Closed*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Boyd Toler Residence	922 Taylor Street Lynchburg VA 24504	SW	0.46 / 2,442.56	46
	***CEDS Fac ID | Case Status**: 200000846571 | Closed* ***RST Status Ind**: Closed*			
TRENT PROPERTY	Lynchburg VA 24501	SSW	0.46 / 2,454.49	47
	***CEDS Fac ID | Case Status**: 200000093747 | Closed* ***RST Status Ind**: Closed*			
GRAY TOP CAB	1107 TWELFTH STREET Lynchburg VA 24504	SSW	0.48 / 2,512.61	48
	***RST Status Ind**: Closed*			
COLLEGE HILL FILTRATION PLANT	525 Taylor St Lynchburg VA 24505	W	0.50 / 2,638.04	50
	***CEDS Fac ID | Case Status**: 200000088241 | Closed* ***RST Status Ind**: Closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF LYNCHBURG BUILDING	925 Church Street LYNCHBURG VA 24505	E	0.10 / 505.03	7
	***CEDS Fac ID | Case Status**: 200000088465 | Closed* ***RST Status Ind**: Closed*			
Former Allied Service Station	711 Church Street Lynchburg VA 24505	N	0.11 / 564.15	8
	***CEDS Fac ID | Case Status**: 200000081595 | Closed* ***RST Status Ind**: Closed*			
Verizon Lynchburg Central Office	706 CHURCH STREET Lynchburg VA 24504	N	0.11 / 586.67	10
	***CEDS Fac ID | Case Status**: 200000094044 | Closed* ***RST Status Ind**: Closed*			
LYNCHBURG TRADING CO	918 COMMERCE STREET Lynchburg VA 24505	ENE	0.21 / 1,111.54	16
	***RST Status Ind**: Closed*			
LYNCHBURG TRADING CO	918 COMMERCE STREET Lynchburg VA 24505	ENE	0.21 / 1,111.54	16
	***CEDS Fac ID | Case Status**: 200000080963 | Closed* ***RST Status Ind**: Closed*			
Federal Courthouse Complex City of Lynchburg	12th and Clay Streets Lynchburg VA 24502	SSE	0.22 / 1,156.34	17
	***CEDS Fac ID | Case Status**: 200000205174 | Closed* ***RST Status Ind**: Closed*			
Neighborhood Market	505 Grace Street Lynchburg VA 24504	SSE	0.24 / 1,265.58	26
	***CEDS Fac ID | Case Status**: 200000081743 | Closed* ***RST Status Ind**: Closed*			
CENTRAL FIDELITY BANK/CAR WASH	812 JEFFERSON ST. Lynchburg VA 24505	ENE	0.26 / 1,353.22	29
	***CEDS Fac ID | Case Status**: 200000093723 | Closed* ***RST Status Ind**: Closed*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CSX TRANSPORTATION	10th & Jefferson Sts Lynchburg VA 24504	E	0.26 / 1,373.90	30
	***CEDS Fac ID | Case Status**: 200000205007 | Closed* ***RST Status Ind**: Closed*			
Danny George Property	1217 Church St Lynchburg VA 24504	ESE	0.27 / 1,430.12	32
	***CEDS Fac ID | Case Status**: 200000895277 | Closed* ***RST Status Ind**: Closed*			
CityScape LLC 1220 Commerce St	1220 Commerce St Lynchburg VA 24504	ESE	0.33 / 1,743.42	37
	***CEDS Fac ID | Case Status**: 200000878639 | Closed* ***RST Status Ind**: Closed*			
CSX Crude Oil Derailment Lynchburg	4 9th St Lynchburg VA 24504	E	0.35 / 1,824.44	39
	***CEDS Fac ID | Case Status**: 200000875729 | Closed* ***RST Status Ind**: Closed*			
Drew Loring Residence	501 Washington St Lynchburg VA 24504	SSE	0.36 / 1,924.89	42
	***CEDS Fac ID | Case Status**: 200000884523 | Closed* ***RST Status Ind**: Closed*			
GRIFFIN PIPE PRODUCTS CO	10 Adams St Lynchburg VA 24504	NE	0.38 / 1,988.39	43
	***CEDS Fac ID | Case Status**: 200000083038 | Closed* ***RST Status Ind**: Closed*			
GRIFFIN PIPE PRODUCTS CO	10 Adams St Lynchburg VA 24504	NE	0.38 / 1,988.39	43
	***CEDS Fac ID | Case Status**: 200000083038 | Closed* ***RST Status Ind**: Closed*			
Griffin Pipe Products	10 Adams St Lynchburg VA 24504	NE	0.38 / 1,988.39	43
	***CEDS Fac ID | Case Status**: 200000083038 | Closed* ***RST Status Ind**: Closed*			
Smith Rachel Residence	409 C St Lynchburg VA 24504	NNW	0.49 / 2,576.92	49
	***CEDS Fac ID | Case Status**: 200000858585 | Closed* ***RST Status Ind**: Closed*			

UST - Underground Storage Tanks

A search of the UST database, dated Jan 22, 2024 has found that there are 21 UST site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TRAILWAYS INC	512 FIFTH ST. Lynchburg VA 24504	WNW	0.24 / 1,252.30	23
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7006423 | No | 0 | 3* ***Tank No**: 3, REM FROM GRD, 1, CLS IN GRD, 2, CLS IN GRD*			
5TH ST TEXACO	521 5th St Lynchburg VA 24504	WNW	0.24 / 1,279.83	28
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7008192 | No | 0 | 10* ***Tank No**: closed4, PERM OUT OF USE, closed6, PERM OUT OF USE, 2, REM FROM GRD, 3, REM FROM GRD, closed3, PERM OUT OF USE, 1, REM FROM GRD, 4, REM FROM GRD, closed1, PERM OUT OF USE, 5, REM FROM GRD, closed2, PERM OUT OF USE*			

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Lower Elevation	**Address**	**Direction**	**Distance (mi/ft)**	**Map Key**
PUBLIC SAFETY	905 Court Street Lynchburg VA 24504	SSE	0.02 / 101.72	3
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7007282 | No | 0 | 1* ***Tank No**: R1, REM FROM GRD*			
LYNCHBURG CITY JAIL	510 Ninth Street Lynchburg VA 24505	SW	0.06 / 323.67	4
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7007235 | Yes | 1 | 1* ***Tank No**: R1, REM FROM GRD, 1, CURR IN USE*			
FIRE STATION #1	801 Clay Street Lynchburg VA 24504	WSW	0.06 / 334.35	5
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7024863 | No | 0 | 1* ***Tank No**: CFS-11, PERM OUT OF USE*			
CITY HALL	900 Church Street Lynchburg VA 24505	E	0.09 / 452.83	6
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7007277 | No | 0 | 1* ***Tank No**: G1, CLS IN GRD*			
CITY OF LYNCHBURG BUILDING	925 Church Street LYNCHBURG VA 24505	E	0.10 / 505.03	7
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7027145 | No | 0 | 1* ***Tank No**: R1, REM FROM GRD*			
ALLIED SERVICE STATION	711 Church Street Lynchburg VA 24505	N	0.11 / 564.15	8
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7000919 | No | 0 | 2* ***Tank No**: 2, CLS IN GRD, 1, CLS IN GRD*			
Verizon-Lynchburg CO	706 CHURCH STREET Lynchburg VA 24504	N	0.11 / 586.67	10
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7005445 | Yes | 0 | 3* ***Tank No**: 2, CLS IN GRD, 1, CLS IN GRD, 3, CLS IN GRD*			
LEGGETT STORE	1016 Church St Lynchburg VA 24505	ESE	0.14 / 744.79	12
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7026017 | No | 0 | 2* ***Tank No**: R1, REM FROM GRD, R2, REM FROM GRD*			
FLEET BUILDING	921 Commerce St Lynchburg VA 24504	E	0.19 / 1,021.09	14
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7007279 | No | 0 | 2* ***Tank No**: 1, CLS IN GRD, 2, CLS IN GRD*			
LYNCHBURG TRADING CO	918 COMMERCE STREET Lynchburg VA 24505	ENE	0.21 / 1,111.54	16
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7026815 | No | 0 | 1* ***Tank No**: 1, PERM OUT OF USE*			
FISHER AUTO PARTS - 5TH-LYNCHBURG	406 FIFTH ST Lynchburg VA 24505	NW	0.22 / 1,159.83	18
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7020115 | No | 0 | 1* ***Tank No**: R1, REM FROM GRD*			
CITY ARMORY	12th & Church Sts. Lynchburg VA 24504	ESE	0.23 / 1,201.36	20
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7007273 | No | 0 | 2* ***Tank No**: 2, PERM OUT OF USE, 1, CLS IN GRD*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
VAUGHAN MOTOR CO INC	12TH & CHURCH ST. Lynchburg VA 24505	ESE	0.23 / 1,201.36	20
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7008510 | No | 0 | 1* ***Tank No**: 1, CLS IN GRD*			
AMOCO OIL CO	Church & 12th Street Lynchburg VA 24504	ESE	0.23 / 1,201.72	21
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7014857 | No | 0 | 25* ***Tank No**: 1, CLS IN GRD, 10, CLS IN GRD, 12, CLS IN GRD, 17, CLS IN GRD, 7, CLS IN GRD, 8, CLS IN GRD, 9, CLS IN GRD, 19, CLS IN GRD, 22, CLS IN GRD, 23, CLS IN GRD, 5, CLS IN GRD, 13, CLS IN GRD, 15, CLS IN GRD, 6, CLS IN GRD, 16, CLS IN GRD, 20, CLS IN GRD, 21, CLS IN GRD, 3, CLS IN GRD, 4, CLS IN GRD, 11, CLS IN GRD, 18, CLS IN GRD, 14, CLS IN GRD, 2, CLS IN GRD, 24, CLS IN GRD, 25, CLS IN GRD*			
PRO AUTO SERVICE CENTER	403 5th Street Lynchburg VA 24504	NW	0.23 / 1,220.51	22
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7010424 | No | 0 | 1* ***Tank No**: R1, REM FROM GRD*			
FCL WAREHOUSE	616 Commerce Street Lynchburg VA 24504	NNE	0.24 / 1,255.30	24
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7023479 | No | 0 | 1* ***Tank No**: R1, REM FROM GRD*			
BUILDING O	727 Jefferson St Lynchburg VA 24504	NE	0.24 / 1,256.94	25
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7037522 | No | 0 | 1* ***Tank No**: R1, REM FROM GRD*			
NEIGBORHOOD MARKET / W&T MINI MART	505 Grace Street Lynchburg VA 24504	SSE	0.24 / 1,265.58	26
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7019986 | No | 0 | 3* ***Tank No**: 3, PERM OUT OF USE, R1, REM FROM GRD, R2, REM FROM GRD*			
BUILDING I	56 7th St Lynchburg VA 24504	NE	0.24 / 1,274.83	27
	***Facility ID | Facility Active | Active UST | Inactive UST**: 7037523 | No | 0 | 1* ***Tank No**: R1, REM FROM GRD*			

AST - Aboveground Storage Tanks

A search of the AST database, dated Jan 22, 2024 has found that there are 1 AST site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Verizon-Lynchburg CO	706 CHURCH STREET Lynchburg VA 24504	N	0.11 / 586.67	10
	***Facility ID | Facility Active | Active AST | Inactive AST**: 7005445 | Yes | 2 | 0* ***Tank Type**: AST, CURR IN USE, AST, CURR IN USE*			

INST - Institutional Controls

A search of the INST database, dated Jan 16, 2024 has found that there are 1 INST site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Lynchburg Manufactured Gas Plant	Lynchburg VA 24504	N	0.36 / 1,880.62	41

VRP - Voluntary Remediation Program

A search of the VRP database, dated Jan 16, 2024 has found that there are 1 VRP site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Lynchburg Manufactured Gas Plant	Lynchburg VA 24504	N	0.36 / 1,880.62	41

BROWNFIELDS - Brownfields Site Specific Assessments

A search of the BROWNFIELDS database, dated Feb 1, 2024 has found that there are 4 BROWNFIELDS site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
West Building	805 Court Street LYNCHBURG VA	SE	0.00 / 0.00	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
400 Block 5th Street	400,406,408,5th. 507,509 Court Street LYNCHBURG VA	NW	0.20 / 1,058.04	15
403 5th Street	403 5th St LYNCHBURG VA	NW	0.23 / 1,220.51	22
Former White Star Steam Laundry	1209, 1213, 1217 Church Street LYNCHBURG VA	SE	0.27 / 1,411.89	31

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Sep 8, 2023 has found that there are 3 FINDS/FRS site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WEST BUILDING	805 COURT STREET LYNCHBURG VA 24504 ***Registry ID**: 110071293075*	SE	0.00 / 0.00	1

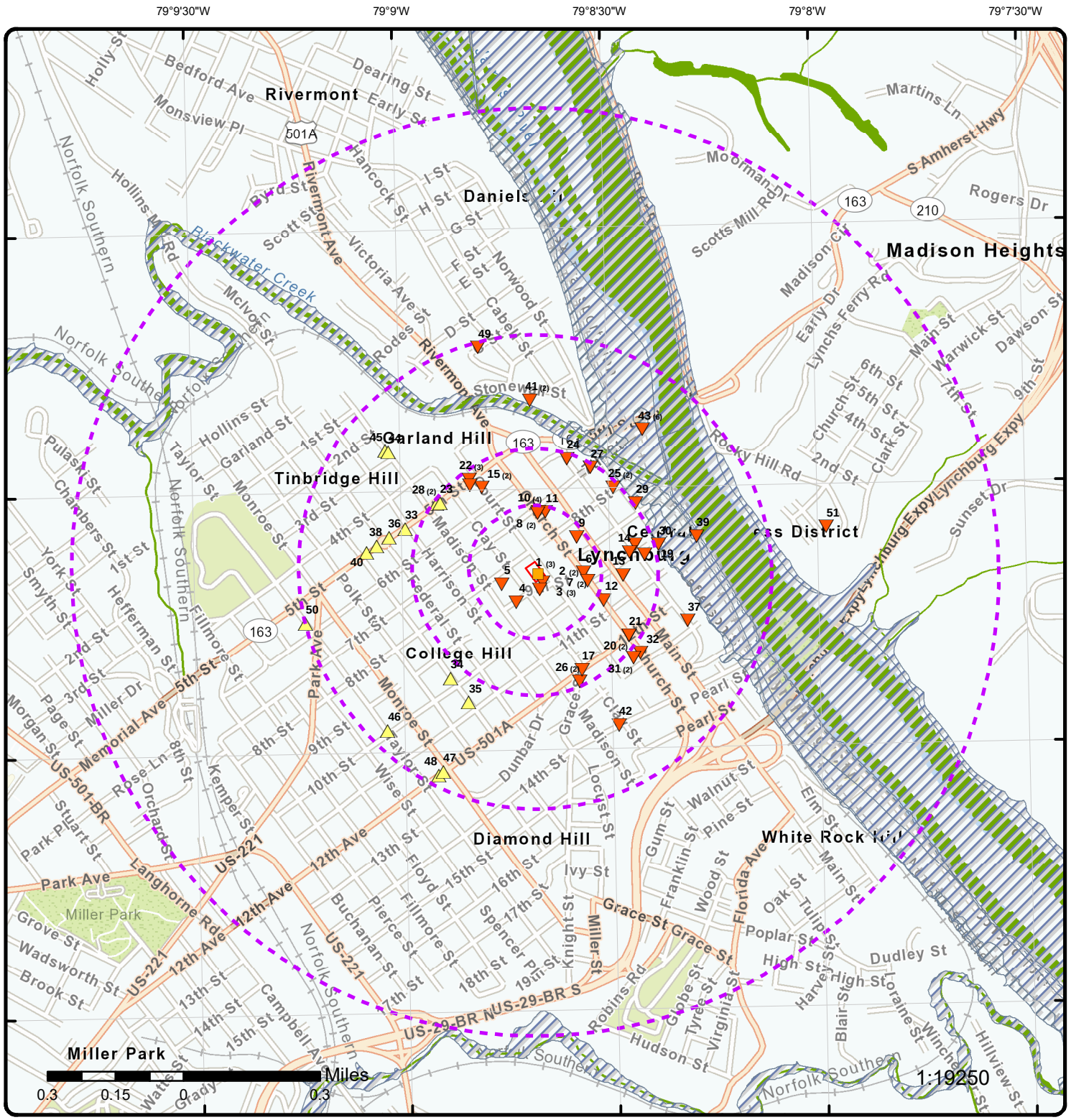
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF LYNCHBURG MUSEUM	901 COURT STREET LYNCHBURG VA 24504	SE	0.01 / 50.65	2

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Registry ID**: 110054870957*			
CHESAPEAKE & POTOMAC TELEPHONE CO	905 COURT ST LYNCHBURG VA 24505	SSE	0.02 / 101.72	3
	***Registry ID**: 110005228672*			

MRDS - Mineral Resource Data System

A search of the MRDS database, dated Mar 15, 2016 has found that there are 2 MRDS site(s) within approximately 1.00miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
B & W NUCLEAR FUELS/ LYNCHBURG, VA.	LYNCHBURG COUNTY LYNCHBURG VA 24504	ENE	0.11 / 564.15	9
	***Dep ID**: 10276891*			
LYNCHBURG QUARRY	AMHERST COUNTY MADISON HEIGHTS VA 24572	E	0.63 / 3,325.92	51
	***Dep ID**: 10204140*			



Map: 1.0 Mile Radius

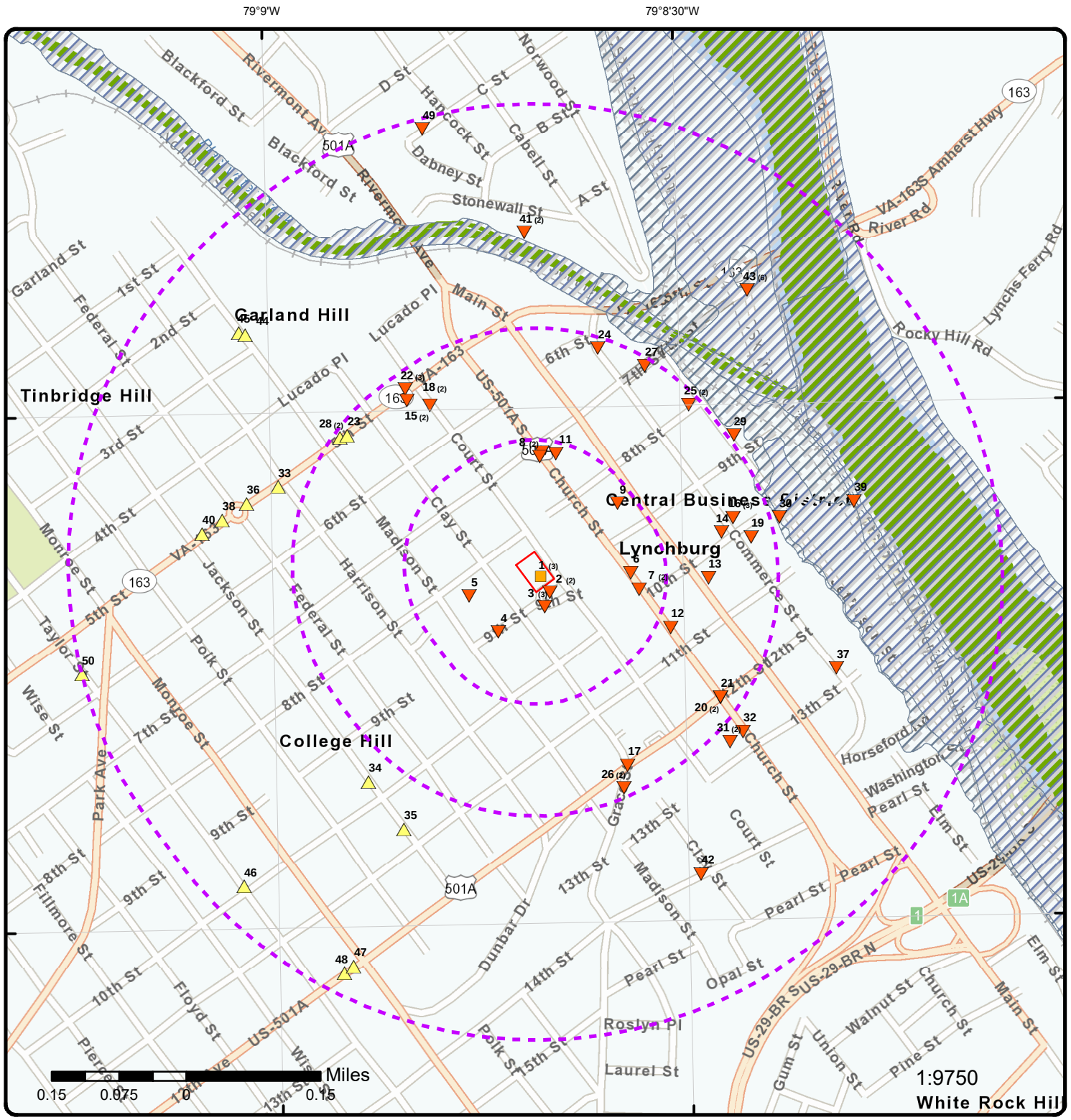
Order Number: 24031200056

Address: 805 Court Street, Lynchburg, VA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.5 Mile Radius

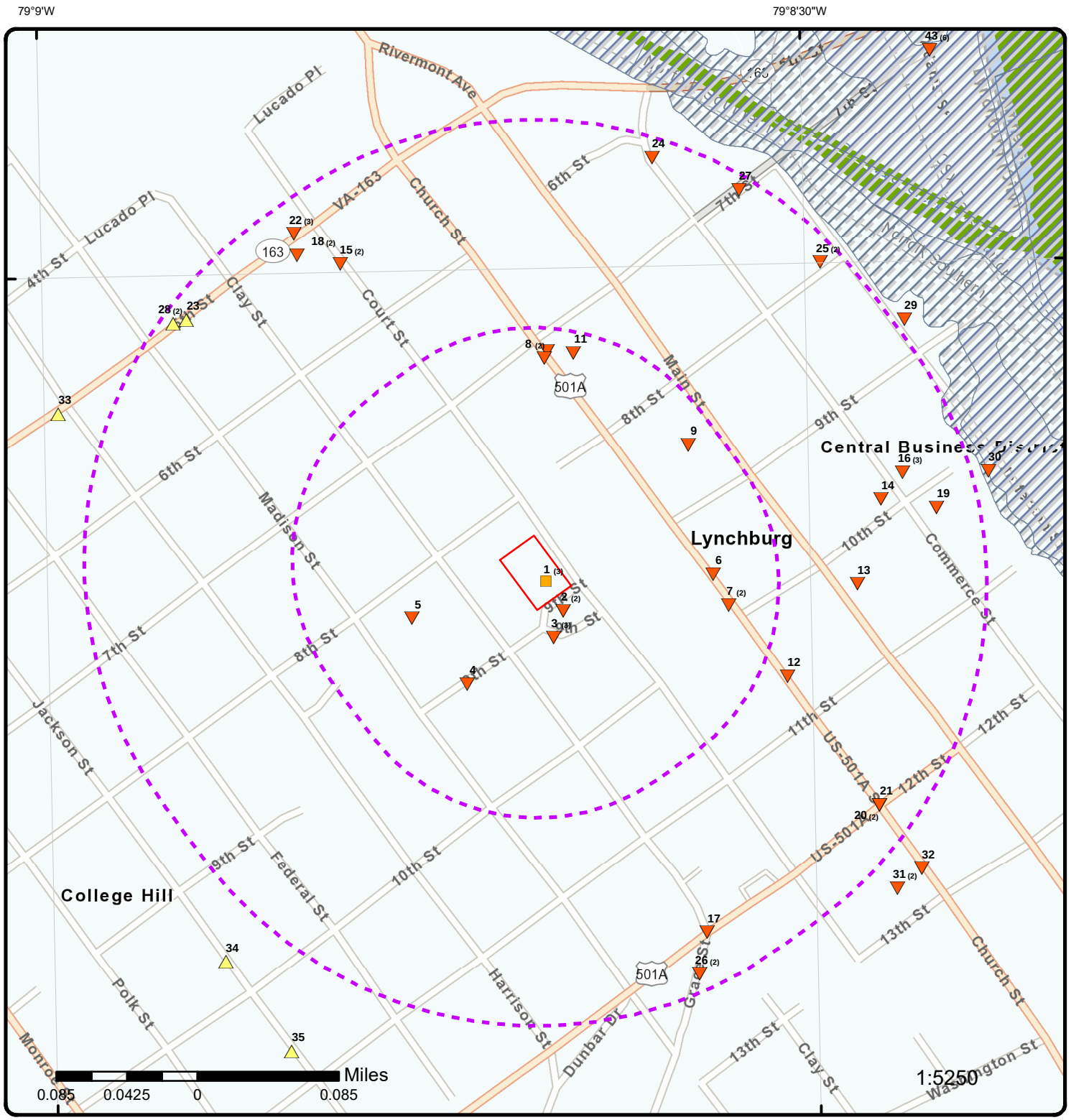
Order Number: 24031200056

Address: 805 Court Street, Lynchburg, VA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.25 Mile Radius

Order Number: 24031200056

Address: 805 Court Street, Lynchburg, VA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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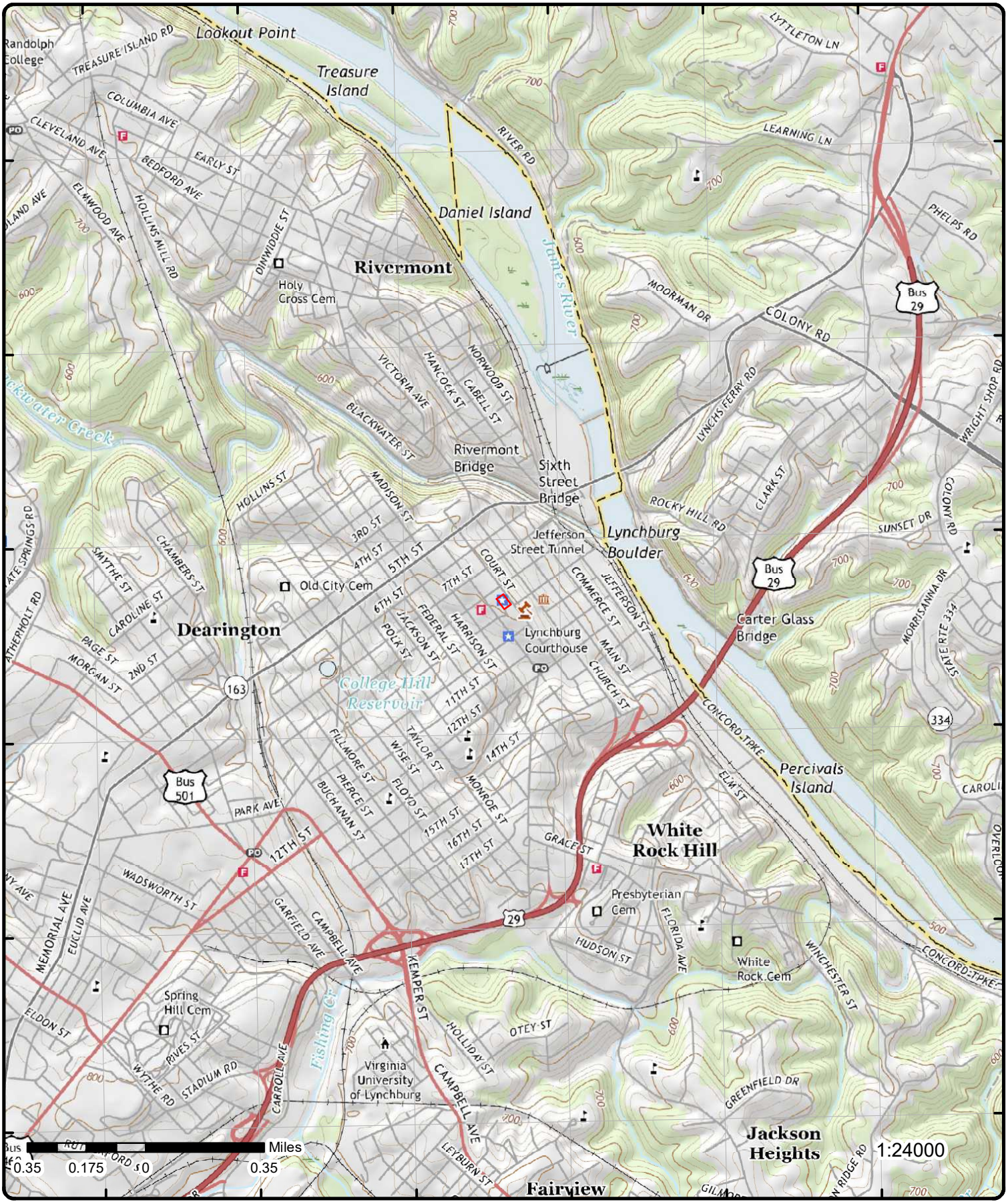
Aerial **Year: 2018**

Order Number: 24031200056

Address: 805 Court Street, Lynchburg, VA

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2019

Order Number: 24031200056

Address: 805 Court Street, VA

Quadrangle(s): Kelly VA, Lynchburg VA

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 3	SE	0.00 / 0.00	708.02 / 0	West Building 805 Court Street LYNCHBURG VA 24504	FED BROWNFIELDS

Property ID: 252514
Lat Measure: 37.41391898943759
Long Measure: -79.14467804094063
Property Name: West Building
Address: 805 Court Street
City: LYNCHBURG
State Code: VA
Zip Code: 24504
Primary Name (Map): WEST BUILDING
Location Address (Map): 805 COURT STREET
City Name (Map): LYNCHBURG
County Name (Map): LYNCHBURG CITY
State Code (Map): VA
Postal Code (Map): 24504
Data Source: Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)

Property Details (Cleanups in My Community)

ID No:
NFA Letter Date:
Media Affected:
Media Cleaned Up:
Contaminants REC:
Contams Actionable:
Contams < Actionble:
Contamnts Cleanup:
Tanks Removal:
Cleanup Needed: U
Cleanup Treatment:
Excavation Disposl:
Contams Extractn:
Reduc Contams:
Additional Clnup:
Institutional Cleanup: N
Institutional Cleanup:
Engineering Needed: N
Eng Control:
Additnl Inst Control:
Additnl Eng Control:
Inst Control Date:
Eng Control Date:
Property Alias: Former First Presbyterian Church
Property Owner: Government
Address Source URL:
Address Source URL:
Address Source URL:
Other:

Size Acres: .6
Parcel No: 02445003
Property Enrolled: Y
Radius: .5
Census Tract: 51680000500
2010 # Below Poverty: 991.
2010 Below Poverty: 35.33
2010 Median Income: 3065.
2010 No Low Income: 1389.
2010 Low Income: 49.52
2010 No Vacant Hous: 216.
2010 Vacant Housing: 17.31
2010 # Unemployed: 233.
2010 Unemployed: 8.31
Tech Capping:
Secur Guard Fence:
Immobilization:
Eng Barriers:
Proprietary Cntrl:
Info Device:
Govt Cntrl:
Enf Permit Tool:
Clnup Struct Remov:

Activity Details(Cleanups in My Community)

Coop Agmt No: 96359401
Program Name: BF
Redev Actvy Funded: Phase I Environmental Assessment
Redev Start Dt:

Activity Funded:		**Redev Compl date:**	
Type CA Fund:	Hazardous	**Redev Fund Entity:**	
Funding Entity:		**Redev Residential:**	
Assessmnt Start Dt:		**Redev Greenspace:**	
Assessmnt Compl Dt:		**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.6		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	Phase I Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:		**Redev Compl date:**	
Type CA Fund:	Hazardous	**Redev Fund Entity:**	
Funding Entity:		**Redev Residential:**	
Assessmnt Start Dt:		**Redev Greenspace:**	
Assessmnt Compl Dt:		**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.6		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	Phase I Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase I Environmental Assessment	**Redev Compl date:**	
Type CA Fund:	Hazardous	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	01/25/2022	**Redev Greenspace:**	
Assessmnt Compl Dt:	02/22/2022	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	

Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.6		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Brownfields Details

Registry I:	110071293075	**SF El He C:**	
EPA ID:		**SF IC Ind:**	
EPA Region:	03	**SF NPL Cod:**	
Cat No:		**SF NPL C 1:**	
RCRA Handl:		**FF SF Ind:**	
RCRA Curre:		**Map Symbol:**	B
RCRA Remed:		**Data Refre:**	04-Feb-2024
RCRA Const:		**New Site:**	
RCRA El He:		**BF RLF Gra:**	
RCRA El Gm:		**BF RLF Pil:**	
RCRA Rem 1:		**BF Assess :**	
RCRA Ec Gw:		**BF Cleanup:**	
RCRA Ec Ng:		**BF Tba Ind:**	
RCRA IC Ep:		**BF 128a In:**	
RCRA IC Gc:		**BF IC Code:**	N
RCRA IC ID:		**BF IC Gc I:**	U
RCRA IC Pr:		**BF IC Ep I:**	U
FF RCRA In:		**BF IC ID I:**	U
RCRA Ec Co:		**BF IC Pr I:**	U
RCRA IC Co:		**BF Assess1:**	Y
RCRA Gpra :		**BF Multipu:**	
RCRA Rem 2:		**BF Awp Ind:**	
RCRA Dru 1:		**BF Showcas:**	
SF Site ID:		**BF 128a P :**	
SF Ec Ind:		**Congressio:**	
SF El Gm C:		**Stimulus B:**	
Ind Name:			
Cat Name:			
Sub Name:			
Primary Name:	WEST BUILDING		
RCRA Drupa:			
Repow Ref :			
Url:	https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&Action=Navigate&col1=ACRES_GRANT_EXPORT.PROPERTY_ID&val1=%22252514.0%22&PortalPath=/shared/CIMC/_portal/CIMC&Page=Profile+Page		
Census Url:	https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&coords=-79.1446780409406%2C37.4139189894376&feattype=point&radius=1.0		
ACS Url:	https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&coords=-79.1446780409406%2C37.4139189894376&feattype=point&radius=1.0		
SAA Site:			
Sf Brac Ty:			
Sf Archive:			
Sf Ffdocke:			
Sf Npl C 3:			
Sf Npl C 2:			
Sf Npl C 1:			
SF Site Na:			
SF Non N 1:			
SF Non N 2:			
SF Non N 3:			
SF Non Npl:			
BF Prope 1:	West Building		
RCRA Han 1:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RCRA Rau I:						
REPOW BF:						
REPOW Re 1:						
REPOW Ref1:						
1	2 of 3	SE	0.00 / 0.00	708.02 / 0	WEST BUILDING 805 COURT STREET LYNCHBURG VA 24504	FINDS/FRS

Registry ID: 110071293075
FIPS Code: 51680
HUC Code:
Site Type Name: BROWNFIELDS SITE
Location Description:
Supplemental Location:
Create Date: 07-JUL-22
Update Date:
Interest Types: BROWNFIELDS PROPERTY
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 03
County Name: LYNCHBURG CITY
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071293075
Data Source: Facility Registry Service - Single File
Program Acronyms:

ACRES:252514

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	3 of 3	SE	0.00 / 0.00	708.02 / 0	West Building 805 Court Street LYNCHBURG VA	BROWNFIELDS

Property ID: 252514
Property Alias: Former First Presbyterian Church

Cooperative Agreements or Corrective Actions Details

CA No: [Not Displayed]
CA Status: Closed
CA Name: Economic Development Authority of the City of Lynchburg Virginia
CA Type: Assessment
Announcement Year: 2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of2	SE	0.01 / 50.65	706.46 / -1	CITY OF LYNCHBURG MUSEUM 901 COURT STREET LYNCHBURG VA 24504	RCRA NON GEN

EPA Handler ID:	VAP701201201
Gen Status Universe:	No Report
Contact Name:	SCOTT GLASS
Contact Address:	800 , ORCHARD STREET , , LYNCHBURG , VA, 24501 , US
Contact Phone No and Ext:	434-455-4409
Contact Email:	SCOTT.GLASS@LYNCHBURGVA.GOV
Contact Country:	US
County Name:	LYNCHBURG CITY
EPA Region:	03
Land Type:	Municipal
Receive Date:	20121108
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20120117
Handler Name:	CITY OF LYNCHBURG MUSEUM
Source Type:	Temporary
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator

Waste Code Details

Hazardous Waste Code:	D008
Waste Code Description:	LEAD

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20121108
Handler Name:	CITY OF LYNCHBURG MUSEUM
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	800
Type:	Municipal	**Street 1:**	ORCHARD STREET
Name:	CITY OF LYNCHBURG	**Street 2:**	
Date Became Current:	20111201	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:	434-455-4409	**Country:**	US
Source Type:	Implementer	**Zip Code:**	24501

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Municipal	**Street 1:**	
Name:	SCOTT GLASS	**Street 2:**	
Date Became Current:	20111201	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Municipal	**Street 1:**	
Name:	SCOTT GLASS	**Street 2:**	
Date Became Current:	20111201	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Temporary	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	800
Type:	Municipal	**Street 1:**	ORCHARD STREET
Name:	CITY OF LYNCHBURG	**Street 2:**	
Date Became Current:	20111201	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:	434-455-4409	**Country:**	US
Source Type:	Temporary	**Zip Code:**	24501

Historical Handler Details

Receive Dt:	20120117
Generator Code Description:	Large Quantity Generator
Handler Name:	CITY OF LYNCHBURG MUSEUM

2	2 of2	SE	0.01 / 50.65	706.46 / -1	CITY OF LYNCHBURG MUSEUM 901 COURT STREET LYNCHBURG VA 24504	FINDS/FRS

Registry ID:	110054870957
FIPS Code:	51680
HUC Code:	02080203
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	30-JAN-13
Update Date:	28-MAR-14
Interest Types:	UNSPECIFIED UNIVERSE
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	06
Census Block Code:	516800005001037
EPA Region Code:	03
County Name:	LYNCHBURG CITY
US/Mexico Border Ind:	
Latitude:	37.41384

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude: -79.14415
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110054870957
Data Source: Facility Registry Service - Single File
Program Acronyms:

RCRAINFO:VAP701201201

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of3	SSE	0.02 / 101.72	704.70 / -3	CHESAPEAKE & POTOMAC TELEPHONE CO 905 COURT ST LYNCHBURG VA 24505	RCRA NON GEN

EPA Handler ID: VAD980691398
Gen Status Universe: No Report
Contact Name: ELIZABETH COFFEY
Contact Address: 905 COURT ST , , LYNCHBURG , VA, 24505 , US
Contact Phone No and Ext: 202-392-8981
Contact Email:
Contact Country: US
County Name: LYNCHBURG CITY
EPA Region: 03
Land Type:
Receive Date: 19830111
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19830111
Handler Name: CHESAPEAKE & POTOMAC TELEPHONE CO
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	OPERSTREET
Name:	OPERNAME	***Street 2:***	
Date Became Current:		***City:***	OPERCITY
Date Ended Current:		***State:***	AK
Phone:	215-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	OWNERSTREET
Name:	CHESAPEAKE & POTOMAC TELEPHONE CO	***Street 2:***	
Date Became Current:		***City:***	OWNERCITY
Date Ended Current:		***State:***	AK
Phone:	215-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	2 of3	SSE	0.02 / 101.72	704.70 / -3	PUBLIC SAFETY 905 Court Street Lynchburg VA 24504	UST

Facility ID:	7007282	***Facility Active:***	No
CEDS Facility ID:	200000088490	***Federally Regulatd:***	No
Facility Type:	LOCAL	***Parent Reg Alt Des:***	Blue Ridge
Active UST:	0	***County:***	Lynchburg City
Inactive UST:	1	***Region:***	BRROR
Active AST:	0	***Latitude (HUB):***	37.4136290013978
Inactive AST:	0	***Longitude (HUB):***	-79.1439779971789

Name:	PUBLIC SAFETY
Address 1:	905 Court Street
Address 2:	
City:	Lynchburg
ZIP:	24504
State:	VA
Name (HUB):	Lynchburg
Facility Name (HUB):	PUBLIC SAFETY
Facility Addr 1 (HUB):	905 Court Street
Facility Addr 2 (HUB):	
Facility City (HUB):	Lynchburg
Facility ZIP 5 (HUB):	24504
Facility State (HUB):	VA
Facility Location (HUB):	
Facility Name (Red Tagged):	
Facility Address (Red Tagged):	
Source:	Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID:	36581
Tank No:	R1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	No	**Install Date:**	1/1/1970
Tank Status:	REM FROM GRD	**Date Closed:**	6/24/1994
Capacity:	20000		
Contents:	HEATING OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	NO VALVE SUCTION	**Double Walled:**	No
Asphalt/Bare Steel:	Yes	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	36581	**No of Active AST:**	0
Owner Type:	LOCAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	No	**No of Inactive UST:**	1
Facility Active:	No		
Name:	PUBLIC SAFETY		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Name: City of Lynchburg
Owner Address 1: 900 Church St
Owner Address 2:
Owner City: Lynchburg
Owner State: VA
Owner ZIP 5: 24504
Owner ZIP 4: 60

Data Hub - Registered Tanks Detail

CEDS Fac: 200000088490
Fac Insp Year:
Fac Risk Rank:
Reference Point:
X: -79.1439779971789
Y: 37.4136290013978

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3 | ***3 of3*** | ***SSE*** | ***0.02 / 101.72*** | ***704.70 / -3*** | ***CHESAPEAKE & POTOMAC TELEPHONE CO 905 COURT ST LYNCHBURG VA 24505*** | ***FINDS/FRS***

Registry ID: 110005228672
FIPS Code: 51680
HUC Code: 02080203
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-00
Update Date: 29-DEC-14
Interest Types: UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 06
Census Block Code: 516800005001037
EPA Region Code: 03
County Name: LYNCHBURG CITY
US/Mexico Border Ind:
Latitude: 37.41338
Longitude: -79.14372
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110005228672
Data Source: Facility Registry Service - Single File
Program Acronyms:

RCRAINFO:VAD980691398

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4 | ***1 of1*** | ***SW*** | ***0.06 / 323.67*** | ***674.68 / -33*** | ***LYNCHBURG CITY JAIL 510 Ninth Street Lynchburg VA 24505*** | ***UST***

Facility ID: 7007235
CEDS Facility ID: 200000095595
Facility Type: LOCAL
Active UST: 1
Inactive UST: 1
Facility Active: Yes
Federally Regulatd: Yes
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City
Region: BRROR

Active AST:	0	**Latitude (HUB):**	37.4129337367907
Inactive AST:	0	**Longitude (HUB):**	-79.1459176593033
Name:	LYNCHBURG CITY JAIL		
Address 1:	510 Ninth Street		
Address 2:			
City:	Lynchburg		
ZIP:	24505		
State:	VA		
Name (HUB):	Lynchburg		
Facility Name (HUB):	LYNCHBURG CITY JAIL		
Facility Addr 1 (HUB):	510 Ninth Street		
Facility Addr 2 (HUB):			
Facility City (HUB):	Lynchburg		
Facility ZIP 5 (HUB):	24505		
Facility State (HUB):	VA		
Facility Location (HUB):			
Facility Name (Red Tagged):			
Facility Address (Red Tagged):			
Source:	Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities		

Tank Information

Tank Owner ID:	36581
Tank No:	R1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	12/8/1985
Tank Status:	REM FROM GRD	**Date Closed:**	12/1/1992
Capacity:	550		
Contents:	DIESEL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	No	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	Yes
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	Yes	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No

Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Tank Information

Tank Owner ID:	39586
Tank No:	1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	10/30/1999
Tank Status:	CURR IN USE	***Date Closed:***	
Capacity:	4000		
Contents:	DIESEL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	No	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	Yes	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	PRESSURE	***Double Walled:***	Yes
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	No	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	Yes	***Tank Rd Sir:***	No

Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	Yes		
Overfill Device Install:			
Overfill Type:	AUTOMATIC SHUTOFF		
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	Yes		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:	No		
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	36581	**No of Active AST:**	0
Owner Type:	LOCAL	**No of Active UST:**	1
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	1
Facility Active:	Yes		
Name:	LYNCHBURG CITY JAIL		
Owner Name:	City of Lynchburg		
Owner Address 1:	900 Church St		
Owner Address 2:			
Owner City:	Lynchburg		
Owner State:	VA		
Owner ZIP 5:	24504		
Owner ZIP 4:	60		

Tank Owner ID:	39586	**No of Active AST:**	0
Owner Type:	LOCAL	**No of Active UST:**	1
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	1
Facility Active:	Yes		
Name:	LYNCHBURG CITY JAIL		
Owner Name:	BLUE RIDGE REGIONAL JAIL AUTHORITY		
Owner Address 1:	725 CHURCH STREET, 8TH FLOOR		
Owner Address 2:	PO Box 6078		
Owner City:	LYNCHBURG		
Owner State:	VA		
Owner ZIP 5:	24504		
Owner ZIP 4:			

Data Hub - Registered Tanks Detail

CEDS Fac:	200000095595	**Reference Point:**	PG
Fac Insp Year:	2025	**X:**	-79.1459176593033
Fac Risk Rank:	Medium	**Y:**	37.4129337367907

5 | ***1 of1*** | ***WSW*** | ***0.06 / 334.35*** | ***686.62 / -21*** | ***FIRE STATION #1
801 Clay Street
Lynchburg VA 24504*** | ***UST***

Facility ID:	7024863	**Facility Active:**	No
CEDS Facility ID:	200000094059	**Federally Regulatd:**	Yes
Facility Type:	LOCAL	**Parent Reg Alt Des:**	Blue Ridge
Active UST:	0	**County:**	Lynchburg City
Inactive UST:	1	**Region:**	BRROR
Active AST:	0	**Latitude (HUB):**	37.41416300732

Inactive AST:	0	**Longitude (HUB):**	-79.1458340018958
Name:	FIRE STATION #1		
Address 1:	801 Clay Street		
Address 2:			
City:	Lynchburg		
ZIP:	24504		
State:	VA		
Name (HUB):	Lynchburg		
Facility Name (HUB):	FIRE STATION #1		
Facility Addr 1 (HUB):	801 Clay Street		
Facility Addr 2 (HUB):			
Facility City (HUB):	Lynchburg		
Facility ZIP 5 (HUB):	24504		
Facility State (HUB):	VA		
Facility Location (HUB):			
Facility Name (Red Tagged):			
Facility Address (Red Tagged):			
Source:	Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities		

Tank Information

Tank Owner ID:	36581
Tank No:	CFS-11
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	3/1/1978
Tank Status:	PERM OUT OF USE	**Date Closed:**	
Capacity:	160		
Contents:	DIESEL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	NO VALVE SUCTION	**Double Walled:**	No
Asphalt/Bare Steel:	Yes	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Other:	No
Other Specify:	
Spill Device Installed:	No
Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Owner

Tank Owner ID:	36581	**No of Active AST:**	0
Owner Type:	LOCAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	1
Facility Active:	No		
Name:	FIRE STATION #1		
Owner Name:	City of Lynchburg		
Owner Address 1:	900 Church St		
Owner Address 2:			
Owner City:	Lynchburg		
Owner State:	VA		
Owner ZIP 5:	24504		
Owner ZIP 4:	60		

Data Hub - Registered Tanks Detail

CEDS Fac:	200000094059	**Reference Point:**	
Fac Insp Year:		**X:**	-79.1458340018958
Fac Risk Rank:		**Y:**	37.41416300732

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6 | ***1 of1*** | ***E*** | ***0.09 / 452.83*** | ***638.67 / -69*** | ***CITY HALL***
900 Church Street
Lynchburg VA 24505 | ***UST***

Facility ID:	7007277	**Facility Active:**	No
CEDS Facility ID:	200000089665	**Federally Regulatd:**	No
Facility Type:	LOCAL	**Parent Reg Alt Des:**	Blue Ridge
Active UST:	0	**County:**	Lynchburg City
Inactive UST:	1	**Region:**	BRROR
Active AST:	0	**Latitude (HUB):**	37.4142920029968
Inactive AST:	0	**Longitude (HUB):**	-79.1431490003936
Name:	CITY HALL		
Address 1:	900 Church Street		
Address 2:			
City:	Lynchburg		
ZIP:	24505		
State:	VA		
Name (HUB):	Lynchburg		
Facility Name (HUB):	CITY HALL		
Facility Addr 1 (HUB):	900 Church Street		
Facility Addr 2 (HUB):			
Facility City (HUB):	Lynchburg		
Facility ZIP 5 (HUB):	24505		
Facility State (HUB):	VA		
Facility Location (HUB):			

Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 36581
Tank No: G1
Tank Type: UST

Tank Details

Fed Regulated Tank: No
Tank Status: CLS IN GRD
Capacity: 12000
Contents: HEATING OIL
Other Contents:
Install Date: 1/1/1977
Date Closed: 6/18/1994

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: NO VALVE SUCTION
Asphalt/Bare Steel: Yes
Galvanized Steel: No
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: Yes
Other Specify: COPPER
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Owner

Tank Owner ID: 36581
Owner Type: LOCAL
Region: BRROR
Federal Regulated: No
Facility Active: No
Name: CITY HALL
Owner Name: City of Lynchburg
Owner Address 1: 900 Church St
Owner Address 2:
Owner City: Lynchburg
Owner State: VA
Owner ZIP 5: 24504
Owner ZIP 4: 60

No of Active AST: 0
No of Active UST: 0
No of Inactive AST: 0
No of Inactive UST: 1

Data Hub - Registered Tanks Detail

CEDS Fac: 200000089665
Fac Insp Year:
Fac Risk Rank:

Reference Point:
X: -79.1431490003936
Y: 37.4142920029968

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of2	E	0.10 / 505.03	638.37 / -69	CITY OF LYNCHBURG BUILDING 925 Church Street LYNCHBURG VA 24505	UST

Facility ID: 7027145
CEDS Facility ID: 200000088465
Facility Type: LOCAL
Active UST: 0
Inactive UST: 1
Active AST: 0
Inactive AST: 0
Name: CITY OF LYNCHBURG BUILDING
Address 1: 925 Church Street
Address 2:
City: LYNCHBURG
ZIP: 24505
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): CITY OF LYNCHBURG BUILDING
Facility Addr 1 (HUB): 925 Church Street
Facility Addr 2 (HUB):
Facility City (HUB): LYNCHBURG
Facility ZIP 5 (HUB): 24505
Facility State (HUB): VA
Facility Location (HUB): City Of Lynchburg Building
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Facility Active: No
Federally Regulatd: No
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City
Region: BRROR
Latitude (HUB): 37.4139036403808
Longitude (HUB): -79.1427966937156

Tank Information

Tank Owner ID: 36581
Tank No: R1
Tank Type: UST

Tank Details

Fed Regulated Tank:	No	**Install Date:**	1/1/1969
Tank Status:	REM FROM GRD	**Date Closed:**	6/3/1994
Capacity:	550		
Contents:	HEATING OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	No	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	36581	**No of Active AST:**	0
Owner Type:	LOCAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	No	**No of Inactive UST:**	1
Facility Active:	No		
Name:	CITY OF LYNCHBURG BUILDING		
Owner Name:	City of Lynchburg		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Address 1: 900 Church St
Owner Address 2:
Owner City: Lynchburg
Owner State: VA
Owner ZIP 5: 24504
Owner ZIP 4: 60

Data Hub - Registered Tanks Detail

CEDS Fac: 200000088465
Fac Insp Year:
Fac Risk Rank:
Reference Point:
X: -79.1427966937156
Y: 37.4139036403808

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7 | **2 of2** | **E** | **0.10 / 505.03** | **638.37 / -69** | **CITY OF LYNCHBURG BUILDING**
925 Church Street
LYNCHBURG VA 24505 | **LST**

PC No : 19944185
PC No (HUB): 19944185
CEDS Fac ID: 200000088465
Program: RP Lead
Region: BRRO-R
Case Status: Closed
Case Closed Date: 11/22/1994
Release Reported: 6/3/1994
Heat Oil Category:
Unknown Tank Type: No
Site Name: CITY OF LYNCHBURG BUILDING
Address : 925 Church Street
City : LYNCHBURG
Zip: 24505
County : Lynchburg City
RST Name (HUB): CITY OF LYNCHBURG BUILDING
Fac L Addr 1 (HUB): 925 Church Street
Fac L City (HUB): LYNCHBURG
Fac L ZIP 5 (HUB): 24505
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Fed Regulated UST: No
Reg Petrol UST 1: No
Excluded UST 1: No
Deferred UST 1: No
Partial Defr UST 1: No
Exmpt 1 UST 2: No
Exmpt2 Ht Oil UST2: No
Small Ht Oil AST 2: No
Regulated AST3: No
Unregulated AST3: No

Data Hub - Petroleum Releases Geodatabase Details

RST ID: 14388
RST Fac ID: 200000088465
RST Poll Cmplt No: 19944185
RST Status Ind: Closed
RST Rls Reported: 1994/06/03 00:00:00+00
RST Case Closed: 1994/11/22 00:00:00+00
RST Suspect Cnfrmd: Confirmed
RST Rec Code: WCRO
RST Priority:
RST Fed Reg Tank: N
RST Name: CITY OF LYNCHBURG BUILDING
Fac Location: City Of Lynchburg Building

RST Response:
RST Responsibi Ind: RP Lead
DES First Name: Thomas
DES Last Name: Viets
Reference Point:
Latitude: 37.414039190012
Longitude: -79.1429981139686
X: -79.1429981139686
Y: 37.414039190012

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8 | **1 of2** | **N** | **0.11 / 564.15** | **647.95 / -60** | **ALLIED SERVICE STATION**
711 Church Street
Lynchburg VA 24505 | **UST**

Facility ID: 7000919
CEDS Facility ID: 200000081595
Facility Type: GAS STATION
Active UST: 0

Facility Active: No
Federally Regulatd: Yes
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City

Inactive UST:	2	**Region:**	BRROR
Active AST:	0	**Latitude (HUB):**	37.4158769949901
Inactive AST:	0	**Longitude (HUB):**	-79.1446330019717

Name: ALLIED SERVICE STATION
Address 1: 711 Church Street
Address 2:
City: Lynchburg
ZIP: 24505
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): ALLIED SERVICE STATION
Facility Addr 1 (HUB): 711 Church Street
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24505
Facility State (HUB): VA
Facility Location (HUB): 711 Church St
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 26957
Tank No: 2
Tank Type: UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	3/5/1956
Tank Status:	CLS IN GRD	**Date Closed:**	3/1/1982
Capacity:	1000		

Contents: GASOLINE
Other Contents:

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		

Other: No
Other Specify:

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	Yes	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No

ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Tank Information

Tank Owner ID:	26957
Tank No:	1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	3/5/1956
Tank Status:	CLS IN GRD	***Date Closed:***	3/1/1982
Capacity:	1000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	26957	**No of Active AST:**	0
Owner Type:	COMMERCIAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	2
Facility Active:	No		
Name:	ALLIED SERVICE STATION		
Owner Name:	Commonwealth Oil Company Inc		
Owner Address 1:	2328 Lakeside Dr		
Owner Address 2:			
Owner City:	Lynchburg		
Owner State:	VA		
Owner ZIP 5:	24501		
Owner ZIP 4:			

Data Hub - Registered Tanks Detail

CEDS Fac:	200000081595	**Reference Point:**	
Fac Insp Year:		**X:**	-79.1446330019717
Fac Risk Rank:		**Y:**	37.4158769949901

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	2 of2	N	0.11 / 564.15	647.95 / -60	Former Allied Service Station 711 Church Street Lynchburg VA 24505	LST

PC No :	20192070	**Fed Regulated UST:**	Yes
PC No (HUB):	20192070	**Reg Petrol UST 1:**	Yes
CEDS Fac ID:	200000081595	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	10/23/2018	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	10/22/2018	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Former Allied Service Station		
Address :	711 Church Street		
City :	Lynchburg		
Zip:	24505		
County :	Lynchburg City		
RST Name (HUB):	Former Allied Service Station		
Fac L Addr 1 (HUB):	711 Church Street		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24505		

FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID: 46899
RST Fac ID: 200000081595
RST Poll Cmplt No: 20192070
RST Status Ind: Closed
RST Rls Reported: 2018/10/22 00:00:00+00
RST Case Closed: 2018/10/23 00:00:00+00
RST Suspect Cnfrmd: Confirmed
RST Rec Code: WCRO
RST Priority: 3
RST Fed Reg Tank: Yes
RST Name: Former Allied Service Station
Fac Location: 711 Church St

RST Response:
RST Responsibi Ind: RP Lead
DES First Name: Joey
DES Last Name: Daniel
Reference Point: PG
Latitude: 37.4155910002608
Longitude: -79.144445999679
X: -79.144445999679
Y: 37.4155910002608

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9 | **1 of1** | **ENE** | **0.11 / 564.15** | **620.29 / -87** | **B & W NUCLEAR FUELS/ LYNCHBURG, VA. LYNCHBURG COUNTY LYNCHBURG VA 24504** | **MRDS**

Dep ID: 10276891
Dev Status: UNKNOWN
Code List: TH
Url: http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10276891

I1: 23
Latitude: 37.4151
Longitude: -79.143005

Commodity

I1: 40
Code: TH
Commodity: Thorium
Commodity Type: Metallic
Commodity Group: Thorium
Importance: Primary

Line: 1
Inserted By: MAS migration
Insert Date: 29-OCT-02
Updated By: USGS
Update Date: 29-OCT-02

Names

I1: 38
Status: Current
Site Name: B & W Nuclear Fuels/ Lynchburg, Va.
Line: 1

Inserted By: MAS migration
Insert Date: 29-OCT-02
Updated By: USGS
Update Date: 29-OCT-02

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10 | **1 of4** | **N** | **0.11 / 586.67** | **643.30 / -64** | **CHESAPEAKE & POTOMAC TELEPHONE CO 706 CHURCH ST LYNCHBURG VA 24504** | **RCRA NON GEN**

EPA Handler ID: VAD980720270
Gen Status Universe: No Report
Contact Name: ELIZABETH B COFFEY
Contact Address: 706 CHURCH ST , , LYNCHBURG , VA, 24504 , US
Contact Phone No and Ext: 202-392-5406
Contact Email:
Contact Country: US
County Name: LYNCHBURG CITY
EPA Region: 03
Land Type:
Receive Date: 19810401
Location Latitude:

Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19810401
Handler Name:	CHESAPEAKE & POTOMAC TELEPHONE CO
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Waste Code Details

Hazardous Waste Code:	NONE
Waste Code Description:	DESCRIPTION

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	OPERSTREET
Name:	OPERNAME	***Street 2:***	
Date Became Current:		***City:***	OPERCITY
Date Ended Current:		***State:***	AK
Phone:	215-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	OWNERSTREET
Name:	CHESAPEAKE & POTOMAC TELEPHONE CO	***Street 2:***	
Date Became Current:		***City:***	OWNERCITY
Date Ended Current:		***State:***	AK
Phone:	215-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

10	*2 of4*	*N*	*0.11 / 586.67*	*643.30 / -64*	***Verizon-Lynchburg CO 706 CHURCH STREET Lynchburg VA 24504***	***AST***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	7005445	**Facility Active:**	Yes
CEDS Facility ID:	200000094044	**Federally Regulatd:**	Yes
Facility Type:	UTILITY	**Parent Reg Alt Des:**	Blue Ridge
Active UST:	0	**County:**	Lynchburg City
Inactive UST:	3	**Region:**	BRROR
Active AST:	2	**Latitude (HUB):**	37.4161354810814
Inactive AST:	0	**Longitude (HUB):**	-79.1441895414451

Name: Verizon-Lynchburg CO
Address 1: 706 CHURCH STREET
Address 2:
City: Lynchburg
ZIP: 24504
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): Verizon-Lynchburg CO
Facility Addr 1 (HUB): 706 Church St
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24504
Facility State (HUB): VA
Facility Location (HUB): 706 Church Street
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 31843
Tank No: 4
Tank Type: AST

Tanks Details

Fed Regulated Tank:	No	**Install Date:**	12/21/2006
Tank Status:	CURR IN USE	**Date Closed:**	
Capacity:	4000		

Contents: KEROSENE
Other Contents:

Tank Materials

Bare Steel:	Yes	**Lined Interior:**	No
Insulated Steel:	No	**Double Bottom:**	No
Concrete Coated:	No	**Portable Skid:**	No
Unknown:	No	**Fabric/Built:**	Yes
Cathodic/CP:	No	**Vaultd Below Grade:**	No
Single Wall:	No	**Vertical:**	No
Double Wall:	Yes	**Horizontal:**	Yes
Other:	No	**Tank Type Unknown:**	No
Tank Type Other:	No		

Other Specify:
Tank Type Other Specify:

Tank Foundation Roof

Concrete Coating:	No	**Roof NA Horiz Tank:**	Yes
Concrete:	Yes	**Roof Floating:**	No
Steel/Sad/Run/Beam:	No	**Roof Fix Cone Weld:**	No
Earthen:	No	**Foundtn Type Unkwn:**	No
Ring Wall:	No		

Foundation Other: No
Foundation Other Specify:
Roof Other: No
Roof Other Specify:

Tank Containment Detection Prevention

Curbing:	No	***Diversion Pool:***	No
Weirs/Boom:	No	***Retention Pond:***	No
Sorbent Material:	No	***Dike Berm/Wall:***	No
Culverts/Gutters:	No		

Cont Type Unknown:	No
Cont Type None:	No
Cont Type Other:	Yes
Cont Type Other Specify:	Double-walled
Tank RD GW Monitoring:	No
Tank RD Visual Monitoring:	Yes
Tank RD Vapor Monitoring:	No
Tank RD Inter Monitor:	No
Tank RD None:	No
Tank RD Other:	Yes
Tank RD Other Specify:	ATG System
RPB Double Bottom:	No
RPB Double Wall:	Yes
RPB Polyethylene Jacket:	No
RPB Dike/Berm Excavation:	No
RPB None:	No
RPB Unknown:	No
RPB Other:	No
RPB Other Specify:	

Tank Information

Tank Owner ID:	31843
Tank No:	5
Tank Type:	AST

Tanks Details

Fed Regulated Tank:	No	***Install Date:***	12/21/2006
Tank Status:	CURR IN USE	***Date Closed:***	
Capacity:	4000		
Contents:	KEROSENE		
Other Contents:			

Tank Materials

Bare Steel:	Yes	***Lined Interior:***	No
Insulated Steel:	No	***Double Bottom:***	No
Concrete Coated:	No	***Portable Skid:***	No
Unknown:	No	***Fabric/Built:***	Yes
Cathodic/CP:	No	***Vaultd Below Grade:***	No
Single Wall:	No	***Vertical:***	No
Double Wall:	Yes	***Horizontal:***	Yes
Other:	No	***Tank Type Unknown:***	No
Tank Type Other:	No		
Other Specify:			
Tank Type Other Specify:			

Tank Foundation Roof

Concrete Coating:	No	***Roof NA Horiz Tank:***	Yes
Concrete:	Yes	***Roof Floating:***	No
Steel/Sad/Run/Beam:	No	***Roof Fix Cone Weld:***	No
Earthen:	No	***Foundtn Type Unkwn:***	No
Ring Wall:	No		

Foundation Other:	No
Foundation Other Specify:	
Roof Other:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Roof Other Specify:

Tank Containment Detection Prevention

Curbing:	No	***Diversion Pool:***	No
Weirs/Boom:	No	***Retention Pond:***	No
Sorbent Material:	No	***Dike Berm/Wall:***	No
Culverts/Gutters:	No		

Cont Type Unknown:	No
Cont Type None:	No
Cont Type Other:	Yes
Cont Type Other Specify:	Double-walled
Tank RD GW Monitoring:	No
Tank RD Visual Monitoring:	Yes
Tank RD Vapor Monitoring:	No
Tank RD Inter Monitor:	No
Tank RD None:	No
Tank RD Other:	Yes
Tank RD Other Specify:	ATG System
RPB Double Bottom:	No
RPB Double Wall:	Yes
RPB Polyethylene Jacket:	No
RPB Dike/Berm Excavation:	No
RPB None:	No
RPB Unknown:	No
RPB Other:	No
RPB Other Specify:	

Owner

Tank Owner ID:	31843	***No of Active AST:***	2
Owner Type:	COMMERCIAL	***No of Active UST:***	0
Region:	BRROR	***No of Inactive AST:***	0
Federal Regulated:	Yes	***No of Inactive UST:***	3
Facility Active:	Yes		

Name:	Verizon-Lynchburg CO
Owner Name:	Verizon Virginia LLC
Owner Address 1:	400 International Parkway
Owner Address 2:	
Owner City:	Richardson
Owner State:	TX
Owner ZIP 5:	75081
Owner ZIP 4:	

Data Hub - Registered Tanks Detail

CEDS Fac:	200000094044	***Reference Point:***	
Fac Insp Year:		***X:***	-79.1441895414451
Fac Risk Rank:		***Y:***	37.4161354810814

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	3 of4	N	0.11 / 586.67	643.30 / -64	Verizon-Lynchburg CO 706 CHURCH STREET Lynchburg VA 24504	UST

Facility ID:	7005445	***Facility Active:***	Yes
CEDS Facility ID:	200000094044	***Federally Regulatd:***	Yes
Facility Type:	UTILITY	***Parent Reg Alt Des:***	Blue Ridge
Active UST:	0	***County:***	Lynchburg City
Inactive UST:	3	***Region:***	BRROR
Active AST:	2	***Latitude (HUB):***	37.4161354810814
Inactive AST:	0	***Longitude (HUB):***	-79.1441895414451

Name:	Verizon-Lynchburg CO
Address 1:	706 CHURCH STREET
Address 2:	
City:	Lynchburg

ZIP:	24504
State:	VA
Name (HUB):	Lynchburg
Facility Name (HUB):	Verizon-Lynchburg CO
Facility Addr 1 (HUB):	706 Church St
Facility Addr 2 (HUB):	
Facility City (HUB):	Lynchburg
Facility ZIP 5 (HUB):	24504
Facility State (HUB):	VA
Facility Location (HUB):	706 Church Street
Facility Name (Red Tagged):	
Facility Address (Red Tagged):	
Source:	Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID:	31843
Tank No:	2
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	6/1/1969
Tank Status:	CLS IN GRD	**Date Closed:**	12/28/2006
Capacity:	5000		
Contents:	KEROSENE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	Yes	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	VALVE SUCTION	**Double Walled:**	Yes
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	Yes	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	Yes	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	Yes
Other:	No		
Other Specify:			
Spill Device Installed:	Yes		
Overfill Device Install:	Yes		
Overfill Type:			

Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: Yes
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 31843
Tank No: 1
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 5000
Contents: KEROSENE
Other Contents:
Install Date: 6/1/1969
Date Closed: 12/28/2006

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: Yes
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: VALVE SUCTION
Asphalt/Bare Steel: No
Galvanized Steel: No
Fiberglass: Yes
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: Yes
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: Yes
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: Yes
Overfill Device Install: Yes
Overfill Type:
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: Yes

Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: Yes
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 31843
Tank No: 3
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 5000
Contents: KEROSENE
Other Contents:
Install Date: 6/1/1969
Date Closed: 12/28/2006

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: Yes
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: VALVE SUCTION
Asphalt/Bare Steel: No
Galvanized Steel: No
Fiberglass: Yes
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: Yes
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: Yes
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: Yes
Overfill Device Install: Yes
Overfill Type:
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: Yes

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: Yes
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Owner

Tank Owner ID: 31843
Owner Type: COMMERCIAL
Region: BRROR
Federal Regulated: Yes
Facility Active: Yes
Name: Verizon-Lynchburg CO
Owner Name: Verizon Virginia LLC
Owner Address 1: 400 International Parkway
Owner Address 2:
Owner City: Richardson
Owner State: TX
Owner ZIP 5: 75081
Owner ZIP 4:

No of Active AST: 2
No of Active UST: 0
No of Inactive AST: 0
No of Inactive UST: 3

Data Hub - Registered Tanks Detail

CEDS Fac: 200000094044
Fac Insp Year:
Fac Risk Rank:

Reference Point:
X: -79.1441895414451
Y: 37.4161354810814

10	4 of4	N	0.11 / 586.67	643.30 / -64	Verizon Lynchburg Central Office 706 CHURCH STREET Lynchburg VA 24504	LST

PC No : 20077042
PC No (HUB): 20077042
CEDS Fac ID: 200000094044
Program: RP Lead
Region: BRRO-R
Case Status: Closed
Case Closed Date: 2/8/2007
Release Reported: 12/21/2006
Heat Oil Category:
Unknown Tank Type: No
Site Name: Verizon Lynchburg Central Office
Address : 706 CHURCH STREET
City : Lynchburg
Zip: 24504
County : Lynchburg City
RST Name (HUB): Verizon Lynchburg Central Office
Fac L Addr 1 (HUB): 706 CHURCH STREET
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Fed Regulated UST: Yes
Reg Petrol UST 1: No
Excluded UST 1: No
Deferred UST 1: No
Partial Defr UST 1: Yes
Exmpt 1 UST 2: No
Exmpt2 Ht Oil UST2: No
Small Ht Oil AST 2: No
Regulated AST3: No
Unregulated AST3: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	28209	***RST Response:***	
RST Fac ID:	200000094044	***RST Responsibi Ind:***	RP Lead
RST Poll Cmplt No:	20077042	***DES First Name:***	Joey
RST Status Ind:	Closed	***DES Last Name:***	Daniel
RST RIs Reported:	2006/12/21 00:00:00+00	***Reference Point:***	
RST Case Closed:	2007/02/08 00:00:00+00	***Latitude:***	37.4159181130372
RST Suspect Cnfrmd:	Confirmed	***Longitude:***	-79.1439653956121
RST Rec Code:	WCRO	***X:***	-79.1439653956121
RST Priority:	3	***Y:***	37.4159181130372
RST Fed Reg Tank:	Yes		
RST Name:	Verizon Lynchburg Central Office		
Fac Location:	706 Church Street		

11	*1 of1*	*NNE*	*0.11 / 592.09*	*637.47 / -70*	***AT & T-LYNCHBURG-VA0050*** ***700 CHURCH ST-POINT RD*** ***LYNCHBURG VA 24505***	***RCRA VSQG***

EPA Handler ID:	VAD980707244
Gen Status Universe:	VSG
Contact Name:	ROBERT RUPP
Contact Address:	3033 CHAIN BRIDGE RD RM C308 , , OAKTON , VA, 22185 , US
Contact Phone No and Ext:	703-691-6757
Contact Email:	
Contact Country:	US
County Name:	LYNCHBURG CITY
EPA Region:	03
Land Type:	
Receive Date:	19820903
Location Latitude:	37.415904
Location Longitude:	-79.144496

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19820903
Handler Name:	AT & T-LYNCHBURG-VA0050
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: OPERNAME
Date Became Current:
Date Ended Current:
Phone: 215-555-1212
Source Type: Notification
Street No:
Street 1: OPERSTREET
Street 2:
City: OPERCITY
State: AK
Country:
Zip Code: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: AT & T COMMUNICATIONS OF VA
Date Became Current:
Date Ended Current:
Phone: 703-691-6757
Source Type: Notification
Street No:
Street 1: 3033 CHAIN BRIDGE RD RM C308
Street 2:
City: OAKTON
State: VA
Country:
Zip Code: 22185

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12 | ***1 of1*** | ***ESE*** | ***0.14 / 744.79*** | ***630.25 / -77*** | ***LEGGETT STORE 1016 Church St Lynchburg VA 24505*** | ***UST***

Facility ID: 7026017
CEDS Facility ID: 200000081677
Facility Type: GAS STATION
Active UST: 0
Inactive UST: 2
Active AST: 0
Inactive AST: 0
Facility Active: No
Federally Regulatd: Yes
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City
Region: BRROR
Latitude (HUB): 37.4133719986003
Longitude (HUB): -79.1423239993148
Name: LEGGETT STORE
Address 1: 1016 Church St
Address 2:
City: Lynchburg
ZIP: 24505
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): LEGGETT STORE
Facility Addr 1 (HUB): 1016 Church St
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24505
Facility State (HUB): VA
Facility Location (HUB):
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 28351
Tank No: R1
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: REM FROM GRD
Install Date:
Date Closed: 5/1/1991

Capacity:	2000		
Contents:		UNKNOWN	
Other Contents:		UNKNOWN	

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:		No	
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	Yes	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:		No	
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:		No	
Other Specify:			
Spill Device Installed:		No	
Overfill Device Install:		No	
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:		No	
Pipe RD ATG:			
Pipe RD GW Monitor:		No	
Pipe RD Vap Monitor:		No	
Pipe RD IM Dbl Wall:		No	
Pipe RD IM Sec Contain:		No	
Pipe RD ALLD:		No	
Pipe RD Tightness Test:		No	
Pipe RD Sir:		No	
Pipe RD Leak Deferred:			
Pipe RD Other:		No	
Pipe RD Other Specify:			

Tank Information

Tank Owner ID:	28351
Tank No:	R2
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	
Tank Status:	REM FROM GRD	**Date Closed:**	5/1/1991

Capacity:	8000		
Contents:		HEATING OIL	
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:		No	
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	Yes	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:		No	
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:		No	
Other Specify:			
Spill Device Installed:		No	
Overfill Device Install:		No	
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:		No	
Pipe RD ATG:			
Pipe RD GW Monitor:		No	
Pipe RD Vap Monitor:		No	
Pipe RD IM Dbl Wall:		No	
Pipe RD IM Sec Contain:		No	
Pipe RD ALLD:		No	
Pipe RD Tightness Test:		No	
Pipe RD Sir:		No	
Pipe RD Leak Deferred:			
Pipe RD Other:		No	
Pipe RD Other Specify:			

Owner

Tank Owner ID:	28351	**No of Active AST:**	0
Owner Type:	PRIVATE	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	2
Facility Active:	No		
Name:		LEGGETT STORE	
Owner Name:		LEGGETT STORES OPERATIONS	
Owner Address 1:		P.O. BOX 1689	
Owner Address 2:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner City: DANVILLE
Owner State: VA
Owner ZIP 5: 24543
Owner ZIP 4: 1689

Data Hub - Registered Tanks Detail

CEDS Fac: 200000081677
Fac Insp Year:
Fac Risk Rank:
Reference Point:
X: -79.1423239993148
Y: 37.4133719986003

13	1 of1	E	0.17 / 908.85	604.09 / -104	CHESAPEAKE & POTOMAC TELEPHONE CO 1010 MAIN ST LYNCHBURG VA 24505	RCRA NON GEN

EPA Handler ID: VAD980690614
Gen Status Universe: No Report
Contact Name: ELIZABETH_B COFFEY
Contact Address: 1010 MAIN ST , , LYNCHBURG , VA, 24505 , US
Contact Phone No and Ext: 202-392-8981
Contact Email:
Contact Country: US
County Name: LYNCHBURG CITY
EPA Region: 03
Land Type:
Receive Date: 19830118
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19830118
Handler Name: CHESAPEAKE & POTOMAC TELEPHONE CO
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	OPERSTREET
Name:	OPERNAME	***Street 2:***	
Date Became Current:		***City:***	OPERCITY
Date Ended Current:		***State:***	AK
Phone:	215-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	OWNERSTREET
Name:	CHESAPEAKE & POTOMAC TELEPHONE CO	***Street 2:***	
Date Became Current:		***City:***	OWNERCITY
Date Ended Current:		***State:***	AK
Phone:	215-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of1	E	0.19 / 1,021.09	575.76 / -132	FLEET BUILDING 921 Commerce St Lynchburg VA 24504	UST

Facility ID:	7007279	***Facility Active:***	No
CEDS Facility ID:	200000090374	***Federally Regulatd:***	No
Facility Type:	LOCAL	***Parent Reg Alt Des:***	Blue Ridge
Active UST:	0	***County:***	Lynchburg City
Inactive UST:	2	***Region:***	BRROR
Active AST:	0	***Latitude (HUB):***	37.4130869939337
Inactive AST:	0	***Longitude (HUB):***	-79.1394040075175

Name: FLEET BUILDING
Address 1: 921 Commerce St
Address 2:
City: Lynchburg
ZIP: 24504
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): FLEET BUILDING
Facility Addr 1 (HUB): 921 Commerce St
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24504
Facility State (HUB): VA
Facility Location (HUB): 921 Commerce St
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 36581
Tank No: 1
Tank Type: UST

Tank Details

Fed Regulated Tank:	No	**Install Date:**	7/16/1956
Tank Status:	CLS IN GRD	**Date Closed:**	7/16/1986
Capacity:	7000		
Contents:	HEATING OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	Yes	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	Yes		
Other Specify:	COPPER		

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Tank Information

Tank Owner ID:	36581
Tank No:	2
Tank Type:	UST

Tank Details

Fed Regulated Tank:	No	**Install Date:**	
Tank Status:	CLS IN GRD	**Date Closed:**	7/16/1986
Capacity:	7000		
Contents:	HEATING OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	Yes	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	Yes		
Other Specify:	COPPER		

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	36581	**No of Active AST:**	0
Owner Type:	LOCAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	No	**No of Inactive UST:**	2
Facility Active:	No		
Name:	FLEET BUILDING		
Owner Name:	City of Lynchburg		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Address 1: 900 Church St
Owner Address 2:
Owner City: Lynchburg
Owner State: VA
Owner ZIP 5: 24504
Owner ZIP 4: 60

Data Hub - Registered Tanks Detail

CEDS Fac: 200000090374
Fac Insp Year:
Fac Risk Rank:
Reference Point:
X: -79.1394040075175
Y: 37.4130869939337

15	1 of2	NW	0.20 / 1,058.04	686.04 / -22	400 Block 5th Street 400,406,408,5th. 507,509 Court Street LYNCHBURG VA	BROWNFIELDS

Property ID: 258040
Property Alias: River Front Property

Cooperative Agreements or Corrective Actions Details

CA No: [Not Displayed]
CA Status: Open
CA Name: Lynchburg Economic Development Authority (Virginia)
CA Type: Assessment
Announcement Year: 2022

15	2 of2	NW	0.20 / 1,058.04	686.04 / -22	400 Block 5th Street 400,406,408,5th. 507,509 Court Street LYNCHBURG VA 24504	FED BROWNFIELDS

Property ID: 258040
Lat Measure: 37.416603000563
Long Measure: -79.147036959951
Property Name: 400 Block 5th Street
Address: 400,406,408,5th. 507,509 Court Street
City: LYNCHBURG
State Code: VA
Zip Code: 24504
Primary Name (Map): 400 BLOCK 5TH STREET
Location Address (Map): 400,406,408,5TH. 507,509 COURT STREET
City Name (Map): LYNCHBURG
County Name (Map): LYNCHBURG CITY
State Code (Map): VA
Postal Code (Map): 24504
Data Source: Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)
County: LYNCHBURG CITY
Latitude (Map): 37.4166030006
Longitude (Map): -79.14703696

Property Details (Cleanups in My Community)

ID No:
NFA Letter Date:
Media Affected:
Media Cleaned Up:
Contaminants REC:
Contams Actionable:
Contams < Actionble:
Contamnts Cleanup:
Tanks Removal:
Cleanup Needed: N
Size Acres: 5.
Parcel No: 02420007, 02420008, 0240006, 0240005, 0240004
Property Enrolled:
Radius: .5
Census Tract: 51680000500
2010 # Below Poverty: 1114.
2010 Below Poverty: 38.57
2010 Median Income: 5014.
2010 No Low Income: 1568.
2010 Low Income: 54.29

Cleanup Treatment:		***2010 No Vacant Hous:***	323.
Excavation Disposl:		***2010 Vacant Housing:***	22.73
Contams Extractn:		***2010 # Unemployed:***	236.
Reduc Contams:		***2010 Unemployed:***	8.17
Additional Clnup:		***Tech Capping:***	
Institutional Cleanup:		***Secur Guard Fence:***	
Institutional Cleanup:		***Immobilization:***	
Engineering Needed:		***Eng Barriers:***	
Eng Control:		***Proprietary Cntrl:***	
Additnl Inst Control:		***Info Device:***	
Additnl Eng Control:		***Govt Cntrl:***	
Inst Control Date:		***Enf Permit Tool:***	
Eng Control Date:		***Clnup Struct Remov:***	
Property Alias:	River Front Property		
Property Owner:			
Address Source URL:			
Address Source URL:			
Address Source URL:			
Other:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	95301301	***Redev Actvy Funded:***	Phase I Environmental Assessment
Program Name:	4B	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:		***Redev Fund Entity:***	
Funding Entity:		***Redev Residential:***	
Assessmnt Start Dt:		***Redev Greenspace:***	
Assessmnt Compl Dt:		***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:		***Subgrant Cost Shr:***	
Past Use Commercial:			
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	95301301	***Redev Actvy Funded:***	Phase I Environmental Assessment
Program Name:	4B	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:		***Redev Fund Entity:***	
Funding Entity:		***Redev Residential:***	
Assessmnt Start Dt:		***Redev Greenspace:***	
Assessmnt Compl Dt:		***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	

Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:			
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	95301301	**Redev Actvy Funded:**	Phase I Environmental Assessment
Program Name:	4B	**Redev Start Dt:**	
Activity Funded:	Phase I Environmental Assessment	**Redev Compl date:**	
Type CA Fund:		**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	04/14/2023	**Redev Greenspace:**	
Assessmnt Compl Dt:	05/10/2023	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:			
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Brownfields Details

Registry I:	110071538403	**SF El He C:**	
EPA ID:		**SF IC Ind:**	
EPA Region:	03	**SF NPL Cod:**	
Cat No:		**SF NPL C 1:**	
RCRA Handl:		**FF SF Ind:**	
RCRA Curre:		**Map Symbol:**	B
RCRA Remed:		**Data Refre:**	04-Feb-2024
RCRA Const:		**New Site:**	
RCRA El He:		**BF RLF Gra:**	
RCRA El Gm:		**BF RLF Pil:**	
RCRA Rem 1:		**BF Assess :**	
RCRA Ec Gw:		**BF Cleanup:**	
RCRA Ec Ng:		**BF Tba Ind:**	
RCRA IC Ep:		**BF 128a In:**	
RCRA IC Gc:		**BF IC Code:**	U
RCRA IC ID:		**BF IC Gc I:**	U
RCRA IC Pr:		**BF IC Ep I:**	U
FF RCRA In:		**BF IC ID I:**	U
RCRA Ec Co:		**BF IC Pr I:**	U
RCRA IC Co:		**BF Assess1:**	Y
RCRA Gpra :		**BF Multipu:**	
RCRA Rem 2:		**BF Awp Ind:**	
RCRA Dru 1:		**BF Showcas:**	
SF Site ID:		**BF 128a P :**	
SF Ec Ind:		**Congressio:**	
SF El Gm C:		**Stimulus B:**	
Ind Name:			
Cat Name:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sub Name:
Primary Name: 400 BLOCK 5TH STREET
RCRA Drupa:
Repow Ref :
Url: https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&Action=Navigate&col1=ACRES_GRANT_EXPORT.PROPERTY_ID&val1=%22258040.0%22&PortalPath=/shared/CIMC/_portal/CIMC&Page=Profile+Page
Census Url: https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&coords=-79.147036959951%2C37.416603000563&feattype=point&radius=1.0
ACS Url: https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&coords=-79.147036959951%2C37.416603000563&feattype=point&radius=1.0

SAA Site:
Sf Brac Ty:
Sf Archive:
Sf Ffdocke:
Sf Npl C 3:
Sf Npl C 2:
Sf Npl C 1:
SF Site Na:
SF Non N 1:
SF Non N 2:
SF Non N 3:
SF Non Npl:
BF Prope 1: 400 Block 5th Street
RCRA Han 1:
RCRA Rau I:
REPOW BF:
REPOW Re 1:
REPOW Ref1:

16	1 of3	ENE	0.21 / 1,111.54	565.67 / -142	LYNCHBURG TRADING CO 918 COMMERCE STREET Lynchburg VA 24505	UST

Facility ID: 7026815
CEDS Facility ID: 200000080963
Facility Type: GAS STATION
Active UST: 0
Inactive UST: 1
Active AST: 0
Inactive AST: 0
Facility Active: No
Federally Regulatd: No
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City
Region: BRROR
Latitude (HUB): 37.4154925918848
Longitude (HUB): -79.140995121515
Name: LYNCHBURG TRADING CO
Address 1: 918 COMMERCE STREET
Address 2:
City: Lynchburg
ZIP: 24505
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): LYNCHBURG TRADING CO
Facility Addr 1 (HUB): 918 COMMERCE STREET
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24505
Facility State (HUB): VA
Facility Location (HUB): 918 Commerce Street
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 34474
Tank No: 1
Tank Type: UST

Tank Details

Fed Regulated Tank:	No	***Install Date:***	
Tank Status:	PERM OUT OF USE	***Date Closed:***	
Capacity:	2600		
Contents:	HEATING OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	No	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	No	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	34474	***No of Active AST:***	0
Owner Type:	PRIVATE	***No of Active UST:***	0
Region:	BRROR	***No of Inactive AST:***	0
Federal Regulated:	No	***No of Inactive UST:***	1
Facility Active:	No		
Name:	LYNCHBURG TRADING CO		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Name: PEYTON S. KULMAN
Owner Address 1: 33 SOUTHEAST 7TH STREET ySUITE
Owner Address 2:
Owner City: BOCA RATON
Owner State: FL
Owner ZIP 5: 33432
Owner ZIP 4:

Data Hub - Registered Tanks Detail

CEDS Fac: 200000080963
Fac Insp Year:
Fac Risk Rank:
Reference Point:
X: -79.140995121515
Y: 37.4154925918848

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	2 of3	ENE	0.21 / 1,111.54	565.67 / -142	LYNCHBURG TRADING CO 918 COMMERCE STREET Lynchburg VA 24505	LST

PC No : 19940248
PC No (HUB): 19940248
CEDS Fac ID: 200000080963
Program: RP Lead
Region: BRRO-R
Case Status: Closed
Case Closed Date: 8/2/1994
Release Reported: 8/12/1993
Heat Oil Category: Category 3
Unknown Tank Type: No
Fed Regulated UST: No
Reg Petrol UST 1: No
Excluded UST 1: No
Deferred UST 1: No
Partial Defr UST 1: No
Exmpt 1 UST 2: No
Exmpt2 Ht Oil UST2: Yes
Small Ht Oil AST 2: No
Regulated AST3: No
Unregulated AST3: No
Site Name: LYNCHBURG TRADING CO
Address : 918 COMMERCE STREET
City : Lynchburg
Zip: 24505
County : Lynchburg City
RST Name (HUB): LYNCHBURG TRADING CO
Fac L Addr 1 (HUB): 918 COMMERCE STREET
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24505
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID: 14300
RST Fac ID: 200000080963
RST Poll Cmplt No: 19940248
RST Status Ind: Closed
RST RIs Reported: 1993/08/12 00:00:00+00
RST Case Closed: 1994/08/02 00:00:00+00
RST Suspect Cnfrmd: Confirmed
RST Rec Code: WCRO
RST Priority: 1
RST Fed Reg Tank: N
RST Name: LYNCHBURG TRADING CO
Fac Location: 918 Commerce Street
RST Response:
RST Responsibi Ind: RP Lead
DES First Name: Robert
DES Last Name: Howard
Reference Point:
Latitude: 37.4151293981747
Longitude: -79.140336397697
X: -79.140336397697
Y: 37.4151293981747

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	3 of3	ENE	0.21 / 1,111.54	565.67 / -142	LYNCHBURG TRADING CO 918 COMMERCE STREET Lynchburg VA 24505	LST

PC No :
PC No (HUB): 19971014
CEDS Fac ID:
Fed Regulated UST:
Reg Petrol UST 1:
Excluded UST 1:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Program:		**Deferred UST 1:**	
Region:		**Partial Defr UST 1:**	
Case Status:		**Exmpt 1 UST 2:**	
Case Closed Date:		**Exmpt2 Ht Oil UST2:**	
Release Reported:		**Small Ht Oil AST 2:**	
Heat Oil Category:		**Regulated AST3:**	
Unknown Tank Type:		**Unregulated AST3:**	
Site Name:			
Address :			
City :			
Zip:			
County :			
RST Name (HUB):	LYNCHBURG TRADING CO		
Fac L Addr 1 (HUB):	918 COMMERCE STREET		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24505		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:			
Oth Tank Type Desc:			
Source:	Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	14570	**RST Response:**	
RST Fac ID:	200000080963	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	19971014	**DES First Name:**	Robert
RST Status Ind:	Closed	**DES Last Name:**	Howard
RST RIs Reported:	1996/07/22 00:00:00+00	**Reference Point:**	
RST Case Closed:	1996/10/23 00:00:00+00	**Latitude:**	37.4151345952407
RST Suspect Cnfrmd:	Suspected	**Longitude:**	-79.140329511212
RST Rec Code:	WCRO	**X:**	-79.140329511212
RST Priority:	2	**Y:**	37.4151345952407
RST Fed Reg Tank:	N		
RST Name:	LYNCHBURG TRADING CO		
Fac Location:	918 Commerce Street		

17	*1 of1*	*SSE*	*0.22 / 1,156.34*	*634.69 / -73*	***Federal Courthouse Complex City of Lynchburg 12th and Clay Streets Lynchburg VA 24502***	***LST***

PC No :	20027013	**Fed Regulated UST:**	Yes
PC No (HUB):	20027013	**Reg Petrol UST 1:**	Yes
CEDS Fac ID:	200000205174	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	2/22/2002	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	11/26/2001	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Federal Courthouse Complex City of Lynchburg		
Address :	12th and Clay Streets		
City :	Lynchburg		
Zip:	24502		
County :	Lynchburg City		
RST Name (HUB):	Federal Courthouse Complex City of Lynchburg		
Fac L Addr 1 (HUB):	12th and Clay Streets		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24502		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	19653	***RST Response:***	
RST Fac ID:	200000205174	***RST Responsibi Ind:***	RP Lead
RST Poll Cmplt No:	20027013	***DES First Name:***	Joey
RST Status Ind:	Closed	***DES Last Name:***	Daniel
RST RIs Reported:	2001/11/26 00:00:00+00	***Reference Point:***	
RST Case Closed:	2002/02/22 00:00:00+00	***Latitude:***	37.4111094016633
RST Suspect Cnfrmd:	Confirmed	***Longitude:***	-79.1427674230104
RST Rec Code:	WCRO	***X:***	-79.1427674230104
RST Priority:		***Y:***	37.4111094016633
RST Fed Reg Tank:	Yes		
RST Name:	Federal Courthouse Complex City of Lynchburg		
Fac Location:	12th and Clay Streets		

18	*1 of2*	*NW*	*0.22 / 1,159.83*	*696.53 / -11*	***FISHER AUTO PARTS - 5TH-LYNCHBURG 406 FIFTH ST Lynchburg VA 24505***	***UST***

Facility ID:	7020115	***Facility Active:***	No
CEDS Facility ID:	200000081638	***Federally Regulatd:***	Yes
Facility Type:	COMMERCIAL	***Parent Reg Alt Des:***	Blue Ridge
Active UST:	0	***County:***	Lynchburg City
Inactive UST:	1	***Region:***	BRROR
Active AST:	0	***Latitude (HUB):***	37.4170380049927
Inactive AST:	0	***Longitude (HUB):***	-79.1471160002142
Name:	FISHER AUTO PARTS - 5TH-LYNCHBURG		
Address 1:	406 FIFTH ST		
Address 2:			
City:	Lynchburg		
ZIP:	24505		
State:	VA		
Name (HUB):	Lynchburg		
Facility Name (HUB):	FISHER AUTO PARTS - 5TH-LYNCHBURG		
Facility Addr 1 (HUB):	406 FIFTH ST		
Facility Addr 2 (HUB):			
Facility City (HUB):	Lynchburg		
Facility ZIP 5 (HUB):	24505		
Facility State (HUB):	VA		
Facility Location (HUB):	406 Fifth St		
Facility Name (Red Tagged):			
Facility Address (Red Tagged):			
Source:	Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities		

Tank Information

Tank Owner ID:	26905
Tank No:	R1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	5/5/1976
Tank Status:	REM FROM GRD	***Date Closed:***	6/8/1990
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	No	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No

Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	Yes
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	26905	***No of Active AST:***	0
Owner Type:	PRIVATE	***No of Active UST:***	0
Region:	BRROR	***No of Inactive AST:***	0
Federal Regulated:	Yes	***No of Inactive UST:***	1
Facility Active:	No		
Name:	FISHER AUTO PARTS - 5TH-LYNCHBURG		
Owner Name:	FISHER AUTO PARTS, INC		
Owner Address 1:	P.O. BOX 2246		
Owner Address 2:			
Owner City:	STAUNTON		
Owner State:	VA		
Owner ZIP 5:	24402		
Owner ZIP 4:	2246		

Data Hub - Registered Tanks Detail

CEDS Fac:	200000081638	***Reference Point:***	
Fac Insp Year:		***X:***	-79.1471160002142

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Fac Risk Rank:				Y:	37.4170380049927	
18	2 of2	NW	0.22 / 1,159.83	696.53 / -11	FISHER AUTO PARTS, INC. - LYNCHBURG 406 FIFTH ST LYNCHBURG VA 24505	RCRA NON GEN

EPA Handler ID: VAD988193835
Gen Status Universe: No Report
Contact Name: PATTIE L SMILEY
Contact Address: PO BOX 2246 , , STAUNTON , VA, 24402 , US
Contact Phone No and Ext: 703-885-8901
Contact Email: SAFETY@FISHERAUTOPARTS.COM
Contact Country: US
County Name: LYNCHBURG CITY
EPA Region: 03
Land Type: Private
Receive Date: 20190612
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19910322
Handler Name: FISHER AUTO PARTS INC
Source Type: Notification
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20190612

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Name: FISHER AUTO PARTS, INC. - LYNCHBURG
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	OPERSTREET
Name:	OPERNAME	**Street 2:**	
Date Became Current:		**City:**	OPERCITY
Date Ended Current:		**State:**	AK
Phone:	215-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

Owner/Operator Ind:	Current Owner	**Street No:**	406
Type:	Private	**Street 1:**	FIFTH ST
Name:	UNKNOWN	**Street 2:**	
Date Became Current:	20101104	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	24505

Owner/Operator Ind:	Current Operator	**Street No:**	406
Type:	Private	**Street 1:**	FIFTH ST
Name:	UNKNOWN	**Street 2:**	
Date Became Current:	20101104	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	24505

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 2246
Name:	FISHER AUTO PARTS INC	**Street 2:**	
Date Became Current:		**City:**	STAUNTON
Date Ended Current:		**State:**	VA
Phone:	703-885-8901	**Country:**	
Source Type:	Notification	**Zip Code:**	24401

Historical Handler Details

Receive Dt: 19910322
Generator Code Description: Very Small Quantity Generator
Handler Name: FISHER AUTO PARTS INC

19	***1 of1***	***E***	***0.22 / 1,186.72***	***565.94 / -142***	***ATTACK PRODUCTS DIV 1000 COMMERCE ST LYNCHBURG VA 24505***	***RCRA NON GEN***

EPA Handler ID: VAR000001123
Gen Status Universe: No Report
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: LYNCHBURG CITY
EPA Region: 03
Land Type: Private
Receive Date: 20091109
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Oct, 2023.

Evaluation Details

Evaluation Start Date: 20081029
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19950511
Handler Name: ATTACK PRODUCTS DIV
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20091109
Handler Name: ATTACK PRODUCTS DIV
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: NB HANDY
Date Became Current:
Date Ended Current:
Phone: 804-847-2420
Source Type: Implementer
Street No:
Street 1: PO BOX 11258
Street 2:
City: LYNCHBURG
State: VA
Country:
Zip Code: 24506

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 11258
Name:	NB HANDY	**Street 2:**	
Date Became Current:		**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:	804-847-2420	**Country:**	
Source Type:	Notification	**Zip Code:**	24506

Historical Handler Details

Receive Dt:	19950511
Generator Code Description:	Small Quantity Generator
Handler Name:	ATTACK PRODUCTS DIV

20	1 of2	ESE	0.23 / 1,201.36	626.58 / -81	CITY ARMORY 12th & Church Sts. Lynchburg VA 24504	UST

Facility ID:	7007273	**Facility Active:**	No
CEDS Facility ID:	200000088464	**Federally Regulatd:**	No
Facility Type:	LOCAL	**Parent Reg Alt Des:**	Blue Ridge
Active UST:	0	**County:**	Lynchburg City
Inactive UST:	2	**Region:**	BRROR
Active AST:	0	**Latitude (HUB):**	37.411900002596
Inactive AST:	0	**Longitude (HUB):**	-79.1409999957738

Name:	CITY ARMORY
Address 1:	12th & Church Sts.
Address 2:	
City:	Lynchburg
ZIP:	24504
State:	VA
Name (HUB):	Lynchburg
Facility Name (HUB):	CITY ARMORY
Facility Addr 1 (HUB):	12th & Church Sts.
Facility Addr 2 (HUB):	
Facility City (HUB):	Lynchburg
Facility ZIP 5 (HUB):	24504
Facility State (HUB):	VA
Facility Location (HUB):	
Facility Name (Red Tagged):	
Facility Address (Red Tagged):	
Source:	Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID:	36581
Tank No:	2
Tank Type:	UST

Tank Details

Fed Regulated Tank:	No	**Install Date:**	7/16/1977
Tank Status:	PERM OUT OF USE	**Date Closed:**	
Capacity:	6000		
Contents:	HEATING OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No

Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	Yes		
Other Specify:	COPPER		

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Tank Information

Tank Owner ID:	36581
Tank No:	1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	No	***Install Date:***	7/16/1977
Tank Status:	CLS IN GRD	***Date Closed:***	7/15/1986
Capacity:	6000		
Contents:	HEATING OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No

Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	Yes		
Other Specify:	COPPER		

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	36581	***No of Active AST:***	0
Owner Type:	LOCAL	***No of Active UST:***	0
Region:	BRROR	***No of Inactive AST:***	0
Federal Regulated:	No	***No of Inactive UST:***	2
Facility Active:	No		
Name:	CITY ARMORY		
Owner Name:	City of Lynchburg		
Owner Address 1:	900 Church St		
Owner Address 2:			
Owner City:	Lynchburg		
Owner State:	VA		
Owner ZIP 5:	24504		
Owner ZIP 4:	60		

Data Hub - Registered Tanks Detail

CEDS Fac:	200000088464	***Reference Point:***	
Fac Insp Year:		***X:***	-79.1409999957738
Fac Risk Rank:		***Y:***	37.411900002596

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	2 of2	ESE	0.23 / 1,201.36	626.58 / -81	VAUGHAN MOTOR CO INC 12TH & CHURCH ST. Lynchburg VA 24505	UST

Facility ID:	7008510	**Facility Active:**	No
CEDS Facility ID:	200000094108	**Federally Regulatd:**	Yes
Facility Type:	AUTO DEALER	**Parent Reg Alt Des:**	Blue Ridge
Active UST:	0	**County:**	Lynchburg City
Inactive UST:	1	**Region:**	BRROR
Active AST:	0	**Latitude (HUB):**	37.411900002596
Inactive AST:	0	**Longitude (HUB):**	-79.1409999957738

Name: VAUGHAN MOTOR CO INC
Address 1: 12TH & CHURCH ST.
Address 2:
City: Lynchburg
ZIP: 24505
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): VAUGHAN MOTOR CO INC
Facility Addr 1 (HUB): 12TH & CHURCH ST.
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24505
Facility State (HUB): VA
Facility Location (HUB): 12th & Church St
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 30073
Tank No: 1
Tank Type: UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	
Tank Status:	CLS IN GRD	**Date Closed:**	1/1/1982
Capacity:			
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	No	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	Yes
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cathodical Protect:	No	**Unknown:**	Yes
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	30073	**No of Active AST:**	0
Owner Type:	COMMERCIAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	1
Facility Active:	No		
Name:	VAUGHAN MOTOR CO INC		
Owner Name:	BEDFORD AVE ASSOC		
Owner Address 1:	P.O. BOX 3137		
Owner Address 2:			
Owner City:	LYNCHBURG		
Owner State:	VA		
Owner ZIP 5:	24503		
Owner ZIP 4:			

Data Hub - Registered Tanks Detail

CEDS Fac:	200000094108	**Reference Point:**	
Fac Insp Year:		**X:**	-79.1409999957738
Fac Risk Rank:		**Y:**	37.411900002596

21	1 of1	ESE	0.23 / 1,201.72	626.58 / -81	**AMOCO OIL CO** **Church & 12th Street** **Lynchburg VA 24504**	UST

Facility ID:	7014857	**Facility Active:**	No
CEDS Facility ID:	200000094040	**Federally Regulatd:**	Yes
Facility Type:	GAS STATION	**Parent Reg Alt Des:**	Blue Ridge
Active UST:	0	**County:**	Lynchburg City
Inactive UST:	25	**Region:**	BRROR
Active AST:	0	**Latitude (HUB):**	37.411900002596
Inactive AST:	0	**Longitude (HUB):**	-79.1409999957738
Name:	AMOCO OIL CO		
Address 1:	Church & 12th Street		

Address 2:	
City:	Lynchburg
ZIP:	24504
State:	VA
Name (HUB):	Lynchburg
Facility Name (HUB):	AMOCO OIL CO
Facility Addr 1 (HUB):	Church & 12th Street
Facility Addr 2 (HUB):	
Facility City (HUB):	Lynchburg
Facility ZIP 5 (HUB):	24504
Facility State (HUB):	VA
Facility Location (HUB):	Church & 12th Sts.
Facility Name (Red Tagged):	
Facility Address (Red Tagged):	
Source:	Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID:	33990
Tank No:	1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	
Tank Status:	CLS IN GRD	**Date Closed:**	5/5/1986
Capacity:	250		
Contents:	UNKNOWN		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	Yes	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 10
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 12
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	17
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 7
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 2000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 8
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 2000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 9
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 2000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	19
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 22
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 23
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	5
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	1000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 13
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 15
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 6
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 2000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	16
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	20
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	21
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	3
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	1000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	4
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	1000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 11
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 18
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	14
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	2
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	1000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 33990
Tank No: 24
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date:
Date Closed: 5/5/1986

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	33990
Tank No:	25
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	
Tank Status:	CLS IN GRD	***Date Closed:***	5/5/1986
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Owner

Tank Owner ID: 33990
Owner Type: COMMERCIAL
Region: BRROR
Federal Regulated: Yes
Facility Active: No
Name: AMOCO OIL CO
Owner Name: Amoco Oil Company
Owner Address 1: 1 W Pennsylvania Ave Suite 900
Owner Address 2:
Owner City: Towson
Owner State: MD
Owner ZIP 5: 21204
Owner ZIP 4:

No of Active AST: 0
No of Active UST: 0
No of Inactive AST: 0
No of Inactive UST: 25

Data Hub - Registered Tanks Detail

CEDS Fac: 200000094040
Fac Insp Year:
Fac Risk Rank:

Reference Point:
X: -79.1409999957738
Y: 37.411900002596

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of3	NW	0.23 / 1,220.51	694.63 / -13	PRO AUTO SERVICE CENTER 403 5th Street Lynchburg VA 24504	UST

Facility ID: 7010424
CEDS Facility ID: 200000081705
Facility Type: COMMERCIAL
Active UST: 0
Inactive UST: 1
Active AST: 0
Inactive AST: 0
Name: PRO AUTO SERVICE CENTER
Address 1: 403 5th Street
Address 2:
City: Lynchburg
ZIP: 24504
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): PRO AUTO SERVICE CENTER
Facility Addr 1 (HUB): 403 5th Street
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24504
Facility State (HUB): VA
Facility Location (HUB): 403 5th Street
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Facility Active: No
Federally Regulatd: Yes
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City
Region: BRROR
Latitude (HUB): 37.4170840025515
Longitude (HUB): -79.1471579955554

Tank Information

Tank Owner ID:	29040
Tank No:	R1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	6/1/1969
Tank Status:	REM FROM GRD	***Date Closed:***	8/19/1994
Capacity:	1000		
Contents:	USED OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	GRAVITY	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner

Tank Owner ID:	29040	***No of Active AST:***	0
Owner Type:	PRIVATE	***No of Active UST:***	0
Region:	BRROR	***No of Inactive AST:***	0
Federal Regulated:	Yes	***No of Inactive UST:***	1
Facility Active:	No		
Name:	PRO AUTO SERVICE CENTER		
Owner Name:	JAMES ARTHUR		
Owner Address 1:	403 5TH STREET		
Owner Address 2:			
Owner City:	LYNCHBURG		
Owner State:	VA		
Owner ZIP 5:	24504		
Owner ZIP 4:			

Data Hub - Registered Tanks Detail

CEDS Fac:	200000081705	***Reference Point:***	
Fac Insp Year:		***X:***	-79.1471579955554
Fac Risk Rank:		***Y:***	37.4170840025515

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	2 of3	NW	0.23 / 1,220.51	694.63 / -13	403 5th Street 403 5th St LYNCHBURG VA	BROWNFIELDS

Property ID:	241819
Property Alias:	America's Choice Collision Center

Cooperative Agreements or Corrective Actions Details

CA No:	[Not Displayed]
CA Status:	Closed
CA Name:	Economic Development Authority of the City of Lynchburg Virginia
CA Type:	Assessment
Announcement Year:	2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	3 of3	NW	0.23 / 1,220.51	694.63 / -13	403 5th Street 403 5th St LYNCHBURG VA 24504	FED BROWNFIELDS

Property ID:	241819	***County:***	LYNCHBURG CITY
Lat Measure:	37.416952937012994	***Latitude (Map):***	37.416952937
Long Measure:	-79.14734897253155	***Longitude (Map):***	-79.1473489725
Property Name:	403 5th Street		
Address:	403 5th St		
City:	LYNCHBURG		
State Code:	VA		
Zip Code:	24504		
Primary Name (Map):	403 5TH STREET		
Location Address (Map):	403 5TH ST		
City Name (Map):	LYNCHBURG		
County Name (Map):	LYNCHBURG CITY		
State Code (Map):	VA		
Postal Code (Map):	24504		
Data Source:	Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)		

Property Details (Cleanups in My Community)

ID No:		***Size Acres:***	.27
NFA Letter Date:		***Parcel No:***	7400

Media Affected:	Ground Water Soil	**Property Enrolled:**	Y
Media Cleaned Up:		**Radius:**	.5
Contaminants REC:	Other Metals SVOCs VOCs	**Census Tract:**	51680000600
Contams Actionable:	Other Metals SVOCs VOCs	**2010 # Below Poverty:**	1079.
Contams < Actionble:		**2010 Below Poverty:**	39.47
Contamnts Cleanup:		**2010 Median Income:**	5244.
Tanks Removal:		**2010 No Low Income:**	1496.
Cleanup Needed:	N	**2010 Low Income:**	54.72
Cleanup Treatment:		**2010 No Vacant Hous:**	319.
Excavation Disposl:		**2010 Vacant Housing:**	23.38
Contams Extractn:		**2010 # Unemployed:**	221.
Reduc Contams:		**2010 Unemployed:**	8.08
Additional Clnup:		**Tech Capping:**	
Institutional Cleanup:	N	**Secur Guard Fence:**	
Institutional Cleanup:		**Immobilization:**	
Engineering Needed:	N	**Eng Barriers:**	
Eng Control:		**Proprietary Cntrl:**	
Additnl Inst Control:		**Info Device:**	
Additnl Eng Control:		**Govt Cntrl:**	
Inst Control Date:		**Enf Permit Tool:**	
Eng Control Date:		**Clnup Struct Remov:**	
Property Alias:	America's Choice Collision Center		
Property Owner:	Private		
Address Source URL:			
Address Source URL:			
Address Source URL:			
Other:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	Phase I Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase I Environmental Assessment	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	10/23/2018	**Redev Greenspace:**	
Assessmnt Compl Dt:	11/15/2018	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	SAP
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase II Environmental Assessment	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	12/04/2018	**Redev Greenspace:**	
Assessmnt Compl Dt:	02/01/2019	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	

Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	Phase I Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:		**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:		**Redev Residential:**	
Assessmnt Start Dt:		**Redev Greenspace:**	
Assessmnt Compl Dt:		**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	Phase II Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	SAP	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	12/03/2018	**Redev Greenspace:**	
Assessmnt Compl Dt:	12/13/2018	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	

Past Use Commercial: .27
Coop Agmt Recipnt: Economic Development Authority of the City of Lynchburg Virginia
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:

Activity Details(Cleanups in My Community)

Coop Agmt No: 96359401
Program Name: BF
Activity Funded: Phase I Environmental Assessment
Type CA Fund: Petroleum
Funding Entity: EPA
Assessmnt Start Dt: 10/23/2018
Assessmnt Compl Dt: 11/15/2018
Clnup Actvy Start Dt:
Clnup Actvy Comp Dt:
Acres Cleaned Up:
Clnup Funding Src:
Clnup Entity Provid:
Signed Rpt Dt:
Direct Clnup Tot Fnd:
Direct Clnup Fnd Src:
Fund Amt Expnded:
Source of Funding:
Past Use Resiential:
Past Use Greenspace:
Past Use Industrial:
Redev Actvy Funded: SAP
Redev Start Dt:
Redev Compl date:
Redev Fund Entity:
Redev Residential:
Redev Greenspace:
Redev Industrial:
Redev Commercial:
# of Redev Jobs:
RLF Signed Dt:
RLF Intest Rate:
RLF EPA Fund:
RLF Cost Share:
RLF Prog Income:
RLF Lvg Fund Src:
RLF Lvg Fund Entity:
RLF Lvg Fund Amt:
RLF Subgrant Signed:
Subgrant EPA Fund:
Subgrant Cost Shr:
Past Use Commercial: .27
Coop Agmt Recipnt: Economic Development Authority of the City of Lynchburg Virginia
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:

Activity Details(Cleanups in My Community)

Coop Agmt No: 96359401
Program Name: BF
Activity Funded:
Type CA Fund: Petroleum
Funding Entity:
Assessmnt Start Dt:
Assessmnt Compl Dt:
Clnup Actvy Start Dt:
Clnup Actvy Comp Dt:
Acres Cleaned Up:
Clnup Funding Src:
Clnup Entity Provid:
Signed Rpt Dt:
Direct Clnup Tot Fnd:
Direct Clnup Fnd Src:
Fund Amt Expnded:
Source of Funding:
Past Use Resiential:
Past Use Greenspace:
Past Use Industrial:
Redev Actvy Funded: SAP
Redev Start Dt:
Redev Compl date:
Redev Fund Entity:
Redev Residential:
Redev Greenspace:
Redev Industrial:
Redev Commercial:
# of Redev Jobs:
RLF Signed Dt:
RLF Intest Rate:
RLF EPA Fund:
RLF Cost Share:
RLF Prog Income:
RLF Lvg Fund Src:
RLF Lvg Fund Entity:
RLF Lvg Fund Amt:
RLF Subgrant Signed:
Subgrant EPA Fund:
Subgrant Cost Shr:
Past Use Commercial: .27
Coop Agmt Recipnt: Economic Development Authority of the City of Lynchburg Virginia
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:

Activity Details(Cleanups in My Community)

Coop Agmt No: 96359401
Redev Actvy Funded: Phase II Environmental Assessment

Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase II Environmental Assessment	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	12/04/2018	**Redev Greenspace:**	
Assessmnt Compl Dt:	02/01/2019	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	Phase II Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase I Environmental Assessment	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	10/23/2018	**Redev Greenspace:**	
Assessmnt Compl Dt:	11/15/2018	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	Phase I Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase II Environmental Assessment	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	12/04/2018	**Redev Greenspace:**	
Assessmnt Compl Dt:	02/01/2019	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	

Signed Rpt Dt: ***RLF Cost Share:***
Direct Clnup Tot Fnd: ***RLF Prog Income:***
Direct Clnup Fnd Src: ***RLF Lvg Fund Src:***
Fund Amt Expnded: ***RLF Lvg Fund Entity:***
Source of Funding: ***RLF Lvg Fund Amt:***
Past Use Resiential: ***RLF Subgrant Signed:***
Past Use Greenspace: ***Subgrant EPA Fund:***
Past Use Industrial: ***Subgrant Cost Shr:***
Past Use Commercial: .27
Coop Agmt Recipnt: Economic Development Authority of the City of Lynchburg Virginia
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:

Activity Details(Cleanups in My Community)

Coop Agmt No: 96359401 ***Redev Actvy Funded:*** Phase II Environmental Assessment
Program Name: BF ***Redev Start Dt:***
Activity Funded: ***Redev Compl date:***
Type CA Fund: Petroleum ***Redev Fund Entity:***
Funding Entity: ***Redev Residential:***
Assessmnt Start Dt: ***Redev Greenspace:***
Assessmnt Compl Dt: ***Redev Industrial:***
Clnup Actvy Start Dt: ***Redev Commercial:***
Clnup Actvy Comp Dt: ***# of Redev Jobs:***
Acres Cleaned Up: ***RLF Signed Dt:***
Clnup Funding Src: ***RLF Intest Rate:***
Clnup Entity Provid: ***RLF EPA Fund:***
Signed Rpt Dt: ***RLF Cost Share:***
Direct Clnup Tot Fnd: ***RLF Prog Income:***
Direct Clnup Fnd Src: ***RLF Lvg Fund Src:***
Fund Amt Expnded: ***RLF Lvg Fund Entity:***
Source of Funding: ***RLF Lvg Fund Amt:***
Past Use Resiential: ***RLF Subgrant Signed:***
Past Use Greenspace: ***Subgrant EPA Fund:***
Past Use Industrial: ***Subgrant Cost Shr:***
Past Use Commercial: .27
Coop Agmt Recipnt: Economic Development Authority of the City of Lynchburg Virginia
Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:

Activity Details(Cleanups in My Community)

Coop Agmt No: 96359401 ***Redev Actvy Funded:*** SAP
Program Name: BF ***Redev Start Dt:***
Activity Funded: ***Redev Compl date:***
Type CA Fund: Petroleum ***Redev Fund Entity:***
Funding Entity: ***Redev Residential:***
Assessmnt Start Dt: ***Redev Greenspace:***
Assessmnt Compl Dt: ***Redev Industrial:***
Clnup Actvy Start Dt: ***Redev Commercial:***
Clnup Actvy Comp Dt: ***# of Redev Jobs:***
Acres Cleaned Up: ***RLF Signed Dt:***
Clnup Funding Src: ***RLF Intest Rate:***
Clnup Entity Provid: ***RLF EPA Fund:***
Signed Rpt Dt: ***RLF Cost Share:***
Direct Clnup Tot Fnd: ***RLF Prog Income:***
Direct Clnup Fnd Src: ***RLF Lvg Fund Src:***
Fund Amt Expnded: ***RLF Lvg Fund Entity:***
Source of Funding: ***RLF Lvg Fund Amt:***
Past Use Resiential: ***RLF Subgrant Signed:***
Past Use Greenspace: ***Subgrant EPA Fund:***
Past Use Industrial: ***Subgrant Cost Shr:***
Past Use Commercial: .27
Coop Agmt Recipnt: Economic Development Authority of the City of Lynchburg Virginia
Clnup Compet Doc2:

Climate Adapt Mitg1:
Climate Adapt Mitg2:

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	***Redev Actvy Funded:***	SAP
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	SAP	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	
Assessmnt Start Dt:	12/03/2018	***Redev Greenspace:***	
Assessmnt Compl Dt:	12/13/2018	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:		***Subgrant Cost Shr:***	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	***Redev Actvy Funded:***	Phase II Environmental Assessment
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:		***Redev Residential:***	
Assessmnt Start Dt:		***Redev Greenspace:***	
Assessmnt Compl Dt:		***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:		***Subgrant Cost Shr:***	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	***Redev Actvy Funded:***	Phase I Environmental Assessment
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	

Funding Entity:		**Redev Residential:**	
Assessmnt Start Dt:		**Redev Greenspace:**	
Assessmnt Compl Dt:		**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96359401	**Redev Actvy Funded:**	Phase I Environmental Assessment
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	SAP	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	
Assessmnt Start Dt:	12/03/2018	**Redev Greenspace:**	
Assessmnt Compl Dt:	12/13/2018	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:		**Subgrant Cost Shr:**	
Past Use Commercial:	.27		
Coop Agmt Recipnt:	Economic Development Authority of the City of Lynchburg Virginia		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Brownfields Details

Registry I:	110070789647	**SF El He C:**	
EPA ID:		**SF IC Ind:**	
EPA Region:	03	**SF NPL Cod:**	
Cat No:	2080203	**SF NPL C 1:**	
RCRA Handl:		**FF SF Ind:**	
RCRA Curre:		**Map Symbol:**	B
RCRA Remed:		**Data Refre:**	04-Feb-2024
RCRA Const:		**New Site:**	
RCRA El He:		**BF RLF Gra:**	
RCRA El Gm:		**BF RLF Pil:**	
RCRA Rem 1:		**BF Assess :**	
RCRA Ec Gw:		**BF Cleanup:**	
RCRA Ec Ng:		**BF Tba Ind:**	
RCRA IC Ep:		**BF 128a In:**	
RCRA IC Gc:		**BF IC Code:**	N

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RCRA IC ID:		**BF IC Gc I:**	U
RCRA IC Pr:		**BF IC Ep I:**	U
FF RCRA In:		**BF IC ID I:**	U
RCRA Ec Co:		**BF IC Pr I:**	U
RCRA IC Co:		**BF Assess1:**	Y
RCRA Gpra :		**BF Multipu:**	
RCRA Rem 2:		**BF Awp Ind:**	
RCRA Dru 1:		**BF Showcas:**	
SF Site ID:		**BF 128a P :**	
SF Ec Ind:		**Congressio:**	VA-05
SF El Gm C:		**Stimulus B:**	
Ind Name:			
Cat Name:	Middle James-Buffalo		
Sub Name:	Middle James-Buffalo		
Primary Name:	403 5TH STREET		
RCRA Drupa:			
Repow Ref :	https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER:::::P33_REF:6290		
Url:	https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&Action=Navigate&col1=ACRES_GRANT_EXPORT.PROPERTY_ID&val1=%22241819.0%22&PortalPath=/shared/CIMC/_portal/CIMC&Page=Profile+Page		
Census Url:	https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&coords=-79.1473489725315%2C37.416952937013&feattype=point&radius=1.0		
ACS Url:	https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&coords=-79.1473489725315%2C37.416952937013&feattype=point&radius=1.0		
SAA Site:			
Sf Brac Ty:			
Sf Archive:			
Sf Ffdocke:			
Sf Npl C 3:			
Sf Npl C 2:			
Sf Npl C 1:			
SF Site Na:			
SF Non N 1:			
SF Non N 2:			
SF Non N 3:			
SF Non Npl:			
BF Prope 1:	403 5th Street		
RCRA Han 1:			
RCRA Rau I:			
REPOW BF:	SG		
REPOW Re 1:	RE-Powering Site Profile		
REPOW Ref1:	6290		

23	**1 of1**	**WNW**	**0.24 / 1,252.30**	**726.12 / 18**	**TRAILWAYS INC 512 FIFTH ST. Lynchburg VA 24504**	**UST**

Facility ID:	7006423	**Facility Active:**	No
CEDS Facility ID:	200000094107	**Federally Regulatd:**	Yes
Facility Type:	COMMERCIAL	**Parent Reg Alt Des:**	Blue Ridge
Active UST:	0	**County:**	Lynchburg City
Inactive UST:	3	**Region:**	BRROR
Active AST:	0	**Latitude (HUB):**	37.416504996319
Inactive AST:	0	**Longitude (HUB):**	-79.1481110056639
Name:	TRAILWAYS INC		
Address 1:	512 FIFTH ST.		
Address 2:			
City:	Lynchburg		
ZIP:	24504		
State:	VA		
Name (HUB):	Lynchburg		
Facility Name (HUB):	TRAILWAYS INC		
Facility Addr 1 (HUB):	512 FIFTH ST.		
Facility Addr 2 (HUB):			
Facility City (HUB):	Lynchburg		
Facility ZIP 5 (HUB):	24504		
Facility State (HUB):	VA		

Facility Location (HUB): 512 Fifth St
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 26702
Tank No: 3
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: REM FROM GRD
Capacity: 8000
Contents: DIESEL
Other Contents:
Install Date:
Date Closed: 2/11/1993

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		

Other: No
Other Specify:

Pipe Materials

Piping Type:	VALVE SUCTION	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	Yes	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No

Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No

Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 26702
Tank No: 1
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: CLS IN GRD
Capacity: 5000
Contents: DIESEL
Other Contents:
Install Date: 4/21/1956
Date Closed: 1/1/1979

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		

Other: No
Other Specify:

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	Yes	**Unknown:**	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No

Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No

Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Tank Information

Tank Owner ID:	26702
Tank No:	2
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	4/21/1956
Tank Status:	CLS IN GRD	**Date Closed:**	1/1/1979
Capacity:	5000		
Contents:	DIESEL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	Yes	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Owner

Tank Owner ID: 26702
Owner Type: PRIVATE
Region: BRROR
Federal Regulated: Yes
Facility Active: No
Name: TRAILWAYS INC
Owner Name: TRAILWAYS INC
Owner Address 1: 13760 NOEL ROAD
Owner Address 2:
Owner City: DALLAS
Owner State: TX
Owner ZIP 5: 75240
Owner ZIP 4:

No of Active AST: 0
No of Active UST: 0
No of Inactive AST: 0
No of Inactive UST: 3

Data Hub - Registered Tanks Detail

CEDS Fac: 200000094107
Fac Insp Year:
Fac Risk Rank:

Reference Point:
X: -79.1481110056639
Y: 37.416504996319

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	1 of1	NNE	0.24 / 1,255.30	571.15 / -137	FCL WAREHOUSE 616 Commerce Street Lynchburg VA 24504	UST

Facility ID: 7023479
CEDS Facility ID: 200000088471
Facility Type: COMMERCIAL
Active UST: 0
Inactive UST: 1
Active AST: 0
Inactive AST: 0
Name: FCL WAREHOUSE
Address 1: 616 Commerce Street
Address 2:
City: Lynchburg
ZIP: 24504
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): FCL WAREHOUSE
Facility Addr 1 (HUB): 616 Commerce Street
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24504
Facility State (HUB): VA
Facility Location (HUB):
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Facility Active: No
Federally Regulatd: Yes
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City
Region: BRROR
Latitude (HUB): 37.4146769959027
Longitude (HUB): -79.1406959924069

Tank Information

Tank Owner ID: 27727
Tank No: R1
Tank Type: UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	1/1/1971
Tank Status:	REM FROM GRD	**Date Closed:**	8/24/1998
Capacity:	10000		
Contents:	HEATING OIL		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	NO VALVE SUCTION	**Double Walled:**	No
Asphalt/Bare Steel:	Yes	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	27727	**No of Active AST:**	0
Owner Type:	COMMERCIAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	1
Facility Active:	No		
Name:	FCL WAREHOUSE		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Name: FIRST COLONY LIFE INSURANCE CO
Owner Address 1: 700 MAIN STREET
Owner Address 2:
Owner City: LYNCHBURG
Owner State: VA
Owner ZIP 5: 24504
Owner ZIP 4:

Data Hub - Registered Tanks Detail

CEDS Fac: 200000088471
Fac Insp Year:
Fac Risk Rank:
Reference Point:
X: -79.1406959924069
Y: 37.4146769959027

25	1 of2	NE	0.24 / 1,256.94	546.83 / -161	BUILDING O 727 Jefferson St Lynchburg VA 24504	UST

Facility ID: 7037522
CEDS Facility ID: 200000197171
Facility Type: COMMERCIAL
Active UST: 0
Inactive UST: 1
Active AST: 0
Inactive AST: 0
Facility Active: No
Federally Regulatd: Yes
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City
Region: BRROR
Latitude (HUB): 37.4172260047644
Longitude (HUB): -79.1417669998212
Name: BUILDING O
Address 1: 727 Jefferson St
Address 2:
City: Lynchburg
ZIP: 24504
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): BUILDING O
Facility Addr 1 (HUB): 727 Jefferson St
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24504
Facility State (HUB): VA
Facility Location (HUB):
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 27727
Tank No: R1
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: REM FROM GRD
Capacity: 1000
Contents: HAZARDOUS
Other Contents:
Install Date:
Date Closed: 8/19/1998

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No

Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	**Double Walled:**	No
Asphalt/Bare Steel:	Yes	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Owner

Tank Owner ID:	27727	**No of Active AST:**	0
Owner Type:	COMMERCIAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	1
Facility Active:	No		
Name:	BUILDING O		
Owner Name:	FIRST COLONY LIFE INSURANCE CO		
Owner Address 1:	700 MAIN STREET		
Owner Address 2:			
Owner City:	LYNCHBURG		
Owner State:	VA		
Owner ZIP 5:	24504		
Owner ZIP 4:			

Data Hub - Registered Tanks Detail

CEDS Fac:	200000197171	**Reference Point:**	
Fac Insp Year:		**X:**	-79.1417669998212
Fac Risk Rank:		**Y:**	37.4172260047644

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	2 of2	NE	0.24 / 1,256.94	546.83 / -161	V R MARIANI 723-727 JEFFERSON ST LYNCHBURG VA 24504	RCRA NON GEN

EPA Handler ID: VAD988218590
Gen Status Universe: No Report
Contact Name: RICHARD DOTY
Contact Address: PO BOX 1039 , , LYNCHBURG , VA, 24505 , US
Contact Phone No and Ext: 804-846-7335
Contact Email:
Contact Country: US
County Name: LYNCHBURG CITY
EPA Region: 03
Land Type:
Receive Date: 20160120
Location Latitude: 37.416568
Location Longitude: -79.141244

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Oct, 2023.

Evaluation Details

Evaluation Start Date: 20160108
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920706
Handler Name: V R MARIANI
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D001

Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20160120
Handler Name: V R MARIANI
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	PO BOX 1039
Name:	V R MARIANI INC	***Street 2:***	
Date Became Current:		***City:***	LYNCHBURG
Date Ended Current:		***State:***	VA
Phone:	804-846-7335	***Country:***	
Source Type:	Notification	***Zip Code:***	24505

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	PO BOX 1039
Name:	V R MARIANI INC	***Street 2:***	
Date Became Current:		***City:***	LYNCHBURG

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Ended Current: | **State:** VA
Phone: 804-846-7335 | **Country:**
Source Type: Implementer | **Zip Code:** 24505

Historical Handler Details

Receive Dt: 19920706
Generator Code Description: Small Quantity Generator
Handler Name: V R MARIANI

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26 | **1 of2** | **SSE** | **0.24 / 1,265.58** | **634.66 / -73** | **NEIGBORHOOD MARKET / W&T MINI MART**
505 Grace Street
Lynchburg VA 24504 | **UST**

Facility ID: 7019986 | **Facility Active:** No
CEDS Facility ID: 200000081743 | **Federally Regulatd:** Yes
Facility Type: GAS STATION | **Parent Reg Alt Des:** Blue Ridge
Active UST: 0 | **County:** Lynchburg City
Inactive UST: 3 | **Region:** BRROR
Active AST: 0 | **Latitude (HUB):** 37.4105809866303
Inactive AST: 0 | **Longitude (HUB):** -79.1428094857253
Name: NEIGBORHOOD MARKET / W&T MINI MART
Address 1: 505 Grace Street
Address 2:
City: Lynchburg
ZIP: 24504
State: VA
Name (HUB): Lynchburg
Facility Name (HUB): NEIGBORHOOD MARKET / W&T MINI MART
Facility Addr 1 (HUB): 505 Grace Street
Facility Addr 2 (HUB):
Facility City (HUB): Lynchburg
Facility ZIP 5 (HUB): 24504
Facility State (HUB): VA
Facility Location (HUB): 505 Grace Street
Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 34989
Tank No: 3
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes | **Install Date:** 5/7/1981
Tank Status: PERM OUT OF USE | **Date Closed:**
Capacity: 2000
Contents: GASOLINE
Other Contents:

Tank Materials

Asphalt/Bare Steel: Yes | **Polyethyl Jacket:** No
CCP/STI-P3: No | **Concrete:** No
Composite: No | **Excavation Liner:** No
Fiberglass: No | **Secondary Contain:** No
Lined Interior: No | **Repaired:** No
Double Walled: No | **Unknown:** No
Impressed Curr: No

Other: No
Other Specify:

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No

Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 31689
Tank No: R1
Tank Type: UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	5/7/1981
Tank Status:	REM FROM GRD	***Date Closed:***	7/27/2000
Capacity:	8000		

Contents: GASOLINE
Other Contents:

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		

Other: No
Other Specify:

Pipe Materials

Piping Type:	VALVE SUCTION	***Double Walled:***	No
Asphalt/Bare Steel:	Yes	***Impressed Current:***	
Galvanized Steel:	No	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No

Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 31689
Tank No: R2
Tank Type: UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	5/7/1981
Tank Status:	REM FROM GRD	***Date Closed:***	7/27/2000
Capacity:	8000		

Contents: GASOLINE
Other Contents:

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		

Other: No
Other Specify:

Pipe Materials

Piping Type:	VALVE SUCTION	***Double Walled:***	No
Asphalt/Bare Steel:	Yes	***Impressed Current:***	
Galvanized Steel:	No	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No

Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Owner

Tank Owner ID:	34989	***No of Active AST:***	0
Owner Type:	COMMERCIAL	***No of Active UST:***	0
Region:	BRROR	***No of Inactive AST:***	0
Federal Regulated:	Yes	***No of Inactive UST:***	3
Facility Active:	No		

Name: NEIGBORHOOD MARKET / W&T MINI MART
Owner Name: Lovelace Oil Company Inc
Owner Address 1: 1810 James St
Owner Address 2:
Owner City: Lynchburg
Owner State: VA
Owner ZIP 5: 24502
Owner ZIP 4: 4051

Tank Owner ID:	31689	***No of Active AST:***	0
Owner Type:	COMMERCIAL	***No of Active UST:***	0
Region:	BRROR	***No of Inactive AST:***	0
Federal Regulated:	Yes	***No of Inactive UST:***	3
Facility Active:	No		

Name: NEIGBORHOOD MARKET / W&T MINI MART
Owner Name: LEWIS WILSON
Owner Address 1: 612 5TH ST
Owner Address 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner City: LYNCHBURG
Owner State: VA
Owner ZIP 5: 24052
Owner ZIP 4: 2450

Data Hub - Registered Tanks Detail

CEDS Fac: 200000081743
Fac Insp Year:
Fac Risk Rank:
Reference Point:
X: -79.1428094857253
Y: 37.4105809866303

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26 | **2 of2** | **SSE** | **0.24 / 1,265.58** | **634.66 / -73** | **Neighborhood Market, 505 Grace Street, Lynchburg VA 24504** | **LST**

PC No : 20012102
PC No (HUB): 20012102
CEDS Fac ID: 200000081743
Program: RP Lead
Region: BRRO-R
Case Status: Closed
Case Closed Date: 2/19/2004
Release Reported: 1/31/2001
Heat Oil Category:
Unknown Tank Type: No
Fed Regulated UST: Yes
Reg Petrol UST 1: Yes
Excluded UST 1: No
Deferred UST 1: No
Partial Defr UST 1: No
Exmpt 1 UST 2: No
Exmpt2 Ht Oil UST2: No
Small Ht Oil AST 2: No
Regulated AST3: No
Unregulated AST3: No
Site Name: Neighborhood Market
Address : 505 Grace Street
City : Lynchburg
Zip: 24504
County : Lynchburg City
RST Name (HUB): Neighborhood Market
Fac L Addr 1 (HUB): 505 Grace Street
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID: 18005
RST Fac ID: 200000081743
RST Poll Cmplt No: 20012102
RST Status Ind: Closed
RST Rls Reported: 2001/01/31 00:00:00+00
RST Case Closed: 2004/02/19 00:00:00+00
RST Suspect Cnfrmd: Confirmed
RST Rec Code: WCRO
RST Priority:
RST Fed Reg Tank: Yes
RST Name: Neighborhood Market
Fac Location: 505 Grace Street
RST Response:
RST Responsibi Ind: RP Lead
DES First Name: Joey
DES Last Name: Daniel
Reference Point:
Latitude: 37.4106198192824
Longitude: -79.1427767708793
X: -79.1427767708793
Y: 37.4106198192824

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27 | **1 of1** | **NE** | **0.24 / 1,274.83** | **556.87 / -151** | **BUILDING I, 56 7th St, Lynchburg VA 24504** | **UST**

Facility ID: 7037523
CEDS Facility ID: 200000197172
Facility Type: COMMERCIAL
Active UST: 0
Inactive UST: 1
Active AST: 0
Facility Active: No
Federally Regulatd: Yes
Parent Reg Alt Des: Blue Ridge
County: Lynchburg City
Region: BRROR
Latitude (HUB): 37.4172010011787

Inactive AST:	0	**Longitude (HUB):**	-79.1424649988818
Name:	BUILDING I		
Address 1:	56 7th St		
Address 2:			
City:	Lynchburg		
ZIP:	24504		
State:	VA		
Name (HUB):	Lynchburg		
Facility Name (HUB):	BUILDING I		
Facility Addr 1 (HUB):	56 7th St		
Facility Addr 2 (HUB):			
Facility City (HUB):	Lynchburg		
Facility ZIP 5 (HUB):	24504		
Facility State (HUB):	VA		
Facility Location (HUB):			
Facility Name (Red Tagged):			
Facility Address (Red Tagged):			
Source:	Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities		

Tank Information

Tank Owner ID:	27727
Tank No:	R1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	**Install Date:**	
Tank Status:	REM FROM GRD	**Date Closed:**	8/18/1998
Capacity:	500		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	NO VALVE SUCTION	**Double Walled:**	No
Asphalt/Bare Steel:	Yes	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Other:	No
Other Specify:	
Spill Device Installed:	No
Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Owner

Tank Owner ID:	27727	**No of Active AST:**	0
Owner Type:	COMMERCIAL	**No of Active UST:**	0
Region:	BRROR	**No of Inactive AST:**	0
Federal Regulated:	Yes	**No of Inactive UST:**	1
Facility Active:	No		
Name:	BUILDING I		
Owner Name:	FIRST COLONY LIFE INSURANCE CO		
Owner Address 1:	700 MAIN STREET		
Owner Address 2:			
Owner City:	LYNCHBURG		
Owner State:	VA		
Owner ZIP 5:	24504		
Owner ZIP 4:			

Data Hub - Registered Tanks Detail

CEDS Fac:	200000197172	**Reference Point:**	
Fac Insp Year:		**X:**	-79.1424649988818
Fac Risk Rank:		**Y:**	37.4172010011787

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
28	1 of2	WNW	0.24 / 1,279.83	727.04 / 19	5TH ST TEXACO 521 5th St Lynchburg VA 24504	UST

Facility ID:	7008192	**Facility Active:**	No
CEDS Facility ID:	200000088455	**Federally Regulatd:**	Yes
Facility Type:	GAS STATION	**Parent Reg Alt Des:**	Blue Ridge
Active UST:	0	**County:**	Lynchburg City
Inactive UST:	10	**Region:**	BRROR
Active AST:	0	**Latitude (HUB):**	37.4163408270855
Inactive AST:	0	**Longitude (HUB):**	-79.1487050409001
Name:	5TH ST TEXACO		
Address 1:	521 5th St		
Address 2:			
City:	Lynchburg		
ZIP:	24504		
State:	VA		
Name (HUB):	Lynchburg		
Facility Name (HUB):	5TH ST TEXACO		
Facility Addr 1 (HUB):	521 5th St		
Facility Addr 2 (HUB):			
Facility City (HUB):	Lynchburg		
Facility ZIP 5 (HUB):	24504		
Facility State (HUB):	VA		
Facility Location (HUB):	521 5th St		

Facility Name (Red Tagged):
Facility Address (Red Tagged):
Source: Registered Petroleum Storage Tanks; Virginia Environmental Data Hub - Registered Petroleum Tank Facilities

Tank Information

Tank Owner ID: 32455
Tank No: closed4
Tank Type: UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	4/24/1971
Tank Status:	PERM OUT OF USE	***Date Closed:***	
Capacity:	3000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	No
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		

Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 32455
Tank No: closed6
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: PERM OUT OF USE
Capacity: 550
Contents: USED OIL
Other Contents:
Install Date: 4/24/1971
Date Closed:

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 45634
Tank No: 2
Tank Type: UST

Tank Details

Fed Regulated Tank: No
Tank Status: REM FROM GRD
Capacity: 6000
Contents: GASOLINE
Other Contents:
Install Date: 12/1/1989
Date Closed: 2/17/2011

Tank Materials

Asphalt/Bare Steel:	No	**Polyethyl Jacket:**	No
CCP/STI-P3:	Yes	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		

Other: No
Other Specify:

Pipe Materials

Piping Type:	NO VALVE SUCTION	**Double Walled:**	No
Asphalt/Bare Steel:	No	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	Yes	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	Yes	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No

Other: No
Other Specify:
Spill Device Installed: Yes
Overfill Device Install: Yes
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No

Pipe RD Leak Deferred: Yes
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 45634
Tank No: 3
Tank Type: UST

Tank Details

Fed Regulated Tank: No
Tank Status: REM FROM GRD
Capacity: 6000
Contents: GASOLINE
Other Contents:
Install Date: 12/1/1989
Date Closed: 2/17/2011

Tank Materials

Asphalt/Bare Steel: No
CCP/STI-P3: Yes
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: NO VALVE SUCTION
Asphalt/Bare Steel: No
Galvanized Steel: No
Fiberglass: Yes
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: Yes
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: Yes
Overfill Device Install: Yes
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Pipe RD Leak Deferred: Yes
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 32455
Tank No: closed3
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: PERM OUT OF USE
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date: 4/24/1971
Date Closed:

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 45634
Tank No: 1
Tank Type: UST

Tank Details

Fed Regulated Tank: No
Tank Status: REM FROM GRD
Capacity: 6000
Contents: GASOLINE
Other Contents:
Install Date: 12/1/1989
Date Closed: 2/17/2011

Tank Materials

Asphalt/Bare Steel: No
CCP/STI-P3: Yes
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: NO VALVE SUCTION
Asphalt/Bare Steel: No
Galvanized Steel: No
Fiberglass: Yes
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: Yes
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: Yes
Overfill Device Install: Yes
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Pipe RD Leak Deferred: Yes
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 45634
Tank No: 4
Tank Type: UST

Tank Details

Fed Regulated Tank: No
Tank Status: REM FROM GRD
Capacity: 550
Contents: KEROSENE
Other Contents:
Install Date: 4/23/1981
Date Closed: 2/17/2011

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: Yes
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: NO VALVE SUCTION
Asphalt/Bare Steel: No
Galvanized Steel: No
Fiberglass: Yes
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: Yes
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: Yes
Overfill Device Install: Yes
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Pipe RD Leak Deferred: Yes
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 32455
Tank No: closed1
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: PERM OUT OF USE
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date: 4/24/1971
Date Closed:

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 45634
Tank No: 5
Tank Type: UST

Tank Details

Fed Regulated Tank: No
Tank Status: REM FROM GRD
Capacity: 500
Contents: USED OIL
Other Contents:
Install Date:
Date Closed: 2/21/2011

Tank Materials

Asphalt/Bare Steel:	Yes	**Polyethyl Jacket:**	No
CCP/STI-P3:	No	**Concrete:**	No
Composite:	No	**Excavation Liner:**	No
Fiberglass:	No	**Secondary Contain:**	No
Lined Interior:	No	**Repaired:**	No
Double Walled:	No	**Unknown:**	No
Impressed Curr:	No		

Other: No
Other Specify:

Pipe Materials

Piping Type:		**Double Walled:**	No
Asphalt/Bare Steel:	Yes	**Impressed Current:**	
Galvanized Steel:	No	**Polyflexible:**	No
Fiberglass:	No	**Secondary Contain:**	No
Copper:	No	**Repaired:**	No
Cathodical Protect:	No	**Unknown:**	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	**Groundwatr Monitor:**	No
Tightness Testing:	No	**IM Dbl Walled:**	No
Inventory Controls:	No	**IM Sec Contain:**	No
ATG:	No	**Tank Rd Sir:**	No
Vapor Monitoring:	No	**Leak Deferred:**	No

Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No

Pipe RD Leak Deferred: No
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 32455
Tank No: closed2
Tank Type: UST

Tank Details

Fed Regulated Tank: Yes
Tank Status: PERM OUT OF USE
Capacity: 3000
Contents: GASOLINE
Other Contents:
Install Date: 4/24/1971
Date Closed:

Tank Materials

Asphalt/Bare Steel: Yes
CCP/STI-P3: No
Composite: No
Fiberglass: No
Lined Interior: No
Double Walled: No
Impressed Curr: No
Other: No
Other Specify:
Polyethyl Jacket: No
Concrete: No
Excavation Liner: No
Secondary Contain: No
Repaired: No
Unknown: No

Pipe Materials

Piping Type: UNKNOWN
Asphalt/Bare Steel: No
Galvanized Steel: Yes
Fiberglass: No
Copper: No
Cathodical Protect: No
Other: No
Other Specify:
Double Walled: No
Impressed Current:
Polyflexible: No
Secondary Contain: No
Repaired: No
Unknown: No

Tank/Pipe Release Detection

Manual Gauging: No
Tightness Testing: No
Inventory Controls: No
ATG: No
Vapor Monitoring: No
Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Groundwatr Monitor: No
IM Dbl Walled: No
IM Sec Contain: No
Tank Rd Sir: No
Leak Deferred: No

Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Owner

Tank Owner ID: 45634
Owner Type: PRIVATE
Region: BRROR
Federal Regulated: Yes
Facility Active: No
Name: 5TH ST TEXACO
Owner Name: Kwik Stop LLC
Owner Address 1: 521 5th Street
Owner Address 2:
Owner City: Lynchburg
Owner State: VA
Owner ZIP 5: 24504
Owner ZIP 4:
No of Active AST: 0
No of Active UST: 0
No of Inactive AST: 0
No of Inactive UST: 10

Tank Owner ID: 32455
Owner Type: COMMERCIAL
Region: BRROR
Federal Regulated: Yes
Facility Active: No
Name: 5TH ST TEXACO
Owner Name: CA-DE CORP
Owner Address 1: 521 5TH ST.
Owner Address 2:
Owner City: LYNCHBURG
Owner State: VA
Owner ZIP 5: 24504
Owner ZIP 4:
No of Active AST: 0
No of Active UST: 0
No of Inactive AST: 0
No of Inactive UST: 10

Data Hub - Registered Tanks Detail

CEDS Fac: 200000088455
Fac Insp Year:
Fac Risk Rank:
Reference Point:
X: -79.1487050409001
Y: 37.4163408270855

28	2 of2	WNW	0.24 / 1,279.83	727.04 / 19	Kwik Stop 521 5th St Lynchburg VA 24504	LST

PC No : 20112159
PC No (HUB): 20112159
CEDS Fac ID: 200000088455
Program: RP Lead
Region: BRRO-R
Case Status: Closed
Case Closed Date: 6/25/2012
Release Reported: 3/14/2011
Heat Oil Category:
Unknown Tank Type: No
Site Name: Kwik Stop
Address : 521 5th St
City : Lynchburg
Zip: 24504
County : Lynchburg City
RST Name (HUB): Kwik Stop
Fac L Addr 1 (HUB): 521 5th St
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Fed Regulated UST: Yes
Reg Petrol UST 1: Yes
Excluded UST 1: No
Deferred UST 1: No
Partial Defr UST 1: No
Exmpt 1 UST 2: No
Exmpt2 Ht Oil UST2: No
Small Ht Oil AST 2: No
Regulated AST3: No
Unregulated AST3: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	34608	**RST Response:**	
RST Fac ID:	200000088455	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20112159	**DES First Name:**	Robert
RST Status Ind:	Closed	**DES Last Name:**	Howard
RST Rls Reported:	2011/03/14 00:00:00+00	**Reference Point:**	
RST Case Closed:	2012/06/25 00:00:00+00	**Latitude:**	37.4163989770411
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1486667780589
RST Rec Code:	WCRO	**X:**	-79.1486667780589
RST Priority:	3	**Y:**	37.4163989770411
RST Fed Reg Tank:	Yes		
RST Name:	Kwik Stop		
Fac Location:	521 5th St		

29	1 of1	ENE	0.26 / 1,353.22	533.44 / -174	**CENTRAL FIDELITY BANK/CAR WASH** **812 JEFFERSON ST.** **Lynchburg VA 24505**	LST

PC No :	19991036	**Fed Regulated UST:**	Yes
PC No (HUB):	19991036	**Reg Petrol UST 1:**	Yes
CEDS Fac ID:	200000093723	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	12/15/1998	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	11/1/1998	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	CENTRAL FIDELITY BANK/CAR WASH		
Address :	812 JEFFERSON ST.		
City :	Lynchburg		
Zip:	24505		
County :	Lynchburg City		
RST Name (HUB):	CENTRAL FIDELITY BANK/CAR WASH		
Fac L Addr 1 (HUB):	812 JEFFERSON ST.		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24505		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	14761	**RST Response:**	
RST Fac ID:	200000093723	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	19991036	**DES First Name:**	Timothy
RST Status Ind:	Closed	**DES Last Name:**	Petrie
RST Rls Reported:	1998/11/01 00:00:00+00	**Reference Point:**	
RST Case Closed:	1998/12/15 00:00:00+00	**Latitude:**	37.4160315318056
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1401831801438
RST Rec Code:	WCRO	**X:**	-79.1401831801438
RST Priority:		**Y:**	37.4160315318056
RST Fed Reg Tank:	Yes		
RST Name:	CENTRAL FIDELITY BANK/CAR WASH		
Fac Location:	812 Jefferson St		

30	1 of1	E	0.26 / 1,373.90	535.43 / -172	**CSX TRANSPORTATION** **10th & Jefferson Sts**	LST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					Lynchburg VA 24504	

PC No :	19931501	**Fed Regulated UST:**	Yes
PC No (HUB):	19931501	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000205007	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	8/25/1994	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	2/4/1993	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No

Site Name: CSX TRANSPORTATION
Address : 10th & Jefferson Sts
City : Lynchburg
Zip: 24504
County : Lynchburg City
RST Name (HUB): CSX TRANSPORTATION
Fac L Addr 1 (HUB): 10th & Jefferson Sts
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	14228	**RST Response:**	
RST Fac ID:	200000205007	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	19931501	**DES First Name:**	Thomas
RST Status Ind:	Closed	**DES Last Name:**	Viets
RST Rls Reported:	1993/02/04 00:00:00+00	**Reference Point:**	
RST Case Closed:	1994/08/25 00:00:00+00	**Latitude:**	37.4155477123211
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1398617377823
RST Rec Code:	WCRO	**X:**	-79.1398617377823
RST Priority:	2	**Y:**	37.4155477123211
RST Fed Reg Tank:	Yes		

RST Name: CSX TRANSPORTATION
Fac Location: 10th & Jefferson Sts

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	1 of2	SE	0.27 / 1,411.89	625.74 / -82	Former White Star Steam Laundry 1209, 1213, 1217 Church Street LYNCHBURG VA	BROWNFIELDS

Property ID: 234730
Property Alias:

Cooperative Agreements or Corrective Actions Details

CA No: [Not Displayed]
CA Status: Closed
CA Name: Lynchburg Economic Development Authority
CA Type: Assessment
Announcement Year: 2015

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	2 of2	SE	0.27 / 1,411.89	625.74 / -82	Former White Star Steam Laundry 1209, 1213, 1217 Church Street LYNCHBURG VA 24501	FED BROWNFIELDS

Property ID:	234730	**County:**	LYNCHBURG CITY
Lat Measure:	37.4112593	**Latitude (Map):**	37.4112593
Long Measure:	-79.1408967	**Longitude (Map):**	-79.1408967

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Property Name:	Former White Star Steam Laundry
Address:	1209, 1213, 1217 Church Street
City:	LYNCHBURG
State Code:	VA
Zip Code:	24501
Primary Name (Map):	FORMER WHITE STAR STEAM LAUNDRY
Location Address (Map):	1209, 1213, 1217 CHURCH STREET
City Name (Map):	LYNCHBURG
County Name (Map):	LYNCHBURG CITY
State Code (Map):	VA
Postal Code (Map):	24501
Data Source:	Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)

Property Details (Cleanups in My Community)

ID No:		**Size Acres:**	.6
NFA Letter Date:		**Parcel No:**	02508003, -5, -6, -8, -9
Media Affected:	Drinking Water Air Soil	**Property Enrolled:**	Y
Media Cleaned Up:		**Radius:**	.5
Contaminants REC:	Asbestos Lead Other Metals PAHs Petroleum Products SVOCs VOCs	**Census Tract:**	51680001100
Contams Actionable:	Asbestos Lead Other Metals PAHs Petroleum Products SVOCs VOCs	**2010 # Below Poverty:**	989.
Contams < Actionble:		**2010 Below Poverty:**	33.53
Contamnts Cleanup:		**2010 Median Income:**	4373.
Tanks Removal:		**2010 No Low Income:**	1505.
Cleanup Needed:	N	**2010 Low Income:**	51.02
Cleanup Treatment:		**2010 No Vacant Hous:**	168.
Excavation Disposl:		**2010 Vacant Housing:**	13.34
Contams Extractn:		**2010 # Unemployed:**	242.
Reduc Contams:		**2010 Unemployed:**	8.2
Additional Clnup:		**Tech Capping:**	
Institutional Cleanup:	N	**Secur Guard Fence:**	
Institutional Cleanup:	N	**Immobilization:**	
Engineering Needed:	N	**Eng Barriers:**	
Eng Control:	N	**Proprietary Cntrl:**	
Additnl Inst Control:		**Info Device:**	
Additnl Eng Control:		**Govt Cntrl:**	
Inst Control Date:		**Enf Permit Tool:**	
Eng Control Date:		**Clnup Struct Remov:**	
Property Alias:			
Property Owner:	Private		
Address Source URL:			
Address Source URL:			
Address Source URL:			
Other:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	**Redev Actvy Funded:**	ACM/LBP Testing
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Sampling & Analysis Plan	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	.42
Assessmnt Start Dt:	10/06/2016	**Redev Greenspace:**	
Assessmnt Compl Dt:	10/14/2016	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	

Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Sampling & Analysis Plan
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:		***Redev Residential:***	.42
Assessmnt Start Dt:		***Redev Greenspace:***	
Assessmnt Compl Dt:		***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase I
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Sampling & Analysis Plan	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	02/10/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	06/16/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase I
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase I	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	11/21/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	03/02/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase II
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase I	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	11/21/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	03/02/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase II
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	ACM/LBP Testing	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	10/06/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	10/14/2016	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18

Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:	.3	**Subgrant Cost Shr:**	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	**Redev Actvy Funded:**	Phase II
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Sampling & Analysis Plan	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	.42
Assessmnt Start Dt:	02/10/2017	**Redev Greenspace:**	
Assessmnt Compl Dt:	06/16/2017	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:	.3	**Subgrant Cost Shr:**	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	**Redev Actvy Funded:**	Phase II
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Sampling & Analysis Plan	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	.42
Assessmnt Start Dt:	10/06/2016	**Redev Greenspace:**	
Assessmnt Compl Dt:	10/14/2016	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	

Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	ACM/LBP Testing
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	ACM/LBP Testing	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	10/06/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	10/14/2016	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Sampling & Analysis Plan
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase II	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	07/28/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	04/09/2018	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:	State/Tribal Funding (non-section 128(a))	***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	**Redev Actvy Funded:**	Sampling & Analysis Plan
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase II	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	VBAF	**Redev Residential:**	.42
Assessmnt Start Dt:	07/28/2017	**Redev Greenspace:**	
Assessmnt Compl Dt:	04/09/2018	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:	State/Tribal Funding (non-section 128(a))	**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:	.3	**Subgrant Cost Shr:**	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	**Redev Actvy Funded:**	Phase II
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase II	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	VBAF	**Redev Residential:**	.42
Assessmnt Start Dt:	07/28/2017	**Redev Greenspace:**	
Assessmnt Compl Dt:	04/09/2018	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:	State/Tribal Funding (non-section 128(a))	**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:	.3	**Subgrant Cost Shr:**	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	**Redev Actvy Funded:**	Phase II
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	ACM/LBP Testing	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	.42
Assessmnt Start Dt:	02/10/2017	**Redev Greenspace:**	
Assessmnt Compl Dt:	06/16/2017	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	

Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	ACM/LBP Testing
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:		***Redev Residential:***	.42
Assessmnt Start Dt:		***Redev Greenspace:***	
Assessmnt Compl Dt:		***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Sampling & Analysis Plan
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Sampling & Analysis Plan	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	10/06/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	10/14/2016	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		

Clnup Compet Doc2:
Climate Adapt Mitg1:
Climate Adapt Mitg2:

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase I
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	ACM/LBP Testing	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	02/10/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	06/16/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase I
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	ACM/LBP Testing	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	10/06/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	10/14/2016	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	ACM/LBP Testing
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase II	***Redev Compl date:***	

Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	VBAF	**Redev Residential:**	.42
Assessmnt Start Dt:	07/28/2017	**Redev Greenspace:**	
Assessmnt Compl Dt:	04/09/2018	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:	State/Tribal Funding (non-section 128(a))	**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:	.3	**Subgrant Cost Shr:**	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	**Redev Actvy Funded:**	Phase II
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase II	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	.42
Assessmnt Start Dt:	07/28/2017	**Redev Greenspace:**	
Assessmnt Compl Dt:	04/09/2018	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:	State/Tribal Funding (non-section 128(a))	**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:	.3	**Subgrant Cost Shr:**	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	**Redev Actvy Funded:**	ACM/LBP Testing
Program Name:	BF	**Redev Start Dt:**	
Activity Funded:	Phase I	**Redev Compl date:**	
Type CA Fund:	Petroleum	**Redev Fund Entity:**	
Funding Entity:	EPA	**Redev Residential:**	.42
Assessmnt Start Dt:	11/21/2016	**Redev Greenspace:**	
Assessmnt Compl Dt:	03/02/2017	**Redev Industrial:**	
Clnup Actvy Start Dt:		**Redev Commercial:**	.18
Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	

Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	ACM/LBP Testing
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase II	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	07/28/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	04/09/2018	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:	State/Tribal Funding (non-section 128(a))	***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Sampling & Analysis Plan
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	ACM/LBP Testing	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	02/10/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	06/16/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Sampling & Analysis Plan
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase I	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	11/21/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	03/02/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Sampling & Analysis Plan
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	ACM/LBP Testing	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	10/06/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	10/14/2016	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase I
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:		***Redev Residential:***	.42
Assessmnt Start Dt:		***Redev Greenspace:***	

Assessmnt Compl Dt:		***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	ACM/LBP Testing
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Sampling & Analysis Plan	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	02/10/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	06/16/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Sampling & Analysis Plan
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Sampling & Analysis Plan	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	02/10/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	06/16/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	

Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	ACM/LBP Testing
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	ACM/LBP Testing	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	02/10/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	06/16/2017	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase I
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase II	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	07/28/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	04/09/2018	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:	State/Tribal Funding (non-section 128(a))	***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase I
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Sampling & Analysis Plan	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	EPA	***Redev Residential:***	.42
Assessmnt Start Dt:	10/06/2016	***Redev Greenspace:***	
Assessmnt Compl Dt:	10/14/2016	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:		***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase I
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:	Phase II	***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:	VBAF	***Redev Residential:***	.42
Assessmnt Start Dt:	07/28/2017	***Redev Greenspace:***	
Assessmnt Compl Dt:	04/09/2018	***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18
Clnup Actvy Comp Dt:		***# of Redev Jobs:***	
Acres Cleaned Up:		***RLF Signed Dt:***	
Clnup Funding Src:		***RLF Intest Rate:***	
Clnup Entity Provid:		***RLF EPA Fund:***	
Signed Rpt Dt:		***RLF Cost Share:***	
Direct Clnup Tot Fnd:		***RLF Prog Income:***	
Direct Clnup Fnd Src:		***RLF Lvg Fund Src:***	
Fund Amt Expnded:		***RLF Lvg Fund Entity:***	
Source of Funding:	State/Tribal Funding (non-section 128(a))	***RLF Lvg Fund Amt:***	
Past Use Resiential:		***RLF Subgrant Signed:***	
Past Use Greenspace:		***Subgrant EPA Fund:***	
Past Use Industrial:	.3	***Subgrant Cost Shr:***	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	96339601	***Redev Actvy Funded:***	Phase II
Program Name:	BF	***Redev Start Dt:***	
Activity Funded:		***Redev Compl date:***	
Type CA Fund:	Petroleum	***Redev Fund Entity:***	
Funding Entity:		***Redev Residential:***	.42
Assessmnt Start Dt:		***Redev Greenspace:***	
Assessmnt Compl Dt:		***Redev Industrial:***	
Clnup Actvy Start Dt:		***Redev Commercial:***	.18

Clnup Actvy Comp Dt:		**# of Redev Jobs:**	
Acres Cleaned Up:		**RLF Signed Dt:**	
Clnup Funding Src:		**RLF Intest Rate:**	
Clnup Entity Provid:		**RLF EPA Fund:**	
Signed Rpt Dt:		**RLF Cost Share:**	
Direct Clnup Tot Fnd:		**RLF Prog Income:**	
Direct Clnup Fnd Src:		**RLF Lvg Fund Src:**	
Fund Amt Expnded:		**RLF Lvg Fund Entity:**	
Source of Funding:		**RLF Lvg Fund Amt:**	
Past Use Resiential:		**RLF Subgrant Signed:**	
Past Use Greenspace:		**Subgrant EPA Fund:**	
Past Use Industrial:	.3	**Subgrant Cost Shr:**	
Past Use Commercial:	.3		
Coop Agmt Recipnt:	Lynchburg Economic Development Authority		
Clnup Compet Doc2:			
Climate Adapt Mitg1:			
Climate Adapt Mitg2:			

Brownfields Details

Registry I:	110070164228	**SF EI He C:**	
EPA ID:		**SF IC Ind:**	
EPA Region:	03	**SF NPL Cod:**	
Cat No:	2080203	**SF NPL C 1:**	
RCRA Handl:		**FF SF Ind:**	
RCRA Curre:		**Map Symbol:**	B
RCRA Remed:		**Data Refre:**	04-Feb-2024
RCRA Const:		**New Site:**	
RCRA EI He:		**BF RLF Gra:**	
RCRA EI Gm:		**BF RLF Pil:**	
RCRA Rem 1:		**BF Assess :**	
RCRA Ec Gw:		**BF Cleanup:**	
RCRA Ec Ng:		**BF Tba Ind:**	
RCRA IC Ep:		**BF 128a In:**	
RCRA IC Gc:		**BF IC Code:**	N
RCRA IC ID:		**BF IC Gc I:**	U
RCRA IC Pr:		**BF IC Ep I:**	U
FF RCRA In:		**BF IC ID I:**	U
RCRA Ec Co:		**BF IC Pr I:**	U
RCRA IC Co:		**BF Assess1:**	Y
RCRA Gpra :		**BF Multipu:**	
RCRA Rem 2:		**BF Awp Ind:**	
RCRA Dru 1:		**BF Showcas:**	
SF Site ID:		**BF 128a P :**	
SF Ec Ind:		**Congressio:**	VA-05
SF EI Gm C:		**Stimulus B:**	
Ind Name:			
Cat Name:	Middle James-Buffalo		
Sub Name:	Middle James-Buffalo		
Primary Name:	FORMER WHITE STAR STEAM LAUNDRY		
RCRA Drupa:			
Repow Ref :	https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER:::::P33_REF:7556		
Url:	https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&Action=Navigate&col1=ACRES_GRANT_EXPORT.PROPERTY_ID&val1=%22234730.0%22&PortalPath=/shared/CIMC/_portal/CIMC&Page=Profile+Page		
Census Url:	https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&coords=-79.1408967%2C37.4112593&feattype=point&radius=1.0		
ACS Url:	https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&coords=-79.1408967%2C37.4112593&feattype=point&radius=1.0		

SAA Site:	
Sf Brac Ty:	
Sf Archive:	
Sf Ffdocke:	
Sf Npl C 3:	
Sf Npl C 2:	
Sf Npl C 1:	
SF Site Na:	
SF Non N 1:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SF Non N 2:	
SF Non N 3:	
SF Non Npl:	
BF Prope 1:	Former White Star Steam Laundry
RCRA Han 1:	
RCRA Rau I:	
REPOW BF:	SG
REPOW Re 1:	RE-Powering Site Profile
REPOW Ref1:	7556

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	1 of1	ESE	0.27 / 1,430.12	621.89 / -86	Danny George Property 1217 Church St Lynchburg VA 24504	LST

PC No :	20232020	**Fed Regulated UST:**	No
PC No (HUB):	20232020	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000895277	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	9/19/2022	**Exmpt2 Ht Oil UST2:**	Yes
Release Reported:	7/6/2022	**Small Ht Oil AST 2:**	No
Heat Oil Category:	Category 1	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Danny George Property		
Address :	1217 Church St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Danny George Property		
Fac L Addr 1 (HUB):	1217 Church St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	51727	**RST Response:**	
RST Fac ID:	200000895277	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20232020	**DES First Name:**	Robert
RST Status Ind:	Closed	**DES Last Name:**	Howard
RST Rls Reported:	2022/07/06 00:00:00+00	**Reference Point:**	PG
RST Case Closed:	2022/09/19 00:00:00+00	**Latitude:**	37.4112518133519
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1406663030867
RST Rec Code:	WCRO	**X:**	-79.1406663030867
RST Priority:	3	**Y:**	37.4112518133519
RST Fed Reg Tank:	N		
RST Name:	Danny George Property		
Fac Location:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	1 of1	WNW	0.28 / 1,475.57	712.13 / 4	Dennis McCain TV Repair Shop 704 5th St Lynchburg VA	LST

PC No :	19990748	**Fed Regulated UST:**	No
PC No (HUB):	19990748	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000206465	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	4/27/2000	**Exmpt2 Ht Oil UST2:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release Reported:	6/30/1999	**Small Ht Oil AST 2:**	Yes
Heat Oil Category:	Category 3	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Dennis McCain TV Repair Shop		
Address :	704 5th St		
City :	Lynchburg		
Zip:			
County :	Lynchburg City		
RST Name (HUB):	Dennis McCain TV Repair Shop		
Fac L Addr 1 (HUB):	704 5th St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):			
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	20275	**RST Response:**	
RST Fac ID:	200000206465	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	19990748	**DES First Name:**	John
RST Status Ind:	Closed	**DES Last Name:**	Devilbiss
RST RIs Reported:	1999/06/30 00:00:00+00	**Reference Point:**	
RST Case Closed:	2000/04/27 00:00:00+00	**Latitude:**	37.4152534277272
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1497980390726
RST Rec Code:	WCRO	**X:**	-79.1497980390726
RST Priority:	1	**Y:**	37.4152534277272
RST Fed Reg Tank:	N		
RST Name:	Dennis McCain TV Repair Shop		
Fac Location:	704 5th St		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	1 of1	SW	0.28 / 1,490.22	711.15 / 3	Massie Lonnie Residence 911 Jackson St Lynchburg VA 24504	LST

PC No :	20112015	**Fed Regulated UST:**	No
PC No (HUB):	20112015	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000853907	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	9/10/2010	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	7/23/2010	**Small Ht Oil AST 2:**	Yes
Heat Oil Category:	Category 2	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Massie Lonnie Residence		
Address :	911 Jackson St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Massie Lonnie Residence		
Fac L Addr 1 (HUB):	911 Jackson St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	33779	**RST Response:**	
RST Fac ID:	200000853907	**RST Responsibi Ind:**	RP Lead

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RST Poll Cmplt No:	20112015	**DES First Name:**	Donald
RST Status Ind:	Closed	**DES Last Name:**	Edge
RST Rls Reported:	2010/07/23 00:00:00+00	**Reference Point:**	
RST Case Closed:	2010/09/10 00:00:00+00	**Latitude:**	37.4107085956599
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1483671252329
RST Rec Code:	WCRO	**X:**	-79.1483671252329
RST Priority:	3	**Y:**	37.4107085956599
RST Fed Reg Tank:	N		
RST Name:	Massie Lonnie Residence		
Fac Location:			

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35 | ***1 of1*** | ***SW*** | ***0.30 / 1,601.17*** | ***742.93 / 35*** | ***Jennings Barbara Residence
1015 Jackson St
Lynchburg VA 24504*** | ***LST***

PC No :	20102222	**Fed Regulated UST:**	No
PC No (HUB):	20102222	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000853455	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	8/9/2010	**Exmpt2 Ht Oil UST2:**	Yes
Release Reported:	5/6/2010	**Small Ht Oil AST 2:**	No
Heat Oil Category:	Category 2	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Jennings Barbara Residence		
Address :	1015 Jackson St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Jennings Barbara Residence		
Fac L Addr 1 (HUB):	1015 Jackson St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	33411	**RST Response:**	
RST Fac ID:	200000853455	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20102222	**DES First Name:**	David
RST Status Ind:	Closed	**DES Last Name:**	Kirby
RST Rls Reported:	2010/05/06 00:00:00+00	**Reference Point:**	
RST Case Closed:	2010/08/09 00:00:00+00	**Latitude:**	37.4097291498863
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1477582129973
RST Rec Code:	WCRO	**X:**	-79.1477582129973
RST Priority:		**Y:**	37.4097291498863
RST Fed Reg Tank:	N		
RST Name:	Jennings Barbara Residence		
Fac Location:	1015 Jackson St		

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36 | ***1 of1*** | ***WNW*** | ***0.31 / 1,627.67*** | ***715.79 / 8*** | ***Former Lawrence Market
717 Fifth Street
Lynchburg VA 24504*** | ***LST***

PC No :	20057021	**Fed Regulated UST:**	Yes
PC No (HUB):	20057021	**Reg Petrol UST 1:**	Yes
CEDS Fac ID:	200000217247	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	10/7/2004	**Exmpt2 Ht Oil UST2:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release Reported:	9/30/2004	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Former Lawrence Market		
Address :	717 Fifth Street		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Former Lawrence Market		
Fac L Addr 1 (HUB):	717 Fifth Street		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	24369	**RST Response:**	
RST Fac ID:	200000217247	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20057021	**DES First Name:**	Joey
RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST RIs Reported:	2004/09/30 00:00:00+00	**Reference Point:**	
RST Case Closed:	2004/10/07 00:00:00+00	**Latitude:**	37.4153082550954
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1506526611996
RST Rec Code:	WCRO	**X:**	-79.1506526611996
RST Priority:	3	**Y:**	37.4153082550954
RST Fed Reg Tank:	Yes		
RST Name:	Former Lawrence Market		
Fac Location:	717 Fifth Street		

37	**1 of1**	**ESE**	**0.33 / 1,743.42**	**581.56 / -126**	**CityScape LLC 1220 Commerce St 1220 Commerce St Lynchburg VA 24504**	**LST**

PC No :	20152033	**Fed Regulated UST:**	No
PC No (HUB):	20152033	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000878639	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	8/5/2014	**Exmpt2 Ht Oil UST2:**	Yes
Release Reported:	7/30/2014	**Small Ht Oil AST 2:**	No
Heat Oil Category:	NFA	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	CityScape LLC 1220 Commerce St		
Address :	1220 Commerce St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	CityScape LLC 1220 Commerce St		
Fac L Addr 1 (HUB):	1220 Commerce St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	40171	**RST Response:**	
RST Fac ID:	200000878639	**RST Responsibi Ind:**	RP Lead

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RST Poll Cmplt No:	20152033	**DES First Name:**	Joey
RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST RIs Reported:	2014/07/30 00:00:00+00	**Reference Point:**	
RST Case Closed:	2014/08/05 00:00:00+00	**Latitude:**	37.412419846127
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1385854743087
RST Rec Code:	WCRO	**X:**	-79.1385854743087
RST Priority:	3	**Y:**	37.412419846127
RST Fed Reg Tank:	N		
RST Name:	CityScape LLC 1220 Commerce St		
Fac Location:			

38	1 of1	W	0.33 / 1,750.73	719.38 / 12	**Former 5th Street Exxon** **801 5th Street** **Lynchburg VA 24504**	LST

PC No :	20057092	**Fed Regulated UST:**	Yes
PC No (HUB):	20057092	**Reg Petrol UST 1:**	Yes
CEDS Fac ID:	200000221450	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	2/21/2006	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	6/21/2005	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Former 5th Street Exxon		
Address :	801 5th Street		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Former 5th Street Exxon		
Fac L Addr 1 (HUB):	801 5th Street		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	25533	**RST Response:**	
RST Fac ID:	200000221450	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20057092	**DES First Name:**	Joey
RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST RIs Reported:	2005/06/21 00:00:00+00	**Reference Point:**	
RST Case Closed:	2006/02/21 00:00:00+00	**Latitude:**	37.4150598870247
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.151056557226
RST Rec Code:	WCRO	**X:**	-79.151056557226
RST Priority:	2	**Y:**	37.4150598870247
RST Fed Reg Tank:	Yes		
RST Name:	Former 5th Street Exxon		
Fac Location:	801 5th Street		

39	1 of1	E	0.35 / 1,824.44	498.54 / -209	**CSX Crude Oil Derailment** **Lynchburg** **4 9th St** **Lynchburg VA 24504**	LST

PC No :	20142395	**Fed Regulated UST:**	No
PC No (HUB):	20142395	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000875729	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Case Closed Date:	11/5/2015	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	4/30/2014	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No

Site Name: CSX Crude Oil Derailment Lynchburg
Address : 4 9th St
City : Lynchburg
Zip: 24504
County : Lynchburg City
RST Name (HUB): CSX Crude Oil Derailment Lynchburg
Fac L Addr 1 (HUB): 4 9th St
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type: Yes
Oth Tank Type Desc: Rail Tank Car 31780 Gallons
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	39743	**RST Response:**	
RST Fac ID:	200000875729	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20142395	**DES First Name:**	Joey
RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST RIs Reported:	2014/04/30 00:00:00+00	**Reference Point:**	
RST Case Closed:	2015/11/05 00:00:00+00	**Latitude:**	37.4154274633145
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1382914054105
RST Rec Code:	WCRO	**X:**	-79.1382914054105
RST Priority:	1	**Y:**	37.4154274633145
RST Fed Reg Tank:	N		

RST Name: CSX Crude Oil Derailment Lynchburg
Fac Location:

40	1 of1	W	0.35 / 1,859.63	724.17 / 16	**Adams Motor Co Storage Lot at 407 Jackson St 813 Fifth Street Lynchburg VA 24504**	LST

PC No :	20057091	**Fed Regulated UST:**	Yes
PC No (HUB):	20057091	**Reg Petrol UST 1:**	Yes
CEDS Fac ID:	200000080924	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	7/30/2009	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	6/16/2005	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No

Site Name: Adams Motor Co Storage Lot at 407 Jackson St
Address : 813 Fifth Street
City : Lynchburg
Zip: 24504
County : Lynchburg City
RST Name (HUB): Adams Motor Co Storage Lot at 407 Jackson St
Fac L Addr 1 (HUB): 813 Fifth Street
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RST ID:	25521	**RST Response:**	
RST Fac ID:	200000080924	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20057091	**DES First Name:**	Joey
RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST Rls Reported:	2005/06/16 00:00:00+00	**Reference Point:**	
RST Case Closed:	2009/07/30 00:00:00+00	**Latitude:**	37.4150538109321
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1522121688722
RST Rec Code:	WCRO	**X:**	-79.1522121688722
RST Priority:	2	**Y:**	37.4150538109321
RST Fed Reg Tank:	Yes		
RST Name:	Adams Motor Co Storage Lot at 407 Jackson St		
Fac Location:	813 Fifth Street		

41	1 of2	N	0.36 / 1,880.62	541.72 / -166	**Lynchburg Manufactured Gas Plant** **Lynchburg VA 24504**	VRP

VRP No:	VRP00169	**Size Acres:**	5
Rpm Full Name:		**County:**	Campbell County
Site Type:	MGP	**Point X:**	-79.1447857739605
Region:	Blue Ridge	**Point Y:**	37.4195043332715
Eligibility Notes:	RPM:Ingrid Stenbjorn		
Phase 3 Billing Determination:			
Primary Status Name:	Certificate Issued		
Exclude from Phase 3 Billing:	0		
Secondary Status Name:	Refer to Certificate Status		
Remedtn Summary and Notes:			
Secondary Status Description:	See Certificate tab for additional status information		
Nature and Extent of Contamin:			
Areas of Concern:			
Offsite Organics:			
Offsite Inorganics:			
Offsite Notes:			
Onsite Organics:	Coal tar constituents, incl. benzene, ethylbenz		
Onsite Inorganics:			
Onsite Notes:			
Alt Address Desc:	Corner of Stonewall and Blackwater Sts		
Notes:			

Former manufactured gas plant. City of Lynchburg is putting in a sewer line that will run along the southern perimeter of CGSI's property. 07/01/96 - Site visit. Sewer line installation nearing the site. 07/12/96 - WCRO letter authorizing backfilling of excavated soils from the sewer installation trench. 07/24/96 - scheduled commencement of sewer installation along site. 5/27/97 - Transfer case manager from KPM to IS. VRP Agreement executed 6/25/97. Site Characterization/Remedial Action Work Plan submitted 8/97. Changed name to Columbia Gas of VA 1/16/98. Last Action Date: 10/6/1998 Last Action Description: Review draft Certificat Next Step: Await RP Action Pending Since: 10/6/1998 Due By:

Contact(s)

Organization:	Columbia Gas of Virginia
Street 1:	P.O. Box 35674
Street 2:	
Unit:	
City:	Richmond
State:	VA
Country:	US
Zipcode:	
Zipcode4:	
Primary Phone:	8043235480
Alternate Phone:	
Fax No:	
Prefix:	
Full Name:	George S. Kosko
Suffix:	
Title:	Environmental Compliance Administrator
Email:	
Contact Type List:	Participant

Billing Recipient: No

Organization: Columbia Gas of Virginia
Street 1:
Street 2:
Unit:
City:
State: VA
Country:
Zipcode:
Zipcode4:
Primary Phone:
Alternate Phone:
Fax No:
Prefix:
Full Name:
Suffix:
Title:
Email:
Contact Type List: Owner
Billing Recipient: No

Organization: Haley & Aldrich, Inc.
Street 1: 1 Park West Cir
Street 2:
Unit: STE 208
City: Midlothian
State: VA
Country: US
Zipcode: 23114
Zipcode4:
Primary Phone: 8043308990
Alternate Phone:
Fax No:
Prefix:
Full Name: Montgomery Bennett
Suffix: PG
Title:
Email: MBennett@haleyaldrich.com
Contact Type List: Consultant
Billing Recipient: No

Organization: Commonwealth Gas Services
Street 1: 200 Civic Center Dr
Street 2: P.O. Box 117
Unit:
City: Columbus
State: OH
Country: US
Zipcode: 43216
Zipcode4: 0117
Primary Phone: 6144604663
Alternate Phone:
Fax No:
Prefix:
Full Name: John L. Shailer
Suffix:
Title: Senior Attorney
Email:
Contact Type List: Counsel
Billing Recipient: No

Certificate(s)

Certificate Type: VRP Certificate
Certificate Status: Recordation On File
Issued Date: 10/22/1998
Instrument No: 9347
Date Recorded: 11/3/1998
Recordatn Deadline: 1/20/1999
Site Acreage:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Comments:

Event(s)

Description: Site Enrolled Date
Due Date:
Completed Date: 6/27/1996
Comments:

Description: Application Received
Due Date:
Completed Date: 5/13/1996
Comments:

Description: Notification of Eligibility
Due Date:
Completed Date: 6/27/1996
Comments:

Restriction Document(s)

Instrument No: 9347
Document Type: Declaration
Document Date: 10/22/1998
Comments:
Recordatn Deadline:
Date Recorded: 11/3/1998

Contaminant(s)

Contaminant Name: Solvents / Degreasers

41	2 of2	N	0.36 / 1,880.62	541.72 / -166	Lynchburg Manufactured Gas Plant Lynchburg VA 24504	INST

VRP No: VRP00169
Rpm Full Name:
Site Type: MGP
Region: Blue Ridge
Size Acres: 5
County: Campbell County
Point X: -79.1447857739605
Point Y: 37.4195043332715
Eligibility Notes: RPM:Ingrid Stenbjorn
Phase 3 Billing Determination:
Primary Status Name: Certificate Issued
Exclude from Phase 3 Billing: 0
Secondary Status Name: Refer to Certificate Status
Remedtn Summary and Notes:
Secondary Status Description: See Certificate tab for additional status information
Nature and Extent of Contamin:
Areas of Concern:
Offsite Organics:
Offsite Inorganics:
Offsite Notes:
Onsite Organics: Coal tar constituents, incl. benzene, ethylbenz
Onsite Inorganics:
Onsite Notes:
Alt Address Desc: Corner of Stonewall and Blackwater Sts
Notes:

Former manufactured gas plant. City of Lynchburg is putting in a sewer line that will run along the southern perimeter of CGSI's property. 07/01/96 - Site visit. Sewer line installation nearing the site. 07/12/96 - WCRO letter authorizing backfilling of excavated soils from the sewer installation trench. 07/24/96 - scheduled commencement of sewer installation along site. 5/27/97 - Transfer case manager from KPM to IS. VRP Agreement executed 6/25/97. Site Characterization/Remedial Action Work Plan submitted 8/97. Changed name to Columbia Gas of VA 1/16/98. Last Action Date: 10/6/1998 Last Action Description: Review draft Certificat Next Step: Await RP Action Pending Since: 10/6/1998 Due By:

Contact(s)

Organization:	Columbia Gas of Virginia
Street 1:	
Street 2:	
Unit:	
City:	
State:	VA
Country:	
Zipcode:	
Zipcode4:	
Primary Phone:	
Alternate Phone:	
Fax No:	
Prefix:	
Full Name:	
Suffix:	
Title:	
Email:	
Contact Type List:	Owner
Billing Recipient:	No

Organization:	Columbia Gas of Virginia
Street 1:	P.O. Box 35674
Street 2:	
Unit:	
City:	Richmond
State:	VA
Country:	US
Zipcode:	
Zipcode4:	
Primary Phone:	8043235480
Alternate Phone:	
Fax No:	
Prefix:	
Full Name:	George S. Kosko
Suffix:	
Title:	Environmental Compliance Administrator
Email:	
Contact Type List:	Participant
Billing Recipient:	No

Organization:	Commonwealth Gas Services
Street 1:	200 Civic Center Dr
Street 2:	P.O. Box 117
Unit:	
City:	Columbus
State:	OH
Country:	US
Zipcode:	43216
Zipcode4:	0117
Primary Phone:	6144604663
Alternate Phone:	
Fax No:	
Prefix:	
Full Name:	John L. Shailer
Suffix:	
Title:	Senior Attorney
Email:	
Contact Type List:	Counsel
Billing Recipient:	No

Organization:	Haley & Aldrich, Inc.
Street 1:	1 Park West Cir
Street 2:	
Unit:	STE 208
City:	Midlothian
State:	VA
Country:	US

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Zipcode: 23114
Zipcode4:
Primary Phone: 8043308990
Alternate Phone:
Fax No:
Prefix:
Full Name: Montgomery Bennett
Suffix: PG
Title:
Email: MBennett@haleyaldrich.com
Contact Type List: Consultant
Billing Recipient: No

Certificate(s)

Certificate Type: VRP Certificate
Certificate Status: Recordation On File
Issued Date: 10/22/1998
Instrument No: 9347
Comments:
Date Recorded: 11/3/1998
Recordatn Deadline: 1/20/1999
Site Acreage:

Event(s)

Description: Site Enrolled Date
Due Date:
Completed Date: 6/27/1996
Comments:

Description: Application Received
Due Date:
Completed Date: 5/13/1996
Comments:

Description: Notification of Eligibility
Due Date:
Completed Date: 6/27/1996
Comments:

Restriction Document(s)

Instrument No: 9347
Document Type: Declaration
Document Date: 10/22/1998
Comments:
Recordatn Deadline:
Date Recorded: 11/3/1998

Contaminant(s)

Contaminant Name: Solvents / Degreasers

Restrictions

Condition Name: Residential

Condition Name: Excavation

Condition Name: Groundwater

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
42	1 of1	SSE	0.36 / 1,924.89	703.15 / -5	Drew Loring Residence 501 Washington St Lynchburg VA 24504	LST

PC No : 20172225
Fed Regulated UST: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

PC No (HUB):	20172225	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000884523	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	7/26/2017	**Exmpt2 Ht Oil UST2:**	Yes
Release Reported:	2/23/2017	**Small Ht Oil AST 2:**	No
Heat Oil Category:	Category 1	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Drew Loring Residence		
Address :	501 Washington St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Drew Loring Residence		
Fac L Addr 1 (HUB):	501 Washington St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	44514	**RST Response:**	
RST Fac ID:	200000884523	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20172225	**DES First Name:**	Joey
RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST RIs Reported:	2017/02/23 00:00:00+00	**Reference Point:**	PG
RST Case Closed:	2017/07/26 00:00:00+00	**Latitude:**	37.4092459996715
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1415269996217
RST Rec Code:	WCRO	**X:**	-79.1415269996217
RST Priority:	3	**Y:**	37.4092459996715
RST Fed Reg Tank:	N		
RST Name:	Drew Loring Residence		
Fac Location:			

43	1 of6	NE	0.38 / 1,988.39	509.38 / -198	**GRIFFIN PIPE PRODUCTS CO.** **10 ADAMS STREET** **LYNCHBURG VA 24504**	**RCRA CORRACTS**

EPA Handler ID:	VAD065417008
Gen Status Universe:	Large Quantity Generator
Contact Name:	J. NICOLE PAYNOTTA
Contact Address:	10 , ADAMS STREET , , LYNCHBURG , VA, 24504 , US
Contact Phone No and Ext:	434-522-4753
Contact Email:	NPAYNOTTA@USPIPE.COM
Contact Country:	US
County Name:	LYNCHBURG CITY
EPA Region:	03
Land Type:	Private
Receive Date:	20220225
Location Latitude:	37.418506
Location Longitude:	-79.140283

Event/Area Details

Area Name:	ENTIRE FACILITY
Event Code:	CA141RQ
Corrective Action Event Descri:	RFI WORKPLAN EXTENSION REQUEST RECEIVED
Actual Date of Event:	20071206
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20071206

Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA750YE
Corrective Action Event Descri: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 20110926
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20110926
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA141AP
Corrective Action Event Descri: RFI WORKPLAN EXTENSION APPROVED
Actual Date of Event: 20080924
Orig Sched Event Date: 20081024
New Sched Event Date:
Best Date: 20080924
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA772EP
Corrective Action Event Descri: INSTITUTIONAL CONTROLS ESTABLISHED-ENFORCEMENT AND PERMIT TOOLS
Actual Date of Event: 20170915
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20170915
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA020
Corrective Action Event Descri: ACKNOWLEDGEMENT LETTER SENT
Actual Date of Event: 20081125
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20081125
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA400
Corrective Action Event Descri: REMEDY DECISION
Actual Date of Event: 20170915
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20170915
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:

Event Responsible Agency:	S
Area Name:	ENTIRE FACILITY
Event Code:	CA800YE
Corrective Action Event Descri:	READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE
Actual Date of Event:	20170915
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20170915
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S
Area Name:	ENTIRE FACILITY
Event Code:	CA110
Corrective Action Event Descri:	INVESTIGATION WORKPLAN RECEIVED
Actual Date of Event:	20090814
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20090814
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S
Area Name:	ENTIRE FACILITY
Event Code:	CA020
Corrective Action Event Descri:	ACKNOWLEDGEMENT LETTER SENT
Actual Date of Event:	20090308
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20090308
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S
Area Name:	ENTIRE FACILITY
Event Code:	CAM790
Corrective Action Event Descri:	
Actual Date of Event:	20190827
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20190827
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	E
Area Name:	ENTIRE FACILITY
Event Code:	CA155
Corrective Action Event Descri:	INVESTIGATION SUPPLEMENTAL INFO REQ BY AGENCY
Actual Date of Event:	20081212
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20081212
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S
Area Name:	ENTIRE FACILITY
Event Code:	CA750IN

Corrective Action Event Descri:	RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date of Event:	20080911
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20080911
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA550RC
Corrective Action Event Descri:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date of Event:	20170915
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20170915
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA020
Corrective Action Event Descri:	ACKNOWLEDGEMENT LETTER SENT
Actual Date of Event:	20080506
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20080506
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA160
Corrective Action Event Descri:	INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Actual Date of Event:	20090317
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20090317
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA110
Corrective Action Event Descri:	INVESTIGATION WORKPLAN RECEIVED
Actual Date of Event:	20080505
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20080505
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA141AP
Corrective Action Event Descri:	RFI WORKPLAN EXTENSION APPROVED
Actual Date of Event:	20071211
Orig Sched Event Date:	
New Sched Event Date:	

Best Date: 20071211
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA141RQ
Corrective Action Event Descri: RFI WORKPLAN EXTENSION REQUEST RECEIVED
Actual Date of Event: 20080922
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080922
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA080
Corrective Action Event Descri: MISC. REPORT SUBMITTED
Actual Date of Event: 20080205
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080205
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA150
Corrective Action Event Descri: INVESTIGATION WORKPLAN APPROVED
Actual Date of Event: 20120223
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20120223
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA050
Corrective Action Event Descri: RFA COMPLETED
Actual Date of Event: 19851007
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19851007
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA100
Corrective Action Event Descri: INVESTIGATION IMPOSITION
Actual Date of Event: 20080910
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080910
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:

Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA772ID
Corrective Action Event Descri: INSTITUTIONAL CONTROLS ESTABLISHED-INFORMATIONAL DEVICE
Actual Date of Event: 20170915
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20170915
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA140
Corrective Action Event Descri: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Actual Date of Event: 20080808
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080808
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA725YE
Corrective Action Event Descri: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 20110909
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20110909
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA160
Corrective Action Event Descri: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Actual Date of Event: 20080808
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080808
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA725IN
Corrective Action Event Descri: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date of Event: 20080911
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080911
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY

Event Code: CA141AP
Corrective Action Event Descri: RFI WORKPLAN EXTENSION APPROVED
Actual Date of Event: 20080402
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080402
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA020
Corrective Action Event Descri: ACKNOWLEDGEMENT LETTER SENT
Actual Date of Event: 20081030
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20081030
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA160
Corrective Action Event Descri: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Actual Date of Event: 20081029
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20081029
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA141RQ
Corrective Action Event Descri: RFI WORKPLAN EXTENSION REQUEST RECEIVED
Actual Date of Event: 20080401
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080401
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA193
Corrective Action Event Descri: RFI REPORT APPROVED
Actual Date of Event: 20110719
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20110719
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA160
Corrective Action Event Descri: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Actual Date of Event: 20090714
Orig Sched Event Date:

New Sched Event Date:
Best Date: 20090714
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA160
Corrective Action Event Descri: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Actual Date of Event: 20081121
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20081121
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA770NG
Corrective Action Event Descri: ENGINEERING CONTROLS ESTABLISHED-NON-GROUNDWATER CONTROL
Actual Date of Event: 20170915
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20170915
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA020
Corrective Action Event Descri: ACKNOWLEDGEMENT LETTER SENT
Actual Date of Event: 20080207
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080207
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA020
Corrective Action Event Descri: ACKNOWLEDGEMENT LETTER SENT
Actual Date of Event: 20090820
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20090820
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA150
Corrective Action Event Descri: INVESTIGATION WORKPLAN APPROVED
Actual Date of Event: 20090901
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20090901
Groundwater Release Indicator:
Soil Release Indicator:

Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 20170406
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20170406
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA020
Corrective Action Event Descri: ACKNOWLEDGEMENT LETTER SENT
Actual Date of Event: 20090318
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20090318
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA075LO
Corrective Action Event Descri: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date of Event: 19911201
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19911201
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA170
Corrective Action Event Descri: INVESTIGATION SUPPLEMENTAL INFO DEEMED SATISFACT
Actual Date of Event: 20090723
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20090723
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Oct, 2023.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C

Violation Determined Date: 20120412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20120412
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 20120507
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20120412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20120412
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 20120507
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20100305
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20101102
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20101102
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

Final Amount: 8000
Paid Amount:

Enforcement Type: 122
Enforcement Type Description: Referral to Enforcement
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 208
Enforcement Type Description: INITIAL PROPOSED CONSENT ORDER
Enforcement Action Date: 20100630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 10200
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 209
Enforcement Type Description: REVISED PROPOSED CONSENT ORDER
Enforcement Action Date: 20100917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 8000
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 20100305
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20101102
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 122
Enforcement Type Description: Referral to Enforcement
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20101102
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 8000
Paid Amount:

Enforcement Type: 208
Enforcement Type Description: INITIAL PROPOSED CONSENT ORDER
Enforcement Action Date: 20100630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 10200
Final Amount:
Paid Amount:

Enforcement Type: 209
Enforcement Type Description: REVISED PROPOSED CONSENT ORDER
Enforcement Action Date: 20100917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 8000
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20070815
Scheduled Compliance Date: 20070918
Return to Compliance: Documented
Actual Return to Compl: 20070917
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 119
Enforcement Type Description: INSPECTOR FACT FINDING LETTER - Warning letter
Enforcement Action Date: 20070828
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20020710
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20050105
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20050105
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 48730
Paid Amount:

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20030630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20020710
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20050105
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20030630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20050105
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 48730

Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 9 VAC 20-60-600.E
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980327
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 9 VAC 20-60-370.E.1.e
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980327
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes

Citation:
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980417
Violation Responsible Agency: EPA

Violation Details

Found Violation: Yes
Citation: SR - VHWMR G.4.E.1.d
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950511
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 9.8.E.
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950511
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 6.4.E.1.e
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C

Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950421
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 10.3.D.
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950511
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR PARTS X & XI
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Violation Type: 265.Q
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950313
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 10.3.C
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D
Violation Determined Date: 19930817
Scheduled Compliance Date: 19931015
Return to Compliance: Observed
Actual Return to Compl: 19931217
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19930817
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 10.3.D.4
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D
Violation Determined Date: 19920409
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19920514
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Closure/Post-Closure
Violation Type: 264.G
Violation Determined Date: 19911231
Scheduled Compliance Date: 19910711
Return to Compliance: Unverifiable
Actual Return to Compl: 20000101
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19900614
Scheduled Compliance Date: 19901012
Return to Compliance: Observed
Actual Return to Compl: 19920514
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19900614
Scheduled Compliance Date: 19901012
Return to Compliance: Observed
Actual Return to Compl: 19920409
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19880331
Scheduled Compliance Date: 19880810
Return to Compliance: Observed
Actual Return to Compl: 19881229
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880623
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19871026
Scheduled Compliance Date: 19871201
Return to Compliance: Observed
Actual Return to Compl: 19881229
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19871029
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20220331
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170228
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20120412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20120412
Evaluation Agency: State

Evaluation Start Date: 20120412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20120412
Evaluation Agency: State

Evaluation Start Date: 20101102
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: FACILITY SELF DISCLOSURE
Violation Short Description: LDR - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: FACILITY SELF DISCLOSURE
Violation Short Description: Generators - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: LDR - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20071204
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20070815
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20070917
Evaluation Agency: State

Evaluation Start Date: 20070215
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20060125
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20050105
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20050105
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20040826
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020801
Evaluation Type Description: FINANCIAL RECORD REVIEW

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020710
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020710
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20010117
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20000914
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19991216
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990804
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990302
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 19980417
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19980327
Evaluation Agency: State

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980121
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970805
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970123
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960916
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960411
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960410
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Return to Compliance Date: 19950313
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19950421
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19950511
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19950511
Evaluation Agency: State

Evaluation Start Date: 19950106
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19940524
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19930817
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19931217
Evaluation Agency: State

Evaluation Start Date: 19930126
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19921028
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920514
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920409
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19920514
Evaluation Agency: State

Evaluation Start Date: 19900625
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19920409
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Closure/Post-Closure
Return to Compliance Date: 20000101
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19920514
Evaluation Agency: State

Evaluation Start Date: 19890508
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890508
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890418
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880331
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19881229
Evaluation Agency: State

Evaluation Start Date: 19880331
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - General
Return to Compliance Date: 19881229
Evaluation Agency: State

Evaluation Start Date: 19871026
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19881229
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800818
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Part A

Waste Code Details

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900301
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920220
Handler Name: GRIFFIN PIPE PRODUCTS COMPANY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940202
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960222
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19980701
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20010315
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20040204
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT

SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20060210
Handler Name: GRIFFIN PIPE PRODUCTS CO. INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20080229
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004,

AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100311
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20120312
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: U075
Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 2

Receive Date: 20140226
Handler Name: GRIFFIN PIPE PRODUCTS CO., LLC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Part A

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: U075
Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20140404
Handler Name: GRIFFIN PIPE PRODUCTS CO, LLC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: U075

Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20160224
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20180126
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20200212
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20220225
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	10
Type:	Private	***Street 1:***	ADAMS STREET
Name:	GRIFFIN PIPE PRODUCTS CO.	***Street 2:***	
Date Became Current:	20140127	***City:***	LYNCHBURG
Date Ended Current:		***State:***	VA
Phone:	434-522-4753	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	24504

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GRIFFIN PIPE PRODUCTS CO.	***Street 2:***	
Date Became Current:	19720222	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	P.O. BOX 740
Name:	GRIFFIN PIPE PRODUCTS CO. INC.	***Street 2:***	
Date Became Current:	19720222	***City:***	LYNCHBURG
Date Ended Current:		***State:***	VA
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	24505

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GRIFFIN PIPE PRODUCTS	***Street 2:***	
Date Became Current:	19710101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	1400 OPUS PLACE SUITE 700

Name:	AMSTED INDUSTRIES INC.	**Street 2:**	
Date Became Current:		**City:**	DOWNERS GROVE
Date Ended Current:		**State:**	IL
Phone:	312-645-1700	**Country:**	
Source Type:	Part A	**Zip Code:**	60515
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	20051001	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	1011
Type:	Private	**Street 1:**	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	SUITE 550
Date Became Current:	20051001	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60532
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3700 PRUDENTIAL PLAZA
Name:	AMSTED INDUSTRIES INC	**Street 2:**	
Date Became Current:		**City:**	CHICAGO
Date Ended Current:		**State:**	IL
Phone:	312-645-1700	**Country:**	
Source Type:	Notification	**Zip Code:**	60601
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS CO. INC.	**Street 2:**	
Date Became Current:	19720222	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	1400
Type:	Private	**Street 1:**	OPUS PLACE, SUITE 700
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	DOWNERS GROVE
Date Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	60515
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	20051001	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Part A	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS CO., LLC	**Street 2:**	
Date Became Current:	19710101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Part A	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	10
Type:	Private	**Street 1:**	ADAMS STREET
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	24504

Owner/Operator Ind:	Current Owner	**Street No:**	1011
Type:	Private	**Street 1:**	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	SUITE 550
Date Became Current:	19710101	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60532

Owner/Operator Ind:	Current Owner	**Street No:**	1011
Type:	Private	**Street 1:**	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS CO., LLC	**Street 2:**	SUITE 550
Date Became Current:	20140127	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60532

Owner/Operator Ind:	Current Owner	**Street No:**	511
Type:	Private	**Street 1:**	EAST JOHN CARPENTER FREEWAY
Name:	FORTERRA INC.	**Street 2:**	6TH FLOOR
Date Became Current:	20160416	**City:**	IRVING
Date Ended Current:		**State:**	TX
Phone:	469-458-7973	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	75062

Owner/Operator Ind:	Current Owner	**Street No:**	1011
Type:	Private	**Street 1:**	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	SUITE 550
Date Became Current:	20051001	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Part A	**Zip Code:**	60532

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	11011 WARRINVILLE RD
Name:	GRIFFIN PIPE PRODUCTS CO., LLC	**Street 2:**	
Date Became Current:	19710101	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Part A	**Zip Code:**	60532

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS COMPANY	**Street 2:**	
Date Became Current:	20140127	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	205 N. MICHIGAN AVE
Name:	AMSTED INDUSTRIES, INC.	**Street 2:**	
Date Became Current:	19720222	**City:**	CHICAGO
Date Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	60601

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	

Date Ended Current: **State:**
Phone: **Country:** US
Source Type: Annual/Biennial Report update with Notification **Zip Code:**

Historical Handler Details

Receive Dt: 20200212
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20180126
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20160224
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20140404
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO, LLC

Receive Dt: 20140226
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO., LLC

Receive Dt: 20120312
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 20100311
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 20080229
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 20060210
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO. INC.

Receive Dt: 20040204
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20010315
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 19980701
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 19960222
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19940202
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19920220
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS COMPANY

Receive Dt: 19900301
Generator Code Description: Large Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 19801119
Generator Code Description: Not a Generator, Verified
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19800818
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	2 of6	NE	0.38 / 1,988.39	509.38 / -198	GRIFFIN PIPE PRODUCTS CO 10 Adams St Lynchburg VA 24504	LST

PC No : 19910122
PC No (HUB): 19910122
CEDS Fac ID: 200000083038
Program: RP Lead
Region: BRRO-R
Case Status: Closed
Case Closed Date: 1/24/2019
Release Reported: 7/27/1990
Heat Oil Category:
Unknown Tank Type: No
Site Name: GRIFFIN PIPE PRODUCTS CO
Address : 10 Adams St
City : Lynchburg
Zip: 24504
County : Lynchburg City
RST Name (HUB): GRIFFIN PIPE PRODUCTS CO
Fac L Addr 1 (HUB): 10 Adams St
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Fed Regulated UST: No
Reg Petrol UST 1: No
Excluded UST 1: No
Deferred UST 1: No
Partial Defr UST 1: No
Exmpt 1 UST 2: No
Exmpt2 Ht Oil UST2: No
Small Ht Oil AST 2: No
Regulated AST3: Yes
Unregulated AST3: No

Data Hub - Petroleum Releases Geodatabase Details

RST ID: 13925
RST Fac ID: 200000083038
RST Poll Cmplt No: 19910122
RST Status Ind: Closed
RST Rls Reported: 1990/07/27 00:00:00+00
RST Case Closed: 2019/01/24 00:00:00+00
RST Suspect Cnfrmd: Confirmed
RST Rec Code: WCRO
RST Priority: 2
RST Fed Reg Tank: N
RST Name: GRIFFIN PIPE PRODUCTS CO
Fac Location: 10 Adams St below 7th St

RST Response:
RST Responsibi Ind: RP Lead
DES First Name: Joey
DES Last Name: Daniel
Reference Point:
Latitude: 37.42152605926
Longitude: -79.1417675783363
X: -79.1417675783363
Y: 37.42152605926

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	3 of6	NE	0.38 / 1,988.39	509.38 / -198	GRIFFIN PIPE PRODUCTS CO 10 Adams St Lynchburg VA 24504	LST

PC No : 19900578
PC No (HUB): 19900578
CEDS Fac ID: 200000083038
Program: RP Lead
Region: BRRO-R
Case Status: Closed
Case Closed Date: 8/30/2002
Release Reported: 11/6/1989

Fed Regulated UST: Yes
Reg Petrol UST 1: Yes
Excluded UST 1: No
Deferred UST 1: No
Partial Defr UST 1: No
Exmpt 1 UST 2: No
Exmpt2 Ht Oil UST2: No
Small Ht Oil AST 2: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	GRIFFIN PIPE PRODUCTS CO		
Address :	10 Adams St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	GRIFFIN PIPE PRODUCTS CO		
Fac L Addr 1 (HUB):	10 Adams St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	13823	**RST Response:**	
RST Fac ID:	200000083038	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	19900578	**DES First Name:**	Joey
RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST Rls Reported:	1989/11/06 00:00:00+00	**Reference Point:**	
RST Case Closed:	2002/08/30 00:00:00+00	**Latitude:**	37.4202627043349
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1409182032688
RST Rec Code:	WCRO	**X:**	-79.1409182032688
RST Priority:	2	**Y:**	37.4202627043349
RST Fed Reg Tank:	Yes		
RST Name:	GRIFFIN PIPE PRODUCTS CO		
Fac Location:	10 Adams St below 7th St		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	4 of6	NE	0.38 / 1,988.39	509.38 / -198	Griffin Pipe Products 10 Adams St Lynchburg VA 24504	LST

PC No :	20097045	**Fed Regulated UST:**	No
PC No (HUB):	20097045	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000083038	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	12/20/2011	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	9/9/2008	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	Yes
Site Name:	Griffin Pipe Products		
Address :	10 Adams St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Griffin Pipe Products		
Fac L Addr 1 (HUB):	10 Adams St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	30906	**RST Response:**	
RST Fac ID:	200000083038	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20097045	**DES First Name:**	Joey

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST RIs Reported:	2008/09/09 00:00:00+00	**Reference Point:**	
RST Case Closed:	2011/12/20 00:00:00+00	**Latitude:**	37.4215165706436
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.141880352837
RST Rec Code:	WCRO	**X:**	-79.141880352837
RST Priority:	2	**Y:**	37.4215165706436
RST Fed Reg Tank:	N		
RST Name:	Griffin Pipe Products		
Fac Location:	10 Adams St below 7th St		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	5 of6	NE	0.38 / 1,988.39	509.38 / -198	GRIFFIN PIPE PRODUCTS CO. 10 ADAMS STREET LYNCHBURG VA 24504	RCRA TSD

EPA Handler ID:	VAD065417008
Gen Status Universe:	Large Quantity Generator
Contact Name:	J. NICOLE PAYNOTTA
Contact Address:	10 , ADAMS STREET , , LYNCHBURG , VA, 24504 , US
Contact Phone No and Ext:	434-522-4753
Contact Email:	NPAYNOTTA@USPIPE.COM
Contact Country:	US
Land Type:	Private
County Name:	LYNCHBURG CITY
EPA Region:	03
Receive Date:	20220225
Location Latitude:	37.418506
Location Longitude:	-79.140283

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Oct, 2023.

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	Generators - Pre-transport
Violation Type:	262.C
Violation Determined Date:	20120412
Scheduled Compliance Date:	
Return to Compliance:	Documented
Actual Return to Compl:	20120412
Violation Responsible Agency:	State

Enforcement Details

Enforcement Type:	110
Enforcement Type Description:	VERBAL INFORMAL
Enforcement Action Date:	20120507
Enf Disposition Status:	
Disposition Status Date:	
Enforcement Lead Agency:	State
Proposed Penalty Amount:	
Final Amount:	
Paid Amount:	

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	State Statute or Regulation
Violation Type:	XXS

Violation Determined Date: 20120412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20120412
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 20120507
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20100305
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20101102
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 122
Enforcement Type Description: Referral to Enforcement
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 209
Enforcement Type Description: REVISED PROPOSED CONSENT ORDER
Enforcement Action Date: 20100917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 8000
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20101102
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 8000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20100503

Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 208
Enforcement Type Description: INITIAL PROPOSED CONSENT ORDER
Enforcement Action Date: 20100630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 10200
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 20100305
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20101102
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 122
Enforcement Type Description: Referral to Enforcement
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 209
Enforcement Type Description: REVISED PROPOSED CONSENT ORDER
Enforcement Action Date: 20100917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 8000
Final Amount:
Paid Amount:

Enforcement Type: 208
Enforcement Type Description: INITIAL PROPOSED CONSENT ORDER
Enforcement Action Date: 20100630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 10200
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20101102
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State

Proposed Penalty Amount:
Final Amount: 8000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20070815
Scheduled Compliance Date: 20070918
Return to Compliance: Documented
Actual Return to Compl: 20070917
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 119
Enforcement Type Description: INSPECTOR FACT FINDING LETTER - Warning letter
Enforcement Action Date: 20070828
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20020710
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20050105
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20030630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER

Enforcement Action Date: 20050105
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 48730
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20020710
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20050105
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20050105
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 48730
Paid Amount:

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20030630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:

Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 9 VAC 20-60-600.E
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980327
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 9 VAC 20-60-370.E.1.e
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980327
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980417
Violation Responsible Agency: EPA

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 9.8.E.
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950511
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120

Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR G.4.E.1.d
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950511
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 6.4.E.1.e
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950421
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 10.3.D.
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D

Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950511
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR PARTS X & XI
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Violation Type: 265.Q
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950313
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 10.3.C
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D
Violation Determined Date: 19930817
Scheduled Compliance Date: 19931015
Return to Compliance: Observed
Actual Return to Compl: 19931217
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19930817
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 10.3.D.4
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D
Violation Determined Date: 19920409
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19920514
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Closure/Post-Closure
Violation Type: 264.G
Violation Determined Date: 19911231
Scheduled Compliance Date: 19910711
Return to Compliance: Unverifiable
Actual Return to Compl: 20000101
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19900614
Scheduled Compliance Date: 19901012
Return to Compliance: Observed
Actual Return to Compl: 19920514
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19900614
Scheduled Compliance Date: 19901012
Return to Compliance: Observed
Actual Return to Compl: 19920409
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19880331
Scheduled Compliance Date: 19880810
Return to Compliance: Observed
Actual Return to Compl: 19881229
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880623
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19871026
Scheduled Compliance Date: 19871201
Return to Compliance: Observed
Actual Return to Compl: 19881229
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19871029
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20220331
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170228
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20120412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20120412
Evaluation Agency: State

Evaluation Start Date: 20120412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20120412
Evaluation Agency: State

Evaluation Start Date: 20101102
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: LDR - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: FACILITY SELF DISCLOSURE
Violation Short Description: Generators - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: FACILITY SELF DISCLOSURE
Violation Short Description: LDR - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20071204
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20070815
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20070917
Evaluation Agency: State

Evaluation Start Date: 20070215
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20060125
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20050105
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20050105
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20040826
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020801
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020710
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020710
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20010117
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20000914
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19991216
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990804
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990302
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 19980417
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19980327
Evaluation Agency: State

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980121
Evaluation Type Description: FINANCIAL RECORD REVIEW

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970805
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970123
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960916
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960411
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960410
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19950511
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19950511
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Return to Compliance Date: 19950313
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19950421
Evaluation Agency: State

Evaluation Start Date: 19950106
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19940524
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19930817
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19931217
Evaluation Agency: State

Evaluation Start Date: 19930126
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19921028
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920514
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920409
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19920514
Evaluation Agency: State

Evaluation Start Date: 19900625
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19920409
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Closure/Post-Closure
Return to Compliance Date: 20000101
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19920514
Evaluation Agency: State

Evaluation Start Date: 19890508
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890508
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890418
Evaluation Type Description: FINANCIAL RECORD REVIEW

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880331
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - General
Return to Compliance Date: 19881229
Evaluation Agency: State

Evaluation Start Date: 19880331
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19881229
Evaluation Agency: State

Evaluation Start Date: 19871026
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19881229
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800818
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 1

Receive Date: 19801119
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Part A
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900301
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920220
Handler Name: GRIFFIN PIPE PRODUCTS COMPANY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940202
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960222
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19980701
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20010315
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20040204
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20060210
Handler Name: GRIFFIN PIPE PRODUCTS CO. INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: D001

Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20080229
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100311

Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20120312
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: U075
Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20140226
Handler Name: GRIFFIN PIPE PRODUCTS CO., LLC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Part A
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002

Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: U075
Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20140404
Handler Name: GRIFFIN PIPE PRODUCTS CO, LLC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: U075
Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20160224
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20180126
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20200212
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20220225
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: GRIFFIN PIPE PRODUCTS
Date Became Current: 19710101
Date Ended Current:
Phone: 630-719-6506
Source Type: Annual/Biennial Report update with Notification
Street No: 1011
Street 1: WARRENVILLE ROAD
Street 2: SUITE 550
City: LISLE
State: IL
Country: US
Zip Code: 60532

Owner/Operator Ind: Current Operator
Type: Private
Name: GRIFFIN PIPE PRODUCTS COMPANY
Date Became Current: 20140127
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1:
Street 2:
City:
State:
Country:
Zip Code:

Owner/Operator Ind: Current Operator
Type: Private
Name: GRIFFIN PIPE PRODUCTS
Date Became Current: 19720222
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Name: GRIFFIN PIPE PRODUCTS
Date Became Current: 19720222
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report
Street No: 1400
Street 1: OPUS PLACE, SUITE 700
Street 2:
City: DOWNERS GROVE
State: IL
Country: US
Zip Code: 60515

Owner/Operator Ind: Current Operator
Type: Private
Name: GRIFFIN PIPE PRODUCTS
Date Became Current: 19710101
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1:
Street 2:
City:
State:
Country:
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Street No: 1011
Street 1: WARRENVILLE ROAD

Name:	GRIFFIN PIPE PRODUCTS CO., LLC	**Street 2:**	SUITE 550
Date Became Current:	20140127	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60532

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS CO. INC.	**Street 2:**	
Date Became Current:	19720222	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	10
Type:	Private	**Street 1:**	ADAMS STREET
Name:	GRIFFIN PIPE PRODUCTS CO.	**Street 2:**	
Date Became Current:	20140127	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:	434-522-4753	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	24504

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	11011 WARRINVILLE RD
Name:	GRIFFIN PIPE PRODUCTS CO., LLC	**Street 2:**	
Date Became Current:	19710101	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Part A	**Zip Code:**	60532

Owner/Operator Ind:	Current Owner	**Street No:**	511
Type:	Private	**Street 1:**	EAST JOHN CARPENTER FREEWAY
Name:	FORTERRA INC.	**Street 2:**	6TH FLOOR
Date Became Current:	20160416	**City:**	IRVING
Date Ended Current:		**State:**	TX
Phone:	469-458-7973	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	75062

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	205 N. MICHIGAN AVE
Name:	AMSTED INDUSTRIES, INC.	**Street 2:**	
Date Became Current:	19720222	**City:**	CHICAGO
Date Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	60601

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	1400 OPUS PLACE SUITE 700
Name:	AMSTED INDUSTRIES INC.	**Street 2:**	
Date Became Current:		**City:**	DOWNERS GROVE
Date Ended Current:		**State:**	IL
Phone:	312-645-1700	**Country:**	
Source Type:	Part A	**Zip Code:**	60515

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	P.O. BOX 740
Name:	GRIFFIN PIPE PRODUCTS CO. INC.	**Street 2:**	
Date Became Current:	19720222	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	24505

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	20051001	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Part A	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	1011
Type:	Private	**Street 1:**	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	SUITE 550
Date Became Current:	20051001	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Part A	**Zip Code:**	60532

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS CO., LLC	**Street 2:**	
Date Became Current:	19710101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Part A	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	10
Type:	Private	**Street 1:**	ADAMS STREET
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	24504

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS CO.	**Street 2:**	
Date Became Current:	19720222	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	1011
Type:	Private	**Street 1:**	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	SUITE 550
Date Became Current:	20051001	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60532

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3700 PRUDENTIAL PLAZA
Name:	AMSTED INDUSTRIES INC	**Street 2:**	
Date Became Current:		**City:**	CHICAGO
Date Ended Current:		**State:**	IL
Phone:	312-645-1700	**Country:**	
Source Type:	Notification	**Zip Code:**	60601

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	20051001	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Historical Handler Details

Receive Dt: 20200212

Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20180126
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20160224
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20140404
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO, LLC

Receive Dt: 20140226
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO., LLC

Receive Dt: 20120312
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 20100311
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 20080229
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 20060210
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO. INC.

Receive Dt: 20040204
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20010315
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 19980701
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 19960222
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19940202
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19920220
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS COMPANY

Receive Dt: 19900301
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 19801119
Generator Code Description: Not a Generator, Verified
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19800818
Generator Code Description: Large Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Handler Name:		GRIFFIN PIPE PRODUCTS CO				
43	6 of6	NE	0.38 / 1,988.39	509.38 / -198	GRIFFIN PIPE PRODUCTS CO. 10 ADAMS STREET LYNCHBURG VA 24504	RCRA CONTROLS

EPA Handler ID: VAD065417008
Gen Status Universe: Large Quantity Generator
Contact Name: J. NICOLE PAYNOTTA
Contact Address: 10 , ADAMS STREET , , LYNCHBURG , VA, 24504 , US
Contact Phone No and Ext: 434-522-4753
Contact Email: NPAYNOTTA@USPIPE.COM
Contact Country: US
County Name: LYNCHBURG CITY
EPA Region: 03
Land Type: Private
Receive Date: 20220225
Location Latitude: 37.418506
Location Longitude: -79.140283

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Oct, 2023.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20120412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20120412
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 20120507
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20120412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20120412
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 20120507
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20100305
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20101102
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 122
Enforcement Type Description: Referral to Enforcement
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20101102
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 8000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 208
Enforcement Type Description: INITIAL PROPOSED CONSENT ORDER
Enforcement Action Date: 20100630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 10200
Final Amount:
Paid Amount:

Enforcement Type: 209
Enforcement Type Description: REVISED PROPOSED CONSENT ORDER

Enforcement Action Date: 20100917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 8000
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 20100305
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20101102
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 209
Enforcement Type Description: REVISED PROPOSED CONSENT ORDER
Enforcement Action Date: 20100917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 8000
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20101102
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 8000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 122
Enforcement Type Description: Referral to Enforcement
Enforcement Action Date: 20100503
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 208
Enforcement Type Description: INITIAL PROPOSED CONSENT ORDER
Enforcement Action Date: 20100630
Enf Disposition Status:
Disposition Status Date:

Enforcement Lead Agency: State
Proposed Penalty Amount: 10200
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20070815
Scheduled Compliance Date: 20070918
Return to Compliance: Documented
Actual Return to Compl: 20070917
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 119
Enforcement Type Description: INSPECTOR FACT FINDING LETTER - Warning letter
Enforcement Action Date: 20070828
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20020710
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20050105
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20050105
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 48730
Paid Amount:

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20030630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20020710
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20050105
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20030630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20050105
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 48730
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 9 VAC 20-60-600.E
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980327
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 9 VAC 20-60-370.E.1.e
Violation Short Description: Generators - General
Violation Type: 262.A

Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980327
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 110
Enforcement Type Description: VERBAL INFORMAL
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980303
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 129
Enforcement Type Description:
Enforcement Action Date: 19980814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19980218
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980417
Violation Responsible Agency: EPA

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 9.8.E.
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950511
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation:	Yes
Citation:	SR - VHWMR G.4.E.1.d
Violation Short Description:	Generators - Pre-transport
Violation Type:	262.C
Violation Determined Date:	19950309
Scheduled Compliance Date:	19950515
Return to Compliance:	Observed
Actual Return to Compl:	19950511
Violation Responsible Agency:	State

Enforcement Details

Enforcement Type:	120
Enforcement Type Description:	WRITTEN INFORMAL
Enforcement Action Date:	19950417
Enf Disposition Status:	
Disposition Status Date:	
Enforcement Lead Agency:	State
Proposed Penalty Amount:	
Final Amount:	
Paid Amount:	

Violation Details

Found Violation:	Yes
Citation:	SR - VHWMR 6.4.E.1.e
Violation Short Description:	Generators - Pre-transport
Violation Type:	262.C
Violation Determined Date:	19950309
Scheduled Compliance Date:	19950515
Return to Compliance:	Observed
Actual Return to Compl:	19950421
Violation Responsible Agency:	State

Enforcement Details

Enforcement Type:	120
Enforcement Type Description:	WRITTEN INFORMAL
Enforcement Action Date:	19950417
Enf Disposition Status:	
Disposition Status Date:	
Enforcement Lead Agency:	State
Proposed Penalty Amount:	
Final Amount:	
Paid Amount:	

Violation Details

Found Violation:	Yes
Citation:	SR - VHWMR 10.3.D.
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Violation Type:	264.D
Violation Determined Date:	19950309
Scheduled Compliance Date:	19950515
Return to Compliance:	Observed
Actual Return to Compl:	19950511
Violation Responsible Agency:	State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR PARTS X & XI
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Violation Type: 265.Q
Violation Determined Date: 19950309
Scheduled Compliance Date: 19950515
Return to Compliance: Observed
Actual Return to Compl: 19950313
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950417
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 10.3.C
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D
Violation Determined Date: 19930817
Scheduled Compliance Date: 19931015
Return to Compliance: Observed
Actual Return to Compl: 19931217
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19930817
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - VHWMR 10.3.D.4
Violation Short Description: TSD - Contingency Plan and Emergency Procedures

Violation Type: 264.D
Violation Determined Date: 19920409
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19920514
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Closure/Post-Closure
Violation Type: 264.G
Violation Determined Date: 19911231
Scheduled Compliance Date: 19910711
Return to Compliance: Unverifiable
Actual Return to Compl: 20000101
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19900614
Scheduled Compliance Date: 19901012
Return to Compliance: Observed
Actual Return to Compl: 19920514
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19900614
Scheduled Compliance Date: 19901012

Return to Compliance: Observed
Actual Return to Compl: 19920409
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900905
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19880331
Scheduled Compliance Date: 19880810
Return to Compliance: Observed
Actual Return to Compl: 19881229
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880623
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19871026
Scheduled Compliance Date: 19871201
Return to Compliance: Observed
Actual Return to Compl: 19881229
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19871029
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20220331
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170228
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20120412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20120412
Evaluation Agency: State

Evaluation Start Date: 20120412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20120412
Evaluation Agency: State

Evaluation Start Date: 20101102
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: FACILITY SELF DISCLOSURE
Violation Short Description: LDR - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: FACILITY SELF DISCLOSURE
Violation Short Description: Generators - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20100305
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: LDR - General
Return to Compliance Date: 20101102
Evaluation Agency: State

Evaluation Start Date: 20071204
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20070815
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20070917
Evaluation Agency: State

Evaluation Start Date: 20070215
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20060125
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20050105
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20050105
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20040826
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020801
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020710
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20050105
Evaluation Agency: EPA

Evaluation Start Date: 20020710
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20010117
Evaluation Type Description: FINANCIAL RECORD REVIEW

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20000914
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19991216
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990804
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990302
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19980327
Evaluation Agency: State

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 19980417
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980218
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19980303
Evaluation Agency: EPA

Evaluation Start Date: 19980121
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970805
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970123
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960916
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960411
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960410
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Return to Compliance Date: 19950313
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19950421
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19950511
Evaluation Agency: State

Evaluation Start Date: 19950309
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19950511
Evaluation Agency: State

Evaluation Start Date: 19950106
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19940524
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19930817
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19931217
Evaluation Agency: State

Evaluation Start Date: 19930126
Evaluation Type Description: FINANCIAL RECORD REVIEW

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19921028
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920514
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920409
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19920514
Evaluation Agency: State

Evaluation Start Date: 19900625
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Closure/Post-Closure
Return to Compliance Date: 20000101
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19920514
Evaluation Agency: State

Evaluation Start Date: 19900614
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19920409
Evaluation Agency: State

Evaluation Start Date: 19890508
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890508
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890418
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880331
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19881229
Evaluation Agency: State

Evaluation Start Date: 19880331
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - General
Return to Compliance Date: 19881229
Evaluation Agency: State

Evaluation Start Date: 19871026
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19881229
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No
Environmental Control Indicator: Yes
Institutional Control Indicator: Yes
Human Exposure Controls Indicator: Yes
Groundwater Controls Indicator: Yes

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800818
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801119
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: N

Generator Code Description: Not a Generator, Verified
Source Type: Part A

Waste Code Details

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900301
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920220
Handler Name: GRIFFIN PIPE PRODUCTS COMPANY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940202
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960222
Handler Name: GRIFFIN PIPE PRODUCTS CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19980701
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20010315
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20040204
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20060210
Handler Name: GRIFFIN PIPE PRODUCTS CO. INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008

Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20080229
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100311
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20120312
Handler Name: GRIFFIN PIPE PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: U075
Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20140226
Handler Name: GRIFFIN PIPE PRODUCTS CO., LLC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Part A

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: U075
Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20140404
Handler Name: GRIFFIN PIPE PRODUCTS CO, LLC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: U075
Waste Code Description: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20160224
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20180126
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20200212
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20220225
Handler Name: GRIFFIN PIPE PRODUCTS CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008

Waste Code Description: LEAD

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	1400 OPUS PLACE SUITE 700
Name:	AMSTED INDUSTRIES INC.	***Street 2:***	
Date Became Current:		***City:***	DOWNERS GROVE
Date Ended Current:		***State:***	IL
Phone:	312-645-1700	***Country:***	
Source Type:	Part A	***Zip Code:***	60515

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GRIFFIN PIPE PRODUCTS	***Street 2:***	
Date Became Current:	19710101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	1011
Type:	Private	***Street 1:***	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS	***Street 2:***	SUITE 550
Date Became Current:	19710101	***City:***	LISLE
Date Ended Current:		***State:***	IL
Phone:	630-719-6506	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	60532

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	P.O. BOX 740
Name:	GRIFFIN PIPE PRODUCTS CO. INC.	***Street 2:***	
Date Became Current:	19720222	***City:***	LYNCHBURG
Date Ended Current:		***State:***	VA
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	24505

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GRIFFIN PIPE PRODUCTS CO. INC.	***Street 2:***	
Date Became Current:	19720222	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	1011
Type:	Private	***Street 1:***	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS	***Street 2:***	SUITE 550
Date Became Current:	20051001	***City:***	LISLE
Date Ended Current:		***State:***	IL
Phone:	630-719-6506	***Country:***	US
Source Type:	Part A	***Zip Code:***	60532

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GRIFFIN PIPE PRODUCTS CO., LLC	***Street 2:***	
Date Became Current:	19710101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Part A	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GRIFFIN PIPE PRODUCTS	***Street 2:***	
Date Became Current:	20051001	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Part A	***Zip Code:***	

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	10
Type:	Private	**Street 1:**	ADAMS STREET
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	24504

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3700 PRUDENTIAL PLAZA
Name:	AMSTED INDUSTRIES INC	**Street 2:**	
Date Became Current:		**City:**	CHICAGO
Date Ended Current:		**State:**	IL
Phone:	312-645-1700	**Country:**	
Source Type:	Notification	**Zip Code:**	60601

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS CO.	**Street 2:**	
Date Became Current:	19720222	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS COMPANY	**Street 2:**	
Date Became Current:	20140127	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	10
Type:	Private	**Street 1:**	ADAMS STREET
Name:	GRIFFIN PIPE PRODUCTS CO.	**Street 2:**	
Date Became Current:	20140127	**City:**	LYNCHBURG
Date Ended Current:		**State:**	VA
Phone:	434-522-4753	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	24504

Owner/Operator Ind:	Current Owner	**Street No:**	511
Type:	Private	**Street 1:**	EAST JOHN CARPENTER FREEWAY
Name:	FORTERRA INC.	**Street 2:**	6TH FLOOR
Date Became Current:	20160416	**City:**	IRVING
Date Ended Current:		**State:**	TX
Phone:	469-458-7973	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	75062

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	11011 WARRINVILLE RD
Name:	GRIFFIN PIPE PRODUCTS CO., LLC	**Street 2:**	
Date Became Current:	19710101	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Part A	**Zip Code:**	60532

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	20051001	**City:**	
Date Ended Current:		**State:**	

Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	205 N. MICHIGAN AVE
Name:	AMSTED INDUSTRIES, INC.	**Street 2:**	
Date Became Current:	19720222	**City:**	CHICAGO
Date Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	60601
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	1400
Type:	Private	**Street 1:**	OPUS PLACE, SUITE 700
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	
Date Became Current:	19720222	**City:**	DOWNERS GROVE
Date Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	60515
Owner/Operator Ind:	Current Owner	**Street No:**	1011
Type:	Private	**Street 1:**	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS	**Street 2:**	SUITE 550
Date Became Current:	20051001	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60532
Owner/Operator Ind:	Current Owner	**Street No:**	1011
Type:	Private	**Street 1:**	WARRENVILLE ROAD
Name:	GRIFFIN PIPE PRODUCTS CO., LLC	**Street 2:**	SUITE 550
Date Became Current:	20140127	**City:**	LISLE
Date Ended Current:		**State:**	IL
Phone:	630-719-6506	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60532

Historical Handler Details

Receive Dt:	20200212
Generator Code Description:	Large Quantity Generator
Handler Name:	GRIFFIN PIPE PRODUCTS CO.
Receive Dt:	20180126
Generator Code Description:	Large Quantity Generator
Handler Name:	GRIFFIN PIPE PRODUCTS CO.
Receive Dt:	20160224
Generator Code Description:	Large Quantity Generator
Handler Name:	GRIFFIN PIPE PRODUCTS CO.
Receive Dt:	20140404
Generator Code Description:	Large Quantity Generator
Handler Name:	GRIFFIN PIPE PRODUCTS CO, LLC
Receive Dt:	20140226
Generator Code Description:	Large Quantity Generator
Handler Name:	GRIFFIN PIPE PRODUCTS CO., LLC
Receive Dt:	20120312
Generator Code Description:	Large Quantity Generator
Handler Name:	GRIFFIN PIPE PRODUCTS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 20100311
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 20080229
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 20060210
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO. INC.

Receive Dt: 20040204
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 20010315
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 19980701
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO.

Receive Dt: 19960222
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19940202
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19920220
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS COMPANY

Receive Dt: 19900301
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS

Receive Dt: 19801119
Generator Code Description: Not a Generator, Verified
Handler Name: GRIFFIN PIPE PRODUCTS CO

Receive Dt: 19800818
Generator Code Description: Large Quantity Generator
Handler Name: GRIFFIN PIPE PRODUCTS CO

44	**1 of1**	**NW**	**0.40 / 2,094.30**	**778.35 / 71**	**Halsey Terrace Apartments 220 Madison St Lynchburg VA 24504**	**LST**

PC No : 20077013
PC No (HUB): 20077013
CEDS Fac ID: 200000224846
Program: RP Lead
Region: BRRO-R
Case Status: Closed
Case Closed Date: 10/30/2006
Release Reported: 8/29/2006
Heat Oil Category: Category 2
Unknown Tank Type: No
Site Name: Halsey Terrace Apartments
Address : 220 Madison St
City : Lynchburg
Zip: 24504
County : Lynchburg City

Fed Regulated UST: No
Reg Petrol UST 1: No
Excluded UST 1: No
Deferred UST 1: No
Partial Defr UST 1: No
Exmpt 1 UST 2: No
Exmpt2 Ht Oil UST2: No
Small Ht Oil AST 2: Yes
Regulated AST3: No
Unregulated AST3: No

RST Name (HUB):	Halsey Terrace Apartments
Fac L Addr 1 (HUB):	220 Madison St
Fac L City (HUB):	Lynchburg
Fac L ZIP 5 (HUB):	24504
FIC Desc (HUB):	Lynchburg City
Other Tank Type:	No
Oth Tank Type Desc:	
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	27622	***RST Response:***	
RST Fac ID:	200000224846	***RST Responsibi Ind:***	RP Lead
RST Poll Cmplt No:	20077013	***DES First Name:***	Joey
RST Status Ind:	Closed	***DES Last Name:***	Daniel
RST RIs Reported:	2006/08/29 00:00:00+00	***Reference Point:***	
RST Case Closed:	2006/10/30 00:00:00+00	***Latitude:***	37.4181888986633
RST Suspect Cnfrmd:	Confirmed	***Longitude:***	-79.1501512234046
RST Rec Code:	WCRO	***X:***	-79.1501512234046
RST Priority:	2	***Y:***	37.4181888986633
RST Fed Reg Tank:	N		
RST Name:	Halsey Terrace Apartments		
Fac Location:	220 Madison St		

45	*1 of1*	*NW*	*0.40 / 2,130.71*	*780.35 / 73*	***Larkin Thomas D Jr Trust Property 215 Madison St Lynchburg VA 24504***	***LST***

PC No :	20222002	***Fed Regulated UST:***	No
PC No (HUB):	20222002	***Reg Petrol UST 1:***	No
CEDS Fac ID:	200000893203	***Excluded UST 1:***	No
Program:	RP Lead	***Deferred UST 1:***	No
Region:	BRRO-R	***Partial Defr UST 1:***	No
Case Status:	Closed	***Exmpt 1 UST 2:***	No
Case Closed Date:	8/26/2021	***Exmpt2 Ht Oil UST2:***	No
Release Reported:	7/1/2021	***Small Ht Oil AST 2:***	Yes
Heat Oil Category:	Category 2	***Regulated AST3:***	No
Unknown Tank Type:	No	***Unregulated AST3:***	No
Site Name:	Larkin Thomas D Jr Trust Property		
Address :	215 Madison St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Larkin Thomas D Jr Trust Property		
Fac L Addr 1 (HUB):	215 Madison St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	50485	***RST Response:***	
RST Fac ID:	200000893203	***RST Responsibi Ind:***	RP Lead
RST Poll Cmplt No:	20222002	***DES First Name:***	Robert
RST Status Ind:	Closed	***DES Last Name:***	Howard
RST RIs Reported:	2021/07/01 00:00:00+00	***Reference Point:***	PG
RST Case Closed:	2021/08/26 00:00:00+00	***Latitude:***	37.4178519999343
RST Suspect Cnfrmd:	Confirmed	***Longitude:***	-79.1508350003376
RST Rec Code:	WCRO	***X:***	-79.1508350003376
RST Priority:	1	***Y:***	37.4178519999343
RST Fed Reg Tank:	N		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RST Name: Larkin Thomas D Jr Trust Property
Fac Location:

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46 | **1 of1** | **SW** | **0.46 / 2,442.56** | **761.04 / 53** | **Boyd Toler Residence**
922 Taylor Street
Lynchburg VA 24504 | **LST**

PC No :	20077058	**Fed Regulated UST:**	No
PC No (HUB):	20077058	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000846571	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	6/29/2007	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	5/8/2007	**Small Ht Oil AST 2:**	Yes
Heat Oil Category:	Category 3	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No

Site Name: Boyd Toler Residence
Address : 922 Taylor Street
City : Lynchburg
Zip: 24504
County : Lynchburg City
RST Name (HUB): Boyd Toler Residence
Fac L Addr 1 (HUB): 922 Taylor Street
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	28764	**RST Response:**	
RST Fac ID:	200000846571	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20077058	**DES First Name:**	Joey
RST Status Ind:	Closed	**DES Last Name:**	Daniel
RST RIs Reported:	2007/05/08 00:00:00+00	**Reference Point:**	
RST Case Closed:	2007/06/29 00:00:00+00	**Latitude:**	37.4090378499496
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1505534431747
RST Rec Code:	WCRO	**X:**	-79.1505534431747
RST Priority:	1	**Y:**	37.4090378499496
RST Fed Reg Tank:	N		

RST Name: Boyd Toler Residence
Fac Location: 922 Taylor Street

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47 | **1 of1** | **SSW** | **0.46 / 2,454.49** | **757.56 / 50** | **TRENT PROPERTY**
Lynchburg VA 24501 | **LST**

PC No :	19991070	**Fed Regulated UST:**	No
PC No (HUB):	19991070	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000093747	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	3/11/1999	**Exmpt2 Ht Oil UST2:**	Yes
Release Reported:	10/20/1998	**Small Ht Oil AST 2:**	No
Heat Oil Category:	Category 2	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No

Site Name: TRENT PROPERTY
Address :
City : Lynchburg
Zip: 24501
County : Lynchburg City

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RST Name (HUB): TRENT PROPERTY
Fac L Addr 1 (HUB):
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24501
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID: 14786
RST Fac ID: 200000093747
RST Poll Cmplt No: 19991070
RST Status Ind: Closed
RST Rls Reported: 1998/10/20 00:00:00+00
RST Case Closed: 1999/03/11 00:00:00+00
RST Suspect Cnfrmd: Confirmed
RST Rec Code: WCRO
RST Priority: 3
RST Fed Reg Tank: N
RST Name: TRENT PROPERTY
Fac Location: 1115 12th Street

RST Response:
RST Responsibi Ind: RP Lead
DES First Name: Kenneth
DES Last Name: Chapman
Reference Point:
Latitude: 37.4076191832104
Longitude: -79.1492317842366
X: -79.1492317842366
Y: 37.4076191832104

48	1 of1	SSW	0.48 / 2,512.61	752.66 / 45	GRAY TOP CAB 1107 TWELFTH STREET Lynchburg VA 24504	LST

PC No :
PC No (HUB): 19961069
CEDS Fac ID:
Program:
Region:
Case Status:
Case Closed Date:
Release Reported:
Heat Oil Category:
Unknown Tank Type:
Site Name:
Address :
City :
Zip:
County :
RST Name (HUB): GRAY TOP CAB
Fac L Addr 1 (HUB): 1107 TWELFTH STREET
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24504
FIC Desc (HUB): Lynchburg City
Other Tank Type:
Oth Tank Type Desc:
Source: Virginia Environmental Data Hub - Petroleum Release Sites

Fed Regulated UST:
Reg Petrol UST 1:
Excluded UST 1:
Deferred UST 1:
Partial Defr UST 1:
Exmpt 1 UST 2:
Exmpt2 Ht Oil UST2:
Small Ht Oil AST 2:
Regulated AST3:
Unregulated AST3:

Data Hub - Petroleum Releases Geodatabase Details

RST ID: 14541
RST Fac ID: 200000080945
RST Poll Cmplt No: 19961069
RST Status Ind: Closed
RST Rls Reported: 1996/02/20 00:00:00+00
RST Case Closed: 1996/02/22 00:00:00+00
RST Suspect Cnfrmd: Suspected
RST Rec Code: WCRO
RST Priority: 3
RST Fed Reg Tank: Yes
RST Name: GRAY TOP CAB

RST Response:
RST Responsibi Ind: RP Lead
DES First Name: Robert
DES Last Name: Howard
Reference Point:
Latitude: 37.4076575057739
Longitude: -79.1488371327727
X: -79.1488371327727
Y: 37.4076575057739

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Fac Location:	1107 Twelth St ???					

49	1 of1	NNW	0.49 / 2,576.92	622.18 / -86	Smith Rachel Residence 409 C St Lynchburg VA 24504	LST

PC No :	20132161	**Fed Regulated UST:**	No
PC No (HUB):	20132161	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000858585	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	1/16/2013	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	11/13/2012	**Small Ht Oil AST 2:**	Yes
Heat Oil Category:	Category 2	**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	Smith Rachel Residence		
Address :	409 C St		
City :	Lynchburg		
Zip:	24504		
County :	Lynchburg City		
RST Name (HUB):	Smith Rachel Residence		
Fac L Addr 1 (HUB):	409 C St		
Fac L City (HUB):	Lynchburg		
Fac L ZIP 5 (HUB):	24504		
FIC Desc (HUB):	Lynchburg City		
Other Tank Type:	No		
Oth Tank Type Desc:			
Source:	Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites		

Data Hub - Petroleum Releases Geodatabase Details

RST ID:	37383	**RST Response:**	
RST Fac ID:	200000858585	**RST Responsibi Ind:**	RP Lead
RST Poll Cmplt No:	20132161	**DES First Name:**	Robert
RST Status Ind:	Closed	**DES Last Name:**	Howard
RST Rls Reported:	2012/11/13 00:00:00+00	**Reference Point:**	
RST Case Closed:	2013/01/16 00:00:00+00	**Latitude:**	37.4213295276531
RST Suspect Cnfrmd:	Confirmed	**Longitude:**	-79.1469249869438
RST Rec Code:	WCRO	**X:**	-79.1469249869438
RST Priority:	3	**Y:**	37.4213295276531
RST Fed Reg Tank:	N		
RST Name:	Smith Rachel Residence		
Fac Location:	409 C St		

50	1 of1	W	0.50 / 2,638.04	781.17 / 73	COLLEGE HILL FILTRATION PLANT 525 Taylor St Lynchburg VA 24505	LST

PC No :	19943960	**Fed Regulated UST:**	Yes
PC No (HUB):	19943960	**Reg Petrol UST 1:**	No
CEDS Fac ID:	200000088241	**Excluded UST 1:**	No
Program:	RP Lead	**Deferred UST 1:**	No
Region:	BRRO-R	**Partial Defr UST 1:**	No
Case Status:	Closed	**Exmpt 1 UST 2:**	No
Case Closed Date:	6/16/1994	**Exmpt2 Ht Oil UST2:**	No
Release Reported:	5/17/1994	**Small Ht Oil AST 2:**	No
Heat Oil Category:		**Regulated AST3:**	No
Unknown Tank Type:	No	**Unregulated AST3:**	No
Site Name:	COLLEGE HILL FILTRATION PLANT		
Address :	525 Taylor St		
City :	Lynchburg		
Zip:	24505		
County :	Lynchburg City		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RST Name (HUB): COLLEGE HILL FILTRATION PLANT
Fac L Addr 1 (HUB): 525 Taylor St
Fac L City (HUB): Lynchburg
Fac L ZIP 5 (HUB): 24505
FIC Desc (HUB): Lynchburg City
Other Tank Type: No
Oth Tank Type Desc:
Source: Virginia DEQ - Petroleum Database - Petroleum Releases; Virginia Environmental Data Hub - Petroleum Release Sites

Data Hub - Petroleum Releases Geodatabase Details

RST ID: 14385
RST Fac ID: 200000088241
RST Poll Cmplt No: 19943960
RST Status Ind: Closed
RST Rls Reported: 1994/05/17 00:00:00+00
RST Case Closed: 1994/06/16 00:00:00+00
RST Suspect Cnfrmd: Confirmed
RST Rec Code: WCRO
RST Priority: 3
RST Fed Reg Tank: Yes
RST Name: COLLEGE HILL FILTRATION PLANT
Fac Location: 525 Taylor St
RST Response:
RST Responsibi Ind: RP Lead
DES First Name: Robert
DES Last Name: Howard
Reference Point:
Latitude: 37.4126578320448
Longitude: -79.1544063300048
X: -79.1544063300048
Y: 37.4126578320448

51	1 of1	E	0.63 / 3,325.92	693.83 / -14	LYNCHBURG QUARRY AMHERST COUNTY MADISON HEIGHTS VA 24572	MRDS

Dep ID: 10204140
Dev Status: PAST PRODUCER
Code List: GRT
Url: http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10204140
I1: 23
Latitude: 37.415283
Longitude: -79.132996

Commodity

I1: 36
Code: GRT
Commodity: Granite
Commodity Type: Non-metallic
Commodity Group: Stone
Importance: Primary
Line: 1
Inserted By: MAS migration
Insert Date: 29-OCT-2002 09:00:24
Updated By: USGS
Update Date: 29-OCT-2002 09:01:53

Names

I1: 27
Status: Current
Site Name: Lynchburg Quarry
Line: 1
Inserted By: MAS migration
Insert Date: 29-OCT-02
Updated By: USGS
Update Date: 29-OCT-02

Unplottable Summary

Total: 7 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
SPILLS	Hudson Residence	Madison Street	Lynchburg VA		812572214
		Incident ID* | *Status* | *Closure Date: 11/30/2006			
SPILLS	Hudson Residence	Madison Street	Lynchburg VA		876335191
		Incident ID* | *Status* | *Closure Date: 251553 | Closed | 11/30/2006			
SPILLS	CSX crude oil train derailed and burned	9th Street	Lynch Station VA	24501	822750377
		Incident ID* | *Status* | *Closure Date: 26524 | Closed | 10/19/2015			
SPILLS	Griffin Pipe	7th Street	Lynchburg VA		876305802
		Incident ID* | *Status* | *Closure Date: 251214 | Closed | 1/20/2005			
SPILLS	Griffin Pipe	7th Street	Lynchburg VA		876303701
		Incident ID* | *Status* | *Closure Date: 251144 | Closed | 3/22/2005			
SPILLS	9th Street	9th Street	Lynchburg VA		876302585
		Incident ID* | *Status* | *Closure Date: 250719 | Closed | 7/3/2002			
UST	HILL TOP SERVICE STATION	NORTH MAIN ST.	AMHERST VA	24521	811819936
		Facility ID* | *Facility Active* | *Active UST* | *Inactive UST: 7017858 | | | ***Tank No:*** R2, REM FROM GRD, R1, REM FROM GRD, R3, REM FROM GRD			

Unplottable Report

Site: **Hudson Residence**
Madison Street Lynchburg VA

SPILLS

Legacy IR No:	2007-L-0160	**Incident ID:**	
Status:		**Incident Address 1:**	Madison Street
Incident Type:	Waste	**Incident Address 2:**	
Incident Subtype:	Solid Waste	**FIPS City County:**	Lynchburg City
Effect to Receptor:		**Region:**	South Central
Incident Dte Time:	11/29/2006	**Closure Date:**	11/30/2006
CallRecvdDteTime:	11/29/2006	**Impacts:**	
OngoingAtCallDt?:		**Other Impacts:**	
EPA ID:		**Steps Taken:**	
SSORS ID:		**System Structure:**	
HMVA No:		**Oth Sys Structure:**	
NRC ID:		**Weather Status:**	
Agencies Notified?:	NO	**Wet Weather Event:**	
Threat to:		**Precipitation Inch:**	
Terrorism?:	NO	**Discharge Type:**	
Charactriz Incdnt:		**Dischrg Vol Gal:**	
Quantity Units:		**Discharge Treated:**	
High Qty to Water:		**Unkwn Discharge?:**	NO
Low Qty to Water:		**Sewage Related?:**	
Water Body:		**Permitted?:**	NO
CallReportedAnon?:		**Facility Name:**	
CallPrptyOwnrUnkn?:		**Property Owner:**	
Call PRP Unknown?:		**PrprtyOwnrOrgnztn:**	Glenn Hudson
Call Rprtd by Org?:	Anonymous	**Event Duration Hrs:**	
CallPrprtyOwnrOrg:		**Received By:**	
Call Prop Owner Nm:		**Materials:**	Waste (Construction/Demolition Debris)(-1 - -1 Unknown)
CallReprtdByName:		**PRP Name:**	Glenn Hudson
Call PRP Name:		**Participating Prgm:**	
Call PRP Org:		**Point X:**	
PRP Organization:	Glenn Hudson	**Point Y:**	
Associated IR:		**Steps Taken Desc:**	

Incident Name: Hudson Residence
Weather Event:
Other Receptors: Ground
Other Agencies:
Originial Call Loc Desc: Hudson Residence-Madison Street-Lynchburg-VA--Lynchburg City
Original Call Material Desc: Concrete, asphalt
Cause of Event:
Location Description:
Closure Reason Comments: See Site Summary for details
Description of Incident: Made site visit. Found there was beginnings of a driveway that will sweep around to rear of RP's house. City had torn up and replaced sidewalks in neighborhood and contractor had placed the concrete on RP's yard, then covered it with milled asphalt. No signs of any runoff from existing driveway materials. General runoff, if it were to occur, would be to run downhill, across grassy rear yard. More than 50 feet of grassed, vegetated buffer before you get near street.RP indicated he has had repeated run ins with neighbors about his efforts to improve his land in a what is a designated Historical District.All work that RP has done has been in accordance with, and with acceptance of, City Zoning Office and local Historical Board guidelines and requirements.
Original Call Incident Descri:

Site Summary Notes:

Corrective Action Taken:

Site: **Hudson Residence**
Madison Street Lynchburg VA

SPILLS

Legacy IR No:	2007-L-0160	***Incident ID:***	251553
Status:	Closed	***Incident Address 1:***	Madison Street
Incident Type:	Solid Waste(Waste)	***Incident Address 2:***	
Incident Subtype:		***FIPS City County:***	680/Lynchburg City
Effect to Receptor:		***Region:***	Blue Ridge
Incident Dte Time:	11/29/2006 12:00	***Closure Date:***	11/30/2006
CallRecvdDteTime:	11/29/2006 12:00	***Impacts:***	
OngoingAtCallDt?:	No	***Other Impacts:***	
EPA ID:		***Steps Taken:***	
SSORS ID:		***System Structure:***	
HMVA No:		***Oth Sys Structure:***	
NRC ID:		***Weather Status:***	
Agencies Notified?:		***Wet Weather Event:***	No
Threat to:		***Precipitation Inch:***	
Terrorism?:		***Discharge Type:***	
Charactriz Incdnt:		***Dischrg Vol Gal:***	
Quantity Units:		***Discharge Treated:***	
High Qty to Water:		***Unkwn Discharge?:***	
Low Qty to Water:		***Sewage Related?:***	No
Water Body:		***Permitted?:***	No
CallReportedAnon?:		***Facility Name:***	
CallPrptyOwnrUnkn?:		***Property Owner:***	
Call PRP Unknown?:		***PrprtyOwnrOrgnztn:***	Glenn Hudson
Call Rprtd by Org?:	Anonymous	***Event Duration Hrs:***	
CallPrprtyOwnrOrg:	Glenn Hudson	***Received By:***	
Call Prop Owner Nm:		***Materials:***	Waste (Construction/Demolition Debris)
CallReprtdByName:		***PRP Name:***	GlennHudson
Call PRP Name:	Glenn Hudson	***Participating Prgm:***	
Call PRP Org:	Glenn Hudson	***Point X:***	
PRP Organization:	Glenn Hudson	***Point Y:***	
Associated IR:		***Steps Taken Desc:***	

Incident Name:	Hudson Residence
Weather Event:	
Other Receptors:	Ground
Other Agencies:	
Originial Call Loc Desc:	Hudson Residence-Madison Street-Lynchburg-VA--Lynchburg City
Original Call Material Desc:	Concrete, asphalt
Cause of Event:	
Location Description:	Hudson Residence-Madison Street-Lynchburg-VA--Lynchburg City
Closure Reason Comments:	See Site Comments for details
Description of Incident:	
Original Call Incident Descri:	

Anonymous caller concerned about erosion and runoff from concrete walkway debris and milled asphalt being placed in a neighbor's yard.CLOSED - No substance to complaint. Personal issues exist between neighbor's flanking RP's property.

Site Summary Notes:

Made site visit. Found there was beginnings of a driveway that will sweep around to rear of RP's house. City had torn up and replaced sidewalks in neighborhood and contractor had placed the concrete on RP's yard, then covered it with milled asphalt. No signs of any runoff from existing driveway materials. General runoff, if it were to occur, would be to run downhill, across grassy rear yard. More than 50 feet of grassed, vegetated buffer before you get near street.RP indicated he has had repeated run ins with neighbors about his efforts to improve his land in a what is a designated Historical District.All work that RP has done has been in accordance with, and with acceptance of, City Zoning Office and local Historical Board guidelines and requirements.

Corrective Action Taken:

Site: ***CSX crude oil train derailed and burned***
9th Street Lynch Station VA 24501

SPILLS

Legacy IR No:	2014-L-2951	***Incident ID:***	26524
Status:	Closed	***Incident Address 1:***	9th Street
Incident Type:	Petroleum(Petroleum), Surface Spill (Petroleum), Tanker(Petroleum)	***Incident Address 2:***	
Incident Subtype:		***FIPS City County:***	680/Lynchburg City
Effect to Receptor:	Impacted	***Region:***	Blue Ridge
Incident Dte Time:	04/30/2014 02:00	***Closure Date:***	10/19/2015
CallRecvdDteTime:	05/01/2014 11:58	***Impacts:***	
OngoingAtCallDt?:	Yes	***Other Impacts:***	
EPA ID:		***Steps Taken:***	

SSORS ID:		***System Structure:***	
HMVA No:		***Oth Sys Structure:***	
NRC ID:		***Weather Status:***	
Agencies Notified?:		***Wet Weather Event:***	No
Threat to:	Drinking Water Supply, Ground Water, Human Health	***Precipitation Inch:***	0
Terrorism?:		***Discharge Type:***	
Charactriz Incdnt:	Unknown	***Dischrg Vol Gal:***	0
Quantity Units:	Gallons	***Discharge Treated:***	
High Qty to Water:	29926	***Unkwn Discharge?:***	
Low Qty to Water:	186	***Sewage Related?:***	No
Water Body:	James River	***Permitted?:***	No
CallReportedAnon?:		***Facility Name:***	
CallPrptyOwnrUnkn?:		***Property Owner:***	
Call PRP Unknown?:		***PrprtyOwnrOrgnztn:***	
Call Rprtd by Org?:	Local news stations	***Event Duration Hrs:***	0
CallPrprtyOwnrOrg:		***Received By:***	Michael Cholko
Call Prop Owner Nm:		***Materials:***	Crude Oil
CallReprtdByName:	ANONYMOUS ANONYMOUS	***PRP Name:***	RobertClendening
Call PRP Name:		***Participating Prgm:***	
Call PRP Org:	CSX Transportation	***Point X:***	
PRP Organization:	CSX	***Point Y:***	
Associated IR:		***Steps Taken Desc:***	

Incident Name: CSX crude oil train derailed and burned

Weather Event:

Other Receptors:

Other Agencies:

Originial Call Loc Desc: Crude oil train derailed and burned
9th Street
Lynchubrg

Original Call Material Desc: crude oil

Cause of Event:

Location Description: Crude oil train derailed and burned
9th Street
Lynchubrg

Closure Reason Comments: All requirements have been met by CSX. No further PREP action.

Description of Incident: CSX crude oil tanker train (105 cars) derailed in Lower Basin. Thirteen cars left track and three more cars went into river and one caught on fire. Petroleum product burned on river surface and caught riverbank brush on fire. Area within 3 blocks of basin was evacuated. No injuries, no property damage.

Original Call Incident Descri:

CSX crude oil tanker train (105 cars) derailed in Lower Basin. Thirteen cars left track and three more cars went into river and one caught on fire. Petroleum product burned on river surface and caught riverbank brush on fire. Area within 3 blocks of basin was evacuated. No injuries, no property damage.

Site Summary Notes:

CSX crude oil tanker train (105 cars) derailed in Lower Basin. Thirteen cars left track and three more cars went into river and one caught on fire. Petroleum product burned on river surface and caught riverbank brush on fire. Area within 3 blocks of basin was evacuated. No injuries, no property damage. Cleanup operations ongoing.

Corrective Action Taken:

Site: ***Griffin Pipe***
7th Street Lynchburg VA

SPILLS

Legacy IR No:	2005-L-0179	***Incident ID:***	251214
Status:	Closed	***Incident Address 1:***	7th Street
Incident Type:	SSO(Water)	***Incident Address 2:***	
Incident Subtype:		***FIPS City County:***	680/Lynchburg City
Effect to Receptor:		***Region:***	Blue Ridge
Incident Dte Time:	01/14/2005 12:00	***Closure Date:***	1/20/2005
CallRecvdDteTime:	01/14/2005 12:00	***Impacts:***	
OngoingAtCallDt?:	No	***Other Impacts:***	
EPA ID:		***Steps Taken:***	
SSORS ID:		***System Structure:***	
HMVA No:		***Oth Sys Structure:***	
NRC ID:		***Weather Status:***	
Agencies Notified?:		***Wet Weather Event:***	No
Threat to:		***Precipitation Inch:***	

Terrorism?:		***Discharge Type:***	
Charactriz Incdnt:		***Dischrg Vol Gal:***	
Quantity Units:	Gallons	***Discharge Treated:***	
High Qty to Water:	-1	***Unkwn Discharge?:***	
Low Qty to Water:	-1	***Sewage Related?:***	Yes
Water Body:	James River	***Permitted?:***	No
CallReportedAnon?:		***Facility Name:***	
CallPrptyOwnrUnkn?:		***Property Owner:***	
Call PRP Unknown?:		***PrprtyOwnrOrgnztn:***	City of Lynchburg
Call Rprtd by Org?:	Kathy Marrs	***Event Duration Hrs:***	
CallPrprtyOwnrOrg:	City of Lynchburg	***Received By:***	
Call Prop Owner Nm:		***Materials:***	Sewage
CallReprtdByName:		***PRP Name:***	KathyMarrs
Call PRP Name:	Kathy Marrs	***Participating Prgm:***	
Call PRP Org:	City of Lynchburg	***Point X:***	
PRP Organization:	City of Lynchburg	***Point Y:***	
Associated IR:		***Steps Taken Desc:***	
Incident Name:	Griffin Pipe		
Weather Event:			
Other Receptors:			
Other Agencies:			
Originial Call Loc Desc:	Griffin Pipe-7th Street-Lynchburg-VA--Lynchburg City		
Original Call Material Desc:	Sewage		
Cause of Event:			
Location Description:	Griffin Pipe-7th Street-Lynchburg-VA--Lynchburg City		
Closure Reason Comments:	See Site Comments for details		
Description of Incident:			
Original Call Incident Descri:			

Chris Sonne, with Griffin Pipe, observed overflow. City crew cleared line of debris. Cleaned up most of spill, and another crew was coming in on Saturday, 1/15/05, to finish cleaning.

Site Summary Notes:

Awaiting follow up info to confirm second crew finished cleaning.5 day letter rec'd 01-19-05No PReP response

Corrective Action Taken:

Site: ***Griffin Pipe***
7th Street Lynchburg VA

SPILLS

Legacy IR No:	2005-L-0247	***Incident ID:***	251144
Status:	Closed	***Incident Address 1:***	7th Street
Incident Type:	SSO(Water)	***Incident Address 2:***	
Incident Subtype:		***FIPS City County:***	680/Lynchburg City
Effect to Receptor:		***Region:***	Blue Ridge
Incident Dte Time:	03/18/2005 12:00	***Closure Date:***	3/22/2005
CallRecvdDteTime:	03/18/2005 12:00	***Impacts:***	
OngoingAtCallDt?:	No	***Other Impacts:***	
EPA ID:		***Steps Taken:***	
SSORS ID:		***System Structure:***	
HMVA No:		***Oth Sys Structure:***	
NRC ID:		***Weather Status:***	
Agencies Notified?:		***Wet Weather Event:***	No
Threat to:		***Precipitation Inch:***	
Terrorism?:		***Discharge Type:***	
Charactriz Incdnt:		***Dischrg Vol Gal:***	
Quantity Units:	Gallons	***Discharge Treated:***	
High Qty to Water:	750	***Unkwn Discharge?:***	
Low Qty to Water:	750	***Sewage Related?:***	Yes
Water Body:	James River	***Permitted?:***	No
CallReportedAnon?:		***Facility Name:***	
CallPrptyOwnrUnkn?:		***Property Owner:***	
Call PRP Unknown?:		***PrprtyOwnrOrgnztn:***	City of Lynchburg
Call Rprtd by Org?:	Kathy L. Marrs	***Event Duration Hrs:***	
CallPrprtyOwnrOrg:	City of Lynchburg	***Received By:***	
Call Prop Owner Nm:		***Materials:***	Sewage
CallReprtdByName:		***PRP Name:***	Kathy LMarrs
Call PRP Name:	Kathy L Marrs	***Participating Prgm:***	
Call PRP Org:	City of Lynchburg	***Point X:***	

PRP Organization:	City of Lynchburg	***Point Y:***	
Associated IR:		***Steps Taken Desc:***	
Incident Name:	Griffin Pipe		
Weather Event:			
Other Receptors:			
Other Agencies:			
Originial Call Loc Desc:	Griffin Pipe-7th Street-Lynchburg-VA--Lynchburg City		
Original Call Material Desc:	Sewage / gray water		
Cause of Event:			
Location Description:	Griffin Pipe-7th Street-Lynchburg-VA--Lynchburg City		
Closure Reason Comments:	See Site Comments for details		
Description of Incident:			
Original Call Incident Descri:			

Employee spotted sewer overflowing by plant. City crew dispatched and rodded out line to remove grease clog.Approx. 750 gallons of sewage was spilled. Repairs completed by 3/18/05 1445.No fish kill reported.Waiting on 5 day letter.3/22/05 - 5 day letter rec'd

Site Summary Notes:

Information only.No PReP repsonse needed.

Corrective Action Taken:

Site: ***9th Street***
9th Street Lynchburg VA

SPILLS

Legacy IR No:	2002-L-0236	***Incident ID:***	250719
Status:	Closed	***Incident Address 1:***	9th Street
Incident Type:	Petroleum(Petroleum), Water(Water)	***Incident Address 2:***	
Incident Subtype:		***FIPS City County:***	680/Lynchburg City
Effect to Receptor:		***Region:***	Blue Ridge
Incident Dte Time:	06/03/2002 12:00	***Closure Date:***	7/3/2002
CallRecvdDteTime:	06/03/2002 12:00	***Impacts:***	
OngoingAtCallDt?:	No	***Other Impacts:***	
EPA ID:		***Steps Taken:***	
SSORS ID:		***System Structure:***	
HMVA No:		***Oth Sys Structure:***	
NRC ID:		***Weather Status:***	
Agencies Notified?:		***Wet Weather Event:***	No
Threat to:		***Precipitation Inch:***	
Terrorism?:		***Discharge Type:***	
Charactriz Incdnt:		***Dischrg Vol Gal:***	
Quantity Units:	Gallons	***Discharge Treated:***	
High Qty to Water:	-1	***Unkwn Discharge?:***	
Low Qty to Water:	-1	***Sewage Related?:***	No
Water Body:	James River	***Permitted?:***	No
CallReportedAnon?:		***Facility Name:***	
CallPrptyOwnrUnkn?:		***Property Owner:***	
Call PRP Unknown?:		***PrprtyOwnrOrgnztn:***	
Call Rprtd by Org?:	Dispatcher Pamela Watoon	***Event Duration Hrs:***	
CallPrprtyOwnrOrg:		***Received By:***	
Call Prop Owner Nm:		***Materials:***	Oil (Fuel-Diesel)
CallReprtdByName:		***PRP Name:***	DavidSt John
Call PRP Name:	David St John	***Participating Prgm:***	
Call PRP Org:	May Brothers, Inc	***Point X:***	
PRP Organization:	May Brothers, Inc	***Point Y:***	
Associated IR:		***Steps Taken Desc:***	
Incident Name:	9th Street		
Weather Event:			
Other Receptors:			
Other Agencies:			
Originial Call Loc Desc:	9th Street-Lynchburg-VA--Lynchburg City		
Original Call Material Desc:	Diesel		
Cause of Event:			
Location Description:	9th Street-Lynchburg-VA--Lynchburg City		
Closure Reason Comments:	See Site Comments for details		
Description of Incident:			
Original Call Incident Descri:			

Tractor trailer jack-knifed and ruptured saddle tanks, causing spill of product. FD on scene has product contained. WEL enroute for clean-up.

Site Summary Notes:

C. Staten spoke with Steve Day of W.E.L., Inc., cleanup contractor. Cleanup in progress; spill did not reach James River. W.E.L. report received on 7/3/02.

Corrective Action Taken:

Site: ***HILL TOP SERVICE STATION***
NORTH MAIN ST. AMHERST VA 24521

UST

Facility ID:	7017858	***Facility Active:***	
CEDS Facility ID:	200000158118	***Federally Regulatd:***	
Facility Type:	GAS STATION	***Parent Reg Alt Des:***	
Active UST:		***County:***	Amherst County
Inactive UST:		***Region:***	BRROR
Active AST:		***Latitude (HUB):***	
Inactive AST:		***Longitude (HUB):***	
Name:	HILL TOP SERVICE STATION		
Address 1:	NORTH MAIN ST.		
Address 2:			
City:	AMHERST		
ZIP:	24521		
State:	VA		
Name (HUB):			
Facility Name (HUB):			
Facility Addr 1 (HUB):			
Facility Addr 2 (HUB):			
Facility City (HUB):			
Facility ZIP 5 (HUB):			
Facility State (HUB):			
Facility Location (HUB):			
Facility Name (Red Tagged):			
Facility Address (Red Tagged):			
Source:	Registered Petroleum Storage Tanks		

Tank Information

Tank Owner ID:	30596
Tank No:	R2
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	5/7/1968
Tank Status:	REM FROM GRD	***Date Closed:***	3/3/1990
Capacity:	1000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	Yes
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	

Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No
Other:	No		
Other Specify:			

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No
Other:	No		
Other Specify:			
Spill Device Installed:	No		
Overfill Device Install:	No		
Overfill Type:			
Overfill Other Specify:			
Pipe RD MTD:	No		
Pipe RD ATG:			
Pipe RD GW Monitor:	No		
Pipe RD Vap Monitor:	No		
Pipe RD IM Dbl Wall:	No		
Pipe RD IM Sec Contain:	No		
Pipe RD ALLD:	No		
Pipe RD Tightness Test:	No		
Pipe RD Sir:	No		
Pipe RD Leak Deferred:			
Pipe RD Other:	No		
Pipe RD Other Specify:			

Tank Information

Tank Owner ID:	30596
Tank No:	R1
Tank Type:	UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	5/7/1968
Tank Status:	REM FROM GRD	***Date Closed:***	3/3/1990
Capacity:	1000		
Contents:	GASOLINE		
Other Contents:			

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	Yes
Impressed Curr:	No		
Other:	No		
Other Specify:			

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No

Other: No
Other Specify:
Spill Device Installed: No
Overfill Device Install: No
Overfill Type:
Overfill Other Specify:
Pipe RD MTD: No
Pipe RD ATG:
Pipe RD GW Monitor: No
Pipe RD Vap Monitor: No
Pipe RD IM Dbl Wall: No
Pipe RD IM Sec Contain: No
Pipe RD ALLD: No
Pipe RD Tightness Test: No
Pipe RD Sir: No
Pipe RD Leak Deferred:
Pipe RD Other: No
Pipe RD Other Specify:

Tank Information

Tank Owner ID: 30596
Tank No: R3
Tank Type: UST

Tank Details

Fed Regulated Tank:	Yes	***Install Date:***	5/7/1968
Tank Status:	REM FROM GRD	***Date Closed:***	3/3/1990
Capacity:	280		

Contents: KEROSENE
Other Contents:

Tank Materials

Asphalt/Bare Steel:	Yes	***Polyethyl Jacket:***	No
CCP/STI-P3:	No	***Concrete:***	No
Composite:	No	***Excavation Liner:***	No
Fiberglass:	No	***Secondary Contain:***	No
Lined Interior:	No	***Repaired:***	No
Double Walled:	No	***Unknown:***	Yes
Impressed Curr:	No		

Other: No
Other Specify:

Pipe Materials

Piping Type:	UNKNOWN	***Double Walled:***	No
Asphalt/Bare Steel:	No	***Impressed Current:***	
Galvanized Steel:	Yes	***Polyflexible:***	No
Fiberglass:	No	***Secondary Contain:***	No
Copper:	No	***Repaired:***	No
Cathodical Protect:	No	***Unknown:***	No

Other: No
Other Specify:

Tank/Pipe Release Detection

Manual Gauging:	No	***Groundwatr Monitor:***	No
Tightness Testing:	No	***IM Dbl Walled:***	No
Inventory Controls:	No	***IM Sec Contain:***	No
ATG:	No	***Tank Rd Sir:***	No
Vapor Monitoring:	No	***Leak Deferred:***	No

Other:	No
Other Specify:	
Spill Device Installed:	No
Overfill Device Install:	No
Overfill Type:	
Overfill Other Specify:	
Pipe RD MTD:	No
Pipe RD ATG:	
Pipe RD GW Monitor:	No
Pipe RD Vap Monitor:	No
Pipe RD IM Dbl Wall:	No
Pipe RD IM Sec Contain:	No
Pipe RD ALLD:	No
Pipe RD Tightness Test:	No
Pipe RD Sir:	No
Pipe RD Leak Deferred:	
Pipe RD Other:	No
Pipe RD Other Specify:	

Owner

Tank Owner ID:	30596	***No of Active AST:***	0
Owner Type:	COMMERCIAL	***No of Active UST:***	0
Region:	BRROR	***No of Inactive AST:***	0
Federal Regulated:	Yes	***No of Inactive UST:***	3
Facility Active:	No		

Name:	HILL TOP SERVICE STATION
Owner Name:	SAUNDERS CONSTRUCTION CO / Nel-Co Oil Co
Owner Address 1:	RT 2 BOX 3
Owner Address 2:	
Owner City:	ARRINGTON
Owner State:	VA
Owner ZIP 5:	22922
Owner ZIP 4:	

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Nov 14, 2023

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Nov 14, 2023

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Oct 2, 2023

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Oct 2, 2023

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Oct 2, 2023

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Oct 2, 2023

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Oct 2, 2023

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Oct 2, 2023

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Oct 2, 2023

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Dec 26, 2023

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Dec 26, 2023

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Oct 26, 2023

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Feb 20, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: May 2, 2023

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: May 2, 2023

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Sep 20, 2023

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Sep 22, 2023

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Nov 14, 2023

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Dec 26, 2023

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

Solid Waste Landfills: SWF/LF

The solid waste program in the Department of Environmental Quality (DEQ) is designed to encourage the reuse and recycling of solid waste and to regulate the disposal and treatment of solid waste, including regulated medical waste, and to ensure that hazardous waste is properly managed. Standards are designed to protect human health and the environment and driven by regulatory requirements.

Government Publication Date: Jun 19, 2023

Leaking Petroleum Storage Tanks: LST

This list of leaking aboveground and underground storage tank facilities is maintained by the Virginia Department of Environmental Quality (DEQ). Tank owners are required to report all releases to the appropriate regional DEQ office promptly so that staff can provide guidance. The facilities included on this list are sourced from the DEQ's Clean Up Activities Petroleum Release file and applicable Open Data Portal layer file.

Government Publication Date: Jan 22, 2024

Delisted Leaking Petroleum Storage Tanks: DELISTED LST

Facilities which have been removed from the list of leaking petroleum storage tanks made available by the Virginia Department of Environmental Quality (DEQ). Facilities may be removed from the lists of leaking petroleum tanks when it is determined that the release reported is not an actual release, or the released substance is not petroleum - these sites may still have endured non-petroleum hazardous substance releases.

Government Publication Date: Jan 22, 2024

Underground Storage Tanks: UST

This list of underground storage tank (UST) facilities is provided by the Virginia Department of Environmental Quality (DEQ). The listing includes applicable facilities from the DEQ's Tank Registration file/s, Open Data Portal layer file/s, and also the Red Tagged Facility list where the DEQ prohibits fuel deliveries at these facilities which are not in compliance with the UST regulations. When the DEQ places a red tag on a tank, fuel deliveries to the tagged tank are not allowed until the violations have been fixed.

Government Publication Date: Jan 22, 2024

Aboveground Storage Tanks: AST

This list of aboveground storage tank facilities is provided by the Virginia Department of Environmental Quality (DEQ). The listing includes applicable facilities from the DEQ's Tank Registration files as well as applicable Open Data Portal layer file/s.

Government Publication Date: Jan 22, 2024

Storage Tank Facilities: TANK

This list of storage tank facilities where tank details are not available, such as tank type not distinguished as aboveground or underground, is provided by the Virginia Department of Environmental Quality (DEQ). The listing includes applicable facilities from the DEQ's Land & Waste Division Tank Registration files as well as Open Data Portal layer files.

Government Publication Date: Jan 22, 2024

Delisted Tanks: DELISTED TANK

Facilities which have been removed from the list of registered aboveground and/or underground storage tanks made available by the Virginia Department of Environmental Quality (DEQ). Facilities may be removed from the lists of registered tanks when it is determined that the tank does not require registration, for example, due to capacity or contents.

Government Publication Date: Jan 22, 2024

Institutional Controls: INST

Institutional controls are legal or contractual restrictions on property use that remain effective after remediation is completed and are used to satisfy remediation levels. This list is maintained by the Department of Environmental Quality (DEQ).

Government Publication Date: Jan 16, 2024

Voluntary Remediation Program: VRP

The Voluntary Remediation Program is to encourage hazardous substance cleanups that might not otherwise take place. The program is a streamlined mechanism for site owners or operators to voluntarily address contamination at sites with concurrence from the Department of Environmental Quality (DEQ).

Government Publication Date: Jan 16, 2024

Brownfields Site Specific Assessments: BROWNFIELDS

A brownfield is a property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. This list of brownfield properties was provided directly by the Virginia Department of Environmental Quality (DEQ), with the source data originating from the U.S. Environmental Protection Agency's (US EPA) Assessment, Cleanup and Redevelopment Exchange System (ACRES) database. Brownfield Grantees electronically submit data directly to the US EPA for inclusion in ACRES.

Government Publication Date: Feb 1, 2024

Tribal

Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 3, which includes Virginia, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Apr 12, 2019

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 3, which includes Virginia, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 4, 2018

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 25, 2023

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 25, 2023

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Nov 15, 2023

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 8, 2023

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Oct 19, 2022

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Dec 18, 2023

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to September 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Sep 5, 2023

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: May 19, 2023

National Response Center PFAS Spills: ERNS PFAS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Jan 24, 2024

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Feb 19, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Oct 19, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Feb 25, 2024

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Dec 4, 2023

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: Nov 26, 2023

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Jul 26, 2023

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).
Government Publication Date: Jan 26, 2024

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
Government Publication Date: Aug 26, 2023

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Jan 20, 2024

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: Jan 20, 2024

Formerly Used Defense Sites: FUDS
Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Nov 6, 2023

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: May 1, 2023

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into eAMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Jun 13, 2023

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 30, 2023

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Apr 19, 2023

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Mar 1, 2023

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 30, 2023

State

Spills: SPILLS

The Department of Environmental Quality (DEQ) Pollution Response Program (PREP), provides for responses to air, water and waste pollution incidents in order to protect human health and the environment. PREP staff often work to assist local emergency responders, other state agencies, federal agencies, and responsible parties, as may be needed, to manage pollution incidents. Oil spills, fish kills, and hazardous materials spills are examples of incidents that may involve the DEQ's PREP Program.

Government Publication Date: Jan 18, 2024

Pollution Complaint: PC SPILLS

The database contains a listing of Pollution Complaints from 1986 to 1994 that include petroleum releases and other releases on state land and waters. This list is maintained by the Department of Environmental Quality (DEQ).

Government Publication Date: 1986-1994

Dry Cleaning Facilities: DRYCLEANERS

A listing of registered drycleaners maintained by the Department of Environmental Quality.

Government Publication Date: Jan 25, 2024

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
68000	VA	08/05/2003	1	3009166	000

NFIRS - 1 Basic

B Location

Address Type	Number/Milepost	Prefix	Street or Highway	Street Type	Suffix
1 - Street addres	800-BLK		CLAY	Street	

Apt./Suite/Room	City	State	Zip Code
	LYNCHBURG	VA	24501

Census Tract	Cross street or directions, as applicable
000600	8TH ST

C Incident Type

411 - Gasoline or other

D Aid Given or Received

Their FDID	Their State	Their Incident Number

N - None

E1 Dates & Times

Midnight is 0000

	Month	Day	Year	Hour	Min	Seconds
Alarm	08/05/2003			12:45:38		
Arrival	08/05/2003			12:47:27		
Controlled	08/05/2003			12:47:27		
Last Unit Cleared	08/05/2003			13:00:51		

E2 Shifts & Alarms

Local Option

Shift or platoon	Alarms	District
B	1	7

E3 Special Studies

Local Option

Special Study ID#	Special Study Value

F Actions Taken

45 - Remove hazard

G1 Resources

[Y] Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression	1	1
EMS	0	0
Other	0	0

[ ] Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

Property	$ 0
Contents	$ 0

PRE-INCIDENT VALUE: Optional

Property	$ 0
Contents	$ 0

H1 Casualties

	Deaths	Injuries
Fire Service	0	0
Civilian	0	0

H2 Detector

H3 Hazardous Materials Release

N - None

I Mixed Use Property

NN - Not mixed use

J Property Use

962 - Residential street, road or residential d

K1 Person/Entity Involved

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

K2 Owner

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
68000	VA	08/05/2003	1	3009166	000

NFIRS Remarks

Remarks

Responded to the 900 blk of Clay St. for a vehicle leaking fuel. Upon arrival found a Nissan 3000 ZX that belongs to a Sheriff's Dept. employee, leaking a small amount of gas from fuel fill.. Other employees on the scene states owner is out of town on a transport. Unable to get to fuel cap due to flap being locked . Rescue 1 reponded with tools needed to gain entry into vehicle. Upon gaining entry into vehicle discovered a extra fuel cap inside vehicle. Vehicle seemed to be over filled with gas, and setting on an incline causing the leak. Removed the existing cap and replaced with cap found inside vehicle, whiched stopped the flow of gas. Placed small amount of hi dri on the spill and left removed cap with another employee who will give it to the owner.

M Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month Day Year
9345	RICHARD BRADNER	FF III	E-1	08/05/2003
3874	JODY MAYBERRY	FF III	E-1	08/05/2003

Member making report ID

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure	NFIRS - 9 Apparatus or Resources
68000	VA	08/05/2003	1	3009166	000	

B Apparatus or Resource (Use codes listed below)	Dates and Times (Month Day Year Hours/Mins)	Sent (X)	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken
1 ID: E1 Type: 11	Dispatch: 08/05/2003 12:45 Arrival: 08/05/2003 12:47 Clear: 08/05/2003 13:00	X	4	1 - Suppress	
2 ID: Type:	Dispatch: Arrival: Clear:				
3 ID: Type:	Dispatch: Arrival: Clear:				
4 ID: Type:	Dispatch: Arrival: Clear:				
5 ID: Type:	Dispatch: Arrival: Clear:				
6 ID: Type:	Dispatch: Arrival: Clear:				
7 ID: Type:	Dispatch: Arrival: Clear:				
8 ID: Type:	Dispatch: Arrival: Clear:				
9 ID: Type:	Dispatch: Arrival: Clear:				
10 ID: Type:	Dispatch: Arrival: Clear:				
11 ID: Type:	Dispatch: Arrival: Clear:				
12 ID: Type:	Dispatch: Arrival: Clear:				
13 ID: Type:	Dispatch: Arrival: Clear:				

A	68000	VA	MM DD YYYY 08/05/2003	1	3009166	000	NFIRS - 10 Personnel
	FDID	State	Incident Date	Station	Incident Number	Exposure	

B Apparatus or Resource	Dates and Times (Month Day Year Hours/Mins)	Sent [X]	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
1 ID: E1 Type: 11	Dispatch 08/05/2003 12:45:38 Arrival 08/05/2003 12:47:27 Clear 08/05/2003 13:00:51	Sent: X	4 #	1 - Suppressi	

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken

2 ID: Type:	Dispatch Arrival Clear	Sent	#		

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken

3 ID: Type:	Dispatch Arrival Clear	Sent	#		

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
68000	VA	09/01/2023	1	0012587	000

NFIRS - 1 Basic

B Location

Address Type	Number/Milepost	Prefix	Street or Highway	Street Type	Suffix
1 - Street addres	805		COURT	Street	

Apt./Suite/Room	City	State	Zip Code
	LYNCHBURG	VA	24504

Census Tract:

Cross street or directions, as applicable:

C Incident Type

412 - Gas leak (natural

Incident Type

D Aid Given or Received

Their FDID	Their State	Their Incident Number

N - None

Type Aid Given or Recieved

E1 Dates & Times (Midnight is 0000)

	Month Day Year	Hour Min Seconds
Alarm	09/01/2023	12:37:09
Arrival	09/01/2023	12:41:35
Controlled		
Last Unit Cleared	09/01/2023	13:18:18

E2 Shifts & Alarms (Local Option)

Shift or platoon	Alarms	District
B		B1

E3 Special Studies (Local Option)

Special Study ID#	Special Study Value
9244	3

F Actions Taken

86 - Investigate

Actions Taken

G1 Resources

[Y] Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression	2	6
EMS	0	0
Other	1	3

[ ] Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

Property $

Contents $

PRE-INCIDENT VALUE: Optional

Property $

Contents $

H1 Casualties

	Deaths	Injuries
Fire Service	0	0
Civilian	0	0

H2 Detector

H3 Hazardous Materials Release

I Mixed Use Property

J Property Use: 365 - Police station

K1 Person/Entity Involved

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

K2 Owner

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
68000	VA	09/01/2023	1	0012587	000

NFIRS Remarks

Remarks

Engine 1, Engine 7, and Rescue 1 was dispatched to the above address for a gas leak. Engine 1 arrived on scene and established command. Engine 1 entered the structure and monitored for gas. Finding nothing Engine 1, Engine 7, and Rescue 1 monitored and attempted to detect any Gas outside the structure. Finding nothing all units cleared the scene and returned the service.

M Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month	Day	Year
74076	HOLLY SHACKELFORD	Master Fir				

Member making report ID	Signature	Position or rank	Assignment	Month	Day	Year
76058	JOSHUA GRYDER	Firefighte				

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure	NFIRS - 9 Apparatus or Resources
68000	VA	09/01/2023	1	0012587	000	

B Apparatus or Resource (Use codes listed below)	Dates and Times (Month Day Year Hours/Mins)	Sent (X)	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken
1 ID: Type: 11	Dispatch: 09/01/2023 12:40 Arrival: 09/01/2023 12:41 Clear: 09/01/2023 13:18	X	3	1 - Suppress	81, 86
2 ID: Type: 11	Dispatch: 09/01/2023 12:40 Arrival: 09/01/2023 12:51 Clear: 09/01/2023 13:18	X	3	1 - Suppress	86
3 ID: Type: 20	Dispatch: 09/01/2023 12:40 Arrival: 09/01/2023 12:52 Clear: 09/01/2023 13:18	X	3	0 - Other	86
4 ID: Type:	Dispatch: Arrival: Clear:				
5 ID: Type:	Dispatch: Arrival: Clear:				
6 ID: Type:	Dispatch: Arrival: Clear:				
7 ID: Type:	Dispatch: Arrival: Clear:				
8 ID: Type:	Dispatch: Arrival: Clear:				
9 ID: Type:	Dispatch: Arrival: Clear:				
10 ID: Type:	Dispatch: Arrival: Clear:				
11 ID: Type:	Dispatch: Arrival: Clear:				
12 ID: Type:	Dispatch: Arrival: Clear:				
13 ID: Type:	Dispatch: Arrival: Clear:				

A	68000	VA	09/01/2023	1	0012587	000	NFIRS - 10 Personnel
	FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure	

B Apparatus or Resource	Dates and Times (Month Day Year Hours/Mins)	Sent [X]	Number of People	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
1 ID Type 11	Dispatch 09/01/2023 12:40:00 Arrival 09/01/2023 12:41:35 Clear 09/01/2023 13:18:18	Sent X	3 #	1 - Suppressi	81 86

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
74076	SHACKELFORD						
76058	GRYDER, JOS						
75129	BERGERON, B						

2 ID Type 11	Dispatch 09/01/2023 12:40:00 Arrival 09/01/2023 12:51:09 Clear 09/01/2023 13:18:18	Sent X	3 #	1 - Suppressi	86

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
74747	KILGORE, CA						
76320	OVERSTREET,						
76194	ANDERSON, J						

3 ID Type 20	Dispatch 09/01/2023 12:40:00 Arrival 09/01/2023 12:52:50 Clear 09/01/2023 13:18:18	Sent X	3 #	0 - Other	86

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
74072	GUTHRIE, TR						
72318	THOMAS, NIC						
76766	Stanley, Sh						

A

FDID	State	Incident Date (MM DD YYYY)	Station	Incident Number	Exposure
68000	VA	12/22/2006	1	6016143	000

NFIRS - 1 Basic

B Location

Address Type	Number/Milepost	Prefix	Street or Highway	Street Type	Suffix
1 - Street addres	805		COURT	Street	

Apt./Suite/Room	City	State	Zip Code
PARKING	LYNCHBURG	VA	24504

Census Tract: 000500

Cross street or directions, as applicable: 8TH ST

C Incident Type

413 - Oil or other combu

D Aid Given or Received

Their FDID | Their State | Their Incident Number

Type Aid Given or Recieved: N - None

E1 Dates & Times

Midnight is 0000

	Month	Day	Year	Hour	Min	Seconds
Alarm	12/22/2006			09:37:15		
Arrival	12/22/2006			09:38:57		
Controlled	12/22/2006			09:38:57		
Last Unit Cleared	12/22/2006			10:14:08		

E2 Shifts & Alarms

Local Option

Shift or platoon	Alarms	District
A	1	7

E3 Special Studies

Local Option

Special Study ID# | Special Study Value

F Actions Taken

45 - Remove hazard

Actions Taken

G1 Resources

[Y] Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression	2	2
EMS	0	0
Other	0	0

[ ] Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

Property	$ 0
Contents	$ 0

PRE-INCIDENT VALUE: Optional

Property	$ 0
Contents	$ 0

H1 Casualties

	Deaths	Injuries
Fire Service	0	0
Civilian	0	0

H2 Detector

U - Unknown

H3 Hazardous Materials Release

N - None

I Mixed Use Property

NN - Not mixed use

J Property Use

882 - Parking garage, general vehicle

K1 Person/Entity Involved

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

K2 Owner

Mr., Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code | Business name (if applicable) | Area Code | Phone Number

Appendix B:
User Questionnaire

Site Name and Address: **West Building, 805 Court Street, Lynchburg, VA**					
Question	**☒ Owner ☐ Occupant ☐ Potential Purchaser**			**Observed During Site Visit**	
1a. Is the *property* used for an industrial use?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
1b. Is the *adjoining property* used for an industrial use?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
2a. Did you observe evidence or do you have any prior knowledge that the *property* has been used for an industrial use in the past?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
2b. Did you observe evidence or do you have any prior knowledge that the *adjoining property* has been used for an industrial use in the past?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
3a. Is the *property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
3b. Is any *adjoining property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
4a. Did you observe evidence or do you have any prior knowledge that the *property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No

Site Name and Address: West Building, 805 Court Street, Lynchburg, VA					
Question	☒ **Owner** ☐ **Occupant** ☐ **Potential Purchaser**			**Observed During Site Visit**	
4b. Did you observe evidence or do you have any prior knowledge that the *adjoining property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
5a. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the *property* or at the facility?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the *property* or at the facility?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
6a. Are there currently any industrial drums (typically 55-gallon (208L)) or sacks for chemicals located on the *property* or at the facility?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
6b. Did you observe evidence or do you have any prior knowledge that there have been previously any industrial drums (typically 55-gallon (208L)) or sacks for chemicals located on the *property* or at the facility?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No

Site Name and Address: **West Building, 805 Court Street, Lynchburg, VA**					
Question	☒ **Owner** ☐ **Occupant** ☐ **Potential Purchaser**			**Observed During Site Visit**	
7a. Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the *property* that originated from a contaminated site?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
7b. Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the *property* that is of an unknown origin?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
8a. Are there currently any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
8b. Did you observe evidence or do you have any prior knowledge that there have previously been pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
9a. Is there currently any stained soil on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
9b. Did you observe evidence or do you have any prior knowledge that there has been previously, any stained soil on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
10b. Did you observe evidence or do you have any prior knowledge that there has been previously any registered or unregistered storage tanks (above or underground) located on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
11a. Are there currently any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No

Site Name and Address: **West Building, 805 Court Street, Lynchburg, VA**					
Question	**☒ Owner ☐ Occupant ☐ Potential Purchaser**			**Observed During Site Visit**	
11b. Did you observe evidence or do you have any prior knowledge that there have been previously any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
12a. Is there currently evidence of leaks, spills, or staining by substances other than water or foul odors associated with any flooring, drains, walls, ceilings, or exposed grounds on the *property*?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
12b. Did you observe evidence or do you have prior knowledge that there have been previously any leaks, spills, or staining by substances other than water or foul odors associated with any flooring, drains, walls, ceilings, or exposed grounds on the *property*?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
13a. If the *property* is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
13b. If the *property* is served by a private well or non-public system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No

Site Name and Address: **West Building, 805 Court Street, Lynchburg, VA**					
Question	☒ **Owner** ☐ **Occupant** ☐ **Potential Purchaser**			**Observed During Site Visit**	
14. Does the owner or occupant of the *property* have any knowledge of environmental liens or government notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
15a. Has the owner or occupant of the *property* been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
15b. Has the owner or occupant of the property been informed of the current existence of hazardous substances or petroleum products with respect to the *property* or any facility located on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
15c. Has the owner or occupant of the property been informed of the past existence of environmental violations with respect to the *property* or any facility located on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
15d. Has the owner or occupant of the *property* been informed of the current existence of environmental violations with respect to the *property* or any facility located on the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
16. Does the owner or occupant of the *property* have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the *property* or recommended further assessment of the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No

Site Name and Address: **West Building, 805 Court Street, Lynchburg, VA**					
Question	☐ **Owner** ☐ **Occupant** ☐ **Potential Purchaser**			**Observed During Site Visit**	
17. Does the owner or occupant of the *property* know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the *property* by any owner or occupant of the *property*?	☐ Yes	☐ No	☒ Unk	☐ Yes	☐ No
18a. Does the *property* discharge waste water (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a stormwater system?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
18b. Does the *property* discharge waste water (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a sanitary sewer system?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
19. Did you observe evidence or do you have any prior knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste material have been dumped above grade, buried, and/or burned on the *property*?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	☐ Yes	☒ No	☐ Unk	☐ Yes	☐ No

Unk = "Unknown" or "No Response"

23. Please use the space below to explain questions that were answered, "yes" throughout the questionnaire.

The preparer of this transaction screen questionnaire must complete and sign the following statement. Preparer represents that, to the best of the preparer's knowledge, the above statements and facts are true and correct and, to the best of the preparer's actual knowledge, no material facts have been suppressed or misstated.

This questionnaire was completed by:

Name: STEVEN BAILEY

Title: BUILDING MAINTENANCE MGR

Firm: CITY OF LYNCHBURG

Address: 800 ORCHARD STREET
LYNCHBURG, VA

Telephone: 434-382-7028

Signature:

Date: 4-9-2024

Role(s) at the site: BUILDING MAINT. MGR.

Number of years at the site: 5

Relationship to user (for example, principal, employee, agent, consultant): EMPLOYEE

Phase I Environmental Site Assessment
User Questionnaire

Pursuant to ASTM E1527-21 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Practice E1527-21), in order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the User must conduct the following inquiries required by 40 C.F.R. §§ 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The User should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

The "User" is defined in ASTM Practice E1527-21 as the *party seeking to use Practice E1527 to complete an environmental site assessment of the subject property. A User may include, without limitation, a potential purchaser of subject property, a potential tenant of subject property, an owner of subject property, a lender, or a property manager.*

Thank you for taking the time to complete this questionnaire. If you have any questions, please contact TRC Project Manager Ryan Sadler at rsadler@trccompanies.com or 919-827-0864.

User Name: Steven Bailey **Company:** City of Lynchburg

Address: 805 Court Street **Phone No.:** 434-941-1150

Email: steven.bailey@lynchburgva.gov

Purpose of ASTM Phase I ESA (potential purchase, potential sale, re-finance, update the environmental condition of the subject property, lease termination or initiation, etc.):

Subject property name and address:

West Building - 805 Court Street, Lynchburg, VA

Signature: _____ **Date:** _____

(1.) Environmental cleanup liens that are filed or recorded against the subject property (40 C.F.R. § 312.25)

Did a search of land title records (or judicial records where appropriate[1]) identify any environmental liens filed or recorded against the subject property under federal, tribal, state, or local law? **Yes** ☐ **No** ☐

I am not aware

[1] In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2.) Activity and use limitations (AULs) that are in place on the subject property or that have been filed or recorded against the subject property

Did a search of land title records (or judicial records where appropriate, see footnote 1 above) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded against the subject property under federal, tribal, state or local law? **Yes** ☐ **No** ☐

! am not aware

(3.) Specialized knowledge or experience of the person seeking to qualify for the *Landowner Liability Protection* (LLP) (40 C.F.R. § 312.28)

Do you have any specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? **Yes** ☐ **No** ☐

I am not aware

(4.) Relationship of the purchase price to the fair market value of the subject property (40 C.F.R. § 312.29)

Does the purchase price being paid for the subject property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the subject property? **Yes** ☐ **No** ☐

I am not aware

(5.) Commonly known or reasonably ascertainable information about the subject property (40 C.F.R. § 312.30)

Are you aware of commonly known or reasonably ascertainable information about the subject property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, **Yes** ☐ **No** ☐

(a.) Do you know the past uses of the subject property?

(b.) Do you know of specific chemicals that are present or once were present at the subject property?

(c.) Do you know of spills or other chemical releases that have taken place at the subject property?

(d.) Do you know of any environmental cleanups that have taken place at the subject property?

I know the past use was a church. I am not aware of any chemicals that could have been released or involved in a cleanup.

(6.) The degree of obviousness of the presence or likely presence of contamination at the subject property, and the ability to detect the contamination by appropriate investigation (40 C.F.R. § 312.31)

	Yes	No
Based on your knowledge and experience related to the subject property, are there any obvious indicators that point to the presence or likely presence of releases at the subject property?	☐	☐

Not to my knowledge

(7.) Proceedings Involving the Subject Property

	Yes	No
Are you aware of**:** (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the subject property; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products at the subject property?	☐	☐

Not to my knowledge

(8.) Questions Regarding Helpful Documents

Are you aware of the presence of any of the documents listed below and, if so, whether copies can and will be provided to TRC within reasonable time and cost constraints?	Yes	No
• Environment site assessment reports (Not to my knowledge)	☐	☐
• Environment compliance audit reports (Not to my knowledge)	☐	☐
• Environmental permits (e.g., solid waste disposal permits; hazardous waste disposal permits; wastewater permits; National Pollutant Discharge Elimination System [NPDES] permits; or underground injection permits) (Not to my knowledge)	☐	☐
• Registrations for underground and aboveground storage tanks (Not to my knowledge)	☐	☐
• Registrations for underground injection systems (Not to my knowledge)	☐	☐
• Safety Data Sheets (SDSs) (I am not aware)	☐	☐
• Community Right-To-Know plan(s) (I am not aware)	☐	☐
• Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc., (I am not aware)	☐	☐
• Reports regarding hydrogeologic conditions at the subject property and surrounding area **(I am not aware)**	☐	☐
• Notices or other correspondence from any government agency regarding current or previous violations of environmental laws with respect to the subject property or relating to environmental liens encumbering the subject property	☐	☐
• Hazardous waste generator notices or reports (I am not aware)	☐	☐
• Geotechnical studies (I am not aware)	☐	☐
• Risk assessments (I am not aware)	☐	☐

- Recorded liens/AULs. ☐ ☐

Blank space for additional information:

Phase I Environmental Site Assessment
User Questionnaire

Pur□u□nt to A□TM E□□□□□□□□ *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (A□TM Pr□ctice E□□□□□□□□), in order to □u□lify for one of the L□ndo□ner Li□bility Protection□ (LLP□) offered by the □m□ll Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the □□er mu□t conduct the follo□ing in□uirie□ re□uired by □□ C□F□R□□□ □□□□□□□□, □□□□□□□□, □□□□□□□□, □□□□□□□□, □nd □□□□□□□□ The□e in□uirie□ mu□t □l□o be conducted by EPA Bro□nfield A□□e□□ment □nd Ch□r□cteri□□tion gr□ntee□□ The □□er □hould provide the follo□ing inform□tion to the environment□l profe□□ion□l□ F□ilure to conduct the□e in□uirie□ could result in a determination that "all appropriate in□uirie□" is not complete.

The "User" is defined in A□TM Pr□ctice E□□□□□□□□ □□ the *party seeking to use Practice E1527 to complete an environmental site assessment of the subject property. A User may include, without limitation, a potential purchaser of subject property, a potential tenant of subject property, an owner of subject property, a lender, or a property manager.*

Th□n□you for t□□ing the time to complete thi□ □ue□tionn□ire□ If you h□ve □ny □ue□tion□, ple□□e cont□ct TRC Pro□ect M□n□ger Ry□n □□dler □t r□□dler□ trccomp□nie□□com or □□□□□□□□□□□□□□

User Name: M□r□ette G□□p□hur **Company:** Economic Development Authority of Lynchburg, VA (EDA)

Address: □□□ Church □t□ Lynchburg, VA □□□□□ **Phone No.:** □□□□□□□□□□□□

Email: m□r□ette□up□hur□ lynchburgv□□gov

Purpose of ASTM Phase I ESA (potential purchase, potential sale, re-finance, update the environmental condition of the subject property, lease termination or initiation, etc.):

Updating Site Condition for Redevelopment

Subject property name and address:

805 Court Street, Lynchburg, Virginia

Signature: Marjette D. Upshur **Date:** 4-5-24

(1.) Environmental cleanup liens that are filed or recorded against the subject property (40 C.F.R. § 312.25)

	Yes	No
Did □ □e□rch of l□nd title record□ (or □udici□l record□ □here □ppropri□te[1]) identify □ny environment□l lien□ filed or recorded □g□in□t the □ub□ect property under feder□l, trib□l, □t□te, or loc□l l□□□	☐	☒

The re□pondent h□□ no □no□ledge of thi□ property □pecific□ including item□ under thi□ □ue□tion□

[1] In cert□in □uri□diction□, feder□l, trib□l, □t□te, or loc□l □t□tute□, or regul□tion□ □pecify th□t environment□l lien□ □nd A□L□ be filed in □udici□l record□ r□ther th□n in l□nd title record□□ In □uch c□□e□ □udici□l record□ mu□t be □e□rched for environment□l lien□ □nd A□L□□

(2.) Activity and use limitations (AULs) that are in place on the subject property or that have been filed or recorded against the subject property

	Yes	No
Did □ □e□rch of l□nd title record□(or □udici□l record□ □here □ppropri□te, □ee footnote □ □bove) identify □ny A□L□, □uch □□engineering control□, l□nd u□e re□triction□or in□titution□l control□ th□t □re in pl□ce □t the □ub□ect property □nd□or h□ve been filed or recorded □g□in□t the □ub□ect property under feder□l, trib□l, □t□te or loc□l l□□□	☐	☒

The re□pondent h□□no □no□ledge of thi□property □pecific□including item□under thi□ □ue□tion□

(3.) Specialized knowledge or experience of the person seeking to qualify for the *Landowner Liability Protection* (LLP) (40 C.F.R. § 312.28)

	Yes	No
Do you h□ve □ny □peci□li□ed □no□ledge or e□perience rel□ted to the □ub□ect property or ne□rby propertie□□ For e□□mple, □re you involved in the □□me line of bu□ine□□ □□the current or former occup□nt□of the □ub□ect property or □n □d□oining property □o th□t you □ould h□ve □peci□li□ed □no□ledge of the chemic□l□ □nd proce□□e□u□ed by thi□type of bu□ine□□□	☐	☒

The re□pondent h□□no □no□ledge of thi□property □pecific□including item□under thi□ □ue□tion□

(4.) Relationship of the purchase price to the fair market value of the subject property (40 C.F.R. § 312.29)

	Yes	No
Doe□the purch□□e price being p□id for the □ub□ect property re□□on□bly reflect the f□ir m□r□et v□lue of the property? If you conclude th□t there i□ □difference, h□ve you con□idered □hether the lo□er purch□□e price i□bec□u□e cont□min□tion i□ □no□n or believed to be pre□ent □t the □ub□ect property?	☐	☒

The re□pondent h□□no □no□ledge of thi□property □pecific□including item□under thi□ □ue□tion□

(5.) Commonly known or reasonably ascertainable information about the subject property (40 C.F.R. § 312.30)

	Yes	No
Are you □□□re of commonly □no□n or re□□on□bly □□cert□in□ble inform□tion □bout the □ub□ect property th□t □ould help the environment□l profe□□ion□l to identify condition□ indic□tive of rele□□e□or thre□tened rele□□e□□ For e□□mple,	☐	☒

(□) Do you □no□ the p□□t u□e□of the □ub□ect property?

(b) Do you □no□ of □pecific chemic□l□th□t □re pre□ent or once □ere pre□ent □t the □ub□ect property?

(c) Do you □no□ of □pill□ or other chemic□l rele□□e□th□t h□ve t□□en pl□ce □t the □ub□ect property?

(d) Do you □no□ of □ny environment□l cle□nup□ th□t h□ve t□□en pl□ce □t the □ub□ect property?

The re□pondent h□□no □no□ledge of thi□property □pecific□including item□under thi□ □ue□tion□

(6.) The degree of obviousness of the presence or likely presence of contamination at the subject property, and the ability to detect the contamination by appropriate investigation (40 C.F.R. § 312.31)

	Yes	No
Based on your knowledge and experience related to the subject property, are there any obvious indicators that point to the presence or likely presence of release at the subject property?	☐	☒

The respondent has no knowledge of this property specific including items under this question.

(7.) Proceedings Involving the Subject Property

	Yes	No
Are you aware of: (a) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; (b) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the subject property; and (c) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products at the subject property?	☐	☒

The respondent has no knowledge of this property specific including items under this question.

The respondent has no knowledge of this property specific including items under question 7, below.

(8.) Questions Regarding Helpful Documents

Are you aware of the presence of any of the documents listed below and, if so, whether copies can and will be provided to TRC within reasonable time and cost constraints	Yes	No
• Environmental site assessment report;	☐	☒
• Environmental compliance audit report;	☐	☒
• Environmental permits (e.g., solid waste disposal permits, hazardous waste disposal permits, waste water permits, National Pollutant Discharge Elimination System (NPDES) permits, or underground injection permits)	☐	☒
• Registrations for underground and aboveground storage tanks	☐	☒
• Registrations for underground injection systems;	☐	☒
• Safety Data Sheets (SDS)	☐	☒
• Community Right-To-Know plan(s)	☐	☒
• Safety plans, prevention and prevention plans, spill prevention, countermeasure, and control plans, etc.,	☐	☒
• Reports regarding hydrogeologic conditions at the subject property and surrounding area;	☐	☒
• Notices or other correspondence from any government agency regarding current or previous violations of environmental laws with respect to the subject property or relating to environmental liens encumbering the subject property	☐	☒
• Hazardous waste generator notices or reports;	☐	☒
• Geotechnical studies;	☐	☒
• Risk assessment;	☐	☒
• Recorded liens, AULs	☐	☒

Bl□n□ □p□ce for □ddition□l inform□tion□

Appendix C:
Historical Research Documentation

Property Information Report

City of Lynchburg Assessor's Office
900 Church Street
Lynchburg, VA 24504
Telephone: (434) 455-3830
8:30a.m. - 5:00 p.m. Mon - Fri

Parcel ID:	02445003	**Owner:**	CITY OF LYNCHBURG CITY MANAGER'S OFFICE
Property Address:	805 COURT ST LYNCHBURG, VA 24504	**Mailing Address:**	900 CHURCH ST LYNCHBURG, VA 24504-1620

Property Descriptions	
Legal Description:	COURT HOUSE HILL, BLK 117,119
Neighborhood:	1300 : DOWNTOWN-CENTRAL BUSINESS DIST
Property Class:	741 : EXEMPT - CITY GOVERNMENT

Land Information	
Area:	Legal Acreage: 0.000 GIS Acreage: 0.600
Frontage:	198.00ft
Depth:	132ft

Special Assessments	
Participant in Land Use:	NO
Land Use Deferral Amount:	--
Participant in Rehab Program:	NO
Exempt Amount:	--
Participant Until:	--

School Zones	
Elementary School:	PERRYMONT ELEMENTARY
Middle School:	PL DUNBAR MIDDLE
High School:	HERITAGE HIGH

Zoning:	**Zoning Description:**
B-1	Limited Business

Ownership History

Sale Date	Sale Amount	Seller's Name	Buyer's Name	Document No	Deed Bk / Pg	Conveyance
12/28/1995	**$500,000**	**SPAIN, ERIC N**	**CITY OF LYNCHBURG**		**945 528**	**DEED**
12/30/1994	**$195,000**	**FIRST UNITED METHODIST CHURCH**	**SPAIN, ERIC N**		**915 27**	**DEED**
1/1/1852	**$0**	**CAMPBELL COUNTY ANNEXATION 1852**				

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Assessment

Year	Land Value	Improvement value	Total Value	Assessment Date	Notes
2023	$261,400	$1,038,600	$1,300,000	7/1/2023	Current Assessment
2022	$261,400	$1,153,700	$1,415,100	7/1/2022	
2021	$261,400	$1,153,700	$1,415,100	7/1/2021	
2020	$261,400	$1,205,200	$1,466,600	7/1/2020	
2019	$261,400	$1,205,200	$1,466,600	7/1/2019	
2018	$149,100	$1,184,400	$1,333,500	7/1/2018	
2017	$149,100	$1,184,400	$1,333,500	7/1/2017	
2016	$149,100	$1,184,400	$1,333,500	7/1/2016	
2015	$149,100	$1,184,400	$1,333,500	7/1/2015	
2014	$149,100	$1,184,400	$1,333,500	7/1/2014	
2013	$149,100	$1,184,400	$1,333,500	7/1/2013	
2012	$149,100	$1,184,400	$1,333,500	7/1/2012	
2011	$149,100	$1,184,400	$1,333,500	7/1/2011	
2010	$149,100	$1,184,400	$1,333,500	7/1/2010	
2009	$149,100	$1,184,400	$1,333,500	7/1/2009	
2008	$110,800	$815,400	$926,200	7/1/2008	
2007	$110,800	$815,400	$926,200	7/1/2007	
2006	$110,800	$649,700	$760,500	7/1/2006	
2005	$110,800	$649,700	$760,500	7/1/2005	
2004	$65,400	$700,000	$765,400	7/1/2004	
2003	$65,400	$700,000	$765,400	7/1/2003	

Real Estate Property Tax Information

Total Due: $0.00

Current Year	Type	Date Due	Tax Billed	Penalty Billed	Interest Billed	Tax Paid	Penalty Paid	Interest Paid	Date Paid	Balance Due

History	Type	Tax Billed	Penalty Billed	Interest Billed	Tax Paid	Penalty Paid	Interest Paid	Date Paid	Balance Due

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Recent Sales Information by Neighborhood EXEMPT - CITY GOVERNMENT Property Class

Parcel ID	Property Address	Recorded Sale Date	Sale Amount	Seller's Name	Buyer's Name	Document Num
04513001	11 9TH ST	2/16/2018	$0	AMAZEMENT SQUARE INC	CITY OF LYNCHBURG	180000910
04514012	99 9TH ST	12/19/2012	$0	LYNCHBURG REDEVELOPMENT & HOUSING	CITY OF LYNCHBURG	120008488
04513007	23 9TH ST	11/15/2005	$129,000	AMAZEMENT SQUARE INC	CITY OF LYNCHBURG	050011696
04513007	23 9TH ST	3/7/2005	$0	AMAZEMENT SQUARE INC	AMAZEMENT SQUARE LP	050002038
04513001	11 9TH ST	2/5/2004	$0	CITY OF LYNCHBURG	AMAZEMENT SQUARE INC	
04513007	23 9TH ST	12/2/2003	$400,000	TNT LC	AMAZEMENT SQUARE INC	030014770
04514012	99 9TH ST	8/29/2003	$6,520,000	COMMERCE STREET PARTNERS LP	LYNCHBURG REDEVELOPMENT & HOUSING	030010683
04517001	900 JEFFERSON ST	9/18/2002	$0	DOWNTOWN ENTERPRISES LLC	CITY OF LYNCHBURG	020009742
04514012	99 9TH ST	12/20/2001	$0	CITY OF LYNCHBURG	LYNCHBURG REDEVELOPMENT & HOUSING	010010840
04514012	99 9TH ST	12/20/2001	$0	LYNCHBURG REDEVELOPMENT & HOUSING	COMMERCE STREET PARTNERS LP	010010841
04517001	900 JEFFERSON ST	6/23/2000	$0	DOWNTOWN PROPERTIES LTD	BASTEN, ROSALIE D	
04517001	900 JEFFERSON ST	6/23/2000	$0	BASTEN, ROSALIE D	DOWNTOWN ENTERPRISES LLC	
04514012	99 9TH ST	10/7/1999	$650,000	KRISE ASSOCIATES	CITY OF LYNCHBURG	
04513007	23 9TH ST	2/22/1999	$0	J W WOOD, INC	TUCKER, WILLIAM O JR & THORNTON, THO	
04513007	23 9TH ST	2/1/1999	$0	TUCKER, WILLIAM O JR & THORNTON, THO	TNT, LC	
04610001	1402 CHURCH ST	9/2/1998	$0	COMMONWEALTH OF VIRGINIA VDOT	CITY OF LYNCHBURG	
04517002	8 9TH ST	10/15/1996	$132,000	N & W RY	CITY OF LYNCHBURG	
04517010	12 9TH ST	10/1/1996	$132,000	VIRGINIA HOLDING CORP; N&W RAILWAY	CITY OF LYNCHBURG	
02445003	805 COURT ST	12/28/1995	$500,000	SPAIN, ERIC N	CITY OF LYNCHBURG	
02445004	820 CLAY ST	12/28/1995	$500,000	SPAIN, ERIC N	CITY OF LYNCHBURG	
02445004	820 CLAY ST	12/30/1994	$195,000	FIRST METHODIST CHURCH TRS	SPAIN, ERIC N	
02445003	805 COURT ST	12/30/1994	$195,000	FIRST UNITED METHODIST CHURCH	SPAIN, ERIC N	
04513001	11 9TH ST	2/20/1991	$59,500	N & W RR	CITY OF LYNCHBURG	
02445001	800 CLAY ST	11/15/1989	$32,500	SUNDERLAND COMPANY	SULLIVAN, WALTER F, MOST REVER	
02451005	925 CHURCH ST	12/15/1988	$140,000	CARRINGTON-DIROM COMPANY INC	CITY OF LYNCHBURG	
04514012	99 9TH ST	11/3/1988	$600,000	CRADDOCK-TERRY SHOE CORP	KRISE ASSOCIATES	
04517001	900 JEFFERSON ST	8/22/1988	$0	TUNKEL, A R	DOWNTOWN PROPERTIES LTD	
02445001	800 CLAY ST	8/31/1987	$0	BURTON, A B & SCOTT, EDWARD G 1951	SUNDERLAND COMPANY	
04601002	212 12TH ST	7/9/1986	$0	LYNCHBURG HISTORICAL FOUNDATION	CITY OF LYNCHBURG	
04601002	212 12TH ST	6/24/1986	$0	LYNCHBURG HISTORICAL FOUNDATION INC	LYNCHBURG HISTORICAL FOUNDATION INC	

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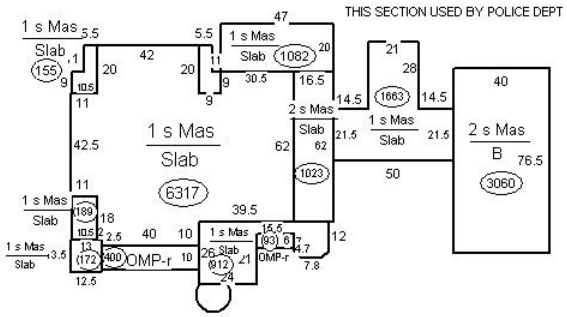
Improvement: COMMERCIAL CHURCH



Church:001

Year:	1900	**Heated Area:**	0
Size:	21868	**Frame:**	Wood Frame
Stories:	2	**Roof Description:**	SLATE/TILE
		Rooms:	0

Feature:	Open Masonry Porch
Feature Size:	400
Feature:	Open Masonry Porch
Feature Size:	93

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The City of Lynchburg, VA

Legend

- Addresses
- Street Labels
- wPressureZone
- Ingress Egress
- Prescriptive
- Private Road
- Cluster Open Space
- Stream Restoration
- Conservation, Agriculture
- Conservation, Forest
- Historic, Agriculture
- Other
- Legal Lot Lines
- Vacated Right of Way
- Parcels
- Owner Undetermined
- Survey Gap
- Assessed By County

Feet

0 50 100 150 200

1:1,200 / 1"=100 Feet

Parcels **4/12/2024**

DISCLAIMER:This drawing is neither a legally recorded map nor a survey and is not intended to be used as such. The information displayed is a compilation of records,information, and data obtained from various sources, and the City of Lynchburg is not responsible for its accuracy or how current it may be.

CITY DIRECTORY

Project Property:	*West Building* *805 Court Street* *Lynchburg,VA 24504*
Project No:	*B12188B-10HM / Phase 03 / Task 05*
Requested By:	*TRC Environmental Corporation*
Order No:	*24031200056*
Date Completed:	*March 17, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

March 17, 2024
RE: CITY DIRECTORY RESEARCH
805 Court Street
Lynchburg,VA 24504

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
600-1100 of Clay St
600-1100 of Court St
Search Notes:

Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2011	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1996	POLKS	
1991	POLKS	
1986	POLKS	
1981	HILLS	
1976	HILLS	
1971	HILLS	
1967	HILLS	
1964	HILLS	
1960	HILLS	
1955	HILLS	
1950	HILLS	
1945	HILLS	
1940	HILLS	
1935	HILLS	
1930	HILLS	
1926	HILLS	

605 **MEALS ON WHEELS INC**...*NON-PROFIT ORGANIZATIONS*
605 **MEALS ON WHEELS INC**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
605 **ST PAULS EPISCOPAL CHURCH**...*CHURCHES*
701 **INTERFAITH OUTREACH ASSN**...*MINISTRIES-OUT REACH*
701 **INTERFAITH OUTREACH ASSN**...*CHURCHES*
701 **INTERFAITH OUTREACH ASSN**...*RELIGIOUS ORGANIZATIONS*
707 **CAMPBELL'S LAWN SVC**...*LAWN & GROUNDS MAINTENANCE*
710 **HOLY CROSS CATHOLIC CHURCH**...*MISSIONS*
710 **HOLY CROSS CATHOLIC CHURCH**...*CHURCHES*
717 **CHUCK FELMLEE LAW**...*ATTORNEYS*
717 **CSR LEGAL FIRM CHRISTOPHER S**...*ATTORNEYS*
717 **WILLOUGHBY, PAMELA W**...*ATTORNEYS*
721 **DAILY BREAD**...*SOCIAL SERVICE & WELFARE ORGANIZATIONS*
721 **DAILY BREAD**...*FEDERAL GOVERNMENT CONTRACTORS*
721 **DAILY BREAD**...*HOMELESS SHELTERS*
907 **LYNCHBURG SHERIFF OFFICE**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
907 **LYNCHBURG SHERIFF OFFICE**...*FEDERAL GOVERNMENT CONTRACTORS*
1010 **BRADLEY SIMONE**...*RESIDENTIAL*
1010 **MONIQUE FARMER**...*RESIDENTIAL*
1010 **OLIVIA HUFFMAN**...*RESIDENTIAL*
1010 **SHERYL CARTER**...*RESIDENTIAL*
1010 **TICHINA DUNKLEY**...*RESIDENTIAL*
1010 **TIFFANY CARDWELL**...*RESIDENTIAL*
1100 **US POST OFFICE**...*POST OFFICES*

103 total records. Part 1 of 2

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620 **ARISE RESIDENTIAL TREATMENT**...*NURSING & CONVALESCENT HOMES*
620 **ARISE RESIDENTIAL TREATMENT**...*HOSPITALS*
620 **ARISE RESIDENTIAL TREATMENT**...*NONPROFIT ORGANIZATIONS*
620 **AUGUSTINE MILL, AVIS**...*COUNSELORS*
620 **BRADLEY, DIANNE M**...*SOCIAL WORKERS*
620 **COMMUNITY SERVICES**...*ALCOHOLISM INFORMATION & TREATMENT CTRS*
620 **COOPER, ALAN M MD**...*PHYSICIANS & SURGEONS*
620 **CROFT, PATTI E MD**...*PHYSICIANS & SURGEONS*
620 **ESPINOZA, HUGO A**...*NURSES-PRACTITIONERS*
620 **FULMER, JEFFREY A**...*SOCIAL WORKERS*
620 **HODGE, GERRIE L**...*COUNSELORS-LICENSED PROFESSIONAL*
620 **HOLSTON, BERKLEY C**...*COUNSELORSCOUPLES*
620 **HOLSTON, BERKLEY C**...*COUNSELORS*
620 **HORIZON BEHAVIORAL HEALTH**...*COUNSELING SERVICES*
620 **HORIZON RECOVERY RESIDENCE**...*COMMUNITY SERVICES*
620 **LONG, ERIN**...*MARRIAGE & FAMILY COUNSELORS*
620 **MARSHALL, ANGELA**...*SOCIAL WORKERS*
620 **MOBAIDEEN, ALI MD**...*MEDICAL & SURGICAL SVC ORGANIZATIONS*
620 **MOBAIDEEN, ALI MD**...*PHYSICIANS & SURGEONS*
620 **MOBAIDEEN, ALI MD**...*MENTAL HEALTH SERVICES*
620 **PONDER, MAURICE**...*COUNSELORS*
620 **PONDER, MAURICE**...*COUNSELORSCOUPLES*
620 **SPENCE, SADIE NP**...*NURSES-PRACTITIONERS*
621 **ADULT CARE CTR OF CENTRAL VA**...*DAY CARE CENTERS-ADULT*
621 **ADULT CARE CTR OF CENTRAL VA**...*HOME HEALTH SERVICE*
621 **COURT STREET UNITED MTHDST CHR**...*CHURCHES*
621 **LYNCHBURG SYMPHONY ORCHESTRA**...*MARKETING PROGRAMS & SERVICES*
621 **LYNCHBURG SYMPHONY ORCHESTRA**...*ORCHESTRAS & BANDS*
621 **LYNCHBURG SYMPHONY YOUTH**...*MUSIC INSTRUCTION-VOCAL*
621 **UNITED METHODIST DISTRICT OFC**...*CLERGY*
621 **UNITED METHODIST DISTRICT OFC**...*MISSIONS*
621 **UNITED METHODIST DISTRICT OFC**...*CHURCHES*
708 **HELPING HAND NURSING SVC**...*HOME HEALTH SERVICE*
708 **HELPING HAND NURSING SVC**...*NURSES & NURSES' REGISTRIES*
710 **PETERS, ERIC G**...*ATTORNEYS*
714 **PERROW CONSULTING SVC LLC**...*ENGINEERS-CONSULTING*
714 **PERROW CONSULTING SVC LLC**...*ATTORNEYS*
715 **BELL & SCHNEIDER PLC**...*ATTORNEYS*
715 **BELL & SCHNEIDER PLC**...*MUSIC INSTRUCTIONVOCAL*
715 **E GORDON PETERS JR ATTY AT LAW**...*ATTORNEYS*
715 **LAW OFFICE OF SETH E TWERY P C**...*ATTORNEYS*
715 **TWERY, SETH E**...*ATTORNEYS*
716 **NELSON, MARGARET A**...*ATTORNEYS*
720 **WARWICK HOUSE PUBLISHING**...*TYPESETTING (MFRS)*
720 **WARWICK HOUSE PUBLISHING**...*PUBLISHING CONSULTANTS*
720 **WARWICK HOUSE PUBLISHING**...*PUBLISHERS-BOOK (MFRS)*
800 **NAI LIBERTY COMMERCIAL REALTY**...*REAL ESTATE*
801 **QUILLIAN III, WILLIAM F**...*ATTORNEYS*
801 **STRATEGIC SUSTAINABILITY**...*BUSINESS MANAGEMENT CONSULTANTS*
809 **HIGHER HEIGHTS EVANGELISTIC**...*CHURCHES*
818 **FIRST UNITARIAN CHURCH**...*MISSIONS*
818 **FIRST UNITARIAN CHURCH**...*CHURCHES*
900 **LYNCHBURG CIRCUIT JUDGE**...*CITY GOVERNMENT-COURTS*
900 **LYNCHBURG MARRIAGE LICENSE**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
901 **LYNCHBURG MUSEUM**...*MUSEUMS*
901 **LYNCHBURG MUSEUM**...*PARKS*
901 **LYNCHBURG MUSEUM**...*NON-PROFIT ORGANIZATIONS*
901 **LYNCHBURG MUSEUM**...*ASSOCIATIONS*
905 **CITY OF LYNCHBURG POLICE DEPT**...*CITY GOVERNMENT-COURTS*
905 **LYNCHBURG ANIMAL WARDEN**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
905 **LYNCHBURG COURTS**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
905 **LYNCHBURG COURTS**...*CITY GOVERNMENT-COURTS*
905 **LYNCHBURG CRIMINAL & TRFFC CT**...*STATE GOVERNMENTTRANSPORTATION PROGRAMS*
905 **LYNCHBURG CRIMINAL & TRFFC CT**...*POLICE DEPARTMENTS*

Part 2 of 2

905 **LYNCHBURG GENERAL DISTRICT CT**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
905 **LYNCHBURG GENERAL DISTRICT CT**...*FEDERAL GOVERNMENT CONTRACTORS*
905 **LYNCHBURG POLICE DEPT**...*STATE GOVERNMENTTRANSPORTATION PROGRAMS*
905 **LYNCHBURG POLICE DEPT**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
905 **LYNCHBURG POLICE DEPT**...*FEDERAL GOVERNMENT CONTRACTORS*
905 **LYNCHBURG POLICE DEPT**...*POLICE DEPARTMENTS*
905 **POLICE DEPARTMENT**...*POLICE DEPARTMENTS*
909 **LYNCHBURG JUVENILE DOMESTIC**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
909 **LYNCHBURG JUVENILE PROBATION**...*SCHOOLS*
909 **LYNCHBURG JUVENILE PROBATION**...*PROBATION SERVICES*
909 **LYNCHBURG JUVENILE PROBATION**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
915 **LYNCHBURG CITY SCHOOL**...*ELEMENTARY & SECONDARY SCHOOLS*
915 **LYNCHBURG CITY SCHOOLS**...*ELEMENTARY & SECONDARY SCHOOLS*
915 **LYNCHBURG CITYSCHOOL**...*SCHOOLS*
915 **LYNCHBURG CITYSCHOOL**...*SCHOOLSUNIVERSITIES & COLLEGES ACADEMIC*
915 **LYNCHBURG SCHOOLS ADMIN BLDG**...*SCHOOLS*
915 **WOODFORD, COREY M**...*PHYSICAL THERAPISTS*
1000 **STONE CARE CENTRAL**...*E-COMMERCE*
1000 **STONE CARE CENTRAL**...*FEDERAL GOVERNMENT CONTRACTORS*
1001 **FOUNDATION STONES INC**...*HOME HEALTH SERVICE*
1001 **FOUNDATION STONES INC**...*HEALTH CARE ALTERNATIVES*
1001 **JAMES C MAY & ASSOC PC**...*SURVEYORS-LAND*
1001 **JAMES C MAY & ASSOC PC**...*ENGINEERSCIVIL*
1001 **STONE FOUNDATIONS**...*MENTAL HEALTH SERVICES*
1011 **LAW OFFICE PAMELA W WILLOUGHBY**...*ATTORNEYS*
1011 **LEEBRICK, THOMAS S**...*ATTORNEYS*
1011 **P SCOTT DEBRUIN PC**...*ATTORNEYS*
1011 **THOMAS S LEEBRICK P C**...*NONCLASSIFIED ESTABLISHMENTS*
1022 **CAPRIN ASSET MANAGEMENT LLC**...*NONCLASSIFIED ESTABLISHMENTS*
1022 **COURT STREET TITLE INS LLC**...*TITLE COMPANIES*
1022 **CRC FINANCIAL GROUP**...*INSURANCE*
1022 **CROWDER, RICHARD R**...*ATTORNEYS*
1022 **JESTER & JESTER**...*ATTORNEYS*
1022 **OVERSTREET SLOAN PLLC**...*ATTORNEYS*
1022 **POPP, RICHARD**...*ATTORNEYS*
1022 **SCHEWEL, YVONNE Z**...*ATTORNEYS*
1100 **FIRST LYNCHBURG**...*CHURCHES*

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714 PERROW CONSULTING SVC LLC...ATTORNEYS
715 BELL & SCHNEIDER PLC...ATTORNEYS
715 BELL & SCHNEIDER PLC...MUSIC INSTRUCTIONVOCAL
715 LAW OFFICE OF SETH E TWERY P C...ATTORNEYS
715 TWERY, SETH E...ATTORNEYS
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901 LYNCHBURG MUSEUM...MUSEUMS
905 CITY OF LYNCHBURG POLICE DEPT...CITY GOVERNMENT-COURTS
905 LYNCHBURG ANIMAL WARDEN...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
905 LYNCHBURG COURTS...CITY GOVERNMENT-COURTS
905 LYNCHBURG COURTS...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
905 LYNCHBURG CRIMINAL & TRFFC CT...POLICE DEPARTMENTS
905 LYNCHBURG CRIMINAL & TRFFC CT...STATE GOVERNMENTTRANSPORTATION PROGRAMS
905 LYNCHBURG GENERAL DISTRICT CT...FEDERAL GOVERNMENT CONTRACTORS

2020 COURT ST
SOURCE: DIGITAL BUSINESS DIRECTORY

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905 LYNCHBURG GENERAL DISTRICT CT...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
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905 LYNCHBURG POLICE DEPT...FEDERAL GOVERNMENT CONTRACTORS
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905 POLICE DEPARTMENT...POLICE DEPARTMENTS
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1011 P SCOTT DEBRUIN PC...ATTORNEYS
1011 THOMAS S LEEBRICK P C...NONCLASSIFIED ESTABLISHMENTS
1011 WILLOUGHBY, PAMELA W...ATTORNEYS
1022 BAILEY, M KEVIN...ATTORNEYS
1022 CAPRIN ASSET MANAGEMENT LLC...NONCLASSIFIED ESTABLISHMENTS
1022 COURT STREET TITLE INS LLC...TITLE COMPANIES
1022 CRC FINANCIAL GROUP...INSURANCE
1022 CROWDER, RICHARD R...ATTORNEYS
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605 **ST PAULS EPISCOPAL CHURCH**...CHURCHES
701 **INTERFAITH OUTREACH ASSN**...RELIGIOUS ORGANIZATIONS
701 **SOUTHERN TITLE**...TITLE COMPANIES
707 **SUNRISE TRANSPORTATION SVC INC**...MEDICAL TRANSCRIPTION SERVICE
710 **HOLY CROSS CATHOLIC CHURCH**...CHURCHES
721 **DAILY BREAD**...SOCIAL SERVICE & WELFARE ORGANIZATIONS
721 **DAILY BREAD**...HOMELESS SHELTERS
907 **LYNCHBURG SHERIFF OFFICE**...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
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620 **COMMUNITY SERVICES**...ALCOHOLISM INFORMATION & TREATMENT CTRS
620 **CROFT, PATTI E MD**...PHYSICIANS & SURGEONS
620 **HODGE, GERRIE L**...COUNSELORS-LICENSED PROFESSIONAL
620 **HOLSTON, BERKLEY C**...COUNSELORS
620 **HORIZON BEHAVIORAL HEALTH**...COUNSELING SERVICES
620 **HULL, JOSEY**...COUNSELORS-LICENSED PROFESSIONAL
620 **LONG, ERIN**...MARRIAGE & FAMILY COUNSELORS
620 **MOBAIDEEN, ALI MD**...PHYSICIANS & SURGEONS
620 **NAREA, HANAKO**...COUNSELORS
620 **PONDER, MAURICE**...COUNSELORS
620 **REVAY, JESSICA**...COUNSELORS
620 **ROUTON, TAMRA**...COUNSELORS
620 **RUGH, AMY**...COUNSELORS
620 **WALLER, BRENDA S MD**...PHYSICIANS & SURGEONS
621 **ADULT CARE CTR OF CENTRAL VA**...DAY CARE CENTERS-ADULT
621 **COURT STREET UNTD MTHDST CHR**...CHURCHES
621 **LYNCHBURG SYMPHONY ORCHESTRA**...MARKETING PROGRAMS & SERVICES
621 **LYNCHBURG SYMPHONY ORCHESTRA**...ORCHESTRAS & BANDS
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621 **UNITED METHODIST DISTRICT OFC**...CHURCHES
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708 **HELPING HAND NURSING SVC**...NURSES & NURSES' REGISTRIES
708 **HELPING HAND NURSING SVC**...HOME HEALTH SERVICE
708 **SEW WHAT**...ALTERATIONS-CLOTHING
710 **PETERS, ERIC G**...ATTORNEYS
712 **KILLIS, HOWARD T**...ATTORNEYS
714 **PERROW CONSULTING SVC LLC**...ATTORNEYS
714 **PERROW CONSULTING SVC LLC**...ENGINEERS-CONSULTING
715 **BELL & SCHNEIDER PLC**...ATTORNEYS
715 **TWERY, SETH E**...ATTORNEYS
716 **NELSON, MARGARET A**...ATTORNEYS
717 **MC RORIE, WILLIAM**...ATTORNEYS
720 **WARWICK HOUSE PUBLISHING**...PUBLISHERS-BOOK (MFRS)
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900 **LYNCHBURG CIRCUIT COURT CLERK**...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
900 **LYNCHBURG CIRCUIT JUDGE**...CITY GOVERNMENT-COURTS
900 **LYNCHBURG MARRIAGE LICENSE**...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
901 **LYNCHBURG MUSEUM**...NON-PROFIT ORGANIZATIONS
901 **LYNCHBURG MUSEUM**...MUSEUMS
905 **CITY OF LYNCHBURG-CIVIL COURT**...CITY GOVERNMENT-COURTS
905 **CITY OF LYNCHBURG-CIVIL COURT**...FEDERAL GOVERNMENT CONTRACTORS
905 **LYNCHBURG ANIMAL WARDEN**...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
905 **LYNCHBURG COURTS**...CITY GOVERNMENT-COURTS
905 **LYNCHBURG CRIMINAL & TRFFC CT**...POLICE DEPARTMENTS
905 **LYNCHBURG GENERAL DISTRICT CT**...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
905 **LYNCHBURG POLICE DEPT**...POLICE DEPARTMENTS
905 **LYNCHBURG POLICE DEPT**...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
909 **LYNCHBURG JUVENILE DOMESTIC**...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
909 **LYNCHBURG JUVENILE COURT CLERK**...CITY GOVERNMENT-COURTS
909 **LYNCHBURG JUVENILE PROBATION**...PROBATION SERVICES
915 **LYNCHBURG CITYSCHOOL**...SCHOOLS
915 **LYNCHBURG PUBLIC SCHOOLS ADMIN**...SCHOOLS
915 **LYNCHBURG SCHOOLS ADMIN BLDG**...SCHOOLS
1000 **STONE CARE CENTRAL**...E-COMMERCE
1001 **JAMES C MAY & ASSOC PC**...SURVEYORS-LAND
1001 **PORTS STREET ENGINEERING PC**...ENGINEERS

2016 COURT ST

SOURCE: DIGITAL BUSINESS DIRECTORY

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1001 **STONE FOUNDATIONS**...*MENTAL HEALTH SERVICES*
1001 **YODER, WANDA P**...*ATTORNEYS*
1004 **DRISKILL, MARY KETT**...*ATTORNEYS*
1011 **DOUCETTE, ELIZABETH P**...*ATTORNEYS*
1011 **LAW OFFICE PAMELA W WILLOUGHBY**...*ATTORNEYS*
1011 **LEEBRICK, THOMAS S**...*ATTORNEYS*
1011 **P SCOTT DEBRUIN PC**...*ATTORNEYS*
1022 **BAILEY, M KEVIN**...*ATTORNEYS*
1022 **CAPRIN ASSET MANAGEMENT LLC**...*NONCLASSIFIED ESTABLISHMENTS*
1022 **COURT STREET TITLE INS LLC**...*TITLE COMPANIES*
1022 **CRC FINANCIAL GROUP**...*INSURANCE*
1022 **CROWDER, RICHARD R**...*ATTORNEYS*
1022 **J KEITH HARVEY**...*NONCLASSIFIED ESTABLISHMENTS*
1022 **JESTER & JESTER**...*ATTORNEYS*
1022 **PACK, MATTHEW L**...*ATTORNEYS*
1022 **POPP, RICHARD**...*ATTORNEYS*
1022 **SCHEWEL, YVONNE Z**...*ATTORNEYS*
1100 **FIRST BAPTIST CHURCH**...*CHURCHES*

2011 CLAY ST

SOURCE: DIGITAL BUSINESS DIRECTORY

605 **LARCHE BLUE RIDGE MOUNTAINS**...*MISC AMBULATORY HEALTH CARE SVCS*
605 **MEALS ON WHEELS INC**...*OTHER INDIVIDUAL & FAMILY SVCS*
605 **ST PAULS EPISCOPAL CHURCH**...*RELIGIOUS ORGANIZATION*
701 **INTERFAITH OUTREACH ASSN**...*RELIGIOUS ORGANIZATION*
710 **CROSS HOLY**...*RESIDENTIAL*
710 **HOLY CROSS CATHOLIC CHURCH**...*RELIGIOUS ORGANIZATION*
713 **FANNIE CHEEKS**...*RESIDENTIAL*
715 **A THOMAS**...*RESIDENTIAL*
721 **DAILY BREAD**...*TEMPORARY SHELTERS*
801 **EDDIE TYLER**...*RESIDENTIAL*
907 **LYNCHBURG SHERIFF OFFICE**...*LEGISLATIVE BODIES*
1010 **CHERYL CARTER**...*RESIDENTIAL*
1010 **DARRELL BRADLEY**...*RESIDENTIAL*
1010 **DEMING MASSIE**...*RESIDENTIAL*
1010 **JOHN ANDREWS**...*RESIDENTIAL*
1010 **MONIQUE FARMER**...*RESIDENTIAL*
1010 **STUART MASSIE**...*RESIDENTIAL*
1010 **TIFFANY CARDWELL**...*RESIDENTIAL*

2011 COURT ST

SOURCE: DIGITAL BUSINESS DIRECTORY

616 **AECAS CORP**...*ARCHITECTURAL SVCS*
616 **GOLDMAN, BRIAN**...*ARCHITECTURAL SVCS*
620 **ARISE OUTPATIENT SVC**...*OTHER SOCIAL ADVOCACY ORGANIZATIONS*
620 **ARISE RESIDENTIAL TREATMENT**...*OTHER SOCIAL ADVOCACY ORGANIZATIONS*
620 **COMMUNITY SERVICES**...*OTHER SOCIAL ADVOCACY ORGANIZATIONS*
620 **HALLMAN, KENNETH L MD**...*OFFICES OF PHYSICIANS, EXCEPT MENTAL HEALTH*
621 **COURT STREET UNTD MTHDST CHR**...*RELIGIOUS ORGANIZATION*
621 **CRAYON COLLEGE INC**...*CHILD DAY CARE SVCS*
708 **HELPING HAND NURSING SVC**...*HOME HEALTH CARE SVCS*
708 **SEW WHAT**...*OTHER CLOTHING STORES*
712 **MEDIATION OF VIRGINIA**...*OFFICES OF LAWYERS*
714 **MARTIN TAYLOR & PERROW**...*OFFICES OF LAWYERS*
714 **PERROW CONSULTING SVC LLC**...*OFFICES OF LAWYERS*
715 **TWERY, SETH E**...*OFFICES OF LAWYERS*
716 **NELSON, J RANDOLPH**...*OFFICES OF LAWYERS*
716 **NELSON, MARGARET A**...*OFFICES OF LAWYERS*
717 **MC RORIE, WILLIAM**...*OFFICES OF LAWYERS*
720 **WARWICK HOUSE PUBLISHING**...*BOOK PUBLISHERS*
801 **QUILLIAN III, WILLIAM F**...*OFFICES OF LAWYERS*
818 **FIRST UNITARIAN CHURCH**...*RELIGIOUS ORGANIZATION*
900 **LYNCHBURG CIRCUIT CLERK**...*LEGISLATIVE BODIES*
900 **LYNCHBURG CIRCUIT COURT**...*COURTS*
900 **LYNCHBURG CIRCUIT JUDGE**...*COURTS*
901 **LYNCHBURG MUSEUM**...*MUSEUMS*
905 **CITY OF LYNCHBURG-CIVIL COURT**...*COURTS*
905 **LYNCHBURG CRIMINAL & TRFFC CT**...*POLICE PROTECTION*
905 **LYNCHBURG DOG WARDEN**...*LEGISLATIVE BODIES*
905 **LYNCHBURG GENERAL DISTRICT CT**...*LEGISLATIVE BODIES*
905 **LYNCHBURG POLICE DEPT**...*POLICE PROTECTION*
1001 **JAMES C MAY & ASSOC PC**...*OTHER SURVEYING & MAPPING SVCS*
1001 **YODER, WANDA P**...*OFFICES OF LAWYERS*
1004 **ALLEN III, LESLIE E**...*OFFICES OF LAWYERS*
1004 **DRISKILL, MARY KETT**...*OFFICES OF LAWYERS*
1004 **HARRIS & ALLEN**...*OFFICES OF LAWYERS*
1011 **DE BRUIN & LAYNE**...*OFFICES OF LAWYERS*
1022 **C RONALD DAVIS**...*INVESTMENT ADVICE*
1022 **CAPRIN ASSET MANAGEMENT LLC**
1022 **CHARLEY COBB**...*INVESTMENT ADVICE*
1022 **COURT STREET TITLE INS LLC**...*TITLE ABSTRACT & SETTLEMENT OFFICES*
1022 **CRC FINANCIAL GROUP**...*INVESTMENT ADVICE*
1022 **CROWDER, RICHARD R**...*OFFICES OF LAWYERS*
1022 **J KEITH HARVEY**
1022 **JESTER & JESTER**...*OFFICES OF LAWYERS*
1022 **POPP, RICHARD**...*OFFICES OF LAWYERS*
1022 **SCHEWEL, YVONNE Z**...*OFFICES OF LAWYERS*
1022 **SKOLROOD LAW FIRM**...*OFFICES OF LAWYERS*
1100 **FIRST BAPTIST CHURCH**...*RELIGIOUS ORGANIZATION*
1100 **US BANKRUPTCY COURT**...*COURTS*
1100 **US LABOR DEPT**...*LICENSING & REGULATING COMMERCIAL SECTORS*

2008 CLAY ST

SOURCE: DIGITAL BUSINESS DIRECTORY

605 **ALZHEIMERS DISEASE ASSN**...*ASSOCIATIONS*
605 **LARCHE BLUE RIDGE MOUNTAINS**...*HEALTH SERVICES NEC*
605 **LYNCHBURG NUTRITION CTR**...*SENIOR CITIZENS SERVICE*
605 **MEALS ON WHEELS INC**...*NON-PROFIT ORGANIZATIONS*
605 **MEALS ON WHEELS INC**...*SOCIAL SERVICES NEC*
605 **NUTRITION CENTER**...*INDIVIDUAL/FAMILY SERVICES*
605 **ST PAUL ESPC CHURCH**...*EPISCOPAL CHURCH*
605 **ST PAULS EPISCOPAL CHURCH**...*EPISCOPAL CHURCH*
605 **ST PAULS EPISCOPAL CHURCH**...*CHURCHES*
701 **INTERFAITH OUTREACH ASSN**...*RELIGIOUS ORGANIZATIONS*
701 **INTERFAITH OUTREACH ASSN**...*RELIGIOUS ORGANIZ*
701 **SOUTHERN TITLE**...*TITLE ABSTRACT OFFS*
701 **SOUTHERN TITLE**...*TITLE COMPANIES*
707 **JOSEPH A ATTY SANZONE**...*RESIDENTIAL*
707 **PHILIP B ATTY BAKER**...*RESIDENTIAL*
710 **HOLY CROSS CATHOLIC CHURCH**...*RELIGIOUS ORGANIZATION*
710 **HOLY CROSS CATHOLIC CHURCH**...*CATHOLIC CHURCH*
713 **AUBREY J DAVIS**...*RESIDENTIAL*
713 **FANNIE CHEEKS**...*RESIDENTIAL*
721 **DAILY BREAD**...*HOMELESS SHELTERS*
721 **DAILY BREAD**...*SOCIAL SERVICES*
721 **DAILY BREAD OF LYNCHBURG INC**...*SOCIAL SERVICES*
801 **EDDIE TYLER**...*RESIDENTIAL*
907 **LYNCHBURG SHERIFF OFFICE**...*GOVERNMENT OFFICES-CITY, VILLAGE & TWP*
907 **LYNCHBURG SHERIFF OFFICE**...*EXEC OFFS,STATE-LOCAL*
1010 **ANDRIA NORRIS**...*RESIDENTIAL*
1010 **CHERYL CARTER**...*RESIDENTIAL*
1010 **DARRELL BRADLEY**...*RESIDENTIAL*
1010 **KAREN CULPEPPER**...*RESIDENTIAL*
1010 **LATOYA CABLER**...*RESIDENTIAL*
1010 **SHALETTA D PHELPS**...*RESIDENTIAL*

93 total records. Part 1 of 2

616 AECAS CORP...ARCHITECTURAL SVS
616 AECAS CORP...ARCHITECTS
616 AECAS CORP AIA...ARCHITECTURAL SERVICES
616 CAPTAIN MOES SEAFOOD INC...FISH,SEAFOOD MARKETS
620 ALCOHOL SUBSTANCE ABUSE THE...SPECIALTY OUTPATIENT CLINIC
620 ARISE OUTPATIENT SVC...ALCOHOLISM INFORMATION & TREATMENT CTRS
620 ARISE OUTPATIENT SVC...ALCOH/DRUG ABUSE TRT
620 ARISE RESIDENTIAL TREATMENT...ALCOH/DRUG ABUSE TRT
620 ARISE RESIDENTIAL TRTMNT CTR...SPECIALTY HOSPITAL
620 COMMUNITY SERVICES...ALCOH/DRUG ABUSE TRT
621 ADULT CARE CTR OF CENTRAL VA...SOCIAL SERVICES
621 ADULT CARE CTR OF CENTRAL VA...DAY CARE CENTERS-ADULT
621 COURT ST UNITED METH PRE SCHL...RELIGIOUS ORGANIZATION
621 COURT STREET UNITED METHODIST...METHODIST CHURCH
621 COURT STREET UNITED METHODIST...SCHOOLS-NURSERY & KINDERGARTEN ACADEMIC
621 LYNCHBURG SYMPHONY ORCHESTRA...ORCHESTRAS & BANDS
621 LYNCHBURG SYMPHONY YOUTH...ENTERTAINERS, BANDS
700 BASKETS & MORE...BASKETS
708 HELPING HAND NURSING SVC...HOME HEALTH SERVICE
708 HELPING HAND NURSING SVC...MEDICAL DOCTORS OFF
708 SEW WHAT...MISC APPAREL & ACC
708 SEW WHAT...ALTERATIONS-CLOTHING
712 KILLES T HOWARD LAW OFFICES...ATTORNEYS
712 MEDIATION OF VIRGINIA...LEGAL SERVICES
714 PERROW CONSULTING SVC LLC...CONSULTING ENGINEER
715 BELL & SCHNEIDER LLC...ATTORNEYS
715 BELL & SCHNEIDER PLC...LEGAL SERVICES
715 ICEBERG FISHING CO INC...UNCLASSIFIED
715 SETH E TWERY PC...ATTORNEYS
716 MARGARET A NELSON...ATTORNEYS
717 WILLIAM MC RORIE ATTORNEY...ATTORNEYS
720 WARWICK HOUSE PUBLISHING...BOOK PUBLISHING
720 WARWICK HOUSE PUBLISHING...PUBLISHERS-BOOK
720 WARWICK PUBLISHING INC...MISC PUBLISHING
800 MARTIN TAYLOR & PERROW...ATTORNEYS
800 MARTIN TAYLOR & PERROW...LEGAL SERVICES
801 PRESTON SAWYER JR...ATTORNEYS
809 HIGHER HEIGHTS EVANGELISTIC...CHURCHES
809 HIGHER HEIGHTS EVANGELISTIC...RELIGIOUS ORGANIZ
809 HIGHER HGTS EVNGLSTC OUTREACH...RELIGIOUS ORGANIZATION
818 FIRST UNITARIAN CHRCH OF LYNCH...RELIGIOUS ORGANIZATION
818 FIRST UNITARIAN CHURCH...CHURCHES
818 FIRST UNITARIAN CHURCH...RELIGIOUS ORGANIZ
900 CAMPBELL COUNTY CIRCUIT JUDGE...COUNTY GOVERNMENT-COURTS
900 LYNCHBURG CIRCUIT CLERK...EXEC OFFS,STATE-LOCAL
900 LYNCHBURG CIRCUIT COURT...COURTS
900 LYNCHBURG CIRCUIT COURT...CITY GOVERNMENT-COURTS
900 LYNCHBURG CIRCUIT JUDGE...COURTS
900 LYNCHBURG CIRCUIT JUDGE...CITY GOVERNMENT-COURTS
900 LYNCHBURG MARRIAGE LICENSE...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
900 LYNCHBURG MARRIAGE LICENSE...EXEC OFFS,STATE-LOCAL
901 LYNCHBURG MUSEUM...MUSEUMS,ART GALLERY
901 LYNCHBURG MUSEUM SYSTEM...MUSEUM/ART GALLERY EXECUTIVE OFFICE
905 ANIMAL WARDEN...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
905 CITY OF LYNCHBURG-CIVIL COURT...COURTS
905 CITY OF LYNCHBURG-CIVIL COURT...CITY GOVERNMENT-COURTS
905 LYNCHBURG CITY GENERAL DST CRT...DISTRICT COURT
905 LYNCHBURG CRIMINAL & TRFFC CT...POLICE
905 LYNCHBURG CRIMINAL & TRFFC CT...POLICE DEPARTMENTS
905 LYNCHBURG EMERGENCY PRPRDNSS...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
905 LYNCHBURG GENERAL DISTRICT CT...GOVERNMENT OFFICES-CITY, VILLAGE & TWP
905 LYNCHBURG GENERAL DISTRICT CT...EXEC OFFS,STATE-LOCAL
905 LYNCHBURG JAIL ANNEX...CITY GOVT-CORRECTIONAL INSTITUTIONS
905 LYNCHBURG POLICE DEPT...EXEC OFFS,STATE-LOCAL
905 LYNCHBURG POLICE DEPT...POLICE DEPARTMENTS
905 LYNCHBURG TRAFFIC TICKETS...GOVERNMENT OFFICES-CITY, VILLAGE & TWP

2008 COURT ST
SOURCE: DIGITAL BUSINESS DIRECTORY

Part 2 of 2

905 POLICE DEPT...POLICE PROTECTION
915 LYNCHBURG PUBLIC SCHOOLS...ELEMENT, SECON SCHL
915 LYNCHBURG PUBLIC SCHOOLS ADM...SCHOOLS
1001 JAMES C MAY & ASSOC...SURVEYORS-LAND
1001 JAMES C MAY & ASSOC PC...SURVEYING SERVICES
1004 HARRIS & ALLEN...ATTORNEYS
1004 HARRIS & ALLEN...LEGAL SERVICES
1011 PRESCOTT H GAY SR...ATTORNEYS
1011 THOMAS S LEEBRICK...ATTORNEYS
1022 C RONALD DAVIS...INSURANCE
1022 CAPRIN ASSET MANAGEMENT LLC...NCLASSIFIABLE ESTAB
1022 CAPRIN ASSET MANAGEMENT LLC...NONCLASSIFIED ESTABLISHMENTS
1022 CHARLEY COBB...INSURANCE AGENT/BROKER
1022 CRC FINANCIAL GROUP...INSURANCE
1022 CRC FINANCIAL GROUP...INVESTMENT ADVICE
1022 J KEITH HARVEY...NCLASSIFIABLE ESTAB
1022 J KEITH HARVEY...NONCLASSIFIED ESTABLISHMENTS
1022 JESTER & JESTER...ATTORNEYS
1022 JESTER & JESTER...LEGAL SERVICES
1022 RICHARD R CROWDER...ATTORNEYS
1022 ROBERT G SCOGIN...ATTORNEYS
1022 SCOGIN & SKOLROOD...ATTORNEYS
1022 SKOLROOD LAW FIRM...LEGAL SERVICES
1100 FIRST BAPTIST CHURCH...CHURCHES
1100 FIRST BAPTIST CHURCH...BAPTIST CHURCH
1100 SEVENTH BAPTIST CHURCH...RELIGIOUS ORGANIZATION
1100 US BANKRUPTCY COURT...COURTS

2003 CLAY ST

SOURCE: DIGITAL BUSINESS DIRECTORY

605 **ALZHEIMER'S DISEASE ASSN**...*GROWERS' ASSOCIATIONS*
605 **MEALS ON WHEELS INC**
605 **ST PAUL'S EPISCOPAL CHURCH**
701 **INTERFAITH OUTREACH ASSN**
701 **RUSH LIFETIME HOMES**
701 **SOUTHERN TITLE AGENCY**
707 **BAKER PHILIP B ATTY**
707 **SANZONE & BAKER**
707 **SANZONE JOSEPH A ATTY**
710 **HOLY CROSS CATHOLIC CHURCH**
710 **RUSH KENNETH**
713 **AUBREY J DAVIS**...*RESIDENTIAL*
715 **EVLEYN MRS FLESHAMAN**...*RESIDENTIAL*
717 **POTOMAC PROPERTIES**
721 **DAILY BREAD**
801 **EDDIE TYLER**...*RESIDENTIAL*
907 **LYNCHBURG SHERIFF OFFICE**...*POLICE PROTECTION, LEVEL OF GOVERNMENT*
1010 **GEORGIA H CARDWELL**...*RESIDENTIAL*
1010 **SHALETTA D PHELPS**...*RESIDENTIAL*
1010 **TTNERA DOWNING**...*RESIDENTIAL*

2003 COURT ST

SOURCE: DIGITAL BUSINESS DIRECTORY

616 **AECAS CORP**
616 **PRICE SAMUEL S ATTY**
620 **ARISE RESIDENTIAL TREATMENT**...*COMMUNITY DEVELOPMENT GROUPS*
621 **ADULT CARE CTR OF CENTRAL VA**...*RESIDENTIAL CARE FOR CHILDREN*
621 **COURT STREET UNITED METHODIST**
700 **BASKETS & MORE**
708 **HELPING HAND NURSING SVC**
708 **SEW WHAT**
710 **PETERS ERIC G ATTY**
712 **KILLES T HOWARD LAW OFFICES**
714 **INSURANCE MANAGEMENT SVC**
714 **MARTIN TAYLOR & PERROW**
714 **PERROW CONSULTING SVC LLC**
714 **PERROW EDGAR J T ATTY**
714 **SWEENEY DANIEL B ATTY**
715 **BARNEY MARY V ATTY**
715 **BELL & BARNEY**
715 **TWERY SETH E ATTY**
716 **NELSON & BICE**
716 **NELSON MARGARET A ATTY**
717 **CORNERSTONE CAPITAL MANAGEMENT**
720 **WARWICK HOUSE PUBLISHING**...*BOOKS, PUBLISHING ONLY*
800 **GIBBONS PATRICIA M ATTY**
801 **AMEN**
801 **QUILLIAN III WILLIAM F ATTY**
801 **SAWYER JR PRESTON ATTY**
802 **BILLIAS CHRIS ATTY**
809 **HIGHER HEIGHTS EVANGELISTIC**
818 **FIRST UNITARIAN CHURCH**
900 **CIRCUIT JUDGE**...*COURTS, LEVEL OF GOVERNMENT*
900 **LYNCHBURG CIRCUIT COURT**...*COURTS, LEVEL OF GOVERNMENT*
900 **LYNCHBURG MARRIAGE LICENSE**...*LEGISLATIVE BODIES, LEVEL OF GOVERNMENT*
901 **LYNCHBURG MUSEUM**...*LEGISLATIVE BODIES, LEVEL OF GOVERNMENT*
905 **ANIMAL WARDEN**...*LEGISLATIVE BODIES, LEVEL OF GOVERNMENT*
905 **CITY OF LYNCHBURG-CIVIL COURT**...*COURTS, LEVEL OF GOVERNMENT*
905 **LYNCHBURG CRIMINAL & TRFFC CT**...*POLICE PROTECTION, LEVEL OF GOVERNMENT*
905 **LYNCHBURG GENERAL DISTRICT CT**...*LEGISLATIVE BODIES, LEVEL OF GOVERNMENT*
905 **LYNCHBURG POLICE DEPT**...*POLICE PROTECTION, LEVEL OF GOVERNMENT*
915 **LYNCHBURG CTY PUBLIC SCHOOL**...*PUBLIC ELEMENTARY AND SECONDARY SCHOOLS*
1001 **COURT STREET ENGINEERING**
1001 **JAMES C MAY & ASSOC**
1001 **MAY LAND REALTORS**
1004 **ALLEN III LESLIE E ATTY**
1004 **DRISKILL MARY KETT ATTY**
1004 **HARRIS & ALLEN**
1011 **GAY SR PRESCOTT H ATTY**
1011 **LEEBRICK THOMAS S ATTY**
1011 **LIGHT WILLIAM R ATTY**
1022 **CRC FINANCIAL GROUP**
1022 **CROWDER RICHARD R ATTY**
1022 **DAVIS C RONALD**
1022 **JESTER & JESTER**
1100 **FIRST BAPTIST CHURCH**

2000 CLAY ST

SOURCE: DIGITAL BUSINESS DIRECTORY

605 **INTERFAITH OUTREACH ASSN**
605 **MEALS ON WHEELS**
605 **ST PAUL'S EPISCOPAL CHURCH**
701 **CHAPTER 13 TRUSTEE**
701 **SOUTHERN TITLE AGENCY INC**
707 **BAKER PHILIP B ATTY**
707 **SANZONE & BAKER**
710 **HOLY CROSS CATHOLIC CHURCH**
713 **AUBREY J DAVIS**...*RESIDENTIAL*
715 **BLAND GRAY**...*RESIDENTIAL*
715 **EVLEYN MRS FLESHAMAN**...*RESIDENTIAL*
801 **EDDIE TYLER**...*RESIDENTIAL*
823 **CITY OF LYNCHBURG JAIL**...*CORRECTIONAL INSTITUTIONS, LEVEL OF GOVERNMENT*
823 **LYNCHBURG MAGISTRATE**...*COURTS, LEVEL OF GOVERNMENT*
823 **LYNCHBURG SHERIFF OFFICE**...*POLICE PROTECTION, LEVEL OF GOVERNMENT*
1010 **CYNTHIA J BAILEY**...*RESIDENTIAL*
1010 **GEORGIA H CARDWELL**...*RESIDENTIAL*
1010 **SHALETTA D PHELPS**...*RESIDENTIAL*
1010 **TINERA DOWNING**...*RESIDENTIAL*

2000 COURT ST

SOURCE: DIGITAL BUSINESS DIRECTORY

616 **AECAS CORP**
621 **ADULT CARE CTR OF CENTRAL VA**...*RESIDENTIAL CARE FOR CHILDREN*
621 **COURT ST UNITED METHODIST CHR**
621 **COURT STREET UNITED METHODIST**
621 **LYNCHBURG SYMPHONY ORCHESTRA**...*MUSICAL ENTERTAINERS*
700 **BASKETS & MORE**
710 **PETERS ERIC G ATTY**
712 **KILLES T HOWARD LAW OFFICES**
714 **MARTIN TAYLOR & PERROW**
714 **NEWMAN ROSEVEARE AGENCY**
714 **PERROW EDGAR J T ATTY**
715 **ALEXANDER W BELL LAW OFFICE**
715 **BARNEY MARY V ATTY**
715 **TWERY SETH E ATTY**
716 **BICE DAVID B ATTY**
716 **NELSON & BICE**
717 **CORNERSTONE CAPITAL MANAGEMENT**
717 **MC CAULEY & BARTRAM**
720 **WARWICK HOUSE PUBLISHING**...*BOOKS, PUBLISHING ONLY*
800 **GIBBONS PATRICIA M ATTY**
801 **QUILLIAN III WILLIAM F ATTY**
801 **SAWYER JR PRESTON ATTY**
802 **COX H DAVID ATTY**
802 **DAVIES & DAVIES**
802 **DAVIES III ARTHUR B ATTY**
809 **HIGHER HEIGHTS EVANGELISTIC**
818 **FIRST UNITARIAN CHURCH**
900 **CIRCUIT JUDGE**...*COURTS, LEVEL OF GOVERNMENT*
900 **LYNCHBURG CIRCUIT COURT**...*COURTS, LEVEL OF GOVERNMENT*
900 **LYNCHBURG MARRIAGE LICENSE**...*LEGISLATIVE BODIES, LEVEL OF GOVERNMENT*
901 **LYNCHBURG MUSEUM**...*LEGISLATIVE BODIES, LEVEL OF GOVERNMENT*
905 **ANIMAL WARDEN**...*LEGISLATIVE BODIES, LEVEL OF GOVERNMENT*
905 **CITY OF LYNCHBURG-CIVIL COURT**...*COURTS, LEVEL OF GOVERNMENT*
905 **LYNCHBURG CRIMINAL & TRFFC CT**...*POLICE PROTECTION, LEVEL OF GOVERNMENT*
905 **LYNCHBURG GENERAL DISTRICT CT**...*LEGISLATIVE BODIES, LEVEL OF GOVERNMENT*
905 **LYNCHBURG JAIL ANNEX**...*CORRECTIONAL INSTITUTIONS, LEVEL OF GOVERNMENT*
905 **LYNCHBURG POLICE DEPT**...*POLICE PROTECTION, LEVEL OF GOVERNMENT*
915 **LYNCHBURG CTY PUBLIC SCHOOL**...*PUBLIC ELEMENTARY AND SECONDARY SCHOOLS*
1001 **JAMES C MAY & ASSOC**
1001 **MAY FRAN**
1001 **MAY LAND REALTORS**
1004 **ALLEN III LESLIE E ATTY**
1004 **BLACK HAROLD A ATTY**
1004 **HARRIS ALLEN & YODER**
1004 **YODER WANDA L ATTY**
1011 **GAY SR PRESCOTT H ATTY**
1011 **LEEBRICK THOMAS S ATTY**
1011 **LIGHT WILLIAM R ATTY**
1022 **CRC FINANCIAL GROUP**
1022 **CROWDER RICHARD R ATTY**
1022 **JAMES RIVER TITLE & SETTLEMENT**
1022 **JESTER & JESTER**
1100 **FIRST BAPTIST CHURCH**

CITATION LN

Address	Zip+4	CarrRte	Phone
Zdanowski Thomas	-3839	R012	384-8904
108 Klacynski George C	-3839	R012	384-0355

HOUSEHOLDS 6

CLAIR CT (L) 24503

100 Caltagirone Harry	-3431	R007	385-8284
101 Patterson D T	-3432	R007	385-8281
102 Simon Patrick J	-3431	R007	385-4764
104 Round C	-3431	R007	385-7225
Round J	-3431	R007	385-7225
105 Butler Jack	-3432	R007	385-8280
108 Lawson Raymond B	-3431	R007	385-6743

HOUSEHOLDS 7

CLARION RD (A) 24517

Crawford David W			369-1951
Knight Frank T			369-4123
204 Page Linda	-1102	R001	369-7042

HOUSEHOLDS 3

CLARK ST (BR) 24528

Bradley Neva			376-3760
Campbell John W			376-2838
Daniel Ray M			376-2685
Loftis J B			376-2266
McDowell Charles R Jr			376-2911
Rice Barry			376-2932
Shotwell Donald P			376-3507
107 Connelly James A Jr	-2729	R002	376-3095
128 Nowfin James A	-2728	R002	376-5235

HOUSEHOLDS 9

CLARK ST (MH) 24572

100 Gibson G E			846-8805
Gibson George E Jr			845-2432
101 Crews Ella R			845-9237
108 Stinson Steve			845-1710
109 Marks John A Jr			845-8635
203 Vest Donald M Jr	-2228	R007	528-8846
300 Vest G	-2227	R007	846-6638
302 Reynolds Arthur	-2227	R007	847-7934
303 Corey N R	-2228	R007	846-8821
305 Fleshman Francie	-2228	R007	845-0544
Fleshman Lin	-2228	R007	845-0544
400 Hugee F	-2229	R007	845-9186
401 Dickerson Jimmy	-2230	R007	846-8655
Dickerson Sandra	-2230	R007	846-8655
402 Cooper James R	-2229	R007	845-1043
405 Ellington W H Sr	-2230	R007	845-4196
407 Martin Lawrence	-2230	R007	529-9789
Martin Phyllis	-2230	R007	529-9789
502 Hackett Joe C	-2231	R007	845-4953
505 Anderson Dennis S	-2232	R007	847-5485
506 White G P Jr	-2231	R007	847-5428
507 Hackett Lindy R Jr	-2232	R007	528-1682

HOUSEHOLDS 22

CLARKE ST (L) 24502

4704 Camden David	-5106	C065	237-5871
Phlegar W H	-5106	C065	237-0633
4712 Clark V B	-5106	C065	239-6887
4713 Franklin E P	-5105	C065	239-1644
4716 Arthur Dot	-5106	C065	237-1202
Arthur Leonard	-5106	C065	237-1202
4717 Hedrick John H	-5105	C065	239-1449
4720 Burks L G	-5106	C065	239-6338
4721 Bailey M E	-5105	C065	237-1677
4724 Norris L J	-5106	C065	239-6302
4725 Maschal Cheryl	-5105	C065	237-0020
Maschal Stan	-5105	C065	237-0020
4728 Darbin James R	-5106	C065	239-6111
Darbin Mabel	-5106	C065	239-6111
4729 Camden Bernard H	-5105	C065	239-8265
4733 Richardson Debbie	-5105	C065	239-1729
Richardson Mike	-5105	C065	239-1729
4737 Driskill George E	-5105	C065	239-8001

HOUSEHOLDS 18

CLAY ST (L) 24504

404 ACRES OF VIRGINIA INC	-2422	C069	528-4674
Brooks Thomas C Sr	-2422	C069	845-1048
Seargent F T	-2422	C069	528-4674
414 Anderson D L	-2422	C069	846-5421
500 BLUE RIDGE WAREHOUSE	-2446	C069	845-1212
503 JAMES RIVER ANTIQUES-LYNCHBURG	-2445	C069	528-1960
523 SPEIDELL GROUP	-2445	C069	845-0961
605 INTERFAITH OUTREACH ASSN	-2447	C069	846-6098
LYNCHBURG NUTRITION CTR	-2447	C069	846-5752
MEALS ON WHEELS	-2447	C069	847-0796
ST PAUL'S EPISCOPAL CHURCH	-2447	C069	845-7301
701 CHAPTER 13 TRUSTEE	-2529	C069	528-0098
SOUTHERN TITLE AGENCY INC	-2529	C069	846-4639
707 JOSEPH A SANZONE ASSOC	-2529	C069	846-4691
710 HOLY CROSS CATHOLIC CHURCH	-2530	C069	846-5245
713 Davis Aubrey J	-2529	C069	846-3585
721 DAILY BREAD	-2529	C069	845-5703

CLAY ST (L) 24504

801 Tyler Eddie	-2531	C069	528-5663
823 CITY OF LYNCHBURG-JAIL	-2531	C069	847-1300
LYNCHBURG MAGISTRATE	-2531	C069	847-1329
LYNCHBURG SHERIFF OFFICE	-2531	C069	847-1301
1010 Cardwell Georgia H	-2543	C062	846-8168
Phelps Shalet D	-2543	C062	845-3964
1220 Wood Randol D	-2602	C072	846-3601
1223 Slaughter Phyllis L	-2601	C072	845-8905
1225 Deas Morris	-2601	C072	528-4666
1300 Wilson Jeannie	-2604	C072	528-2838
1307 Falekay Richard	-2603	C072	845-6618
Falekay Virginia	-2603	C072	845-6618
1306 Cabler B K	-2604	C072	845-2928
1313 Schulze Martin C Jr	-2603	C072	845-8617
1419 Mays Teresa	-2605	C072	846-5842
Slaughter B J	-2605	C072	846-5842
Slaughter Frances M	-2605	C072	846-2938
1421 Austin Joseph	-2605	C072	845-0899

BUSINESSES 16 HOUSEHOLDS 19

CLAYMONT DR (L) 24502

101 BERKLEY-HOWELL & ASSOC	-4407	R001	385-7548
Sigler Willard T	-4407	R001	385-7548
103 Poss Charles E	-4407	R001	385-8552
104 Foster John E	-4406	R001	385-8542
105 Ramsey C W	-4407	R001	385-8521
106 Moon H M	-4408	R001	385-8548
Moon Virginia	-4408	R001	385-8548
107 Markham E H	-4407	R001	385-8549

BUSINESSES 1 HOUSEHOLDS 7

CLAYTON AVE (L) 24503

1500 Smiley John B	-2314	C083	384-1500
1503 Godine Caroline	-2313	C083	384-9335
Godine Chip	-2313	C083	384-9335
1504 Poats James W	-2314	C083	384-0901
1505 Cheatham H T	-2313	C083	384-8467
1506 Johnson S L Jr	-2314	C083	384-6681
1509 Davis Philip J	-2313	C083	384-2807
1511 Stevens Jerry	-2313	C083	384-2703
1513 Martin J R	-2313	C083	384-8038
1516 Connors Thomas N	-2314	C083	384-1955
1517 Fairchild Mark S	-2313	C083	384-9269
1519 Patty David T Jr	-2313	C083	384-2715
1520 Kubat J M	-2314	C083	384-1184
1522 Alcorn Robert C	-2314	C083	384-5193
1600 Nelligan P S	-2316	C083	384-3097
1601 Garbee Robert H	-2315	C083	384-2470
1615 Tankersley E M	-2315	C083	384-1198
1616 Finch Clyde L Jr	-2316	C083	384-1003
1621 Duerson Samuel H III	-2315	C083	384-5507
1624 Gentry Harvey W	-2316	C083	384-1146
1625 Scott R C	-2315	C083	384-1358
1627 Cox Kevin	-2315	C083	384-1027
Ellis William M	-2315	C083	384-5481
1632 Case Jeffrey L	-2316	C083	384-8387
1640 McCraw Thome	-2316	C083	384-8940
1709 Rogers J D	-2317	C083	384-0463
1717 Smith Loyd T	-2317	C083	384-3499
1801 Wuttke Karl R	-2319	C083	384-2188
1805 Jones E C	-2319	C083	384-1363
1815 Sheppard G	-2319	C083	384-7680
1817 Colagreco Tamara F	-2319	C083	384-4959
Feese R C	-2319	C083	384-1045
1819 Bryant W M Jr	-2319	C083	384-2499
Chenault K B	-2319	C083	384-2499
1820 Duffner Edward W	-2320	C083	384-3716
1821 Harvey Bronwy	-2319	C083	384-0035
Harvey Howard	-2319	C083	384-0035
1822 Flippin Robert	-2320	C083	384-7737
Flippin Tammy	-2320	C083	384-7737
1824 Beard H P	-2320	C083	384-2874
Humphreys M G	-2320	C083	384-2874
1825 Layne Rasha D Jr	-2319	C083	384-1394
1826 Waldron Marsha S	-2320	C083	384-2929
1827 Jones Robert E	-2319	C083	384-8967
1829 NEXT STEP	-2319	C083	384-2244
Hudnall Betira R II	-2319	C083	384-6114
1830 Lovell Charles P Jr	-2320	C083	384-2739
1831 Bunch George H Jr	-2319	C083	384-3728
1832 Torian P R	-2320	C083	384-3265
1835 Fulks Claude T	-2319	C083	384-1658

BUSINESSES 1 HOUSEHOLDS 49

CLAYTON ESTATES PARK (EV) 24550

Johanson Chris			525-2313
Kraus L B			525-7351
Tabor Frank A III			525-7837
1 Weaver Charles A	-9565	R003	525-4577
2 Grisham Della	-9565	R003	525-4583
3 Burks Jaimie	-9565	R003	525-3843
5 Nolan Joseph B	-9565	R003	525-0821
6 Goodrich Dune	-9565	R003	525-4004
Goodrich William	-9565	R003	525-4004
8 Henderson L H	-9565	R003	525-6048
9 Burks Jonathan	-9565	R003	525-2954
10 Perry Ronald	-9565	R003	525-1408
12 Campbell James E	-9565	R003	525-9520
13 Watkins C	-9565	R003	525-6746
17 Relf Barbara	-9565	R003	525-3793
19 Milner Leonard W	-9565	R003	525-3711
23 Austin James M	-9565	R003	525-6408
25 Edwards Calvin L	-9565	R003	525-0136
26 Clay Jeannie	-9565	R003	525-6536
Clay Victor	-9565	R003	525-6536
27 Smith John T	-9565	R003	525-9878
28 Chance D W	-9565	R003	525-3867
29 Via Richard E	-9565	R003	525-0555
32 Kerekes Carolyn	-9565	R003	525-1225
34 Clark Maureen	-9565	R003	525-5540
35 Bradley Kevin	-9565	R003	525-1762
37 Shepherd Charles	-9565	R003	525-4619
38 Tweedy Tammy	-9565	R003	525-5576

COUNTRYPLACE LN cont'd

Address	Zip+4	CarrRte	Phone
247 Abbott Charles J	-6746	C044	385-0141

BUSINESSES 1 HOUSEHOLDS 103

COURT ST (AP) 24522

APPOMATTOX REVENUE COMM			352-7450
APPOMATTOX VOTER REGISTRAR			352-5302
FROZEN FOOD LOCKER			352-2041
WESTERN UNION			352-2115
Abbitt W M Jr			352-2880
Conner Steven T			352-0626
Cyrus Milton			352-8981
Gray Robert H Jr			352-8265
Kress Jesse W			352-2439
Lawson Thomas W			352-7165
Lawson Thomas W			352-7627
Watson J W			352-8478
100 DARREL W PUCKETT			352-5033
101 J E SEARS & CO	-9416	R001	352-7138
104 KENNETH E FRANKLIN INSURANCE			352-8888
106 CONNER-ABBITT INSURANCE			352-5600
108 W M ABBITT			352-8229
110 JOHN M FEDISON DDS			352-7178
Hargis P L			352-0965
116 US POST OFFICE	-9414	R001	352-7026
117 APPOMATTOX TREASURER OFFICE	-9416	R001	352-5200
121 APPOMATTOX COUNTY JUDGE OFFICE	-9416	R001	352-0717
122 APPOMATTOX COMMONWEALTH ATTY			352-7627
THOMAS W LAWSON			352-7165
124 APPOMATTOX SUPERINTENDENT-SCHL			352-8251
125 APPOMATTOX CIRCUIT COURT CLERK	-9416	R001	352-5275
300 ROBERT H GRAY JR			352-8265
STATE FARM INSURANCE			352-7916
STEVEN E LAWSON & CO			352-5001
401 APPOMATTOX FAMILY PRACTICE CTR			352-8235
401½ HOME RECOVERY OF APPOMATTOX			352-2710
402 Carter Ronald W			352-0372
404 W W DICKERSON JR LAND SURVEYOR			352-8560
Dickerson W W Jr			352-8560
407 Doss Edward			352-8377
410 CABELL INSURANCE ASSOC			352-0674
STEVEN T CONNER REAL ESTATE			352-0626
411 Guill Wilson			352-5358
500 Jackson Thomas E			352-0601
502 Hubbard Robert C III			352-8904
Hubbard William C			352-8904
507 TIMES VIRGINIAN NEWSPAPER			352-8215
509 SEVENTH-DAY ADVENTIST			352-2660
601 ROBINSON FUNERAL HOME			352-7111
700 STONE CONTAINER CORP			352-5082
705 James Harriet P			352-7405
711 MORRIS GARAGE			352-7069

BUSINESSES 30 HOUSEHOLDS 17

COURT ST (B) 24523

302 SUB SHOP	-2031	C003	586-4281
Hillsman Jerry	-2031	C003	586-6447

BUSINESSES 1 HOUSEHOLDS 1

COURT ST (L) 24504

409 MARTINS HOME IMPROVEMENTS	-1307	C069	528-2340
410 LOCUST HILL ENTERPRISES INC	-1308	C069	846-4646
517 COURT STREET BAPTIST CHURCH	-1309	C069	847-8209
621 ADULT CARE CTR OF CENTRAL VA	-1311	C069	847-8111
COURT ST UNITED METHODIST CHR	-1311	C069	845-3427
LYNCHBURG SYMPHONY ORCHESTRA	-1311	C069	845-6604
700 Barnes Delray L	-1438	C069	528-5801
Branch William	-1438	C069	846-0365
Coles Derrick	-1438	C069	528-3942

COURT ST cont'd

Address	Zip+4	CarrRte	Phone
Davis Oleatha M	-1438	C069	846-6127
Harvey Louise	-1438	C069	845-9316
Joyner F C Sr	-1438	C069	847-8365
Robinson Wesley Jr	-1438	C069	846-6022
708 MC CAULEY & BARTRAM	-1436	C069	846-2746
Brown J C	-1436	C069	845-0677
Clarke F T	-1436	C069	846-4101
710 ERIC G PETERS	-1406	C069	846-8737
Marshall A	-1406	C069	845-5062
712 WILLIAM R LIGHT LAW OFFICES	-1406	C069	528-1067
Embrey Debora C	-1406	C069	528-3996
Flax Robert L	-1406	C069	528-3996
Howard Killis T	-1406	C069	528-1067
Stout S N	-1406	C069	528-3996
714 MARTIN TAYLOR & PERROW	-1406	C069	846-2100
715 ALEXANDER W BELL	-1405	C069	528-0411
Bell Alexander W	-1405	C069	528-0411
Levy David M	-1405	C069	528-0411
716 NELSON & BICE	-1406	C069	528-1078
Bice David B	-1406	C069	528-1078
Nelson John R	-1406	C069	528-1078
717 McRorie Mark	-1405	C069	528-1395
720 WARWICK HOUSE PUBLISHING	-1406	C069	846-1200
Huges J L	-1406	C069	528-1473
Orwick B T	-1406	C069	528-1473
Swanson E D	-1406	C069	846-2872
721 COURT STREET UNITED METHODIST	-1405	C069	528-0255
800 PATRICIA M GIBBONS	-1504	C069	847-8149
Gibbons P M	-1504	C069	847-8149
801 PRESTON SAWYER JR	-1534	C069	845-6084
Sawyer Preston Jr	-1534	C069	845-6084
802 DAVIES & DAVIES	-1504	C069	528-5500
Davies Arthur B III	-1504	C069	528-5500
Davies Jonathan E	-1504	C069	528-5500
809 HIGHER HEIGHTS EVANGELISTIC	-1503	C069	847-5345
818 FIRST UNITARIAN CHURCH	-1504	C069	528-0744
McCoy L C	-1504	C069	528-0710
900 CIRCUIT JUDGE LYNCHBURG MARRIAGE LICENSE	-1604	C069	847-1490
905 ANIMAL WARDEN	-1603	C069	847-1602
LYNCHBURG POLICE CHIEF	-1603	C069	847-1430
LYNCHBURG POLICE DEPARTMENT	-1603	C069	847-1614
LYNCHBURG-CRIMINAL & TRFFC CRT	-1603	C069	847-1560
POLICE CRIME LINE	-1603	C069	847-1777
1000 Johnson Carlet A	-4502	C069	847-7186
Sattler Ross	-4502	C069	529-4618
1001 JAMES C MAY & ASSOC	-4501	C069	529-1005
MAY LAND REALTORS	-4501	C069	845-2071
SIMPSON-JOHNSON INC	-4501	C069	847-7711
May James C Jr	-4501	C069	528-1005
Simpson Earl R Jr	-4501	C069	847-7711
1004 HARRIS BLACK & ALLEN	-4502	C069	846-5288
Allen Leslie E III	-4502	C069	846-5288
Black Harold A	-4502	C069	846-5288
Yoder Wanda L	-4502	C069	846-5288
1007 Caddell H M	-4514	C069	847-4561
Overstreet L	-4514	C069	845-5255
1011 MOSBY & LEEBRICK	-4501	C069	847-0943
PRESCOTT H GAY	-4501	C069	528-8888
Gay Presco H	-4501	C069	528-8888
Mosby J L Jr	-4501	C069	847-0943
1017 Chance Johnat C	-4501	C069	847-0571
Gordon Willie L	-4501	C069	528-4152
Hodges B	-4501	C069	845-8106
Houston Layton	-4501	C069	528-2740
1021 Hicks Lonnie	-4516	C069	528-4701
1022 CAPPS SHOE CO	-4522	C069	528-3213
CASKIE & ASSOC	-4522	C069	528-1185
JESTER & JESTER	-4522	C069	528-5858
NEW ENGLAND RICHARD R CROWDER	-4522	C069	845-6655
Cobb Charles R	-4522	C069	845-6655
Crowder Richard R	-4522	C069	528-1954
1100 FIRST BAPTIST CHURCH	-4504	C069	846-1345
1101 LYNCHBURG REDEVELOPMENT	-4503	C069	845-9011
1300 BABCOCK'S AUTO SVC	-4621	C072	845-4690
HICKEY ELECTRIC CO	-4621	C072	845-3968

BUSINESSES 41 HOUSEHOLDS 45

E COURT ST (AM) 24521

100 AMHERST CIRCUIT COURT JUDGE			946-9329
AMHERST COUNTY CLERK			946-9321
AMHERST TREASURER			946-9318

GATES ST

6

CLAY ST -FROM 501 LUCADO PL SOUTHEAST 2 SOUTHWEST OF CHURCH

ZIP CODE 24504
4TH INTERSECTS
404 Vacant
414 No Return
5TH ST INTERSECTS
500 Fisher Auto Parts 845-1212
503 James River Antiques of Lynchburg 528-1960
514 Collins Joshua @ 845-1591
523 Stalling Inc tob dlrs 846-1339
6TH ST INTERSECTS
600 City Reservoir
605 Saint Paul's Parish House 845-7301
Meals on Wheels Inc humanitarian servs 847-0796
Interface Outreach Assn comm serv program 846-6098
Habitat for Humanity 528-3774
611 Saint Paul's Episcopal Church 845-7301
7TH ST INTERSECTS
701 Morin Laurence P lwyr 528-8880
707 Simpson Johnson Inc consulting 847-7711
Whitehead Paul Assocs lwyrs 846-4691
710 Holy Cross Catholic Church 846-5245
Holy Cross Catholic Ch (Parish Ofc) 846-5245
713a★Davis Aubrey Junius 846-3565
713b Vacant
713c Tweedy Marion
715a Cheeks Fannie M Mrs
715b David Aubrey J 846-3565
721 Lynchburg Daily Bread 845-5703
8TH ST INTERSECTS
801 City Fire Dept Station No 1 847-1492
823 City Jail 847-1300
City Sheriff 847-1301

9TH ST INTERSECTS
10TH ST INTERSECTS
11TH ST INTERSECTS
12TH ST INTERSECTS
1010 Apartments
10a No Return
10b Douglas Pamela D 845-5806
10c Claxton Mable J
10d★Elliott Blanche
10e★Ford Dorothy
10f Bailey Cynthia J 846-5931
11a Berry Charlene J
11b Cardwell Georgia L 846-8168
11c★Moss Sybil
11d Miller Jesse 846-3014
1216 Cawthorne Joan N Mrs @ 845-5249
1220 Wood Margrave N Mrs @ 846-3601

225★Suthard Helen G 385-4791
227 Miethe Terry L 385-5099
229 Billston Wes T
231-233 Vacant (2 Hses)
237★Diemer Curt 385-8596
239 Dowdy Nolan C @ 385-9048
241★Cawthorne Steve L 385-9273
243 Wiley Robt A 385-5328
245 Wilson Phillip J 385-5181
247 Burnett Eddie L 385-0446

6

COURT ST -FROM LUCADO PL SOUTHEAST 1 WEST OF CHURCH

ZIP CODE 24504
409 Tester Cabinet Co 846-3078
410-415 Vacant (2 Hses)
5TH ST INTERSECTS
515 Fisher Auto Parts (Side Ent)
517 Court Street Baptist Church 847-8209
519 Court Street Bapt Ch (Annex) 847-8209
6TH ST INTERSECTS
616-618 Vacant (2 Hses)
620 Courtland Building 528-8200
Lynchburg Foundry Co 528-8200
621 Court Street United Methodist Church 845-3427
Adult Care Center of Central Va adult day care cntr 847-8111
Lynchburg Symphony Orchestra 845-6604
Court Street United Methodist Preschool sch 528-0255
700 Virginia Bldg 847-6446
7TH ST INTERSECTS
Apartments
A1 Davis Alethia 846-6127
A2 Branch Bertha
A3 Moore Ed
A4★Coles Derrick
A5★Lemon Rita
B1 Wood Barbara L
B2★Robinson Nesley Jr
B3 Hamlet Shirley
B4 Scales Eleanor
B5★Thomas Theresa
C1 Harvey Louise 846-7216
C2 Pugh Katherine 846-3802
C3 Burks Jennifer 846-0978
C4 Burton Arth 845-3884
C5 Maybry Ellsie 846-8942
D1 Banks Margt 846-6942
D2★Mc Daniel James
D3★Yville Tina 845-7005
D4 Wooten Angeline 846-1228
D5 Johnson Lucille
D6 Beatty Anthony L Jr 528-2359
708a Sew What alterations
708b Clark Faye T 846-4101
710 Peters Eric G atty 846-8737
712 Howard Killis T lwyr 528-1067
714 Cress-Rhodes & Associates A I A archts 845-1221
715 Bell Alexander W lwyr 528-0411
Reddy & Associates P C 846-7923
Reddy David E cpa 846-7923
716 Nelson & Bice 528-1078
Nelson J Randolph lwyr 528-1078
717 Mc Rorie Kirstein & Gay lwyr 528-8888
720 Warwick House Publishing 846-1200
720a Haper Brenda
720b Brandon Mark
720c Swanson Eliz D 846-2872
720d Nelson Damond A 846-2960
721 Vacant
8TH ST INTERSECTS
800 Vacant
801 Sawyer Preston Jr lwyr 845-6084
Quillian Wm F III lwyr 845-6084
802 Davies & Davies lwyr 528-5500
809 First United Methodist Church 847-8109
818 Unitarian House ch 528-0744

9TH ST INTERSECTS
Old Court House (lybg historical soc)
900 City Court House 847-1490
City Clerk of Circuit Cts 847-1590
City Circuit Ct 847-1491
City Circuit Court 847-1490
905 City Public Safety Building 847-1400
City Police Dept 847-1614
City Genl Dist Ct Clk 847-1560
City Genl Dist Ct 847-1560
915 City School Administration Building 847-1420
City Bd Educ 847-1420
City Sch Lunch Program 847-1612
City Supt Schs 847-1597
City Sch Instructional Servs 847-1451
City Sch Pub Information Ofc 847-1486
City Board Education 847-1597
City Board Education (Busn Serv) 847-1545
10TH ST INTERSECTS
1000 Johnson Carleton A @ 847-7186
Sattler Ross 528-4618
1001 May James C & Assocs engs-surveyors-planners 528-1005
E R A May Land Realtors real est dev 845-2071
1004 Harris Black & Allen lwyr 846-5288
1007 Apartments
1 No Return
2★Samad Tennis
3 No Return
4★Brught J H
1011 Mosby Jester & Leebrick lwyrs 847-0943
1017 Appalachian Plumbing 845-5274
1021 Apartments
1 Hicks Lonnie
2 Cyrus Mary A 847-4142
3 Burks Rosa
4 Colman Francis
1022 New England Financial Group 846-5629
Mays Lawrence W lwyr 528-3600
11TH ST INTERSECTS
1100 First Baptist Church 846-1345
1101 City Redevelopment & Housing Auth 845-9011
12TH ST INTERSECTS
1290 Vacant
13TH ST INTERSECTS
1300 Ace Body Shop auto repr 845-8012
Babcock's Auto Repair Shop 845-4690
Hickey Electric Co contr 845-3988
WASHINGTON ST INTERSECTS

1

CRADDOCK ST -FROM 1807 PARK AV NORTHEAST 1 SOUTHEAST OF ORCHARD

ZIP CODE 24501
800 Old Dominion Wood Products wood products mfg 846-3019
Old Dominion Trading Co 845-5511
900 B & H Cleaning Serv 847-4361
Holloraman Dorothy B @ 847-4361
901 Terry Judy H @ 845-7015
902 Glass Walter A @ 846-5822
903 Martin Samuel G 846-4769

3

CRAIG ST (SOUTH FAIRVIEW HEIGHTS)-FROM 3218 MARYLAND SOUTHWEST 1 WEST OF CAMPBELL AV

ZIP CODE 24501
2104 Morris Thelma B Mrs @ 847-4344
2106 Morgan Mamie E @ 846-1249
2108 Twisdale Robt W @ 847-5777
2110 Roberts Ralph E Jr
2112 No Return
2114 Tidwell Nannie A Mrs @ 847-5920
2115 No Return
2116 Farra Geo
HADEN ST BEGINS
2117 Vacant
2118★Janofsky Susan R
5 2119 Shaed John E @ 845-6432
2122 Napper David L 845-9149
2123 Tomlinson Margt S Mrs @ 846-8352
2124 Doss Steven C @ 845-8701
2125 Storage

INTERSECTS

CLAY ST —FROM 501 LUCADO PL SOUTHEAST 2 SOUTHWEST OF CHURCH

ZIP CODE 24504
4TH INTERSECTS
404★Brooks Thos 845-8763
414 Anderson Preston © 846-5421
5TH ST INTERSECTS
500 Fisher Auto Parts 845-7023
503★Brown Miranda J
514 Collins Joshua © 845-1591
523 Stalling Inc tob growers 846-1339
6TH ST INTERSECTS
600 City Reservoir
605 Saint Paul's Parish House 845-7301
Meals On Wheels Inc humanitarian servs 847-0796
Kum Ba Yah Assn comm serv program 846-6098
611 Saint Paul's Episcopal Church 845-7301
7TH ST INTERSECTS
701 Morin Laurence P lwyr 528-8880
707 Simpson Johnson Inc consulting 847-7711
710 Holy Cross Catholic Church 846-5245
Warner J Anthony Rev
Holy Cross Catholic Ch (Rectory) 846-5245
Krenik Robt Rev
713a★Head Glen
713b Jackson Willie 846-5365
715a Cheeks Fannie M Mrs 846-1750
715b Smith Michl R 846-3565
717★Wright Rawley J 528-2760
721 Holy Cross Council No 595 (K Of C)
8TH ST INTERSECTS
801 City Fire Dept Station No 1 847-1564
823 City Jail 847-1300
City Sheriff 847-1301

9TH ST INTERSECTS
10TH ST INTERSECTS
11TH ST INTERSECTS
12TH ST INTERSECTS
1010★Hughes Edith R Mrs 845-6019
1216 Cawthorne Joan N Mrs © 845-5249
1220 Wood Randolph ©
1223 Henderson Eddie F © 846-3894
1225a Deas Morris F Jr 528-4666
1225b Cheatham Eug C 847-8165
13TH ST INTERSECTS
1300 Vacant
1301 Vacant
1304 Apartments
1★Payne Joyce 845-5382
2★Mc Cray Joan 846-4609
3★Mc Gray B
4★Goode S
5 Bradshaw Carolyn J
6 Transient
1307★Long Jas B
1308 Apartments
1 Davis Louise
2★Younger Ronnie H
3 Jones Roland

35★Luther Hallie S Mrs 237-3215
37★Duff Jas H © 237-0159
39★Rampersad Rennie A © 237-8264
41★Britt
43★Watt
45★Oglesby Jean A Mrs
47★Thacker Roland W © 239-5941
49★Justis
51 Vacant
53★Herbert
55★Davis
57★Deacon David A © 239-8221
59★Blackburn
61★Battle
63★Johnson Geo E © 239-1939
65★Mitchell Duane
67★Isaacoff Mel A 237-2547
69★Snyder
71 Vacant
73 Vacant
75★Reid Elaine H Mrs © 237-3750
77★Haruch
79 Vacant
81★Hart
83 Vacant
85★Roseveare Wm E © 239-6470
87★Burnberg
89 Vacant
91★Woodall
93★Hooper
95 Vacant
97★O'Neil Shawn P © 237-4659
99★Coggins
101 Vacant
103★Moyer Asa H © 237-0129
105 Vacant

COURT ST —FROM LUCADO PL SOUTHEAST 1 WEST OF CHURCH

ZIP CODE 24504
409 Tester Cabinet Co 846-3078
410 Old Dominion Wood Products wood cutters 846-3019
415 Wimmer Tire Co (side)
5TH ST INTERSECTS
515 Apartments
1 Vacant
517 Court Street Baptist Church 847-8209
519 Court Street Bapt Ch (Annex)
6TH ST INTERSECTS
616 Vacant
618 Vacant
620 Courtland Building 846-2570
Lynchburg Foundry Co 528-8200
621 Court Street United Methodist Church 845-3427
Adult Care Cntr supervised day care 847-8111
7TH ST INTERSECTS
700 Apartments
A1★Harvey Louise
A2 Vacant
A3★Daniels Grant E 845-8993
A4★Burton Arth
A5 Davis Oleatha M Mrs 846-6127
B1★Wood Barbara L
B2★Banks Eliz
B3 Burks Jennifer Mrs 846-0978
B4★Williams Priscilla V
B5 Fuller Cheryl L
C1 Vacant
C2 Thurber Jane B Mrs
C3★Petty Vernne
C4 Wooten Lessie Mrs
C5 Payne James E
D1★Williams Robt E
D2 Johnson Stephen V 846-6718
D3 Vacant
D4 Vacant
D5★Johnson Anneatha
Vacant
708a Sew What alterations
708b★Mathis Belle R 845-8054
710a Sargeant Ordiran
5 Samet Elson Moreno
712 Howard Killis T lwyr 528-1067
Daniels Aron Inc real est appraisers 845-0616
714 Cress-Rhodes & Associates A I A archts 845-1221
715 Bell Morrison & Spies lwyrs 528-0411
716 Nelson J Randolph lwyr 528-1078
Ward Peter O Jr lwyr 846-5771
717 Mc Rorie Kirstein Mc Mahon & Gay lwyrs 528-8888
Day Sherwood S lwyr 528-8877
720a Eikev Kenneth J
720b Kimbrell Eliz
720c Swanson Eliz D 846-2872
720d★Draper Adelaide L
721 Whitehead Paul lwyr 846-4691
8TH ST INTERSECTS
800 Peters Eric G lwyr 846-8737
801 Sawyer Preston Jr lwyr 845-6084
Reeves James C III lwyr 845-6084
Quillian Wm F III lwyr 845-6084
802 Davies Devening & Davies lwyrs 528-5500
809 First United Methodist Church 847-8109

9TH ST INTERSECTS
900 City Court House 847-1490
City Circuit Ct 847-1490
City Clerk Of Circuit Cts 847-1590
City Circuit Ct 847-1491
905 City Public Safety Building 847-1400
City Police Dept 847-1614
City Genl Dist Ct Clk 847-1560
City Genl Dist Ct 847-1560
915 City School Administration Building 847-1420
City Sch Admn 847-1474
City Bd Educ
City Sch Lunch Program 847-1612
City Supt Schs 847-1597
City Sch Instructional Servs 847-1451
City Sch Pub Information Ofc 847-1486
City Board Education (Dept Of Personnel Serv) 847-1460
City Board Education (Busn Serv) 847-1545
10TH ST INTERSECTS
1000 Johnson Carleton A © 847-7186
Dudenhasen Ann J 847-7422
1001 May James C & Assocs engineers-surveyors-planners 528-1005
1004 Harris & Black lwyr 846-5288
1007 Apartments
1 Benoy Ethel H Mrs 845-7980
2 Tennis Melinda 846-3415
3 Davis Sara 846-3561
4★Brugh Jos H 847-6398
1011 M B C Realty Ltd 528-0035
Mosby & Falcone lwyrs 847-0943
Southern Title Agency Of Lynchburg Inc 846-4639
1017 Apartments
1 Hudson Ocie K
2 Fuqua Robt B 847-0645
3 Vacant
4★Coleman Frances M 845-2734
1021 Apartments
★Richardson Shelly Mrs 847-7412
2★Cyrus Mary A
3 Barlow John 846-3129
4★Grill Barbara Mrs 845-5452
1022 Jester & Jester lwyrs 528-5858
11TH ST INTERSECTS
1100 First Baptist Church 846-1345
1101 Lynchburg Redevelopment & Housing Authority 845-9011
12TH ST INTERSECTS
1290 Vacant
13TH ST INTERSECTS
1300 Callahan Auto Body Service 846-4453
Babcock's Auto Repair Shop 845-4690

CLAY ST —FROM 501 LUCADO PL SOUTHEAST 2 SOUTHWEST OF CHURCH

ZIP CODE 24504

4TH INTERSECTS

404 Brooks Thos J Rev © 845-8763
414 Anderson Preston © 846-5421

5TH INTERSECTS

500 Blue Ridge Warehouse Inc 847-1017
Newcomb Inc bkpg serv 847-8666
503 Hemphill Barbara 845-2775
512 Vacant
514 Collins Joshua © 845-1591
518 Apartments
1 Henry Janice
2 Tanner Brenda
3 Davis Oleatha M 846-6127
4 Smith Kenneth A
523 Stalling Inc tob growers 846-1339

6TH INTERSECTS

600 City Reservoir
605 Saint Paul's Parish House 845-7301
611 Saint Paul's Episcopal Church 845-7301

CLAY ST—Contd

7TH INTERSECTS

701 Powell Alma
707 Transient
710 Holy Cross Catholic Church 846-5245
Holy Cross Catholic Church Rectory 846-5245
Warner J Anthony Rev
★Lehman Joseph Rev
713★Dempsey Dorothy 845-7248
713a Pennix Alice
715a Cheeks Fannie Mrs 846-1750
715b Burks William H
717 No Return
721 Holy Cross Council No 595 (K Of C)

8TH INTERSECTS

800 Lybg City Fire Dept Station No 1
823 City Jail 847-1300
City Sheriff 847-1301

9TH INTERSECTS

10TH INTERSECTS

11TH INTERSECTS

12TH INTERSECTS

1210 Vacant
1216 Cawthorne Joan N Mrs ©
1220 Vacant
1223 Henderson Eddie F ©
1225 Cheatham Eug C 847-8165
Deas Morris F Jr 528-4666

13TH INTERSECTS

33
V
AV

ZIP CODE 24503
305 No Return
307★Tonneson Gene
309 Wood Bryan W @ 239-4160
Frantz Fred P 239-6121

COURT ST —FROM LUCADO PL SOUTHEAST 1 WEST OF CHURCH

ZIP CODE 24504
409 Tester Cabinet Co 846-3078
410 Old Dominion Wood Products
415 Wimmer Tire Co (side)
416 Parks Lorenza A 845-7101
5TH INTERSECTS
515 Apartments
1 Cabler Beverly
2 Smith Sarah 845-1896
3 Crawford Nellie
4 Smith Marie Mrs
517 Court Street Baptist Church 847-8209
6TH INTERSECTS
616 Spradlin Mabel C Mrs @ 845-6593
618 Vacant
620 Courtland Building 846-2570
1st Fl Lynchburg Fdry Stge 528-8200
ROOMS
2d Fl Lybg Fdry Ofcs
3d Fl Lybg Fdry Ofcs
4th Fl Lybg Fdry Ofcs
6th Fl Lynchburg Foundry 528-8200
621 Court Street United Methodist Church 845-3427
7TH INTERSECTS
700 Vacant
708 Campbell Harry
710 Kitts W R
712 Martin Steph N Assocs real est 847-6619
714 Cress-Rhodes & Assocs A I A archts 845-1221
715 Bell Coward Morrison & Spies lwyrs 528-0411
716 Maguigan Steph C lwyr 528-4932
Nelson J Randolph lwyr 528-1078
Ward Peter O Jr lwyr 846-5771
717 Mc Rorie Kirstein & Mc Mahon lwyrs 528-8888
Day Sherwood S lwyr 528-8877
Morin Laurence P lwyr 528-8880
Gay Prescott H lwyr 528-8888
720 Warwick House
721 Whitehead Paul Associates lwyrs 846-4691
8TH INTERSECTS
801 Sawyer & Quillian lwyr 845-6084
801a Hatcher Louise 846-8884
801b Goff Irene
802 Davies & Denening lwyrs 528-5500
809 First United Methodist Church 847-8109
Bsmt Craft School For The Blind 845-8109

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COURT ST—Contd
9TH INTERSECTS
900 City Court House
City Circuit Ct 847-1491
City Clerk Of Circuit Cts 847-1590
City Circuit Ct 847-1491
City Law Library
905 City Public Safety Building
City Police Dept 847-1614
City Genl Dist Ct Clk
City Genl Dist Ct 847-1560
915 City School Admn Bldg 847-1420
City Sch Admn 847-1664
City Bd Educ
City Sch Lunch Program 847-1612
City Supt Schs 847-1597
City Sch Community Serv 847-1455
City Sch Instructional Servs 847-1451
City Sch Pub Information Ofc 847-1486
City Bd Educ (Personnel & Staff Develop) 847-1460
City Bd Educ (Asst Business Serv) 847-1545
10TH INTERSECTS
1000 Johnson Carleton A 847-7186
1001 May James C & Assoc engineers-surveyors-planners 528-1005
1007 Apartments
1 Benoy Arth W 845-7980
2 Davis Sarah E
3 Beckman Randel
4 Efind Charles
2d Fl Smith W Alan Jr lwyr 528-1058
1017 Apartments
1 Blankenship Karen W
2 Vacant
3 Tryee Lois A
4 Blankenship Sidney
★Gilbert Arbrey
1021 Cyprus G P
1021b★Shelley Rich
1022 Jester Jester & O'Keeffe lwyrs 528-5858
Marks Realty Co 528-1198
11TH INTERSECTS
1100 First Baptist Church 846-1345
1101 Lynchburg Redevelopment & Housing Authority 845-9011
City Juvenile & Domestic Relations Dist Ct 847-1580
2d Fl Twenty Fourth Dist Ct Serv Unit 847-1582
Dept Of Community Planning & Development The (planning div) 847-1508
12TH INTERSECTS
1290 Vacant
13TH INTERSECTS
1300 Callahan Auto Service 846-4453
Cothran Repair Service
WASHINGTON INTERSECTS

CLARKE ST —FROM GRANVILLE SOUTHWEST 2 SOUTHEAST OF PORT AV

ZIP CODE 24502
RADCLIFF INTERSECTS
4701 Scruggs Sidney N @ 846-1281
4704 Phlegar W Henry @ 237-0633
4704½★Boyle Lawrence R Jr 237-0836
4705 Stephens Voyle W @ 237-1244
4708 Foster James M @ 239-7035
4712 Clark John T @ 239-6887
4713 Woodson Lawrence M @ 239-7050
4716 Arthur Leonard C Jr @ 237-1202
4717 Hurst Wm N @ 239-7271
4720 Burks Lucille G Mrs @
4721 Fowler Charlie @
4724 Ping Olive W Mrs @ 239-8353
4725 Tyree Eliz W Mrs @ 239-7961
4728 Derbin James R @ 239-6111
4729 Camden Bernard H @ 239-8265
4733 Smith Leonard E Jr @ 239-7108
4737 Driskill Geo E @ 239-8001
MC KINNEY AV INTERSECTS
GATES INTERSECTS

CLAY ST —FROM 501 LUCADO PL SOUTHEAST 2 SOUTHWEST OF CHURCH

ZIP CODE 24504
4TH INTERSECTS
404 Arrington Wm D 847-7260
406 Vacant
408 Brooks Thos J Rev @ 845-8763
412 Harvey Harry A 846-4016
414 Anderson Preston @ 846-5421
5TH INTERSECTS
500 Blue Ridge Warehouse Inc 847-1017
Newcomb Inc real est 847-1017
503 Griffin Barbara W 845-2775
510 Gillespie Estelle S Mrs @ 845-6326
512 Lynchburg Community Action Group Inc 846-2778
Information & Referral Center Of Central Va 845-8016
514 Collins Joshua @ 845-1591
517 Wade Marion 845-5378
518 Apartments
1 Cashwell Charlotte
2 Spencer Mary Mrs 847-6476
3 Thomas Mary Mrs
4 Afairi Joseph
519 Sprouse Myrtle Mrs 845-6921
Wingfield Lois
523 Vacant
6TH INTERSECTS
600 City Reservoir
605 Saint Paul's Parish House 845-7301
611 Saint Paul's Episcopal Church 845-7301
7TH INTERSECTS

CLAY ST—Contd
701 Blankenship James H @ 847-6798
707 Bragnasa Vincent E @ 845-5679
710 Holy Cross Catholic Church 846-5245
Holy Cross Catholic Church Rectory 846-5245
Ferry Charles E Rev
712 Jamerson Grace M Mrs 845-0790
713 Pennix Maxine
713a★Thompson Delores
714 Londeree Gereldine
Stennett Elsie 845-7538
715a Tweedy Emmett L 845-3530
715b Murphy Josephine M 846-1423
716 Cyrus Geo C 847-4142
717 Smith Wallace @ 846-5625
721 Holy Cross Council No 595 (K Of C)
8TH INTERSECTS
823 City Jail 847-1300
City Sheriff 847-1301

9TH INTERSECTS
10TH INTERSECTS
11TH INTERSECTS
12TH INTERSECTS
1210 Grosman Myer D sht mtl 847-7531
1216 Cawthorne Joan N Mrs @ 845-5249
1220★Wood Randolph D @ 847-4689
1223 Henderson Eddie F @ 845-6992
1226★Deas Morris
13TH INTERSECTS
1300 Noel's Automatic Heating Co 846-6644
1301 Kinckle Janie W Mrs @ 846-0228
1304 Apartments
1 Capps S 846-5982
2 Vacant
3★Bradshaw Carolyn
4 Kirby Ruth 846-5982
5 Wade Winfred A
6 Lawson Larry
1307 Phelps Garnett R
1308 Apartments
1 Withers Eunice 846-1233
2★Withers Veronica
3★Rose Ethal
4 Vacant
1312 Apartments
1 Cox Sharon L 847-4355
2 English Eliz B
3★Cooper Thos
4 Brevo Brenda
Basement Toliver Wanda
1313 Apartments
1 Transient
Transient (Apts 2-5)
1314 Apartments
1★Wood Reginald 846-7654
2★Anderson Mary
3★Lane Marvin W
4 Reed Fleecie V
5 Kidd Clark J
6 Vacant

CENTRAL VIRGINI

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COURT ST —FROM LUCADO PL SOUTHEAST 1 WEST OF CHURCH

ZIP CODE 24504
409 Tester Cabinet & Fixture Co 846-3078
410 Vacant
415 Wimmer Tire Co (side)
5TH INTERSECTS
515 Apartments
Transient (Apts 1-3)
4 Vacant
517 Court Street Baptist Church 847-8209
6TH INTERSECTS
616 Spradlin Mabel C Mrs ◎ 845-6593
618 Vacant
620 Courtland Building 846-2570
1st Fl Lynchburg Fdry Stge 847-4411
ROOMS
2d Fl Lybg Fdry Ofcs
304 Vacant
3d Fl Lybg Fdry Ofcs
4th Fl Lybg Fdry Ofcs
6th Fl Lynchburg Foundry 847-1900
Hinnant Addison & Hinnant archt engs 847-7866
621 Court Street United Methodist Church 845-3427
7TH INTERSECTS
700 Vacant
708 Moorefield Harrison C
710a★Sargent O D
710c Heebrick Annie B 846-4528
1st Fl★Reeves Ola
2d Fl Richburg Sherry
3d Fl★Lobb Ann
714 Cress-Rhodes & Assocs archts 845-1221
715 No Return
716 Cline Nyal L archt 846-7475
717 Vacant
720 Apartments
1 Vacant
Transient (Apts 2-4)
720½ Vacant
721 Whitehead Paul Associates 846-4691
8TH INTERSECTS
800 Day Sherwood S lwyr 845-5177
Reeves James C III lwyr 847-4405
Martin Steph N Associates real est
801 Sawyer Preston Jr lwyr 845-6084
Farmer James S lwyr 845-6084
Quillian Wm F III lwyr 845-6084
801a Hatcher Louise 846-8884
801b Horne Helen F 846-1224
802 Davies & Peters lwyrs 845-6025
809 First United Methodist Church 847-8109
Bsmt Craft School For The Blind 845-8109

9TH INTERSECTS

COURT ST—Contd

900 City Court House
City Circuit Ct 847-1491
City Clerk Of Circuit Cts 847-1590
City Circuit Ct 847-1490
City Law Library
901 Vacant
905 City Public Safety Building
City Police Dept 846-2781
City Genl Dist Ct
City Genl Dist Ct 847-1560
915 City School Admn Bldg 847-1420
City Sch Admn 847-1474
City Bd Educ
City Sch Lunch Program 847-1612
City Supt Schs 847-1597
City Bd Educ (Asst Personnel Supt) 847-1460
City Bd Educ (Asst Business Serv) 847-1545
10TH INTERSECTS
1000 Apartments
1 Tucker K J Mrs 846-7112
2 Benoy Arth W
3 Massie Martha W artist 845-2429
5 Austin Zenobia 847-7468
6 Walker Gary
1001 Milton Gentry & Patterson Inc real est 847-1036
1004 Harris Wm P lwyr 846-5288
1007 No Return
1011 Mosby J Leyburn Jr lwyr 847-0943
Smith W Alan Jr lwyr 845-1381
1017 Apartments
1★Worley Myrtle T
2 Cole Gladys 846-1010
3 Blankenship
4 Cullen Mary L 845-9287
5 Otey Lottie 846-3925
1021 Apartments
1 Mc Alexander Virginia 845-1582
2 Russell S Jane Mrs 846-8325
3 Lucado Geraldine
4 Goodwin Lelia
1022 Vacant
11TH INTERSECTS
1100 First Baptist Church 846-1345
1101 Lynchburg Redevelopment & Housing Authority 847-6868
City Juvenile & Domestic Relations Dist Ct 847-1580
2d Fl Twenty Fourth Dist Ct Serv Unit 847-1582
City Bd Of Comnrs
City Community Servs Dept (Planning Div) 847-1508
12TH INTERSECTS
13TH INTERSECTS
1300 Vacant
WASHINGTON INTERSECTS

CLARK ST (MH)—Contd
507 Owen Alvin L 846-7259
509 Hudnall John W ◎ 846-6031
7TH INTERSECTS

129

CLARK'S RD (MADISON HEIGHTS)
FROM 317 US HWY 29 NORTHWEST

ZIP CODE 24572
101 Shaner C Duval ◎ 847-5974
OTWAY BEGINS
200 Johnson Warren L 846-4841

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CLARKE ST —FROM GRANVILLE SOUTHWEST 2 SOUTHEAST OF FORT AV

ZIP CODE 24502
RADCLIFF INTERSECTS
4701 Smith W H ◎ 239-3241
4704 Phlegar W Henry ◎ 237-0633
4704½ Foust Horace L ◎ 239-8575
4705 Stephens Voyle W ◎ 237-1244
4708 Foster James M ◎ 239-7035
St Gay Ruby G Mrs ◎ 239-7136
4713 Woodson Lawrence M ◎ 239-7050
4716 Arthur Leonard C Jr ◎ 237-1202
Bolin Rebecca S 239-1518
4717 Hurst Wm N ◎ 239-7271
4720 Burks Earl M ◎ 237-1196
4721 Wilmouth Saml C ◎ 239-7578
4724 Ping James L ◎ 239-8353
4725 Tyree Eliz W Mrs ◎ 239-7951
4728 Derbin James R ◎ 239-6111
4729 Camden Bernard H ◎ 239-8265
4733 Smith Leonard E Jr ◎ 239-7108
4737 Driskill Geo E ◎ 239-8001
4739 Johnson A Dan ◎ 239-4232
MC KINNEY AV INTERSECTS
GATES INTERSECTS

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CLAY ST —FROM 501 LUCADO PL SOUTHEAST 2 SOUTHWEST OF CHURCH

ZIP CODE 24504
4TH INTERSECTS
404 Arrington Wm D 847-7260
406 Calvary Tabernacle
408 Brooks Thos J Rev ◎ 846-5981
412 Brooks Thos C Rev ◎ 846-1731
414 Butler Wm I ◎ 845-8125
5TH INTERSECTS
500 Vacant
502 Vacant
503 Brown Herbert L
504 Vacant
506 Vacant
510 Gillespie Estelle S Mrs ◎ 845-6325
512 Lynchburg Community Action Group Inc 845-5963
514 Collins Joshua ◎ 845-1591
517 Cofer Gibson M
518 Ford Margt J Mrs ◎
Black Sara P 845-7254
Brown Mildred B Mrs 846-6756
Merryman Mary L 845-4104
519 Harmon Ruby H Mrs
522a Sprouse Myrtle Mrs 845-6921
522b Kelly John W
522c Haenn Barbara M 845-3861
523 Henderson Andrew T ◎ 845-3768
6TH INTERSECTS
600 City Reservoir
605 Saint Paul's Parish House 845-7301
611 Saint Paul's Episcopal Church 845-7301
7TH INTERSECTS
700 Holy Cross Catholic Church 846-5245
701 Blankenship James H ◎ 847-6798
707 Bragassa Vincent E ◎ 845-5679
710 Naro Carl J Rev 846-5245
712 Jamerson Grace M Mrs 845-0790
713 Sullivan Julia A ◎ 845-2473
713a Odor Myrtle 845-1761
714 Mac Leod Wm T Jr 845-2725
715a Vacant
715b Murphy Veronica J 846-6123
716 Cyrus Geo C 847-4142
717 Smith Wallace ◎ 846-5625
721 Holy Cross Council No 595 (K Of C)
8TH INTERSECTS
801 Cablee Douglas
803 Whirley Redar 847-8295
805 No Return
807 Butler Gertrude W Mrs 846-7683
809 Edwards Frances V ◎ 845-2168
811 Vacant
813 Vacant
823 City Jail 846-2781
City Sergeant 846-2781

9TH INTERSECTS
901 Lybg Pub Sch Mtce Dept
922 Turner Patsy Mrs
924a Jamerson Albert N
924b Marks Dave
10TH INTERSECTS
1000 Harper Earnest
1001 Dixon Wm J
1003 Jefferson Harold
1005 Mosby Claudett
1006 Vacant
1008 Vacant
1010 Ford Pauline
1013a William Cashwell E Jr
1013b Robinson Carrie A Mrs 846-0334
1014 Rucker Alice Mrs
1015 Smith Wm 846-7858
1017 No Return
1019 Tolley Julia L Mrs

CLAY ST—Contd
1021 Hudson Grafton R
Brown Eliz
11TH INTERSECTS
1101 Robertson Bernard 846-2243
1111 Kennedy's Linoleum Shop floor covering 845-1181
1114 Booker Alex T 847-6711
1117 Vacant
1120 Wholesale Transmission Of Virginia 846-8515
12TH INTERSECTS
1210 Grosman Myer D sht mtl 847-7531
1216 Cawthorne Joan N Mrs ◎ 845-5249
1220 Brightwell Mary B ◎ 847-4689
1223 Henderson Eddie F ◎
13TH INTERSECTS
1300 Mayor Mary S Mrs ◎
1301 Kinckle James G ◎ 846-0228
1304 Thomas Frances Mrs 846-7438
Smith Kenneth M

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COSBY ST—Contd
1128 Newman Wm P ◎ 845-0652
1129 Kunz Christene S Mrs ◎ 845-0478
1132 Cumby Florence R Mrs ◎ 845-2147
MONSVIEW PL INTERSECTS

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COURT ST —FROM LUCADO PL SOUTHEAST 1 WEST OF CHURCH

ZIP CODE 24504
409 Lynchburg Battery Service 847-7745
410 Lynchburg Hosiery Mills Inc (Plant No 2) 847-6481
415 Burnett Tire Co (side)
5TH INTERSECTS
509 Blue Ridge Warehouse stge
515 Apartments
1 Wilkerson Floyd L 846-6473
2 Wade Victoria Mrs
Vacant
Vacant
517 Court Street Baptist Church 847-8209
6TH INTERSECTS
600 Apartments
1 Vacant
2 Vacant
3 Vacant
4 Rose Addie C Mrs
604 Johnson Lillian Mrs
Bomar Leroy
Fleshman James T
608 Miller Robt E 846-0518
610 Apartments
1 Proffitt Mary Mrs 845-6937
2 Vacant
3 Brooks Gladys L Mrs 845-6244
4 Miller Dorothy B Mrs 847-6987
612 Mays Ann
Mc Nabb John M 845-1418
614 Vacant
616 Spradlin Mabel C Mrs ◎ 845-6593
618 Vigneau Lucile S Mrs 845-3105
620 Courtland Building 846-2570
1st Fl Lynchburg Fdry Overflow 847-4411 Rooms
205 Craddock Crowder & Edmunds phys 845-0979
205 Craddock Geo B phys 845-0979
205 Crowder R Vincent Jr phys 845-0979
205 Edmunds B Prescott Jr phys 845-0979
301 Vacant
302 Vacant
304 Virginia Foundation For Independent Colleges 847-6609
305 Vacant
306 Vacant
Floors
4th Fl Vacant
6th Fl Lynchburg Foundry Co (Div Of Woodward Co) ofc 847-4411
621 Court Street United Methodist Church 845-3427
7TH INTERSECTS
700 Phillips Business College (DORM) 845-9755
707 Apartments
1 Vacant
2 Vacant
3 Vacant
4 Vacant
708 Yourk Joseph
Leebrick Ann M Mrs 846-6974
Moorefield Harrison
Harris H L
Parker Walter
710 Ashley Walker W
712 Vacant
714 Cress-Rhodes & Assoc archts 845-1221
715 Vacant
716 Cline Nyal L archt 846-7475
717 Ivey Mary W ◎ 846-7471
718 Vacant
720 Apartments
1 Hammersley Marie H Mrs
2 Padgett Eliz C Mrs 845-1569
3 Vacant
4 Vacant
720½ Vacant
721 Whitehead Paul Associates 846-4691
8TH INTERSECTS
800 Smith W Alan Jr atty 845-6025
801 Smith Wm B lwyr 845-6084
Sawyer Preston S Jr lwyr 845-6084
Payne Richd E lwyr 845-6084
802 Davies & Farmer lwyrs 845-6025
803 Vacant
808 Vacant
809 First United Methodist Church 487-8109
Bsmt Craft School For The Blind 845-3694
810 Vacant
812 Vacant
818 Vacant

5

9TH INTERSECTS
900 City Court House
City Circuit Ct 846-2781
City Clerk Of Corp And Circuit Cts 846-2781
City Corp Ct 846-2781
City Law Library 846-2781
901 City Old Ct House
City Juvenile And Domestic Relations Ct 846-2781
Floors
1st Fl City Probation Ofcr 846-2781
2d Fl State Probation And Parole Ofc Dist No 13 845-7063
Rear Vacant
905 City Dept Of Planning & Trans
915 Vacant
10TH INTERSECTS

COURT ST—Contd
1000 Apartments
1 Tucker K J Mrs 846-7112
2 Watts Imogene 845-7980
3 Massie Martha W artist 845-2429
4 Stge
5 Austin Zenobia 847-7468
6 Purvis Abbie B 847-5680
1001 Benoy Arth W ◎ 847-5156
1004 Thaxton Mary H Mrs 846-5381
Crews Ann
Eadey Frankie
Mayton Ella S
Mahan Lainell M
1007 Mc Craw Apartments
1 Mc Craw Ruth D Mrs ◎ 847-4709
2 Lea Sallie 845-5555
3 Hewitt Elsie H 846-1092
4 Maddox Inez
1010 Apartments
Bsmt Mc Faden Raymond A 846-2119
1 Hill Margt H Mrs 845-4788
2 Barksdale Hallie 845-0685
3 Buckley Agnes C 845-4614
4 Vacant
1011 Vassar I Hugh Jr ◎ 845-4612
1011a Taylor Eliz J
1011b Ranson Mary W
1017 Apartments
1 Price Douglas S Mrs 846-5409
2 Cole Gladys 846-1010
3 Woodall A Ruth Mrs 846-7895
4 Cullen Mary L 845-9287
5 Reynolds Shirley Mrs
1020 Phillips Business College (Annex)
1021 Apartments
1 Mc Alexander Virginia 845-1582
2 Russell S Jane Mrs 846-8325
3 Bradford Carroll B 846-4456
4 Johnson Houston C
1022 Hinnant Addison & Hinnant archt engs 846-6655
Apartments
3 Corbin Barbara J Mrs 845-7280
3 Wingfield Flossie 846-2305
4 Vacant
5 Vacant
11TH INTERSECTS
1100 First Baptist Church 846-1345
1101 City Sch Admn Bldg 845-6051
City Bd Of Educ
City Sch Admn 845-6051
City Sch Lunch Program
City Supt Of Sch
City Supvr Of Elem Sch
12TH INTERSECTS
13TH INTERSECTS
1300 Virginian Ford 847-8841
WASHINGTON INTERSECTS

1824 12th St.
TELEPHONE 845-4251
VE., 24501

6

CLAY ST -FROM 501 LUCADO PL
SOUTHEAST 2 SOUTHWEST OF CHURCH

---ZIP CODE 24504
---4TH INTERSECTS
404 ARRINGTON WM D 847-7260
406 BROOKS THOS C
408 BROOKS THOS J 846-6367
412 VACANT
414 BUTLER WM I • 845-8125
---5TH INTERSECTS
500 POLLARD LULA
503 MAHAN MARY G MRS • 846-2505
504 TINSLEY DOCK
505 VACANT
505½ STINNETT JOHN
506 VACANT
509 VACANT
510 GILLESPIE ESTELLE S MRS •
845-6325
511 VACANT
512 VACANT
513 GREEN WM L
514 MAHAN JOHN G 845-2540
515 BARNHILL BOBBY J
HARRIS MADORA MRS
517 COFER GIBSON M
518 FORD MARGT J MRS •
BLACK SARA 845-7254
BROWN MILDRED MRS 846-6756
MERRYMAN MARY L 845-4104
519 EVANS CAROLYN
BAKER SHIRLEY
522 MAXEY MAGGIE M MRS 846-1558
PHIPPS DAVID H 845-7722
523 HENDERSON ANDREW T • 845-3768
---6TH INTERSECTS
600 CITY RESERVOIR
605 SAINT PAUL'S PARISH HOUSE
845-7301
611 SAINT PAUL'S EPISCOPAL CHURCH
845-7301
---7TH INTERSECTS
700 HOLY CROSS CATHOLIC CHURCH
846-5245

CLAY ST--CONTD
701 BLANKENSHIP JAMES H •
847-6798
707 BRAGASSA VINCENT E • 845-5675
710 HOLY CROSS RECTORY 846-5245
NOTT F HAROLD REV
712 JAMERSON GRACE M MRS
CRENSHAW JANET
713 SULLIVAN JULIA A • 845-2473
7134 ODOR MYRTEE 845-1761
714 MAC LEOD WM T JR 845-2725
715A HALL IRENE MRS 845-7628
715B VACANT
716 CYRUS GEO C 847-4142
717 SMITH WALLACE • 846-5625
721 HOLY CROSS COUNCIL NO 595 (K
OF C)
---8TH INTERSECTS
801 CABLEE DOUGLAS
803 WHIRLEY REDAR
805 STEVENSON MARTIN L
807 BUTLER GERTRUDE W MRS
846-7683
808 VACANT
809 EDWARDS FRANCES V • 845-2168
810 VACANT
811 ELLIOTT ANNIE L • 845-7829
512 VACANT
818 WOOD JAMES H 845-3890
823 CITY JAIL 846-2781
CITY SERGEANT 846-2781

5

---9TH INTERSECTS
901 WYATT JOHN ELEMENTARY SCHOOL
846-8190
904 FITZGERALD JESSIE 845-6164
906 HUDSON MATTIE M MRS
MARTIN GEO T
906A LITTLE GEORGE B
910 LACY ALICE L MRS
913 TUCKER GEORGIA B MRS 845-7753
RAGLAND JOHN JR
915 DELOATCH ELVIS
916 COOPER FRANK W 846-6882
919 MC GINNIS LUCILLE W MRS
845-7617
921 HOWARD BENJ F 847-7673
922 ANTHONY WM O
923 WALKER ERNEST E 846-2003
924 JOHNSON RICHD E 846-8143
COLEMAN LILLIAN M 846-2003
---10TH INTERSECTS
1000 HARPER ERNEST E 847-4877
1001 HAYTHE HELEN C MRS
1003 JEFFERSON HAROLD L 847-8607
1005 POWELL THOS G 845-5482
1006 TALIAFERRO CLAYTON H
1008 DEAS MAURICE F
1009 CREWS OLA P MRS 846-6820
1010 SANDIDGE LELA MRS 845-4137
1013 BROWN THELMA M MRS
ALEXANDER RICHD
ROBINSON CARRIE A MRS
1014 VACANT
1015 VACANT
1017 SMITH RADAR W MRS
THOMAS JOHN
1019 TOLLEY J L MRS
1021 VACANT
1023 VACANT
---11TH INTERSECTS
1101 VACANT
1111 KENNEDY'S LINOLEUM SHOP
FLOOR COVERING 845-1181
1114 BOOKER ALEX T 847-6711

6

COURT ST -FROM LUCADO PL
SOUTHEAST 1 WEST OF CHURCH

---ZIP CODE 24504
409 OVERSTREET H T-TRADING AS
LYNCHBURG BATTERY SERV
847-7745
410 LYNCHBURG HOSIERY MILLS INC
(PLANT NO 2) 847-6481
415 BURNETT TIRE CO SIDE
420 VACANT
---5TH INTERSECTS
509 LYNCHBURG BATTERY & IGNITION
CO STGE
515 APARTMENTS
1 WILKERSON FLOYD L •
846-6473
2 MASON DOROTHY 846-7670
3 SNEED RUBY MRS
4 SPRADLIN IDA
517 COURT STREET BAPTIST CHURCH
847-8209
---6TH INTERSECTS
600 APARTMENTS
1 VACANT
2 VACANT
3 HARRIS GEO R
4 VACANT
604 ENNIS LLOYD E
608 MILLER ROBT E • 846-0518
610 APARTMENTS
1 VACANT
2 WILLIAMSON MILDRED R MRS
3 BROOKS GLADYS L MRS
845-6244
4 MILLER DOROTHY B MRS
847-6987
612 PROFFITT SADIE B MRS 845-1844
614 LEA SALLIE E 845-5555
WHITTEN ALMA M MRS 847-6310
616 SPRADLIN JAMES W • 845-6593
618 VIGNEAU LUCILE S MRS
620 COURTLAND BUILDING 846-2570
JOHNSON JANITORIAL SERVICE
845-8431
ROOMS
205 CRADDOCK CROWDER &
EDMUNDS PHYS 846-0422
304 VIRGINIA FOUNDATION FOR
INDEPENDENT COLLEGES
847-6609
305 VACANT
306 VACANT
4TH FLOORS
4TH FL CLINE NYAL L ARCHT
846-7475
5THFL LYNCHBURG FOUNDRY CO
(DIV OF WOODWARD IRON
CO) OFC 847-4411
621 COURT STREET METHODIST CHURCH
845-3427
---7TH INTERSECTS
700 PHILLIPS BUSINESS COLLEGE
DORM 846-8414
707 APARTMENTS
1 MESCHENDORF ELIZ • 845-8745
2 NO RETURN
3 PICKERAL MABEL
4 BERRY GALE
708 RUSSELL PEARL 846-4268
710 ASHLEY W N
SARGENT O D
712 FREEMAN DAVID W • 845-9363
CHILDREN HEAD
ARTHUR JESSE
714 VACANT
715 LYNCHBURG COMMUNITY ACTION
GROUP INC 845-1720
716 VACANT
717 IVEY MARY W • 846-7471
718 VACANT
720 APARTMENTS
1 HAMMERSLEY MARIE H MRS
2 PADGETT FRANK W 845-1569
3 WITT WM R
3 SLIGH LYLE
720½ YOUNG DENNIS V
721 UNIVERSITY OF VA SCH OF GENL
STUDIES (LYBG BR) 845-6033
---8TH INTERSECTS
800 HATCHER MARY L MRS FURN RMS
846-8884
802 GILLIAM ELSIE W • 847-5219
DIUGUID ELIZ INT DEC 846-6692
803 VACANT•
808 NO RETURN
809 FIRST METHODIST CHURCH
847-9109
810 LOHMER EDW R 845-3310
812 FLESHMAN JAMES
818 VACANT
820 VACANT
BSMT CRAFT SCHOOL OF THE BLIND

---9TH INTERSECTS
900 CITY COURT HOUSE
CITY CIRCUIT CT 846-2781
CITY CLERK OF CORP AND
CIRCUIT CTS 846-2781
CITY CORP CT 846-2781
CITY LAW LIBRARY 846-2781
901 CITY OLD CT HOUSE
CITY JUVENILE AND DOMESTIC
RELATIONS CT 846-2781
FLOORS
1ST FL CITY PROBATION OFCR
846-2781
2D FL STATE PROBATION AND
PAROLE OFC DIST NO 13
845-7063
903 PAYNE RICHD E LWYR 845-6084
SMITH WM B LWYR 845-6084
MARTIN B F MRS
THAXTON GEO R 846-5381
HORNE HELEN F MRS
915 WITHERS LEONARD W 847-8403
MAC CUBBIN JERRY
917 HILLCREST THE APTS
BSMT HARRISON JULIEN 846-7883
BSMT ORE WALTER T
BSMT TUCKER CHARLIE
BSMT WALKER HARRY M
1 CHAPMAN WILSON E 846-3112
21 PARIS RUBY V MRS 845-9727
22 TAYLOR JOHN R 847-4994

COURT ST--CONTD
HILLCREST THE APTS--CONTD
23 ROBERTSON ELIZ NURSE
845-1389
24 JONES G HUGH 847-5267
24 RYAN RUTH K NURSE
31 WATTS IMOGEN P 845-4424
32 OVERACRE LOWRY G 845-4318
33 HUDSON HARRY B PNTG CONTR
845-5271
34 SMITH EDW P 846-2952
41 VACANT
42 ROGERS MARY A MRS 847-7327
43 SHEPHERD KATHLEEN H MRS
847-5313
44 SHELOR FRED C 846-6035
921 WOODROW THE APTS
1 FILES MAYME M NURSE
846-1750
1A CANTIERI OUIDA 846-5362
2 MC DEARMON NETTIE MC I MRS
846-6778
2A TUCKER KETURAH M MRS
846-7112
3 KENT FRANCES M 846-7573
3A BRUMMIT C L
4 WALKER HARVEY D 846-3620
5 SHELTON PERCY S 845-2239
7 WITT MAUDE 845-5330
8 CAMPBELL DOROTHY E 847-5877
9 MAY DORA S MRS
10 WOOD REUBEN
11 BARKSDALE HALLIE 846-5531
12 KITTELSON PAULINE P MRS
---10TH INTERSECTS
1000 APARTMENTS
1 LOFTIS L H 847-8910
2 TAYLOR HENRIETTA M MRS
846-0836
3 MASSIE MARTHA W ARTIST
845-2429
4 AUSTIN ZENOBIA 847-7468
5 AUSTIN MARY L
6 PURVIS ABBIE B 847-5680
1001 BENOY ARTH W • 847-5156
1004 GOLLADAY MARY M MRS FURN RMS
• 845-1433
1007 MC CRAW APARTMENTS
1 MC CRAW RUTH D MRS •
847-4709
2 FOSTER ELLEN M MRS 847-4869
3 HEWITT ELSIE H 846-1092
4 JARRETT JOAN M
1010 APARTMENTS
BSMT MC FADEN RAYMOND A 846-2119
1 HILL MARGT H MRS 845-4788
2 SPROUSE ELSIE MRS
3 BUCKLEY AGNES E 845-4614
4 ROBEY J E 845-6336
1011 VASSAR I HUGH JR • 846-4612
1011A TAYLOR ELIZ J
1011B RANSON MARY W
1017 APARTMENTS
1 PRICE DOUGLAS S MRS
846-5409
2 MC FADDEN JUDITH E 846-3876
3 WOODALL A RUTH MRS 846-7895
4 CULLEN MARY L 845-9287
5 BRADFORD CARROL B 846-4456
1020 PHILLIPS BUSINESS COLLEGE
(ANNEX)
1021 APARTMENTS
1 MC NAMEE EDWIN T 846-8325
2 RUSSELL S JANE MRS
3 MC ALEXANDER VIRGINIA
845-1582
4 VACANT
1022 HINNANT ADDISON & HINNANT
ARCHT ENG'S 846-6655
APARTMENTS
3 CORBIN BARBARA J MRS
845-7280
4 WALTON BLANCHE W
5 NO RETURN
6 GOFF WILLIAM E
---11TH INTERSECTS
1100 FIRST BAPTIST CHURCH
846-1345
1101 CITY SCH ADMN BLDG 845-6051
CITY BD OF EDUC
CITY SCH ADMN
CITY SCH LUNCH PROGRAM
CITY SUPT OF SCH
CITY SUPVR OF ELEM SCH
---12TH INTERSECTS
---13TH INTERSECTS
1300 VIRGINIAN FORD AUTOS
847-8841
---WASHINGTON INTERSECTS

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CRADDOCK ST -FROM 1807 PARK AV
NORTHEAST 1 SOUTHEAST OF
ORCHARD

---ZIP CODE 24501
800 CRADDOCK-TERRY SHOE CORP WEST
END FCTY 845-3411
900 GILLIAM VERNARD F 845-7224
901 POTTER DORIS M MRS 845-8651
ARTHUR EZRA T
902 LLOYD DAN W 846-6370
903 STANLEY BARBARA B MRS

30

CRAIG ST (SOUTH FAIRVIEW
HEIGHTS)-FROM 3218 MARYLAND
SOUTHWEST 1 WEST OF CAMPBELL AV

---ZIP CODE 24501
2104 MORRIS JESSE H • 845-0210
2106 VEST JANET J MRS •
2108 HOWARD JAMES L • 845-2478
2110 HICKS LILLIAN C MRS •
845-6146
2112 WALKER CLARENCE M • 845-1041
2114 TIDWELL RUDOLPH T
2115 SHREAVES LEWIS
2116 FARRAR EMMETT B •
---HADEN BEGINS
2117 SLIGH VERA MRS
2118 ALLEN HARVEY F • 846-7840
2119 BAILEY ANNE MRS
2119A LOTT LOIS MRS 845-7270
2122 BURNETTE JACK L 845-8973

CLAY—Contd
504 Vacant
505 Wall J Eulalia VI6-2825
Epperson Lucy nurse
505½ Jones Frances L Mrs VI5-5763
506 Vacant
510 Gillespie Estelle S Mrs ® VI5-6325
511 Dodd Norvell 846-6494
512 Lybg Guidance Center (clinic) VI5-6031
513 Ragland Thos E VI7-8400
Walton Blanch
514 Mahan John G VI5-2540
515 Vacant
517 No return
518 Jordan Annie M Mrs VI7-5146
Keesee Evie M VI5-9283
Ford Margt J Mrs ® VI7-5146
Merryman Mary L 845-4104
519 White Corbett W 845-4033
White Corbett W jr
Stinnett Clarence A 847-7196
522 Phipps David H VI5-7722
Maxey Maggie M Mrs VI6-1558
Duncan Nell G Mrs
6th intersects
600-18 City Reservoir
605 StPaul's Parish House 845-7301
611 StPaul's Epis Ch 845-7301
7th intersects
700 Holy Cross Cath Ch VI5-3378
701 Blankenship Jas H ® VI7-6798
707 Bragassa Vincent E ® VI5-5679
710 Holy Cross Rectory 846-5245
Knott F Harold Rev
712 Morris Wm H VI7-5943
713 Sullivan Julia A ® VI5-2473
713a Odor Myrtle C Mrs VI5-1761
714 Mac Leod Wm T jr 845-2725
Stinnette Jas O
715 Jones Maude S Mrs VI5-2554
Smith Mary A VI5-0417
716 Cyrus Geo C VI7-4142
717 Smith Wallace ® VI6-5625
Drinkard Taylor S VI6-8085
721 Holy Cross Council No 595 (KofC)
8th intersects
801 Coleman Lillian 846-8143
803 Early Heln G Mrs VI6-4539
805 Stevenson Martin L
807 Butler Gertrude W Mrs
808 Vacant
809 Edwards Frances V ® 845-2168
810 Vacant
811 Elliott Anne L ® VI5-7829
812 Hudson Mattie Mrs
813 Crowe Maude D Mrs VI5-3745
814 No return
814½ Vacant
818 Wood Jas H VI5-3890
Johnson Wm N VI5-3890
820 Beckner Lindsey C VI6-6756
823 City Jail VI6-2781
City Sergeant VI6-2781
Ware Wm T VI6-2210
9th intersects
901 Wyatt John Elem Sch VI6-8190
904 Young M Luther 846-5183
906 Wade Herbert H VI6-7952
909 Vacant
910 Blankenship Lewis E
913 Baldree Robt J
McCormick Geo E
915 Bragg Lawernce R ® VI7-4164
916 Scott Lyn R Mrs ® VI6-5431
919 McGinnis Lucille W Mrs ® VI5-7617
921 Howard Benj F
922 Harris Wm H jr ® VI7-4387
Crooks Mary S Mrs 847-4387
923 Cooper Frank W VI6-6882
Dugger Eliz L 846-5051
924 Vacant
10th intersects
1000 Vacant
1001 Stone Mary E 845-3294
Walker Nannie M Mrs
1003 Jones Fred H VI6-2138
1005 Coffey Leslie T VI5-9303
1006 Meeks Leon W jr ® VI5-3756
1008 Hubbard Wm F
Fielder Nellie C Mrs
1009 Vacant
1010 Rutherford Mabel J Mrs
1013 Williams Andrew J VI5-6282
1014 Seay Maude C Mrs ® VI5-2276
1015 Waller Jesse T
Jamison Marion Mrs
1017 Lipscomb Virginia M Mrs
Cofer Gibson M
1019 Tolley Virginia baby sitter
Self Wm T
1020 Vacant
1021 Payne Juanita M Mrs
Myers Neal A
Broadwell Bruce
1023 Apartments
1-3 Vacant
11th intersects
1101 Shields Paul B VI6-3796
1103 Vacant
1111 Kennedy's fl covering VI5-1181
1114 Brooker Alex T VI7-6711
1117 Piedmont Garment Inc children's clo mfrs VI6-1232
1120 Hammersley Used Car Corp (stge)
12th intersects
1210 Grosman Myer D roofer and sht mtl wkr VI7-7531
1216 Cawthorne Curtis W VI5-5249
1220 Brightwell Camilla E ® VI7-4689
1223 Henderson Eddie F ® VI6-4251
1225 Everett Wm R ® VI6-4434
Williams Robt E ® VI5-2123
13th intersects
1300 Major Mary
1301 Kinckle Jas G ® VI6-0228
1304 Cassell Walter H VI6-7608
Pope Johnny C VI5-7826
ter Curd Haywood L 846-1855
1307 Jackson Blanche Mrs ® 845-4050
Morton Jas M
1308 Chappell Elise D Mrs ® VI5-6313
1309 Vacant
1312 Crouch Earnest L VI6-8126
Osborne David W VI6-8126
1313 Apartments
1 VanHall Gen jr 846-6324
2 Martin Chas H

ANDERSON & SHORTER, Inc

COURT—From Lucado pl southeast, 1 west of Church 6
409 Overstreet H T-Trading as Lybg Battery Serv VI7-7745
Lybg Battery Serv VI7-7745
410 Lybg Hos Mills Inc (plant No 2) VI7-6481
415 Burnett Tire Co (side)
420 Hudgins Funeral Home VI6-2741
Hudgins J Calvin ® VI6-2741
5th intersects
509-11 Lybg Battery & Ignition Co (stge)

515 **Apartments**
1 Wilkerson Floyd L ® VI6-6473
2 White Gwen B VI6-7884
3 Wade Ernest S VI6-6675
4 Fitch Thos F
Street continued
517 Court Street Bapt Ch
6th intersects
600 **Apartments**
1-2-3 Vacant
4 Vacant
Street continued
604 Vacant
608 Miller Robt E ® VI6-0518
610 **Apartments**
1 Cralle Mattie F Mrs VI5-8968
2 Thomas Margt S Mrs
3 Brooks Gladys L Mrs VI5-6244
4 Miller Dorothy B Mrs VI7-6987
Street continued
612 Proffitt Sadie B Mrs 845-1844
614 Lea Sallie E VI5-5555
Whitten Alma Mrs 847-6310
616 Spradlin Jas W ® VI5-6593
618 Staples Robt M VI5-3105
620 **Courtland Building VI6-2570**
Johnson Janitorial Serv Inc VI6-8236
Rooms:
201 Vacant
205 Pugh Wm T phys VI6-3454
Haynsworth Josiah E phys VI6-3454
Hill David B phys VI6-3454
302-03 Craddock Geo B phys VI6-0422
Crowder R Vincent jr phys VI6-0422
304 Va Foundation for Independent Colleges VI7-6609
306 Vacant
4th fl Cline Nyer L archts 846-7475
5th-6th fls Lybg Fdry Co (Div of Woodward Iron; ofc) VI7-4411

COURT—Contd
Street continued
621 Court St Meth Ch VI6-7661-VI5-0516
7th intersects
700 Arlington Mtr Hotel VI5-4567
Arlington Mtr Hotel Coffee Shop
restr VI5-9481
Arlington Hotel Corp VI5-4567
707 Apartments
1 Meschendorf Eliz M @ VI5-8749
2 Maxwell John W VI5-1128
3 Vacant
4 Hewitt Elsie H VI6-1092
Street continued
708 Lewis Howard N 846-6668
Staton Grover L
710 Bolling Letha Mrs
Powell Elmer
Irby Tony
712 Pauly Victor P @ VI5-9363
Pauly Geremaine G Mrs furn rms
714 Padgett Frances furn rms
715 Forsberg Annie L @ VI5-3896
Myers Myron L VI7-5838
Hall Irene S Mrs VI5-7628
Gerhart Mayme Mrs 845-5587
716 Campbell Dorothy Mrs
717 Ivey Mary W @ VI6-7471
718 Russell Pearl T Mrs 846-6095
Magann Dorothy Mrs
720 Apartments
1 Hammersley Marie H Mrs
2 Padgett Frank W VI5-1596
3 Bell W C
4 Krauss Mable D Mrs
Street continued
720½ Young Dennis O VI6-0092
Towler Harley N jr
721 University of Va Sch of Genl Studies
(Lybg Center) VI5-6033
8th intersects (es steps)
800 Hatcher Mary L Mrs furn rms
VI6-6891
802 Gilliam Elsie W @ 947-5219
Diuguid Eliz int dec VI6-6692
803 Tunstall Court
Apartments:
1 Miller Giles H VI5-3189
White Macon D VI6-1505
2 Cantrell Beatrice VI6-4033
3 Witt Wm R VI5-5330
4 Maxry Estoria S Mrs 846-5559
Street continued
808-12 Withers Leonard W @ 847-8403
Withers Willie M Mrs furn rms
818 Vacant
820 First Meth Church VI7-8109
bsmt Craft Sch of the Blind
9th intersects
900-20 City Court House
Circuit Ct VI6-2781
Clerk of Cts VI6-2781
Corporation Ct VI6-2781
Law Library VI6-2781
901 Old City Court House
City Juvenile & Domestic Relations
Ct VI6-2781
2d fl State Probation & Parole Ofc Dist
No 13 VI7-2781
City Probation Ofcr VI6-2781
Street continued
903 Thaxton Geo R VI6-5381
Prettyman Roger L
905 Shelton Percy S VI5-2239
915 Carwile Mamie B Mrs VI6-1987
917 Hillcrest The
bsmt Harrison Julien VI6-7883
Ore Walker T
Walker Harry M 846-4123
Apartments:
1 Chapman Wilson E VI6-3112
21 Paris Ruby V Mrs VI5-9727
22 Taylor John R VI7-4994
23 Robertson Eliz nurse VI5-1389
24 Jones G Hugh VI7-5267
Ryan Ruth K nurse
31 Watts Imogen P VI5-4424
32 Robertson John D VI7-4655
33 Hudson Harry B pntr VI5-5271
34 Lefler Melvin E
41 Story Oden D Mrs VI5-3182
42 Rogers Mary A Mrs VI7-7327
43 Shepherd Kathleen H Mrs VI7-5313
44 Shelor Fred C VI6-6035
921 Woodrow The
Apartments:
1 Files Mayme M nurse VI6-1750
1a Cantieri Ouida VI6-5362
2 McDearmon Nettie McI Mrs 846-6778
2a Tucker Keturah Mc Mrs 846-7112
3 Kent Frances M VI6-7573
3a Brummett Carl L
4 Walker Harvey D 846-3620
5 Taylor Henrietta M Mrs VI6-0836
7 Magri Francis J VI7-4262
8 Campbell Dorothy E VI7-5877
9 Cash Nellie C Mrs VI5-5101
10 Brown Terry D VI5-3766
11 May Dora S Mrs
12 Kittelson Pauline P Mrs
10th intersects
1000 Apartments
1 Loftis H VI7-8910
2 Vacant
3 Massie Martha W artist VI5-2429
5 Austin Zenobia 847-7468
6 Purvis Abbie B VI7-5680
Street continued
1001 Benoy Arth W @ VI7-5156
1004 Golladay Mary M Mrs @ furnished
rms 845-1433
1007 McCraw Apartments
Apartments:
1 McCraw Ruth D Mrs @ VI7-4709
2 Foster Ellen M Mrs VI7-4869
3 Irvin Louise C Mrs VI6-7674
4 Tweedy Addie J Mrs 845-0555
1010 Apartments
1 Hill Margt H Mrs VI5-4788
1a Vacant
2 Litchford Anna C Mrs
3 Buckley Agnes E VI5-4614
4 Millner Dorothy M 846-8671
Street continued
1011 Vassar I Hugh jr @ VI5-4612
1017 Apartments
1 Price Douglas S Mrs VI6-5409
2 McFadden Judy VI6-3876
3 Woodall A Ruth Mrs VI6-7895
Black Sara nurse
4 Roark Stella J Mrs VI7-8702
5 Arthur Jas T
Bradford Carroll B VI6-4456
1021 Apartments
1 McNamee Edwin T VI6-0302
2 Canody Harry J
3 Vacant
4 Russell Sarah J Mrs VI6-8325
1022 Apartments
1 O'Connor Harold P 846-8824
2 Howerton Saml D
3 Corbin Barbara J Mrs VI5-7280
4 Vacant
5 Vacant

COURT—Contd
1022—Contd
6 Wingfield Flossie M Mrs 846-3521
11th intersects
1100 First Bapt Ch 846-1345
1101-03 City Schools Admn Building
—City Bd of Educ 845-6051
— City Sch Lunch Program VI5-7901
— City Schs Adm 845-6051
— City Supt of Sch VI5-7501
— City Supvr of Elem Sch VI7-6501
12th intersects
13th intersects
1300 Virginian Ford VI7-8841
(Not open)
Washington intersects

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506 Ozmer Bernard ΔVI7-4990
509 Wigginbotham Geo W ΔVI7-5442
510 Gillespie Estelle S Mrs ®
ΔVI5-6325
511 Dodd Fannie S Mrs ® ΔVI7-6909
512 Lynchburg Guidance Center
ΔVI5-2359
513 Proffitt Sadie R Mrs
Layne Simon P jr
514 Mahan John G ΔVI5-2540
515 Gallaher Jas R ΔVI5-7886
Martin Lottie Mrs ΔVI6-2591
517 Turner Marshia B Mrs
ΔVI7-5806
518 Nash Alta S Mrs drsmkr
ΔVI5-0870
Jordan Annie M Mrs
Keesee Evie M ΔVI5-9283
Ford Margt J Mrs ® ΔVI7-5146
519 Ragland Thos E ΔVI7-8200
522 Phipps David H
Maxey Maggie M Mrs ΔVI6-1558
Grant Mary W Mrs
Anderson Jos L ΔVI6-0790
523 Henderson Andrew T acct ®
ΔVI5-3768

6th intersects

600-18 City Reservoir
605 North British & Mercantile Ins
Co Ltd ΔVI5-1251
Commonwealth Ins Co of NY The
ΔVI5-1251
Central Surety & Ins Corp ΔVI5-
1251
Mercantile Ins Co of America
The ΔVI5-1251
Penna Fire Ins Co The ΔVI5-1251
611 StPaul's Parish Hse ΔVI5-7301
615 StPaul's Epis Ch ΔVI5-7301

7th intersects

700 Holy Cross Catholic Ch
ΔVI5-3378
701 Blankenship Jas H ® ΔVI7-6798
707 Bragassa Vincent ® ΔVI5-5679
710 Holy Cross Rectory ΔVI5-3378
Knott F Harold Rev
712 Duff Claude B ΔVI5-8906
Morris Wm H ΔVI7-5943
713 Sullivan Julia A ® ΔVI5-2473
713a Odor Myrtle C Mrs ΔVI5-1761
714 Wilson Aylett N ® ΔVI5-0383
Garbee Ida C ΔVI7-4875
715 Jones Maude S Mrs ΔVI5-2554
Smith Mary A ΔVI5-0417
716 Cyrus Geo C ΔVI7-4142
717 Smith Wallace W ® ΔVI6-5625
Drinkard Taylor S ΔVI6-8085
cor Holy Cross Council No 595
Knights of Columbus

8th intersects

801 Vacant
803 Harris Chas A ΔVI6-7488
805 Fontaine Wilfred L
807 Bryant Herman E ΔVI7-5678
808 McCarron Edwin M ΔVI7-4163
809 Edwards Frances V ®
810 Vacant
811 Elliott Anne L ® ΔVI5-7829
812 No Return
813 Crowe Maude D Mrs ΔVI5-3745

CLAY- Contd
814 McCarron Jos P Hon ®
Doulong Donald R ΔVI6-2429
818 Vacant
820 Johnson Funsten L ® ΔVI6-3063
823 City Jail ΔVI6-2781
City Sergt ΔVI6-2781
Ware Wm T ΔVI6-2210
Watts Chas M ΔVI6-7002

5

9th intersects

901 Holy Cross Academy ΔVI5-6671
904 Spurlock John A ® ΔVI2-4485
906 Vacant
909 Holy Cross Convent ΔVI5-6671
910 Morrison Mary A Mrs ®
ΔVI7-5923
913 Puckette Eliz Mrs ΔVI6-5302
915 Reid Hester C Mrs
Bragg Lawrence R ® ΔVI7-4164
916 Ramey Frank ®
919 McGinnis Wm G ΔVI5-7617
921 Crouch Eva W Mrs
922 Harris Wm H ®
Casey Annie W Mrs drsmkr
ΔVI7-8719
Crooks Mary S Mrs
923 Cooper Frank W ΔVI6-6882
924 Snow Odie E

10th intersects

1000 Roberson John D ΔVI7-4655
1001 No Return
1003 Walton Blanche ΔVI6-2325
1005 Coffey Leslie T ΔVI5-9303
1006 Martineau Oliver B ® ΔVI5-4651
1008 Smith Richd L
1009 Gonzalez Amena
Perez John T
Wood Edna Mrs ΔVI6-7010
1010 Vacant
1013 Williams Andrew J ΔVI5-6282
1014 Seay Maude C Mrs ® nurse
ΔVI5-2276
1015 Sands Emory W
1017 Lipscomb John G
1019 Litchford Eliz Mrs
1020 Vacant
1021 Lipscomb Eug B ΔVI5-5720
Phelps Margt P Mrs
1023 **Apartments**
1 Self Wm
2 Moon Rodger E
3 Mason Lucy

11th intersects

1101 Shields Paul B
1103 Simons Vernon O
1111 Kennedy's fl covering ΔVI5-1181
1114 Sprouse Adolphus L ΔVI7-5793
1117 Duti-Dus Inc uniform mfrs
ΔVI7-7666
Sweeney Wayland W real est
ΔVI6-3786
1120 Twelth Street Texaco Serv Sta

12th intersects

1208-10 Grosman Myer D roofer and
sht mtl wkr ΔVI7-7531
1216 Cawthorne Curtis W ΔVI5-5249
1220 Brightwell Camilla E ®
ΔVI7-4689
1223 Rush Stanley S

CORONADO LA-Contd
1035 Boswell Carroll M ΔVI6-5544
1036 Seay James L ® ΔVI5-1827
1039-43 Under Constn
1044 Laughon Martha F Mrs ®
ΔVI5-2686
1047 Thomas Richd T ® ΔVI5-6340
1048 Lund Robt H ® ΔVI5-2775
David Donald T ® ΔVI5-0585
1051 Kesler Clarence L ® ΔVI5-1356
1052 Luken Ray C ® ΔVI5-6206
1055 Catlett David L ®
1056 Dossett John S ® ΔVI6-2312
1059 McLane Frank H ® ΔVI6-4968
1060 Petratos Saml J ® ΔVI6-5159
1063 Under Constn
1064 Tucker James B ® ΔVI7-6208

24

COSBY-From 707 K north, 2 west of Rivermont av

Byrd begins

1101 Gillispie Fred D ® ΔVI6-1489
1103 Ferguson Claude M ®
ΔVI5-7878
1105 Flint Jas C ® ΔVI5-7425
1107 White Edw H ® ΔVI5-3130
White Edw H jr bldg contr
ΔVI5-3130
1110 Staton Mildred F Mrs ® ΔVI6-0669
1116 McConville Aubrey E ®
ΔVI5-7295
1120 Rinsland Geo H ® barber
ΔVI5-8639
Giles Annie R Mrs beauty shop
ΔVI5-0486
1124 Wooding Louise C Mrs ®
ΔVI6-7193
1126 Vacant

Graham begins

1128 Newman Wm P ® ΔVI5-0652
1129 Kunz Christene S Mrs ®
ΔVI5-0478

Cabell intersects

6

COURT-From Lucado pl southeast, 1 west of Church

409 Overstreet H T-Trading as Lybg
Battery Serv ΔVI7-7745
410 Lynchburg Hosiery Mills Inc
(plant No 2) ΔVI7-6481
413 Vacant
420 Hudgins Funeral Home
ΔVI6-2741
Hudgins J Calvin ® ΔVI6-2741

5th intersects

501-05 Burnett Tire Co (side)
509-11 Lynchburg Battery & Ignition
Co (stge)
515 **Apartments**
1 Wilkerson Floyd L ® ΔVI6-6473
2 Coleman David G
3 Wade Ernest E ΔVI6-6675
4 Fitch T F
517 Court St Bapt Ch

6th intersects

600 **Apartments**
1 Fielder Frank L
2 Phelps Virginia
3 Wood Russell J ΔVI5-2630
4 Nexsen John A ΔVI6-2167

Street continued

604 Staples Robt M ΔVI5-3105
608 Miller Robt E ® ΔVI6-0518
610 **Apartments**
1 Cralle Mattie E Mrs ΔVI5-8968
2 Beard Robt L ΔVI5-1110
3 Winn Donald V
4 Cyrus Kenneth E ΔVI6-8747

Street continued

612 Lea Sallie E ΔVI5-5555
614 Moore J Leslie
616 Spradlin Jas W ® ΔVI5-6593
Courtland Bldg ΔVI6-2570
Spradlin Mabel C Mrs real est
618 Wall Alice B ® ΔVI5-0709
620 **Courtland Bldg ΔVI6-2570**
Johnson Randolph jan serv
ΔVI6-2570

Rooms:
201-02 Vacant
203 Virginia Foundation for Independ-
ent Colleges ΔVI5-2122
205 Pugh Wm T phys ΔVI6-3454
Haynsworth Josiah E phys
ΔVI6-3454
Owen Earl T phys ΔVI6-3454
deNiord Richd N phys ΔVI6-3454
301-03 Craddock Geo B phys
ΔVI6-0422
Crowder R Vincent jr phys
ΔVI6-0422
304 Leach, Calkins & Scott accts
ΔVI6-2755
306 Old Dominion Life Ins Co
ΔVI5-0821
4th fl Wiley & Wilson consulting engs
ΔVI6-1393
5th-6th fls Lynchburg Fdry Co The
(ofcs) ΔVI7-4411

Street continued

cor Court St Meth Ch ΔVI6-7661

7th intersects

700 Arlington Mtr Hotel The
ΔVI5-4567
Arlington Hotel Coffee Shop
restr ΔVI5-9481
Hunt Otey P ΔVI5-9242
707 **Apartments**
1 Meschendorf Mary E ®
ΔVI5-8749
2 Stoke Irvin F
3 Harris Wm T ΔVI5-8931
4 Cunningham Sadie H

Street continued

708 Matthews Clara W Mrs ®
ΔVI5-4615
710 Bolling Letha M Mrs
712 Pauly Victor ® ΔVI5-9361
714 White Flora M Mrs ® furn rms
ΔVI7-4140
715 Forsberg Annie L ® ΔVI5-3896
Myers Myron L ΔVI7-5838
Hall Chas E ΔVI5-7628
716 Taylor Saml R
717 Ivey Mary W ® ΔVI6-7471
718 McAlexander Lillie E Mrs
ΔVI5-2874

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COURT-Contd
720 **Apartments**
1 Johnson Evie R Mrs
2 Padgett Frank W ΔVI5-1569
3 Floyd Earl P
4 Krauss Mable D Mrs
Street continued
720½ Young Dennis O
721-23 Holy Cross Hi Sch ΔVI7-5436
Univ of Va Extension Division ΔVI7-6697
8th intersects
(es steps)
800 Hatcher Larney W ΔVI6-6891
802 Gilliam Elsie W ® ΔVI7-5219
Diuguid Eliz int dec ΔVI6-6692
803 **Tunstall Court**
Apartments:
1 Miller Giles H ΔVI5-3189
White Macon D ΔVI6-1505
2 Clingempeel Harry M ΔVI5-6687
3 Irvan Mearl W ΔVI6-3788
4 Maxey Estoria S Mrs ΔVI6-5559
Street continued
808-12 Withers Leonard W ® ΔVI7-8403
Withers Willie M Mrs furn rms
818 No Return
cor First Meth Ch ΔVI7-8109
bsmt Craft Sch of the Blind
5
9th intersects
900-20 **City Court House**
Circuit Court ΔVI6-2781
Clerk of Courts ΔVI6-2781
Corporation Court ΔVI6-2781
Law Library ΔVI6-2781
901 **Old City Court House**
City Juvenile & Domestic Relations Court ΔVI6-2781
2d fl State Probation & Parole Ofc Dist No 13 ΔVI7-5691
City Probation Ofcr ΔVI6-2781
Street continued
903 Gonzalez Mike ΔVI6-5710
903½ Cannon John
905 Shelton Percy S ΔVI5-2239
915 Carwile Mamie Mrs ΔVI6-1987
917 **Hillcrest The**
Apartments:
1 Chapman Wilson E ΔVI6-3112
F Arthur Jas T
G Frazier Bessie C
H Vacant
K Vacant
L Vacant
21 Vacant
22 Vacant
23 Robertson Lena M Mrs ΔVI5-1389
Robertson Eliz nurse
24 Jones G Hugh ΔVI7-5267
Ryan Ruth K nurse
31 Ritner Ida W Mrs ΔVI5-4424
32 Patterson John R ΔVI5-2229
33 Hudson Harry B pntr ΔVI5-5271
34 Webber Jas A ΔVI6-2040
41 Story Oden D Mrs
42 Rogers Mary A Mrs ΔVI7-7327
43 Martin Nancy M Mrs
44 Shelor Fred C ΔVI6-6035

921 **Woodrow The**
Apartments:
1 Files Mayme M ΔVI6-1750
1a Cantieri Ouida ΔVI6-5362
2 McDearmon Nettie M Mrs
2a Tucker Keturah J Mrs ΔVI6-7112
3 Taylor John R ΔVI7-4994
3a Brummett Carl L
4 McCraw R K
5 Morrison Herbert L ΔVI7-7317
7 Flake Sandra
8 Vacant
9 Cash John G ΔVI5-5101
10 Brown Terry D
11 Ballagh Jas R
12 Kent Frances ΔVI6-7573
10th intersects
1000 **Cook Apartments**
Apartments:
1 Loftis Loundes H ΔVI7-8910
2 Cook Jeanne A Mrs ® ΔVI5-7149
3 Massie Martha W artist ΔVI5-2429
5 Rockmart Martha Mrs
6 Purvis Abbie B Mrs ΔVI7-5680

Street continued
1001 Benoy Arth W ® ΔVI7-5156
1004 Golladay Mary M Mrs ® ΔVI5-5348
1007 **McCraw Apartments**
Apartments:
1 McCraw Ruth D Mrs ® ΔVI7-4709
2 Foster Ellen M Mrs ΔVI7-4869
3 Irwin Louise Mrs
4 Magri Madeleen F Mrs ΔVI7-8509

Street continued
1010 Evans Herbert F ΔVI7-6731
rear Vacant
Johnson Melvin jr ΔVI6-3765
1011 Vassar I Hugh jr ® ΔVI5-4612
1017 **Apartments**
1 Vacant
2 Bradford Carroll B ΔVI6-4456
3 Layne Charlie W ΔVI5-8614
4 Vacant

Street continued
1020 Woman's Club of Lybg ΔVI5-3821
1021 **Apartments**
1 McNamee Edw T ΔVI6-0302
2 Roethlein Katie P Mrs ΔVI6-3451
3 Vacant
4 Vacant

1022 **Apartments**
1 Paris Thos A ΔVI5-7927
2 Howerton Saml D
3 Maniates Ena R Mrs ΔVI7-6580
4 Wingfield Flossie M
5 Drinkard Howlett F jr
6 Vacant
11th intersects

COURT-Contd
1101-03 Wyatt John W Sch ΔVI7-7931
City Bd of Educ
City Sch Med Clinic
City Sch Dental Clinic
City Sch Lunch Program ΔVI5-7901
City Schs Admn ΔVI5-7501
City Supt of Schs ΔVI5-7501
City Supvr of Elementary Schs ΔVI7-6501
12 th intersects
1219 Virginian Mtrs Co Inc autos ΔVI7-8841
13th intersects
(Not open bet 13th and 1313)
Washington intersects

CLAY—Contd

406 Adams Walter T
408 Mays Jas A
412 Blanks Henry E 7-2911
414 Weekley Eustace C @ 2-8748

5th intersects

500 Morris Lillie B Mrs
502 Cooper Audrey T Mrs 2-3693
503 Mahan Mary G Mrs @ 3-2505
504 Gibson John S 2-0672
505 Shearer Daisy B Mrs 2-4479
Clark John C jr 8-2931
506 Travis Wade H 2-8177
509 Clingempeel Harry M 8-2980
510 Lacy Nannie T Mrs @ 2-6325
511 Dodd Fannie S Mrs @ 6-2909
512 Vacant
513 Pollard Elmer S @ 6-2740
514 Mahan John G 2-2540
515 Hodges Virginia B Mrs
Citty Levy T
517 Wilkerson Lucy S Mrs 2-8419
518 Nash Alta S Mrs
Jordan Annie M Mrs 5-2146
Keesee Evie M 2-9283
519 Robertson Emma D Mrs @ 3-0453
522 Phipps David H
Maxey Maggie M Mrs 3-1558
Grant Mary W Mrs 7-2554
Martin Alf
523 Vacant
rear Parker Ellis

6th intersects

601-19 City Reservoir
605 Ingram T J Genl Agt ins 2-1251
611 StPaul's Parish House 2-7301
615 StPaul's Episcopal Ch 2-7301

7th intersects

700 Holy Cross Cath Ch 2-3378
701 Blankenship Jas H @ 6-2798
707 Adams Florence B @ 2-6624
710 Holy Cross Rectory 2-3378
712 Duff Claude B 2-8906
Williams Gilbert H 2-7870
713 Sullivan Julia A @ 2-2473
713a Odor Myrtie C Mrs 2-1761
Coleman Walter M carp
714 Wilson Aylett N @ 2-0383
Garbee Ida C 4-2875
715 Jones Maude S Mrs 2-2554
715b Smith Mary A 2-0417
716 Cyrus Geo C 4-2142
717 Smith Wallace W @ 2-0897
cor Central Presby Ch

8th intersects

801 Fitzgerald Bertha T Mrs
803 Padgett Frank W 2-1569
805 Fontaine Wilfred L
807 Bryant Herman E 5-2678
808 Goodman Ruby Mrs @ 2-9177
809 Adams Emma O @ 2-2168
810 Pietrobono Jas C 2-1647
811 Elliott Anne L @ 2-7829
812 Gowens Geo
813 Crowe Maude D Mrs 2-3745
814 McCarron Jos P Hon @
818 Reynolds Lillie D Mrs @
820 Robey Lawrence 7-2492
823 City Jail 2-1681
City Sergt 2-1681
Ware Wm T 3-2210
Watts Chas M 2-1681

5

9th intersects

901 Holy Cross Academy 2-6671
904 Vacant
906 Gilliam Guthrie E @ 2-6550
909 Holy Cross Convent
Sisters of Charity
910 Morrison Mary K Mrs @ 5-2923
913 Puckette Robt L
915 Reid Jesse J
Bragg Lawrence R @ 4-2164
916 Thompson Lucille R Mrs @
919 Moss Thos I 5-2231
921 Chewning Jesse C 6-2723
922 Harris Wm H @ 4-2387
Casey Annie W Mrs drsmkr 8-2719
923 Faust Martin M
Cooper Frank W 2-5637
924 Wiles Dorothy L Mrs

10th intersects

1000 Houston Carrie L Mrs @ 2-8629
1001 Revell Frances K Mrs @ 4-2292
1003 Martin John R 3-2325
1005 Hill Margt H Mrs 2-4788
1006 Martineau Oliver B @ 2-4651
1008 Vacant
1009 Giles Frank D @ 2-5512
1010 Thompson Hubert 3-0303
1013 Parker Wm H
1014 Seay Maude C Mrs @ 2-2276
1015 Vacant
1017 McMaster Herman E 2-4341
1019 Lane Clifton L
1020 Snead W Benj @ 2-1633
1021 Payne F Eug
1023 **Apartments**
1 Campbell Geo A
2 Smith Richd L
3 Wright Gladys E

11th intersects

1100 Blankenship Jas M
1101 Martin Herman @
1102 Williams Andrew J 2-6282
1103 Worley Saml T 3-0850
Worley's Uphol Shop
1108 Sprouse Adolphus L 2-3191
1110 Portnoy Geo D @ 2-1636
1111 Kennedy's fls 2-1181
1114 Lipscomb Arth L 2-6695
1117 Duti-Duds Inc uniform mfrs 7-2666
cor McCraw & McFaden Serv Sta 2-8781

12th intersects

1208-10 Vacant
(Steps between 1210 and 1216)
1216 Nicholas H Benj @ roofer 2-5249
1220 Brightwell Camilla E @ 4-2689
1223 McNamara Wm F 2-7749
1225 Sneed Grace S Mrs @ 2-5869
Sneed Eleanor L nurse

13th intersects

1300 Stephens Lucy B @ 2-4847
1301 Kinckle Jas G @ 3-0228
1304 Addison Julien H @ 2-1519
Stephens Ralph H artist
1307 Nabors Jack B
1308 Chappell John A @ 2-6313
1309 Collins Buddy L
rear Vacant
1312 Chappell John A jr 3-2685
Parker Helen S 3-2487

CORK—Contd

Early intersects

411 Patterson Hubert C @ 2-6555
412 Anderson Jesse R @ 3-1828
413 Cash Mary H Mrs
413½ Taylor Beatrice N Mrs
414 Sadler Irene F Mrs @ 7-2357
415 Fowler Olvia Mrs

Bedford av intersects

24

COSBY—From 707 K north, 2 west of Rivermont av

Byrd begins

1101 Gillispie Fred D @ 3-1489
1103 Ferguson Claude M @ 2-7878
1107 White Edw H @ bldg contr 2-3130
1116 McConville Aubrey E @
1120 Rinsland Geo H @ 2-8639
Giles Robt H 2-0486
1124 Wooding Thos P @ 2-6756

Graham begins

1128 Newman Wm P @ 2-0652
1129 Kunz Christene S Mrs @ 2-0478

Cabell intersects

6

COURT—From 4th southeast to Washington intersecting 400 5th

409 Lynchburg Battery Serv 7-2745
State Police Official Insp Sta No 64
410 Lynchburg Hosiery Mills Inc plant No 2 6-2481
411 Vacant
420 Hudgins Funeral Home 3-2741
Hudgins J Calvin @ 3-2742

5th intersects

501-05 Burnett Tire Co (side)
507 Vigneau Jos G
509 Staples Robt M 2-3105
511 Vacant
515 Wilkerson Floyd L @ 2-7800
Fitch Thos F
Wilkerson Eug W 2-3607
517 Court St Bapt Ch

6th intersects

600 **Apartments**
1 Kirby Mamie B Mrs 2-4325
2 Vacant
3 Schley Marshall M 2-2281
4 Nexsen John A 3-2167

Street continued

601 Vacant
604 Vacant
607 **Woodland The**
Apartments:
1 Shelton Percy S 2-2239
2 Childress Mamie H Mrs
3 Vacant
4 Vacant

Street continued

608 Hallim Eliz V Mrs 3-0518
610 **Apartments**
1 Chapman Wilson E 3-3113
2 Beard Robt L
3 Perez Caredad
4 Williamson Rosa O Mrs

Street continued

612 Baker Irma 3-2847
614 Maucher Agnes D Mrs @ 2-1777
616 Spradlin Jas W @ 2-6593
Spradlin Mabel C Mrs real est
618 Wall Alice B @ 2-0709
620 **Courtland Building**
Rooms:
202 Stone Jas W phys 2-3301
205 Pugh Wm T phys 3-3454
Haynesworth Josiah E phys 3-3454
Owen Earl T phys 3-3454
301-03 Craddock Geo B phys 3-0422
Brickhouse Robt L phys 3-0422
304 Leach Calkins & Scott accts 3-2755
306 Old Dom Life Ins Co 2-0821
307 Va Credit Union League Inc 2-1574
4th fl Wiley & Wilson consulting engs 3-1393
5th and 6th fls Lynchburg Fdry Inc offices 4-2411

Street continued

cor Court St Meth Ch 7-2601

7th intersects

700 **Arlington Hotel The 2-4567**
Bauch C Wm
Arlington Hotel Coffee Shop
701 Parking Lot
707 **Apartments**
1 Meschendorf Mary Eliz @ 2-8749
2 Mehaffey Mabel C 2-6373
3 Rogers Mary A Mrs 7-2327
4 Bolton J Aex 8-2707

Street continued

708 Matthews Clara W Mrs @ 2-4615
710 Musgrove John W 4-2127
712 Pauly Victor @ 2-9363
714 White Flora M Mrs @ furn rms 4-2140
715 Forsberg Annie L @ 2-3896
Myers Myron L 5-2838
Hall Chas Ellis 2-7228
716 Lea Sallie 2-5555
717 Ivey Mary W @ 2-8149
718 Meadows Lottie L Mrs
McAlexander A Virginia 2-2874
720 **Apartments**
1 Vacant
2 Harris Preston I
3 Floyd Earl P 2-9321
4 Williams Emma D Mrs 4-2990

Street continued

720½ Young Dennis O
721 Williams Alpha L 2-5671
Phillips Frances A 3-1910
723 Williams E Crawley @ 2-0285

8th intersects (es steps)

800 Doss Addie L Mrs 2-5875
802 Gilliam Elsie W @ 5-2219
Duiguid Eliz int dec 4-2189
rear David Amelia W Mrs
803 **Tunstall Court**
Apartments:
1 Miller Giles H 2-3189
White Macon D 3-1505
2 Barger Daisy L Mrs 2-2177
3 Howell Wm L 2-6468
4 Hudson Blanche H Mrs 8-2581

Street continued

806 Hughes Robt G @ 2-5736
808-10 Withers Leonard W 8-2403
Withers Willie M Mrs furn rms
812 Withers Willie M Mrs furn rms
Berry Ida S Mrs @
818 McIntosh Harold V 4-2761
820 Franklin Alex 8-2786
cor First Meth Ch

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1955 **COURT ST-B**

SOURCE: HILLS

COURT—Contd
First Methodist Church—Contd
bsmt Craft Sch of the Blind

5

9th intersects

901 City Court House
Circuit Court 2-1433
Clerk of Courts 5-2741
Corporation Court 2-4481
903 Franklin Otto L jr 2-6276
Hicks Carlton L 2-2577
904 Vacant
905 Vacant
909 Vacant
910 City Court House (under constn)
915 Ford Belle J Mrs @ 2-4219
917 Hillcrest The
Apartments:
1 Vacant
(F) Vacant
(G) Peper Izie
(H) Clark Howell W
(K) Bradford Carroll B
(L) Daniel Otha L 2-6193
21 Ellett Robt I jr 2-6153
22 O'Reilly Cleophas D Mrs 2-6677
23 Robertson Lena M Mrs 2-1389
Robertson Eliz nurse
24 Jones G Hugh
Ryan Ruth K nurse
31 Ritner John H 2-4424
32 Patterson John R 2-2229
33 Hudson Harry B pntr 2-5271
34 Woodson Paul D 2-6553
41 Jester Royston jr 2-5549
42 Kirby Louellen N Mrs 2-5460
43 Martin Nancy M Mrs 2-5729
44 Steiner Geo H 2-8175
Steiner Eliz B Mrs nurse

Street continued
921 Woodrow The
Apartments:
1 Files Maynie 3-1750
2 McDearmon Nettie Mrs
2A Tucker Keturah J Mrs 3-2972
3 Taylor John R 2-4652
3A Brummett Carl L
4 Lee Parker H 3-3000
5 Morrison Herbert L 7-2317
7 Cave Lena C Mrs 2-6493
8 LaPorte Eunice M 2-9481
9 Cash John G 2-5101
10 House Cecelia
11 Brandt Maggie nurse 2-8946
12 Kent Frances M 2-7932

10th intersects

1000 Cook Apartments
Apartments:
1 Loftis Lawrence H 8-2910
2 Cook Jeanne A Mrs @ 2-7149
3 Massie Martha M 2-2429
4 Vacant
5 Massey Lucy M 2-3331
6 Purvis Abbie

Street continued
1001 Benoy Arth W @ 5-2156
1004 Golladay Mary M Mrs @ 2-5348
1007 McCraw Apartments
Apartments:
1 McCraw Ruth D Mrs @ 4-2709
2 Foster Ellen M Mrs 4-2869
3 Newcomb Mary O Mrs 8-2137
4 Magri Madaleen Mrs 8-2509

1007—Contd
Street continued
rear Jones Mary E
1010 Kent Walter J @ 3-1730
Brown Louise C Mrs 2-3616
1011 Vassar I Hugh jr @ 2-4612
1017 Apartments
1 Jackson Glenn W 3-3045
2 Robinson Florence H
4 Holt Geo P 3-1777

Street continued
1020 Woman's Club of Lynchburg 2-3821
Beasley Mazie N 2-7859
1021 Apartments
1 Roethlin Katie P Mrs
2 Cunningham Mayme 2-4823
3 McNamee Edwin T
4 Harris Annie J Mrs 8-2138

Street continued
1022 Butler John W 5-2118

11th intersects

1101-03 Wyatt John W Sch 2-7501
City Board of Educ 2-7501
City Sch Dental Clinic 2-7501
City Schs Admn 2-7501
City Sch Bd
City Supt of Schs 2-7501
City Supvr of Elementary Schs 2-7501

12th intersects

1217 Virginian Mtrs Inc fill sta 2-9624
1218 Virginian Parking & Esso Servicenter 2-9624
1219 Virginian Mtrs Inc autos 8-2841
cor Sentry Inc holding co 8 2841

13th intersects
(Not open between 13th and 1313)
Washington intersects

13

CRADDOCK—South 1 block to 1807
Park av
900 Gilliam Vernon F @ 2-7224
901 Potter Francis L @ 5-2649
902 Brooks Clarence F 7-2276
903 Harvey Henry C @ 2-0770

30

CRAIG (South Fairview Heights)—From 3218 Maryland west
224 Morris J Howard @ 2-0210
226 Foster Warren M @ 7-2862
228 Howard Jas L @
230 Hicks Lillian C Mrs @ 2-6416
Kerr Lucille M Mrs @
231 Shreaves Lewis L
232 Walker Clarence M @
234 Bobbitt David A @
235 Kerr Claude H 2-3512
235½ Vacant
236 Farrar Gus D @ 3-0712
238 Goodman Cornelius S @
243 Bobbitt Rawleigh W @ 8-2323
243½ Foster Thurman R
244 Doss Robt J @ 3-3144
246 Dawson Leonard H @
248 Law Acry A @ pntr 2-6669

Hutton ends

249 Vacant
251 Cyrus Chas E @ 7-2897
253 Brooks Wm S
255 Carrico Rosa B Mrs @

1950 **CLAY ST-A**

SOURCE: HILLS

509ΔClingenpeel Harry M ◎
510ΔLacy Nannie T Mrs ◎
511ΔDodd Fannie S Mrs ◎
512ΔMahan Mary G Mrs ◎
513ΔPollard Walter R
514ΔMahan John G
515ΔMiller Olin K
517ΔWilkerson Turner L
518ΔFord Margt J Mrs ◎
519ΔDowling Fred J
ΔDrinkard Taylor S
522ΔAllen Carl W
523ΔHenderson Andrew T
◎ bkpg serv

—6th intersects

605ΔMyers A L Pest Control Serv
ΔMyers Allen L ◎
611ΔStPaul's Parish House
corΔStPaul's Episcopal Church

—7th intersects

700ΔHoly Cross Cath Ch
701ΔBlankenship J Harry ◎
707ΔAdams M Florence Mrs ◎
710ΔHoly Cross Rectory
ΔMeredith Wm J Rev
Bambrick Francis V Rev
ΔHammond Henry E Rev
ΔHofmann Helen R
712ΔRichardson Paul
713ΔSullivan Julia ◎
713ΔFazzi Umbert L
714ΔWilson Aylett N ◎
715ΔWhite Kath T Mrs
715bΔGodwin Richd E
716ΔPaulette Jas K
717ΔSmith Wallace W ◎
718ΔWorley S Wm
720ΔTurner Edw R

CLAY—Contd
722ΔFrazier Raymond L
cor Central Presby Ch (c)
—8th intersects
801ΔGrubbs Roy H ⓞ
803ΔPadgett Frank W
805ΔSmith Geo W
807ΔBryant Herman E
808ΔSmith Jas R ⓞ
809ΔAdams Emma ⓞ
809 Edwards Frances (c)
811ΔDoyle Mary S Mrs ⓞ
812ΔBigbie Wm T ⓞ
Merryman Mary L nurse
813ΔSullivan Glenn M
814ΔMcCarron Jos P Hon ⓞ
ΔMcCarron Wm J ⓞ
818ΔDawson Grace ⓞ
820ΔChildress Ella K Mrs ⓞ
820ΔSeay Chas
823ΔLybg City Jail
ΔLybg City Sergt
Ferguson Sue Mrs
Ware Wm T

5

—9th intersects
901 Holy Cross Academy
904 Stinnette Frank E jr
906 Gillam Guthrie E
909ΔHoly Cross Convent
Sisters of Charity
910ΔMorrison Mary K Mrs
913 Puckett Robt L
ΔCarwile Albert H
915ΔReid Jesse J
ΔBragg Lawrence R ⓞ
916ΔThompson Lucille S Mrs
919ΔMoss Thos I
921ΔReagan Nellie ⓞ
922ΔHarris Wm H ⓞ
ΔHatcher Edw H
923ΔCooper Frank W
924ΔHines Rison D ⓒ
—10th intersects
1000ΔHouston Isaiah H
1001 Rogers Robt N
1003ΔRhodes Bernard L
1005ΔHill Cyrus B
1006ΔMartineau Oliver B ⓞ
1008 Sweeney Peter V jr
1009ΔGiles Frank D ⓞ
1010ΔThompson Hubert ⓞ
1013ΔWade Doshia P Mrs
1014ΔSeay Virginia M Mrs
1017 Peters Luther T
1019 Allen Lou J Mrs
1020ΔHoward Henry L ⓞ
1021ΔSterne Kenneth E ⓞ
1023ΔGilbert Carrie T Mrs
—11th intersects
1100ΔJackson James E
1101ΔLane Mary L Mrs
1102ΔJohnson Richd
1103ΔAdler Abr ⓞ
1105 Vacant
1108 Viar Thos H
1109 Hammersley Auto Glass
Shop
1110ΔPortnoy Geo D ⓞ
1111ΔHammersley Nash Co
autos
1114ΔSomers David M Rev ⓞ
1117ΔDuti-Duds Inc uniform
mfrs
ne corΔMcCraw & McFaden
Texaco Serv
—12th intersects
1208-10ΔLybg Steam Bakery
Inc whol
ΔBetter Products Mach-
inery Co Inc (sls ofc)
(Steps between 1210 and 1216)
1216ΔNicholas H Benj ⓞ
roof contr
1220ΔBrightwell Camilla E ⓞ
Brightwell Mary B nurse
1223ΔMcNamara Wm F
1224ΔSneed Grace S Mrs ⓞ
ΔSneed Eleanor nurse
—13th intersects
1300ΔStephens Lucy B ⓒ
1301ΔKinckle Jas G ⓞ
1304ΔAddison Julien H ⓞ
stock broker
1307ΔViar Wm A ⓞ
1308ΔStokes Lillie L Mrs ⓞ
1309ΔMartin Nellie ⓞ
Macenheimer Willie drs-
mkr
rear Shepperson Emma (c)
1312 Chappell John A ⓞ
1313ΔBrown R Julian ⓞ
1314ΔKelley John G ⓞ
—Wash intersects
1417 Lee Chas J J
1419 Fulks T Massie
1421ΔSchaeffer Elsie ⓞ
1425 Pritchett Russell C ⓞ
—Pearl intersects

27

CLAYTON—From 4300 Boons-
boro road southwest to
Burns
1500ΔConrad J Gilliam ⓞ
1504ΔTurner Lawson W jr
ⓞ
1505ΔBasham Albert A ⓞ
1508ΔElliott Harvey D ⓞ
1509ΔWarthen Clarence W ⓞ
1511ΔSmith Mamie M Mrs ⓞ
1513ΔStiff Geo W ⓞ
1516ΔSteptoe Hampden E ⓞ
1517ΔRector Clarence W ⓞ
1519ΔSublett Chas H ⓞ
1520ΔRoberson C Gray ⓞ
1522ΔDuncum R Frank ⓞ
—Austin ends
1600ΔCostas Geo G ⓞ
1601ΔLeGrand Luther B ⓞ
1605ΔRiley Otho D ⓞ
1615ΔPatterson Wm S
1616ΔKulman David W ⓞ
1621ΔHarrison Clark B ⓞ
1624ΔGentry Harvey W ⓒ
1627ΔSlusher Wm M ⓞ
1632ΔFranklin John R ⓞ
1640 Smith Arth M ⓞ
—Longfellow ends
1709ΔFisher E Withers ⓒ
1717ΔHargrave Lester B ⓞ
—Spottswood av ends
1817ΔFeese Robt C ⓞ
—Summitt ends
1819ΔBryant W Marvin jr
—Burns intersects (not open)

26

CLEVELAND AV — From
2463 Rivermont av south-
east to SouRy
—Elmwood av begins
209ΔLovell Chas P jr
ΔVail Chas L ⓞ
210ΔTerry Norman T ⓞ
215 Apartments
1ΔKeirn Carl O
2ΔMonroe Clarence J
3ΔValiant Joseph W
4ΔLackey Kath
Street continued
224ΔWalker W Blakey ⓞ
225ΔWilliams Kate F Mrs ⓞ
226ΔMayberry Allen H ⓞ
227ΔPryor Norman C ⓞ
228ΔHarvey Mary B Mrs ⓞ
228½ΔGilmer Geo H
230ΔThompson Saml T ⓞ
231ΔFord Jas L ⓞ
232ΔDavis Ralph W
ΔSomers Aaron
233ΔBullock Wm A ⓞ
234ΔNichols J Harvey ⓞ
235ΔCardwell Lora S Mrs ⓞ

1128ΔNewman Wm P ⓞ
1129ΔKunz Christine S Mrs
ⓞ nurse
1129 McCool Florence nurse
—Cabell intersects

6

COURT — From 4th south-
east to Washington, inter-
secting 400 5th
409ΔLybg Battery Service
410ΔLybg Hosiery Mills Inc
No 2
411ΔAbrams Walter G (c) ⓞ
—5th intersects
500ΔHudson Mae C drsmkr
502 Staples James E
507ΔClark John W
509 Staples R Mack
511 Vigneau Joseph G
512ΔWhite Ella E Mrs
514 Turner Terry C
515ΔWilkerson Floyd L ⓞ
516ΔHarper John
cor Court St Baptist Church
(c)
—6th intersects
600 Apartments
1 Lee Richd E
2 Mahone Frank M
3ΔSumpter Virginia W
4 Nixsen John A
Street continued
601ΔDillard Mary E Mrs ⓞ
604ΔAustin Dolores Mrs
607 Woodland The
Apartments:
1ΔJohnson Eliz P Mrs
2ΔSandidge E Gladys
3ΔGibbs Paul L
4ΔBurford Wm E
Street continued
608ΔHandy Edw S ⓒ
610 Apartments
1ΔSears John J
2 McCarron Owen P
3 Howard M Kath
4 Williamson John E
5 Martin Janet I
Street continued
612ΔRobert Nelson J ⓞ
614ΔMaucher Agnes D Mrs ⓞ
616ΔSpradlin Jas W ⓞ
ΔSpradlin James W jr
618ΔWall Alice B ⓞ
620 Courtland The
Apartments:
1-2ΔWilkins Gilbert H
3ΔSykes Benj L
4ΔMunday Robt P
5-6ΔBaxter Lewis
7ΔDaniel Otha L
8 Ore Walter I
9 Braden Ray
10ΔBeasley Mazie N Mrs
11ΔAdams Mary Mc Mrs
12ΔPriddy Mamie H Mrs
14ΔMoon J Norvil
15 Lipton Eug
16 Sandifer Elbert J
17 Felis Geo
18 Bradley Thos
19 Stone Ernest L
20ΔPettit Howard D
21ΔWitt Maude E nurse
22ΔBurnett Mary R Mrs
30 Padgett Elmer J
31ΔO'Brien Edw H
32ΔJordan W Harrison
40ΔClark Harold C
41ΔJohnson Nancy K Mrs
42ΔWalker Lelia Mc V Mrs
Street continued
corΔCourt St Methodist
Church
—7th intersects

COURT—Contd
700ΔArlington Hotel The
ΔArlington Hotel Coffee
Shop
710ΔKennedy Agnes R Mrs
ⓞ
707ΔMeschendorf Eliz ⓞ
708ΔMatthews Clara W Mrs
ⓞ
Mantiply Claudia R
nurse
710ΔKeeler Robt N ⓞ
712ΔHighlander Georgia B
Mrs
714ΔWhite Flora Mrs ⓞ
715ΔMyers Myron
716ΔConner Ella M Mrs
717ΔIvey Mary W ⓞ
718ΔTaylor Georgia L Mrs
ΔMcAlexander Lillie E
Mrs
720 Berryman Thos C
ΔMarcus Richd F
ΔStephens Howard T jr
721ΔBlankinship Hilary H
723ΔWilliams E Crawley ⓞ
—8th intersects (es steps)
800ΔBarksdale Mary M Mrs
802ΔGilliam Elsie W ⓞ
803 Tunstall Court
Apartments:
1ΔMiller Giles H
ΔWhite Macon D
2ΔNesbit Harrison S
3ΔBost Thos M jr
4ΔHowell Wm L
Street continued
806ΔRapp Saml C ⓞ
808ΔDoss Addie L Mrs
810ΔBarger Daisy L
812ΔBerry Ida S Mrs ⓞ
818ΔColeman Edw F
ΔDuff Clarence C
820ΔDrysdale Margt Mrs ⓞ
corΔFirst Presbyterian
Church

5

—9th intersects
900ΔLemmon Mary B Mrs ⓞ
901 City Court House
ΔCircuit Court
ΔCorporation Court
Medical Inspr
902 Locy Arth D
Blankenship Richd A
ΔWrench Henry B
903ΔDenning Emmett M
904ΔSmith Wm F ⓞ
905ΔMoore Chloe C Mrs
906ΔRagland Thos E
Brumfield Herbert B
908ΔMaxwell John W piano
tuner
909ΔHouser Dick L ⓞ
Carriveaux Marie Mrs
nurse
912ΔRitner J Howard ⓞ
915ΔFord Wm A ⓞ
917 Hillcrest The
Apartments:
1ΔWeigand Sebastian R
(F)ΔHutcherson James T
(G) Mays Arnold P
(H) Clark Howell W
(K)ΔConnerat Edwin B
(L) Stone Jas W
21ΔEllett Robt I jr
22ΔO'Reilly Cleophas D Mrs
23ΔRobertson Harold L
24ΔJones G Hugh
Ryan Ruth K nurse
31ΔNoell Richd A
32ΔPatterson John R
33ΔHardy Wm B
34ΔBailey Henry P
41ΔCantieri Ouida
42ΔPowell F Rogers

43ΔRogers Mary A Mrs
44ΔMullan R Henry jr
Street continued
921 Woodrow The
Apartments:
1ΔGoodwin Edw
1AΔWallace Thurman P
2ΔGreen Elijah P
2AΔBowles Evelyn S
3ΔTaylor John R
3AΔTucker Keturah J Mrs
4ΔBurnham Terrell Mrs
5ΔMorrison Herbert L
7ΔDinwiddie James W
8ΔValentine Frank B
9ΔPadgett Wm E
10 No return
11ΔViar Robt C
12ΔKent Frances M
Street continued
922ΔCrowe Maude D Mrs
924ΔWilkinson Chas B ◎
—10th intersects
1000 Apartments
1 Wallace Mary
2ΔCook Jean A Mrs ◎
3 Vacant
4ΔGillispie Robt D jr
5ΔMassey Martha W
6ΔWyatt Ethel nurse
Street continued
1001ΔBenoy Arth W ◎
1004ΔGolladay Mary M Mrs ◎
1007 Apartments
1ΔMcCraw Ruth D Mrs ◎
2ΔAylor Raymond C
3ΔGardner Cliffie M Mrs
4ΔFoster Ellen M Mrs
rear Jones Mary E (c)
Street continued
1010ΔKent Walter J
1011ΔVassar I Hugh jr ◎
1017ΔCline Beatrice M Mrs
1020ΔWoman's Club of Lybg
ΔCamper Bettie J
ΔBaker Edw M
1021 Apartments
1ΔThornhill Mary E nurse
3ΔFarries Arth P
4ΔMcNamee Edwin T
Street continued
1022ΔYoung Sidney M Rev
—11th intersects
corΔFirst Bapt Ch (side)
1101-03ΔWyatt John W School
ΔCity Schools Dental Clinic
ΔCity Schools Administration
ΔCity Supt of Schools
ΔCity Schools Medical Inspector
ΔCity School Bcard
ΔCity Vocational Educ Ofc
ΔState Committee on Veterans Educ
—12th intersects
1217ΔVirginian Mtrs Inc (fill sta)
corΔVirginian Mtrs Inc autos
—13th intersects
(Not open between 13th and 1313)
—Washington intersects

CLAY—Contd
513ΔEmmerson Earl V
ΔMays John L
514 Mitchell John H
515ΔMcKenna J Ashby
ΔSimmons Chas H
517ΔSpradlin Riley F
518 White Saunders A
ΔHarris David E
519ΔDrinkard Taylor S
522ΔLacy Edw F jr
ΔMiller Warren E
ΔMiller Mary E Mrs
523ΔHenderson Andrew T ◎ acct
6th intersects
605ΔHarvey Edith C
611ΔStPaul's Parish House
corΔStPaul's Episcopal Church
7th intersects
700ΔHoly Cross Roman Catholic Church ◎
701ΔBlankenship J Harry
707ΔAdams M Florence Mrs ◎
710ΔHoly Cross Rectory
ΔMeredith Wm J Rev ◎
ΔO'Hara John J Rev
ΔHammond Henry E Rev
712 Richardson Paul
Williams Gilbert H
713ΔSullivan Mae A ◎
713a White Cath T Mrs
714ΔWilson Aylett N ◎
715 Landrum Allison B
715b Sheehan Massie A
716 Tanner N Hunter
717ΔJones G Hugh ◎
718 Chapman Willie A Mrs
720ΔHill Cyrus B
722ΔKulman Jacob ◎
nw cor Central Presbyterian Church (c)
8th intersects
801 Clift Annie W
803 Jennings Alice Mrs
805 Spangler Morris E
807 Bryant Herman E
808ΔSmith Jas R ◎
809ΔAdams Emma ◎ concert mgr
810 Vacant
811ΔDoyle Mary S Mrs ◎
812ΔBigbie Wm T ◎
813ΔVaughan Jas R ◎
814ΔMcCarron Jos P Hon ◎
818 Dawson Grace ◎
820ΔChildress Ella K Mrs ◎
823ΔLybg City Jail
ΔLybg City Sergt
Ferguson Sue Mrs
Ware Wm T
9th intersects
901 Holy Cross Academy ◎
904ΔMcGehee Edw O ◎
906ΔTurner Geo J
909ΔHoly Cross Convent ◎
Sisters of Charity ◎
910ΔKegney Margt C ◎
913ΔSirocco Sally G Mrs
915 Mosteller Geo D
916ΔThompson Lucille S Mrs
919ΔMoss Thos I
921ΔRegan Nellie ◎
922ΔAlligood Wm E ◎
923ΔDurham Alma V Mrs
924ΔCarroll Geo A
10th intersects
1000 Bragassa Basil J
1001ΔTolley Hubert O
1003ΔRhodes Ruth O Mrs
1005ΔPanck Thos M
1006 Vest Lula B Mrs
1008ΔPonton Withers P
1009 Giles Frank D ◎
1010 Reid Jesse J
1013ΔWade Claude T
1014ΔSeay Howard W
1015 Gilley Virginia M Mrs
1017 Stephens Howard T
1019ΔSimerson Minnie Mrs
1020ΔHoward Henry L ◎
1021ΔAyers Ben W
1023ΔReynolds B Virginia Mrs
11th intersects
1100 Cheatham Beulah F Mrs
1101ΔAdler Robt
1102ΔLawson Jas F
1103ΔAdler Abe ◎
1105ΔPerry Peter R
1108ΔClark Jas L
1109 Martin Taylor W
ΔMartin Wesley W transfer
1110ΔPortnoy Geo D ◎
1114ΔHammersley Auto Service auto reprs
1114ΔSomers David M ◎
1117ΔDuti-Duds Inc drs mfrs
12th intersects
1208-10 Lybg Steam Bakery Inc
ΔBetter Products Machinery Co Inc sls ofc
(Steps between 1210 and 1216)
1216ΔNicholas Harold B ◎ roofer
1220ΔBrightwell Camilla E ◎
1223ΔWingfield John N
1225ΔSneed Harry S ◎
13th intersects
1300ΔStephens Lucy B ◎
1301ΔKinckle Jas G ◎
1304ΔAddison Julien H ◎
1307ΔViar Wm A ◎
1308ΔStokes Lillie Mrs ◎
1309ΔMartin Nellie Mrs ◎
1312ΔIrving Jos K jr ◎
1313ΔAdams Marie D Mrs
1314ΔKelly John G ◎
Wash intersects
1417 Johnson Curt H
1419 Fulks T Massie
Schlamb Louis P
1421ΔSchaeffer Leo ◎
1425 Pritchett Russell C ◎
Pearl intersects
CLAYTON—From 4300 Boonesboro road southwest to Burns
1500ΔAnderson Jas V ◎
1504ΔStroup Russell C
1505ΔBasham Albert A ◎
ΔPettigrew Dorothy O ◎
1508 Elliott Harvey D ◎
1509ΔWest R John ◎
1511ΔSmith Mamie C Mrs ◎
1513ΔGuff Geo W ◎
1516ΔSteptoe Hampden F ◎
1517ΔRector Clarence W ◎
1519ΔSublett Chas H ◎
1520ΔRoberson C Gray ◎
1522ΔDuncum R Frank ◎
Austin ends
1600ΔCostas Geo G ◎
1601 LeGrand Luther B
1615ΔShaefer Harvey W ◎
1621ΔHarrison Clark H ◎
1632ΔFranklin John R ◎
1640 Smith Arth M ◎
Longfellow ends
1709ΔFisher Edw W ◎
1619ΔBryant W Marvin jr
Spottswood av ends (not open)
Summit ends
Burns intersects (not open)

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COURT — From 4th southeast to Washington, intersecting 400 5th (not open between 13th and 1313)
409ΔLybg Battery Service
ΔCovington's Radio Service reprs
410ΔLybg Hosiery Mills Inc No 2
411 Vacant

5th intersects

500ΔHudson Mae C drsmkr
502 Phillips Thornton G
507ΔClark John W
509 Staples R Mack
511ΔPowell Lillie A
512ΔWhite Otha M
514ΔMiles Agnes O Mrs
515ΔOverstreet Wm M ⓪
516ΔDavis Mary B Mrs
cor Court St Baptist Church

6th intersects

600ΔBigbee W Owen
601ΔDillard Mary E Mrs ⓪
604ΔHolman Annie B Mrs ⓪
607 Woodland The
Apartments:
1ΔJohnson Eliz P Mrs
2 Arthur Jas T
3 Bailey Lester P
4 Vacant
Street continued
608ΔCraighill Mattie H Mrs
610 Apartments
1 Larsen C Albert
2 McCarron Owen P
3 Nexsen John A
4 Williamson John E
Street continued
612ΔRobert Nelson J ⓪
ΔMcCarron Julia C florist
614ΔMaucher Agnes D Mrs ⓪
618ΔWall Alice B ⓪
620 Courtland The
Apartments:
100ΔLee Parker H
110ΔAdams Mary Mc Mrs
120ΔPriddy Mamie H Mrs
Christian Martha L prac nurse
200ΔPettit Howard D
210ΔWitt Cora B Mrs
220ΔBarksdale Wm C

COURT—Contd
Courtland The—Contd
300ΔTaylor Henrietta M Mrs
310ΔMorrison Ernest R
320ΔJordan W Harrison
400ΔBrooks John W
410ΔBallard Jas H
420ΔWalker Lelia Mc V
corΔCourt St Methodist Church

7th intersects

700ΔArlington Hotel
701ΔKennedy Agnes R Mrs ⓪
707ΔMeschendorf Eliz ⓪
ΔMiles Roxie grad nurse
708ΔMatthews Clara W Mrs ⓪
710ΔNelson Hettie S Mrs
712ΔJackson Blanche N Mrs
714ΔGreen Judson B ⓪
715ΔAinslie Carrie M Mrs ⓪
716ΔConner Ella M Mrs
717ΔIvey Mary W ⓪
718ΔTaylor Georgia L Mrs
720ΔMerryman Mary L prac nurse
Wells Cornelia C Mrs
721ΔPugh Kitty H Mrs
723ΔWilliams E Crawley ⓪

8th intersects (es steps)

800ΔBarksdale Mary M Mrs
802ΔGilliam Elsie W ⓪
803 Tunstall Court
Apartments:
1ΔMiller Giles H
2ΔCostan Geo A
3ΔBost Thos M jr
4ΔHowell Wm L
806ΔRapp Saml C ⓪
808ΔDoss Addie L Mrs
810ΔBarger Daisy L Mrs
812ΔSweeney Peter V jr
818ΔIvey Edwin C
820ΔDrysdale Duncan ⓪
cor First Presbyterian Church

9th intersects

900ΔLemmon Mary B Mrs ⓪
901 City Court House
ΔCity Circuit Court
ΔCity Corporation Court
902ΔHough J Fred
903ΔDenning Chas B ⓪
904ΔSmith Wm F
905 West Edw G
906ΔHaas Zaida B Mrs
908ΔMaxwell John W
909ΔHouser Dick L ⓪
912ΔRitner J Howard ⓪
915ΔFord Wm A ⓪
917 Hillcrest The
Apartments:
(F) Junk Louis
(G) Mays Arnold P
(H) Clark Howell W
(K) Hutter Wm H
(L) Pinkard ——
21ΔEllett Robt I jr
22ΔO'Reilly Henry E
23ΔBass Bennie H
24 Ferree Martha
31ΔNoell Richd A
32ΔPatterson John R
33ΔJohnson Harry G
34ΔBailey Henry P
41ΔPugh Florence C Mrs
Pugh Sarah E nurse
42 Powell F Rogers
43ΔRogers Mary A Mrs
44ΔMullan R Henry
Street continued
921 Woodrow The
bsmt Vacant
Apartments:
1 Wertz Anna
1AΔRobertson Lena A Mrs
Robertson Eliz nurse
2 Vacant
2AΔCunningham Herbert L
3ΔTaylor John R
3A Allen Geo F
4 Watson Alice E
5 Morrison Herbert L
7ΔMoffett Lacy I
Cunningham Mary D Mrs nurse
8 Valentine Frank B
9 Arjona Agusto
10 Cumby Geo F
11 Stone Glenmore E
12 Hall Chas E
Street continued
922ΔCrowe Maude D
924ΔWilkinson Chas B ⓪

10th intersects

1000 Apartments
1 Foster Walter L
Foster Ruby Mrs
2ΔWickline David P jr
3ΔHughes Fanny M Mrs ⓪
4ΔGillespie Robt
5 Holland Elsie
6ΔWyatt Ethel
Street continued
1001ΔPoe Clarence C ⓪
1004ΔGalladay Mary M Mrs ⓪
1007 Apartments
ΔMcCraw Ruth D Mrs ⓪
2ΔWoodle Willis A
3 Gardner Wm N
4 Vacant
Street continued
1010ΔWills Wm M ⓪
1011ΔCasey Annie W Mrs
1017ΔCline Beatrice M Mrs
ΔCox Calvin C
1020 Woman's Club of Lybg
ΔCromwell Josephine M Mrs
Reynolds Wm W
1021 Apartments
1 Podigo Jos D
2 Matthews Robt R
3ΔStanley Earle
4 McNamee Edwin T
Street continued
1022ΔFutrell Jas W
ΔWyatt Herbert

11th intersects

corΔFirst Baptist Church (side ent)
1101-03ΔWyatt John W School
ΔCity Schools Dental Clinic
ΔCity Schools Administration
ΔCity Supt of Schools
ΔCity Schools Medical Inspector
ΔCity School Board
1117 Vacant

12th intersects

13th intersects (ws not open)
(Not open between 13th and 1313)

1313ΔDay Nursery of the Community Chest

Wash intersects

CRADDOCK — South 1 block to 1807 Park av
900ΔGilliam Vernard F
901ΔAmole Emma L Mrs
902 Reynolds Gilbert P
903 Waldrom Howard P jr

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CLAY—Contd
514 Mitchell John
515 McKenna J Ashby
517 Evans Marvin K
Thompson Everett W
518 Evans Nancy S (c)
519 Vacant
522 Lacy Edw F jr
Cover Marcellus A
523 Henderson Andrew T (c)

6th intersects

—— Lybg City Reservoir Basin
605 Ripley John D
611 StPaul's Parish House
nw cor StPaul's Episcopal Church

7th intersects

700 Holy Cross Catholic Church
701 Oglesby Emily R Mrs
707 Adams M Florence Mrs (c)
Black Sara P nurse
710 Meredith Wm J Rev
Conley John J Rev
O'Hara John J Rev
712 Smith Frank L
713 Sullivan Mae A (c)
713A Dunigan A Irene
714 Whitten Lloyd W
Wilson Aylett N
715 Vacant
715B Driscoll John H
716 Tanner N Hunter
717 Jones G Hugh (c)
718 Vacant
720 Hill Cyrus B
722 Kulman Jacob (c)
nw cor Central Presbyterian Ch (c)

8th intersects

801 Vacant
803 Vacant
805 Sterne Jas M
807 Tanner Harry A
808 Vacant
809 Adams Emma
810 Horton Hugh H (c)
811 Doyle Mary S Mrs (c)
812 Bigbie Alice L (c)
813 Vacant
814 McCarron Jos P Hon (c)
816 Eggers Clay R
820 Childress Ella K Mrs (c)
Skidmore Jas H
823 Lybg City Jail
Lybg City Sergt
Brandt Maurice C

9th intersects

901 Holy Cross Academy
904 McGehee Rose M Mrs (c)
906 Turner Geo I
Wilks Clifford O
909 Holy Cross Convent
Sisters of Charity
910 Kegney Katie G
913 Mosteller Geo D
Sessler Alma M Mrs
915 Duncan Fred C
916 Thompson Lucille S Mrs (c)
919 Smith Annie M Mrs
921 Regan Nellie (c)
922 Alligood Wm E (c)
923 Plunkett Robt M
Bowles Ethel M nurse
924 Cole Ernest A

10th intersects

1000 Bragassa Basil J (c)
1001 Vacant
1003 Rhodes Ruth O Mrs
1005 Panck Thos M
1006 Padgett Frank W
Turner Corinne J Mrs
1008 Ponton Withers P
1009 Giles Frank D (c)
Mann Early R
1010 Vest Andrew J
Reid Jesse J
1013 Wade Claude T
1014 Doss Edith M Mrs
Watt Minor F
1015 Drinkard Beverly H
1017 Gillispie Luther L
Earnest Arth W
1019 Garrison Eug A
1020 Howard Henry L
1021 Carroll Chas W
1023 Carter Stewart T
Logwood Harry D
Smith Harry L

11th intersects

1100 Bryant Herman L
1101 Donovan Mary E (c)
1102 Lawson Charlotte H
Lawson Edna V nurse
1103 Adler Abr (c)
1105 Layne Orenzel R
1108 Clark J Leland
1109 Maniates Fannie L Mrs
1110 Portnoy John (c)
1111 Hammersley Auto Glass Shop
Tom's Auto Body Shop
1114 Somers David M Rev
1117 Brooks Trans Co
Duti-Duds Inc dress mfrs
—— White Glove Service Sta

12th intersects

1208-10 Lybg Steam Bakery Inc
Better Products Machine Co Inc sls office
1216 Nicholas H Benj (c) roofer
1220 Brightwell Camilla E (c)
1223 Shultz Estelle B Mrs
1225 Sneed Harry S (c)

13th intersects

1300 Stephens Lucy B (c)
1301 Kinckle Jas G (c)
1304 Addison Julien H (c)
1307 Robertson Fannie P Mrs (c)
1308 Stokes Richd C (c)
1309 Martin Nellie (c)
1312 Irving Jos K jr (c)
1313 Hurt W Walker
1314 Vacant

Washington intersects

1417 Keesee Margt J Mrs
1419 Fulks T Massie
Schlamb Louis P
1421 Schaeffer Leo (c)
1425 Pritchett Lawrence
1428 Sicker Bertrand

CLAYTON AV — Southwest from 4013 Peakland pl, 1 west of Linden av

1500 Anderson Jas V (c)
1509 West R John (c)
1516 Vacant
1520 Roberson C Gray (c)
1522 Cary Lynn M (c)
1600 Costas Geo G
1603 LeGrand Luther B
1621 Harrison Clark B (c)
1632 Franklin John R (c)
1709 Fisher E Withers (c)

CONNECTICUT AV—Contd
105 Hughes Hawse B (c)
106 Owen F Ryland (c)
107 Armstrong Fred H
108 Vacant
109 Harvey Benj G (c)
111 Bowen Hascall W (c)
Moorman Nina W Mrs (c)

Richmond av intersects

209 Wrench Colquitt B (c)
213 Tinsley G Alvin

COOL SPRING DRIVE — North from Riverside dr nr intersection of Rolfe av

CORAL — West from Sou Ry to Elm, 1 south of New

CORK — Southwest from 2201 Early
316 Wilson N Susie (c)
318 Stratton Walter (c)

Early intersects

411 Thomas Chas A (c)
412 Wright Ella (c)
413 Cash Mary (c)
413½ Sanders Rosa (c)
414 Fowler Irene (c)
415 Fowler David (c)

COSBY — Southeast from Cabell to K, 1 block west of Rivermont av

Byrd begins

1101 Thaxton Geo O (c)
1103 Cross Chas F jr
1116 McConville Aubrey E (c)
1120 Rinsland Geo H (c)
1124 Newman Wm P (c)

Graham begins

1129 Kunz Christine S Mrs (c)
nurse

COUNTY ROAD — (Changed to Wythe rd)

COURT—South from 3d to Washington, 2d west of Main

4th intersects

401 Sanders Lewis (c)
rear Ward Wm (c)
409 Vacant
410 Lybg Hosiery Mills Inc No 2
411 Padgett Edw E

5th intersects

500 Keatts Vassar L Mrs
Simpson Jas G
502 Hudson Mae C drsmkr
507 Newcomb C Letcher (c)
509 Staples R Mack
511 Powell Lillie A
512 Switzer Barney
514 Miles Agnes O Mrs
Creasy Hughey V
515 Overstreet Wm M (c)
Overstreet Celeste Mrs bdg
516 Wooldridge Clarence T
Drinkard Romney L

6th intersects

nw cor Court St Baptist Ch
600 Wood Lula Y Mrs (c)
601 Dillard Mary E Mrs (c)
604 Harman Jas V
607 **Woodland The**
Apartments:
1 Johnson Eliz P Mrs
2 Dennis Wm W jr
3 Taylor W Alan
4 Magri Madeline F Mrs
Street continued
608 Craighill Mattie H Mrs
Barringer John G
610 Williamson John E
McCarron Owen P
Johnson Robt R
Rowe Emile N
612 Robert Nelson J (c)
McCarron Julia C Florist
2d fl Patteson Eug R
614 Scyphers Estin O Mrs (c)
616 Dugguid Nora A Mrs (c)
618 Wall Alice B
620 **Courtland The**
bsmt Vacant
Rooms:
1 Harwood Thos F ins
2 Smith Walter K jr
3 Bennett Wm J
4 Hicks Emory H
5-6 Echard Jas E
7 Roum D
8 Smith John
9 Criss Morris
Apartments:
10 Beasley Chas H jr
11 Adams Mary Mc Mrs
12 Priddy Mamie H Mrs
Christian Martha L
20 Pettit Eliz D Mrs
21 Witt Cora B Mrs
22 Johnson Garland R
30 Tyree Fauntleroy S
31 Goode Maury R
32 Jordan W Harrison
40 Vacant
41 Ballard Jas H
42 Hodgkins Alton R
Rooms (bsmt fl):
10 Kinnear Chas S
11 Vacant
12 Taylor Willis D
14 Harrison Julien
15 Vacant
16 Vacant
17 Felis Geo
31 Wright Benj F
nw cor Court St Methodist Ch

7th intersects

700 Arlington Hotel
Apartment Hotel Co
Burnett Gorman L (c)
Arlington Coffee Shoppe
701 Kennedy Agnes R Mrs
707 Hook H Burton
Gholson Levi R
708 Matthews Edwin A (c)
710 Barger Fred (c) bldg contr
Hollifield Bessie A Mrs
712 Crute Norvell C
714 Kemp Smeltzer V (c)
715 Ainslie Carrie M Mrs (c)
Moses Milton
Forsberg Annie-Lind
Stone Earl L
716 O'Meara Lucy T Mrs
717 Ivey Mary W (c)
718 Woody Clarence M
Taylor Georgia L Mrs
720 Gassman Kenneth M
721 Jennings Floyd C (c)
723 Williams E Crawley (c)

8th intersects

800 Barksdale Mary M Mrs
802 Gilliam Elsie W (c)
803 **Tunstall Court**
Apartments:
Miller Giles H
Barnard Elmer E
Rucker Marion G nurse
Thompson Georgia L nurse
Wallace Wm A
806 Rapp Saml C (c)
808 McLaughlin E Homer (c)
809 First Presby Church House
810 Phillips Marjorie G Mrs
812 Marshall Edw C (c)
818 Ivey Edwin C
820 Drysdale Duncan (c) lawyer
nw cor First Presbyterian Ch

9th intersects

900 Lemmon Mary B Mrs (c)
901 **City Court House**
City Circuit Court
City Corporation Court
902 Vacant

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COURT—Contd
903 Denning Chas B ⓞ
904 Vacant
906 Haas Zadie B Mrs
908 Maxwell John W ⓞ piano tuner
909 Houser Richd L
912 Ritner J Howard ⓞ
915 Ford Wm A ⓞ
917 Hillcrest The
Apartments:
(F) McDaniel Weston O
(G) Harvey R Lee
(H) Vacant
(K) Banton L F
(L) Mosley Henry E
21 Ellett Robt I jr
22 O'Reilly Thos B
23 Bass Geo M
24 Babcock B Chauncey
31 Noell Richd A
32 Patterson John R
33 Johnson Harry G
34 Bailey Henry P
41 Wilson Nelson D Mrs
42 Horner Agnes L
43 Morrison Ernest R
Morrison Ernest R genl collns
44 Vacant
Street continued
919 Terrell Alex W phys
921 Woodrow The
bsmt Somers Harper (c)
Apartments:
1 Hutter J Logwood
1A McCraw Rodney K
2 Vacant
2A Lockett John K
3 Taylor John R
4 Watsin Daisy V
5 Crump Eug L
7 Morrison Herbert L
8 Niles Harry
9 Arthur Frances M Mrs
10 Kent Frances M
11 Tyree Earl G
12 Ratcliffe Hoyt W
Street continued
922 House Chas E
924 Wilkinson Chas B ⓞ

10th intersects

1000 Apartments
1 McGregor Raymond J
2 Myers Howard S
3 Hughes Fanny M Mrs
4 Loftis Loundes H
5 Bland Robt E
6 Wyatt Ethel
Street continued
1001 Penick Nannie McK Mrs ⓞ
1004 Sayre Mary E ⓞ
1007 Apartments
McCraw Ruth D Mrs ⓦ
2 Taylor Herman P
3 Wilkins Jas A Dr
4 Mullan R Henry jr
Street continued
1010 Wills Wm M ⓞ
Marshall Mary G nurse
Wood John B ins
1011 Bragassa Jas L
Mallan Edw M
1017 Cline Bea Mrs
Cox Calvin C
1020 Woman's Club of Lybg
Cromwell Josephine M Mrs
Baker Edw M
1021 Apartments
1 Blanton Hugh C
2 Casey Ann W Mrs drsmkr
3 Lewis Jas H
4 McNamee Edwin T
Street continued
1022 Leigh Henry M
Sandidge A Ross
Estes Tyler P

11th intersects

cor First Baptist Church (side entrance)
1101-03 Wyatt John W School
City Schs Dental Clinic
City Schs Administration
City Supt of Schools
City Schs Medical Inspector
City School Board
U S Natl Youth Admn
1117 Vacant

12th intersects

—— User Car Exchange

13th intersects

1313 Day Nursery of the Community Chest

Washington intersects

CRADDOCK — North from 1807 Park av
—— Craddock-Terry Shoe Corp (west end factory)
900 Gilliam Vernard F
901 Amole Emma L Mrs
902 King Robt G
903 Fitzpatrick Henry F jr

CRADDOCK'S LANE—North from Johnson rd to Randolph lane, 2 west of Fort av
4711 Shelton Mattie (c)
4800 Mitchell Josephine (c)
4819 Jackson Annie B (c)

CRAIG (Roseland Pk) — Southeast from Maryland av, 1 west of Campbell av
(Beyond limits)

CRAIGHILL — Southwest from Rutherford to Liggates rd, 1 east of Fort av

CRESCENT ROAD—Runs irregular bet Midvale rd and Highview rd
(No houses)

CROTON — (Changed to Westmoreland av)

D—East and west from 400 Rivermont av
81 Johnson Jas E (c)
82 Culmer John W (c)
83 Ross Nathaniel (c)

Johnson intersects

101 McDonald Jas R
103 Chambers Eliz (c)
107 Parnell Herman (c)

Withers intersects

* * *

Cabell intersects

no cor Quality Hatchery Co
se cor Morris Hugh P gro and coal

Hancock intersects

* * *

Rivermont av intersects

1151 Ragland Robt C

$8,000,000

509 Harris Alice R Mrs
510 Meschendorf Eliz C Mrs
Rush Geo W
511 Dodd Chas S
512 Mahan Marv G Mrs
513 Kennedy Agnes R Mrs
514 Padgett Frank W
515 Overacre Lowry G
Pleasants Lester
517 Griffin Walter T
Rucker S Bernard
518 Evans Nancy S
519 Latham Lucy J Mrs
McKenna J Ashby
522 Sandifer John A
Meade H Winston
Desmond John V
523 Henderson Andrew T

6th intersects

Lybg City Reservoir Basin
605 Ripley John D
611 St Paul's Parish House
nw cor St Paul's Episcopal Church

7th intersects

700 Holy Cross Church
701 Oglesby Emily R Mrs
707 Adams M Florence Mrs
710 Tearney Edw M Rt Rev
Conley John J Rev
Waters Vincent S Rev
Byrnes Wm T Rev
712 Weekley Rosser S
713 Sullivan Mae
713A Vacant
714 Glenham Marvin T
715 Hogan Jesse J
715B Vacant
716 Cralle Russell C
Farrar G Thos
Fleshman Hudson J
717 Jones G Hugh
Cox Harry F
718 Mantiply Claudia R Mrs
720 Hill Cyrus B
722 Kulman Jacob
nw cor Central Presbyterian Ch (c)

8th intersects

801 Houser Dick L
803 Wood Wm P plmbr
805 Sterne Jas M
807 Tanner Harry A
808 Kunz Geo H
809 Vacant
810 Horton Hugh H
811 Doyle Mary S Mrs
812 Bigbie Wm T
813 Gregory R Kent
814 McCarron Cath Mrs
815-17 Va Emergency Relief Administration (surplus food div)
816 Perdue A Danl
Driscoll Thos J
820 Childress Ella K Mrs
Skidmore Jas H
823 Lybg City Jail
Lybg City Sergt

9th intersects

901 Holy Cross Academy
904 McGehee Rose C Mrs
906 Wade Sarah E Mrs
909 Holy Cross Convent
Sisters of Charity
910 Kegney Maria C Mrs

Life Insurance

CLAY—Contd
913 Kidd Geo R
Garber Anne L Mrs
Mosteller Geo D
915 Morris Rufus D
916 Thompson Lucille P Mrs
919 Morison Herbert L
921 Regan Nellie
Ayers Kate nurse
922 Alligood Wm E
Taylor Herman P
923 Clark J Leland
Giles Frank D
924 Phillips Thos

10th intersects

1000 Bragassa Eliz J Mrs
1001 Combs Bertha E Mrs
1003 Russell Benj D
1005 Coleman Edw C
1006 Peters Clyde B
1008 Vacant
1009 Morris Wade H
1010 Rhodes J Massie
1013 Wade Claude T
Harper Jas H
Phelps Markt Mrs
1014 Wills Robt H
Wills Wm M
1015 Drinkard Beverly H
Carroll Chas W
1017 Webber S Thos
1019 Nuckols Geo E
1020 Snead Susannah A Mrs
Howard Henry L
1021 Carroll Geo A
Nuckols Allen R
1023 Deep Geo A
Reynolds Beulah V Mrs
Hatcher Lonnie W
Rucker Aubrey

11th intersects

1100 Thomas Rosa K Mrs
1101 Donovan Mary E
1102 Lawson Jas F
Lawson Edna V nurse
1103 Koslow Benj
1105 Bryant W Brent
1108 Carwile Herman G
Elder R Oliver
1109 Vacant
1110 Portnoy Geo
Weinstein David A
1111 Conner Motor Co Inc autos
1114 Somers David M
1117 Union Frt Truck Terminal
Bedford-Rke-Lybg Frt Line
Brooks Trans Co
Knight Transfer
Montgomery Transfer
Owen & Walker Transfer
Rapid Transit Lines
Richmond-Rke Frt Line
Staunton-Waynesboro Frt Line
Turner Motor Line

12th intersects

1208-10 Lybg Steam Bakery Inc

Guggen

COURT—Contd
401 Strawter Mary (c)
407 Vacant
409 Payne, Seay & Anderson Inc medicine mfrs
410 Lybg Hosiery Mills Inc No 2
411 Witt Benj H

5th intersects

500 Bunker Fredk M
DeWitt Oscar T
Moran Laura E Mrs
Moss Wm G
502 Vacant
507 Hunter Theo A
Roakes Willard E
509 Staples R Mack
511 Miles Agnes O Mrs
512 Johnson M Ethel Mrs
514 Houston Chas L
Sowell Wm D
515 Montgomery W Bruce
516 Clements J Dewey

6th intersects

nw cor Court St Baptist Ch (c)
600 Wood Lula Y Mrs
601 Dillard Mary E Mrs
Arthur Ruth T Mrs
Harding Evelyn B
604 Lawler Ernest H
607 **Woodland The**
Apartments:
1 Rucker I Reynolds
2 Thacker Hunter B
3 Western Sadye E Mrs
4 Magri Mary D Mrs
Street continued
608 Craighill Mattie H Mrs
Barringer John G
610 Williamson John E
Harvey John W
Wilson Wm F
612 Robert Nelson J
McCarron Julia C Florist
Vaughan Virginia W
614 Scyphers Estin O Mrs
Jones Nellie A nurse
616 Diuguid Nora A Mrs
Diuguid Mary S interior decorator
618 Driscoll Jas E
620 **Courtland The**
bsmt Hunter Saml (c)
Apartments:
1-2 Hendrickson Chas F
DeYoung David F
3 Stanley Raymond F
4 Vacant
5-6 Echard Jas E
7 Wingert Melvin
8 Smith Walter K jr
Harwood Thos F
9 Shapiro M V
10 Beasley Chas H
11 Nathan Elmer J
12 Priddy Mamie H Mrs
20 Sutherland Edgar L Dr
21 Campbell Eliz
Black Sue nurse
22 Williams Arth S
30 Wright Rudolph H
31 Goode Maury R
32 Cave John H
40 Harvey Emma C Mrs
41 Ballard Jas H
42 Mayfield Nancy G Mrs
Rooms (bsmt fl):
10 Wiley G P
11 McAnally W S
12 Ferebee Jos C
14 Harrison Julian
15 Tatum Achilles M
16 Murphy Chas A
17 Felis Geo
31 Vacant

7th intersects

nw cor Court St M E Ch (South)
700 **Arlington Apt Hotel The**
Apartment Hotel Corp
Arlington Coffee Shoppe
Hawkins Jas L
Johnson Clarence N
701 Halsey Steph P
707 Maher Jas W
Marshall Mary G nurse
708 Matthews Edwin A
710 Barger Fred
712 Vacant
714 Kemp Smeltzer V
715 Ainslie Peter ins
Moses Milton
Pedigo Bessie nurse
Forsberg Annie L nurse
Stancil Beaman L
716 Munday Robt P
717 Ivey Mary W
718 Tashner Lillian M Mrs
Lawson Rowland W
Connor Arth
720 Halsey Don P Hon
Brown Sue nurse
721 Jennings Floyd C
723 Williams E Crawley

8th intersects

800 Barksdale Mary M Mrs
802 Gilliam Elsie W
803 **Tunstall The Apts**
Miller Giles H
Glover M Leonard
Johnston Saml N
Akers Eug L
806 Rapp Saml C
808 McLaughlin Timothy E
809 First Presby Church House
810 Tyree Walter P jr
812 Marshall Edw C
816 Ivey Edwin C
820 Drysdale Duncan lawyer
Thomas Wm L
Anderson Eleanor M Mrs
Lee Sallie M Mrs
nw cor First Presbyterian Ch

9th intersects

900 Haas Zadie B Mrs
901 **City Court House**
City Circuit Court
City Corporation Court
902 Hodges Martin
903 Taylor Brokerage Co Inc food prods
Taylor R Glenn
Taylor Eleanor T nurse
904 Pettit Eliz D Mrs
906 Bigbie Woodsie T Mrs
908 Maxwell John W piano tuner
909 Christian Mary D Mrs
912 Ritner J Howard
915 Ford Wm A
917 **Hillcrest The**
Apartments:
F Vacant
G Camp Benj J
H Woodson Richd B
K Brown Oscar L

COURT—Contd
Hillcrest The—Contd
L Mosley Henry E
21 Ellett Robt I jr
22 O'Reilly Thos B
23 Bass Geo M
24 Babcock Bradley C
31 Noell Richd A
32 Patterson John R
33 Joubert Louise S Mrs
34 Bailey Henry P
41 Bright Urillis D
42 Richardson Wm N
43 Baber Alberta L Mrs
44 Johnson Eliz Mrs
Street continued
919 Terrell Alex W phys
921 **Woodrow The**
Apartments:
1 Hutter J Logwood
1A Harvey Edith C
2 Shelton E Howard
2A Haile Eliz G Mrs
3 Parr John R
4 Duffill W Grady
5 Turner Alf E
7 Witt Cora B Mrs
8 Blankinship Kenneth I
9 Page Numa D
10 Kent Frances M
11 Vacant
12 Beam Walter R
Street continued
922 Vacant
924 Wilkinson Chas B

10th intersects

1000 **Apartments**
1 Baker Ellen K Mrs
2 Vacant
3 Hughes Fanny M Mrs
4 Loftis Loundes H
5 Vacant
6 Strader Ludwell A
Street continued
1001 Penick Nannie McK Mrs
1004 Sayre Mary E
1007 McCraw Otho L
Whitaker Caroline K Mrs
McClung Harry T
Kinnear Chas S
1010 Buchanan John H Rev
1011 Hutcheson Mary J
McCue Mary L
Hartless Margt L
1017 Anderson Mana E Mrs
1020 Woman's Club of Lybg
Jones Frank D
Cromwell Josephine M Mrs
1021 Younger Edw F Dr
1022 Leigh Henry M
Nelson Hettie Mrs
Snow S Elmo

11th intersects

cor First Baptist Church (side entrance)
1101-03 City Schs Dental Clinic
City Schs Administration
City Supt of Schools
Wyatt John W School
City Schs Medical Inspr
City School Board
1117 Vacant
1118 Vacant

12th intersects

13th intersects

1313 Day Nursery

Washington intersects

CRADDOCK — North from 1807 Park av
Craddock-Terry Co (west end factory)
900 Gilliam Vernard F
901 Amole Emma L Mrs
902 Farrar Otis G
Henderson Percy H
903 Mitchell Ethel Mrs

CRAIG (Roseland Pk)—Southeast from Maryland av, 1 west of Campbell av
(beond limits)

CRAIGHILL — Southwest from Rutherford to Liggates rd, 1 east of Fort av

CRESCENT RD — Runs irregular bet Midvale rd and Highview rd

CROTON — (Changed to Westmoreland av)

D—East (and west) from 400 Rivermont av
81 Vacant
82 Campbell Theresa Mrs
83 Melton Ernest F

Johnson intersects

101 McDonald Jas R
103 Jenkins Robt (c)
107 Powell Wm C Rev (c)

Withers intersects

Cabel intersects

Quality Hatchery Co
Rusty's Electric Repair Shop

Hancock intersects

Rivermont av intersects

1151 Ragland Robt C

DABNEY—Northwest from B bet Stonewall and Hancock
203 Williams Chas (c)
207 Jackson Wm (c)
209 Ramsey Wm (c)
210 Turner J Herman (c)
213 Brown Jordan
215 Cannady Ora (c)

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CHURCH—Cont'd
1720 Puckett Wm H
1721 Bertha H Mrs

CLARKE—South from Granville to McKinney av, 1st east of Oxford
—— Mays Jennie E Mrs

CLAY—South from 500 3d
309 Scott Amanda (c)
310 Scott Beverly (c)
320 Saunders Richd (c)
322 Reddiford Jos (c)
4th intersects
400 Padgett Frank W
402 Vest Jas L
404 Johnson Houston W
406 Alderson Dorothy Mrs
408 White Edgar H
412 Vaslas Jas
414 Weekley Eustace C
5th intersects
500 Rucker Isaac R
502 Garber John S
503 Fauber J Everett
504 Peak Mary E Mrs
505 Cobbs T Letcher
506 Fazzi Umberto L
509 Harris Alice R Mrs
510 Meschendorf Eliz Mrs
511 Dodd Chas S
512 Gibbs Mary E Mrs
513 Kennedy Wm J
514 Dove Mary E Mrs
515 Vacant
517 Overacre Lowry G
Overacre Carl E
518 Evans Thos W
519 Latham Lula J Mrs
Gouldman Etta Mrs
Dinwiddy Nannie music tchr
522 Patterson B Frank
Temple Kath M
Gowen Mary E nurse
Miles Roxie E nurse
Miles Ruby T nurse
Tolley Edmonia nurse
523 Henderson Andrew T
6th intersects
—— Lynchburg City Reservoir Basin
605 Vacant
611 St Paul's Parish House
7th intersects
—— St Paul's Episcopal Ch
700 Holy Cross Catholic Ch
701 Oglesby Thos W
707 Adams Thos
710 Tearney Edw M Rev
McLinn Geo Rev
712 Phillips Douglas J
713 Sullivan Mary A Mrs
714 Hall Frank J
715 Ripley John D
Whybrew Fredk J
716 Farrar G Thos
Cralle Ruccell C
Fleshman Hudson J
717 Jones G Hugh
Reid Frank B
718 Potter Virginia Mrs
720 Hill Cyrus B
722 Kulman Jacob
8th intersects
—— Central Presbyterian Ch (c)
801 Eureka Vacuum Clnr
Houser Dick L
803 Vacant
805 Sterne Jas M
Woolridge Lyle A
807 Tanner Harry A
Martin Jas J
808 Callahan Luther L
809 Adams Emma
810 Horton Mary M Mrs
811 Doyle Mary S Mrs
812 Bigbie Wm T
813 Gregory R Kent
Seabury Phoebe G Mrs
814 McCarron Cath Mrs
815-817 Lybg Home Guard Armory
816 Perdue A Dani
Driscoll Thos J
820 Childress Ella Mrs
Skidmore Jas H
823 Lybg City Jail
Lybg City Sergt
9th intersects
901-905 Holy Cross Academy
904 McGehee Rose C Mrs
906 Wade Eliz Mrs
909 Holy Cross Convent
Sisters of Charity
910 Kegney Maria C Mrs

913 Hasson John J
915 Driskill Otho H
916 Reamey Overton D
Morris Mildred R nurse
919 Morrison Herbert L
921 Regan Minnie
922 Alligood Wm E
Sater Edythe L Mrs
Doyle Michl E jr
923 Clark J Leland
924 Proffitt Annie E Mrs
10th intersects
1000 Bragassa Eliz J Mrs
1001 Denning Chas B
1003 Hurley Thos J
1005 Johnson Oscar L
1006 Speicher Wm M
1008 Swanson Saml H
1009 Jordan Robt F
1010 Russell Benj D
1013 Birmingham E Newton
Langley Jos L
1014 Wills Robt H
Wills Wm M
1015 Vacant
1017 Vacant
1019 Vacant
1020 Snead Susannah A Mrs
Howard Henry L
1021 Vacant
1023 George Robt M
11th intersects
1100 Peters Clyde B
Giles Frank D
1101 Donavan Mary E
1102 Lawson Jas F
Lawson Edna V nurse
1103 Adler Isadore
1105 Lane Henry
1108 Carwile Herman G
Elder R Oliver
1109 Tyree Pocahontas Mrs
Russell John D
1110 Portnoy Geo
1111 Reed's Garage auto reprs
1114 Somers David M
1117 Thomas W C Tob Co Inc (side)
1118 Vacant
1120 Vacant
12th intersects
1208 Lybg Steam Bakery Inc
1216 Nicholas H Benj
1220 Wilkins Jas A

600 Wood Lula Y Mrs
601 Dillard Mary E Mrs
604 Jacobs Marie L
607 Woodland The
Apartments
1 Ellett Robt I jr
2-3 Walker Gorham B
4 Koslow Benj
Street continued
608 Craighill Mattie H Mrs
Lee Lucy N Mrs
610 Lewis H Gordon
Hopkins Wm D
612 Roberts Nelson J
McCarron Julia C florist
614 Scyphers Estin O Mrs
616 Diuguid Nora A Mrs
Diuguid Mary S interior decorator
618 Wingfield L Edmund
620 Courtland The
bsmt Hunter Saml (c)
Apartments
4 Echard Jas E
8 Williams Jas L
10 Dickerson Albert D
11 Nathan Elmer J
12 Priddy Mamie H Mrs
20 Sutherland Edgar L Dr
21 Lawler Ernest H
22 Williams Arth S
30 Wright Rudolph H
31 Vacant
32 Ware Bessie G Mrs
40 Goodwin Elmo H
41 Ballard Jas H
42 Jennings Theo A
Street continued
7th intersects
—— Court St M E Ch (South)
700 Vacant
701 Halsey Steph P
707 Maher Jas W
708 Matthews Edwin A
710 Barger Fred
714 Kemp Smeltzer V
715 Ainslie Peter
Hobbie J Dexter
Davis J Herbert
716 Jones Richd T
Witte Aug C
717 Ivey Mary W
Coleman Leone I music tchr
718 Ennis John E
Blanco Pierre
720 Halsey Don P Hon
721 Jennings Floyd C
723 Williams E Crawley
8th intersects
802 Gilliam Elsie W
803 Tunstall The
Fox Thos H jr
Schilling Friedrich
Glass Robt C
Heald E Ernest
Street continued
806 Rapp Saml C
808 McLaughlin Timothy E
809 First Presby Ch
810 Glass Edw C
812 Marshall Edw C
818 Taylor R Glenn
Taylor Brokerage Co Inc food products
820 Drysdale Duncan
Lee Sallie M Mrs
900 Logwood Edw R
901 Lybg City Court House
Lybg City Circuit Court
Lybg City Corporation Court
902 Bass Geo M
903 Miller Giles H
904 Pettit Wm J
906 Bigbie Woodsie T Mrs
908 Adams W Duval jr
909 Christian Mary D Mrs
912 Ritner J Howard
915 Jennings J Thos
917 Hillcrest The
Apartments
F Vacant
G Vacant
H Lewis Sanford I
K Vacant
L Vacant
21 Hippert Robt E
22 O'Reilly Thos B
23 Vacant
24 Vacant
31 Noell Richd A
32 Barber Alberta O Mrs
33 Joubert Chas A
34 Walters L Bradford
41 Vacant
42 Vacant
43 Vacant

COURT—Cont'd
Street continued
919 Terrell Alex W phys
921 Woodrow The
Apartments
1 Hutter Jas L
1-A Perkins Foy L
2 Henderson Guilford E
2-A Haile Eliz G Mrs
3 Page Numa D
4 Thomasson Jos G
5 Rucker Ernest E
6 Vacant
7 Loftin Henry E
9 Vacant
11 Schmincke Louis H
12 Vacant
Street continued
922 Taylor Mattie D Mrs
924 Wilkinson Chas B
10th intersects
1000 Apartments
1 Rucker Chas T
2 Horton Lawrence W
3 Hughes Fanny Mrs
4 Abraham H St Geo T
5 Vacant
6 Turner Glenville C
Street continued
1001 Penick Douglas M
1004 Sayre Mary E
1007 McCraw Otho L
Whitaker Carrie K Mrs
Kinnear Mollie
1010 Skinner T Clagett Rev
1011 Wray Alonzo M
1017 Anderson Mana E Mrs
Smith Paul W
1020 Woman's Club of Lybg
McKnight Chas D
Jones Frank D
1021 Younger Edw F Dr
1022 La Tour Aileen de
Glass Henry B
11th intersects
—— First Baptist Ch
1101-1103 Lybg City Schs Dental Clinic
Lybg City Schs Administration
Lybg City Supt of Schs
Wyatt John W Sch
Lybg City Schs Medical Inspection
Lybg City School Board
1117 Vacant
1118 Vacant
12th intersects
* * *
13th intersects
1313 Day Nursery

CLAY—South from 500 3d

309 *Johnson Amanda
310 *Scott Beverly
320 *Saunders Richd
322 *Horsley Susie

Fourth intersects

400 Little Kathleen Mrs
402 Kirby F D
404 Brooks A R
408 Alderson Dorothy Mrs
White E H
412 Vaslas James
414 Hines W J B
Weekley E C

Fifth intersects

500 Dickerson S J
502 Fulton R A Mrs
503 Fauber J E
504 Peak J M
505 Cobbs T L
506 McKnight C D
509 Harris A R Mrs
510 Campbell H L
511 Dodd C S
Oder H A
512 Gibbs E D Mrs
Mahan J C
513 Kennedy W J
514 Giles R H
Lee W H
515 Overacre L G
517 Vacant
518 Lipscomb B F Rev
519 Gouldman Etta Mrs
Latham L J Mrs
522 James L S Mrs
523 Henderson A T

Sixth intersects

—— City Reservoir Basin
605 Vacant

Seventh intersects

—— St Paul's Epis Ch
—— St Paul's Parish House
700 Holy Cross Catholic Ch
701 Oglesby T W
707 Paxton J D Rev
710 Tearney E M Rev
712 Patterson W E
McBride Edward
713 Sullivan M A Mrs
714 Williams C E

715 Vacant
716 Goggin J D
717 Boley J O
718 Hundley A W Mrs
720 Howerton T H
722 Kulmas Jacob

Eighth intersects

—— *Central Presb Ch
801 Houser D L
803 Carnes W A
Garland M L
805 Stoner J M
807 Tanner H A
808 Fazzi U L
809 Adams Emma Miss
810 Horton M M Mrs
811 Doyle M S Mrs
812 Bigbee W T
813 Gregory W S
Seabury P G Mrs
814 McCarron Catherine Mrs
815-817 Lybg Home Guard Armory
818 Perdue A D
Driscoll T J
820 Childress Ella Mrs
Worsham S I Mrs
823 City Jail
City Sergt

Ninth intersects

901-905 Holy Cross Academy
904 McGehee R C Mrs
Corbin W C
906 Gregory L F Mrs
909 Holy Cross Convent
Sisters of Charity
910 Kegney M C Mrs
913 Capell W S
Maxwell J W
915 Hudson J H
916 Reamey O D
919 Morrison H L
921 Regan Minnie Miss
922 Alligood W E
923 Scruggs G E Miss
924 Proffitt A E Mrs

Tenth intersects

1000 Bragassa E J Mrs
1001 Adams Thos
1003 Burruss R S
1005 Crabtree H E
1006 Wise E N
1008 Stephens J O
1009 Jordan R F
Moore M H
1010 Scott J W
1013 Overstreet J W
Langley J L
Spencer L J
1014 Wills R H
Wills W M
1015 Vacant
1017 Vacant
1019 Vacant
1020 Snead S A Mrs
Howard H L
1021 Stanley Jno
1023 Shepherd S L Mrs
Ravn C I
Rogers H S

Eleventh intersects

1100 Burks J H
1101 Donovan M E Miss
1102 Lawson J F
1103 Adler Isadore
1105 Stewart N O
1108 Vacant
1109 Russell J D
1110 Portnay Geo
Weinstein D A
1111 Gallios F E
1114 Somers D M
1117 Thomas W C Tob Co Inc
1118 *Chatten Rosa
1120 Bolt M L Mrs
Denson R F

Twelfth intersects

1208 Lybg Steam Bakery Inc
1216 Eads Carrie Mrs
1223 Vacant
1225 Sneed H S

Thirteenth intersects

1300 Stephens J L
1301 Kinckle J G
1304 Addison V H Mrs
1307 Robertson R G
1308 Stokes R C
1309 Magri L B Mrs
1312 Wingfield S L Mrs
Coleman W H
1313 Akers E L
1314 McDonald H C Hon

Washington intersects

1417 Vacant
1419 Vacant
1421 Vacant
1425 Callahan A K
1427 Noell Emma Mrs

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COURT—South from 3d to Washington, second west of Main

Fourth intersects

401 *Warner Louis
407-409 Long's Baggage Transfer (garage)
410 Lybg Hosiery Mill Co Inc No 2
411 Creasy Hugh

Fifth intersects

500 Vacant
502 Vacant
505 Vacant
507 Berg School of Music
Christian S G Mrs
Ford S C Mrs
509 Davis W J
511 Thompson H S Mrs
Morelen E P
512 Carter Mary Mrs
514 McKinney J L
515 Montgomery W B
516 Vacant

Sixth intersects

—— *Court St Bap Ch
600 Wood L Y Mrs
601 Dillard M E Mrs
Monticola Club
604 Abrahams Clara Miss
607 Woodland The

Apartment
1 Branch M S
2 Hopkins C D
3 Watters R A Dr
4 Lewis H G

608 Craighill M H Mrs
609 Evangelistic Bible Class
610 Craighill M E Mrs
611 Vacant
612 Vacant
614 Wrenn L O
616 Diuguid W D
618 Wingfield L E
620 Courtland Apts
Echard J E
Apartments
4 Echard J E
5-6 Goodman Leon
8 Williams J L
9 Hubbard C R

10 Dickerson A D
Nowlin M A
12 Kuniansky Max
Criddy M H Mrs
13 Whitmore C W
14 Payne P W
Reed H B
15 Allen F F
17 Hurley D A
20 Gills L B Mrs
22 Williams A S
42 Horsley C D Miss

Seventh intersects

700 Early F R Miss
701 Halsey S P
707 Carroll J W Dr
708 Matthews E A
710 Barger Fred
712 Shepherd P J
714 Kemp S V
715 Hobbie J D
Ainslie Peter
Howell F M Dr
716 Kamner Florence Mrs
716-718 Beck Hazel M Mrs
717 Ivey M W Miss
720 Halsey D P
721 Jennings F C
723 Williams E C

Eighth intersects

—— Court St M E Church (South)
800 Lawler E H
802 Gilliam E W Miss
803 Tunstal The
Fairey M L
Glass R C
Heald E E
Henderson W A
806 Rapp S C
808 McLaughlin T E
809 First Presbyterian Church House
810 Glass E C
812 Foster H D
Marshall E C
820 Drysdale Duncan
Weiland R O

Ninth intersects

—— First Presbyterian Church
900 Lemmon Robt Dr
901 Circuit Court
Corporation Court
Court House
902 Bass G M
903 Miller G H
904 Pettit W J
906 Bigbie W B
908 Adams W D
909 Christian Mary Mrs
912 Ritner J H
Watts James
915 Jennings J T
917 Hillcrest The
Apartments:
F Russell A J
G Harvey C C
H Hawks F R
K Sisson Leon
21 Andrews J M
22 O'Reilly T B
24 Strachan J B
31 Noell R A
32 Armistead T McM
33 Joubert C A
34 Waters L B
41 Johnson G R
42 Baldwin S G
43 Nowlin G H Jr
44 Smith J A
919 Terrell A W Dr
921 Woodrow The
Apartments:
1 Singleton L A
2 McClung H T
3 Shelton R S
4 Nathan Ray Mrs
5 Thomasson J G
6 Loftin H E
7 Rucker E E
9 Taylor M D Mrs
12 Miles Roxie Miss
21 Taylor W D
922 Airhart David
924 Wilkinson C B

Tenth intersects

1000 Glass E S
Miller H C
1001 Penick D M
1004 Sayre M E Miss
1007 McCraw O L
Woodruff J W
1010 Skinner T C Rev
1011 Wray A M
1017 Anderson H A
Hart J L
1020 Jones F D
Peters J C

Report ID: 24031200056 - 03/17/2024
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COURT—Cont'd

Woman's Club of Lybg
1021 Younger E F Dr
1022 de La Tour Aileen Miss

Eleventh intersects

—— First Bapt Ch
—— Wyatt Jno W Sch
1101-1103 City Supt Schools
City Sch Nurses
1117 Vacant
1118 *Thornton Mary J

Twelfth intersects

* * *

Thirteenth intersects

1313 Day Nursery

Report ID: 24031200056 - 03/17/2024
www.erisinfo.com

HISTORICAL AERIALS

Project Property: West Building
805 Court Street
Lynchburg VA 24504

Project No: B12188B-10HM / Phase 03 / Task 05

Requested By: TRC Environmental Corporation

Order No: 24031200056

Date Completed: March 14,2024

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Environmental Risk Information Services
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Date	Source	Scale	Comments
2021	United States Department of Agriculture	1" = 500'	
2018	Maxar Technologies	1" = 500'	
2016	United States Department of Agriculture	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2011	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2008	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
1994	United States Geological Survey	1" = 500'	
1991	United States Geological Survey	1" = 500'	Best Copy Available
1982	United States Geological Survey	1" = 500'	
1977	United States Geological Survey	1" = 500'	Best Copy Available
1968	United States Geological Survey	1" = 500'	
1962	United States Geological Survey	1" = 500'	
1957	Agricultural Stabilization & Conserv. Service	1" = 500'	
1947	United States Geological Survey	1" = 500'	
1937	Agricultural Stabilization & Conserv. Service	1" = 500'	

Year: 2021
Source: USDA
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 2018
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 2016
Source: USDA
Scale: 1" = 500'
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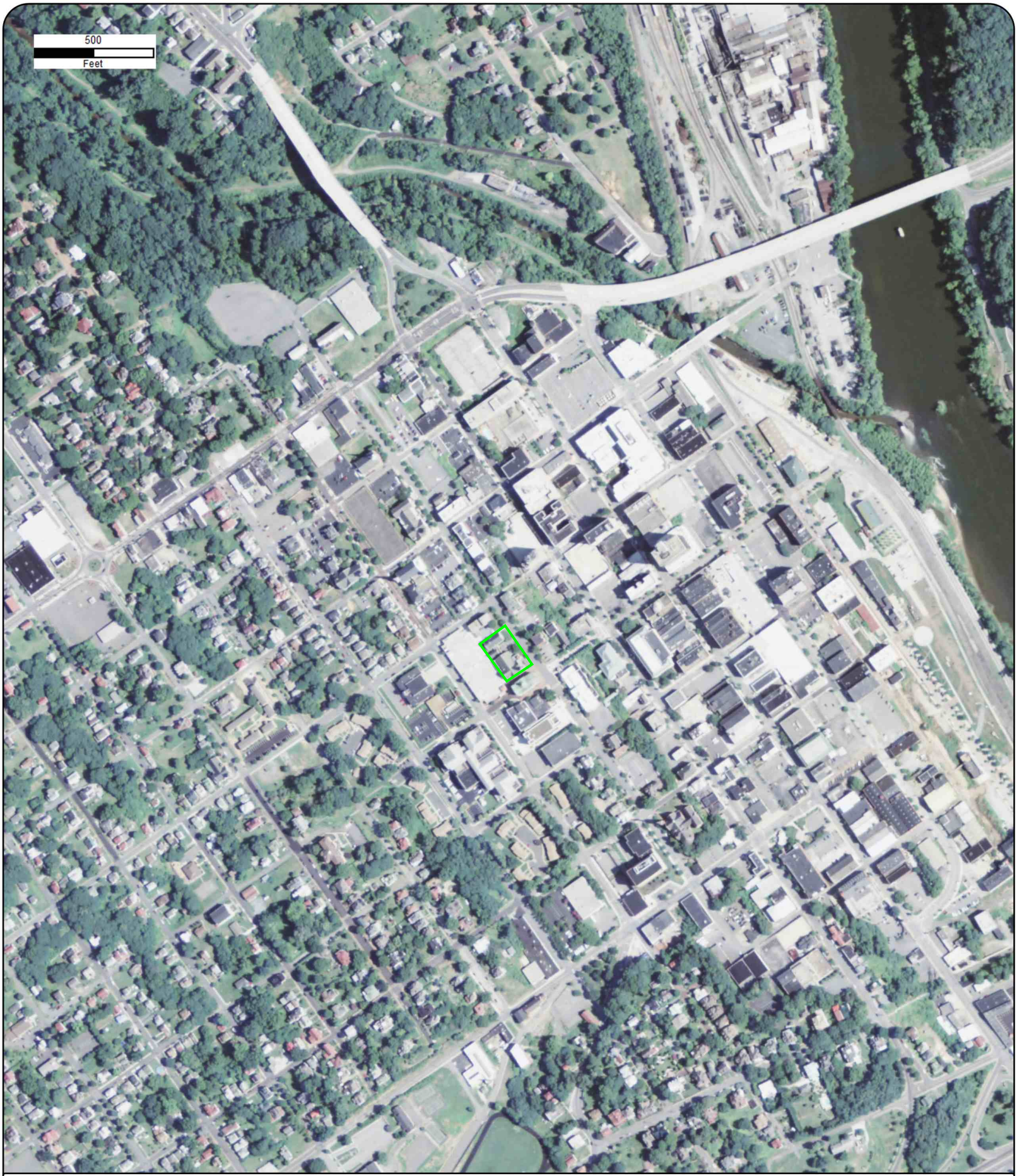
Approx Center: -79.14469985,37.41401471

Order No: 24031200056



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Order No: 24031200056

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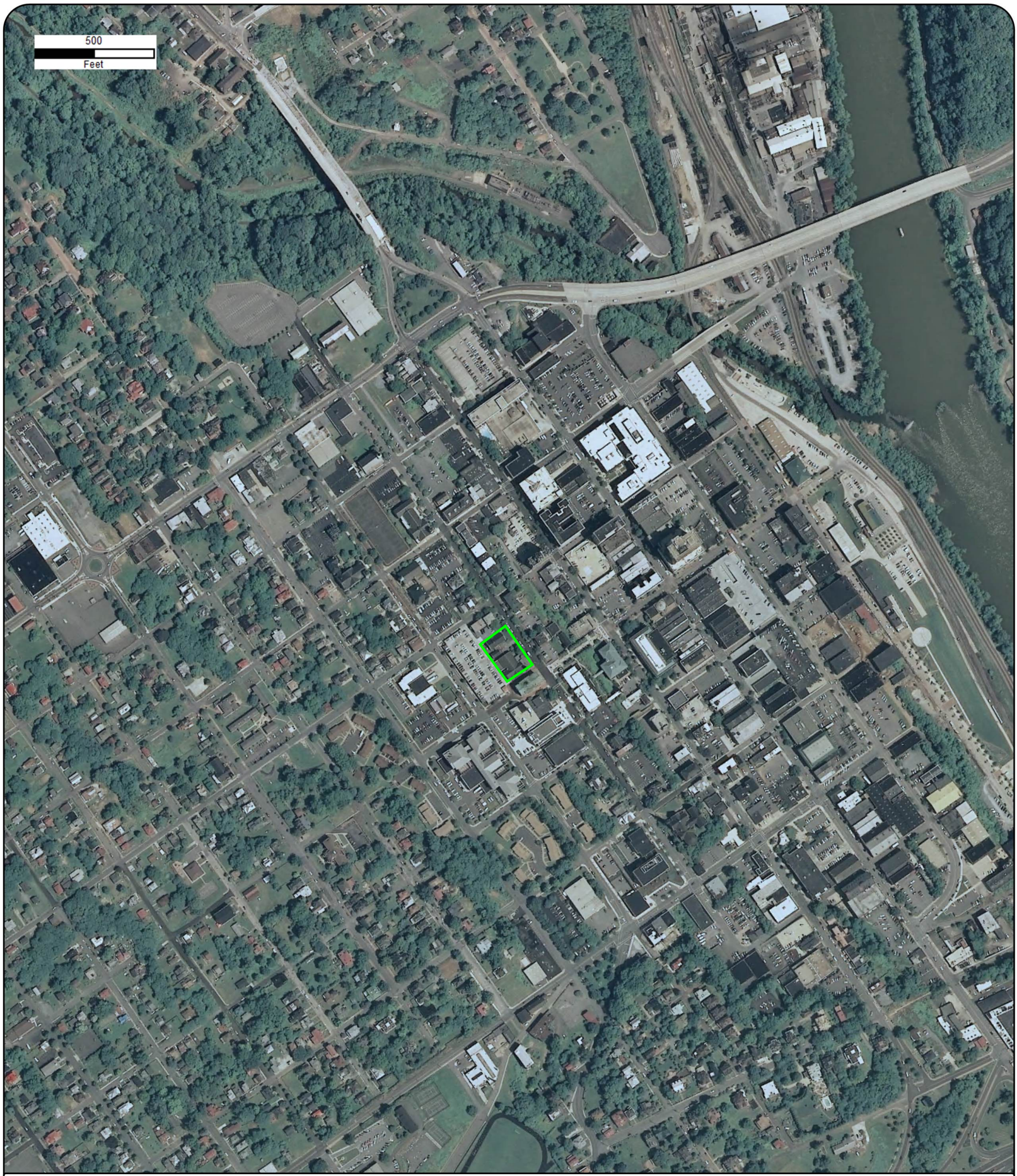
Approx Center: -79.14469985,37.41401471

Order No: 24031200056



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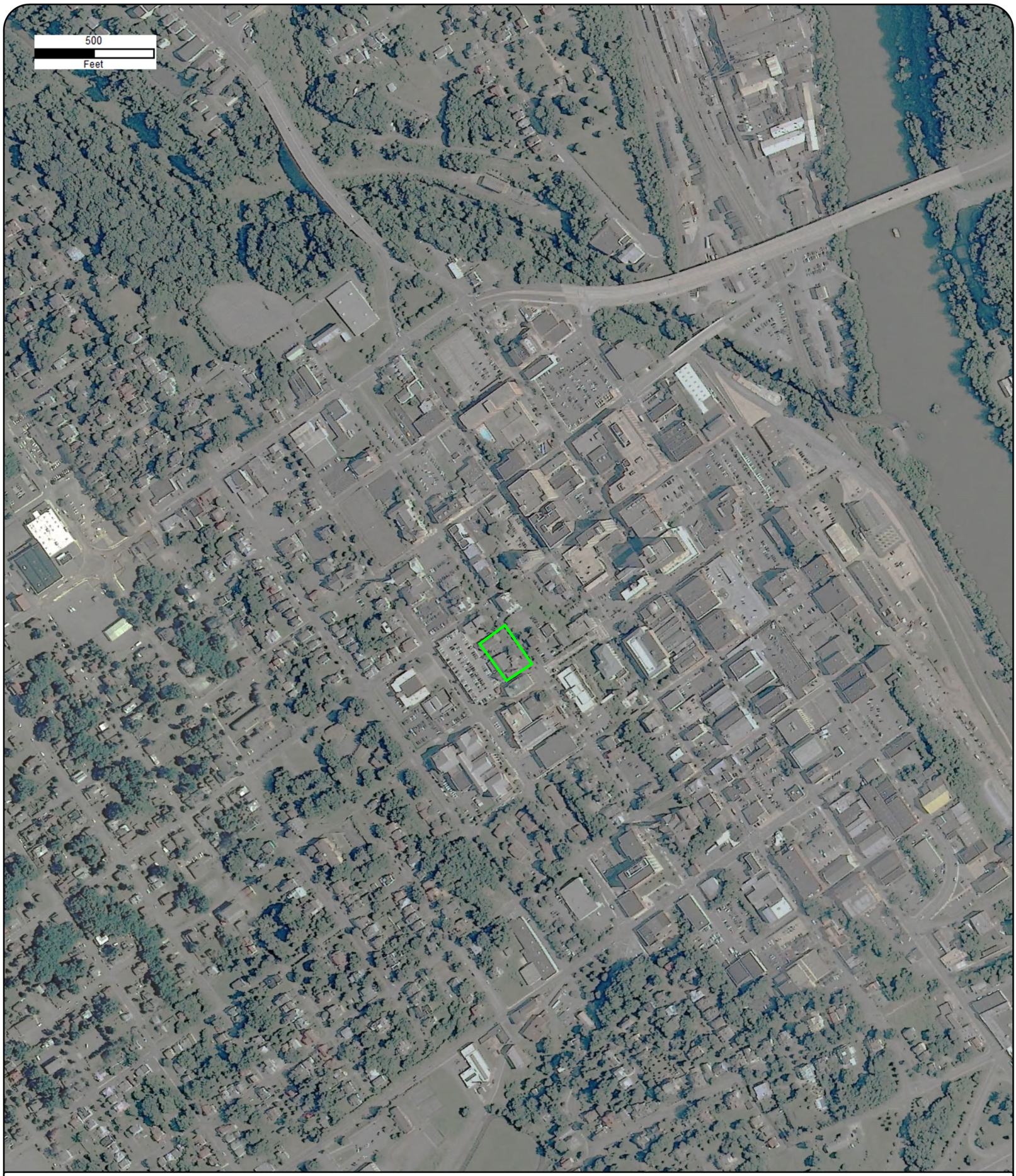
Order No: 24031200056



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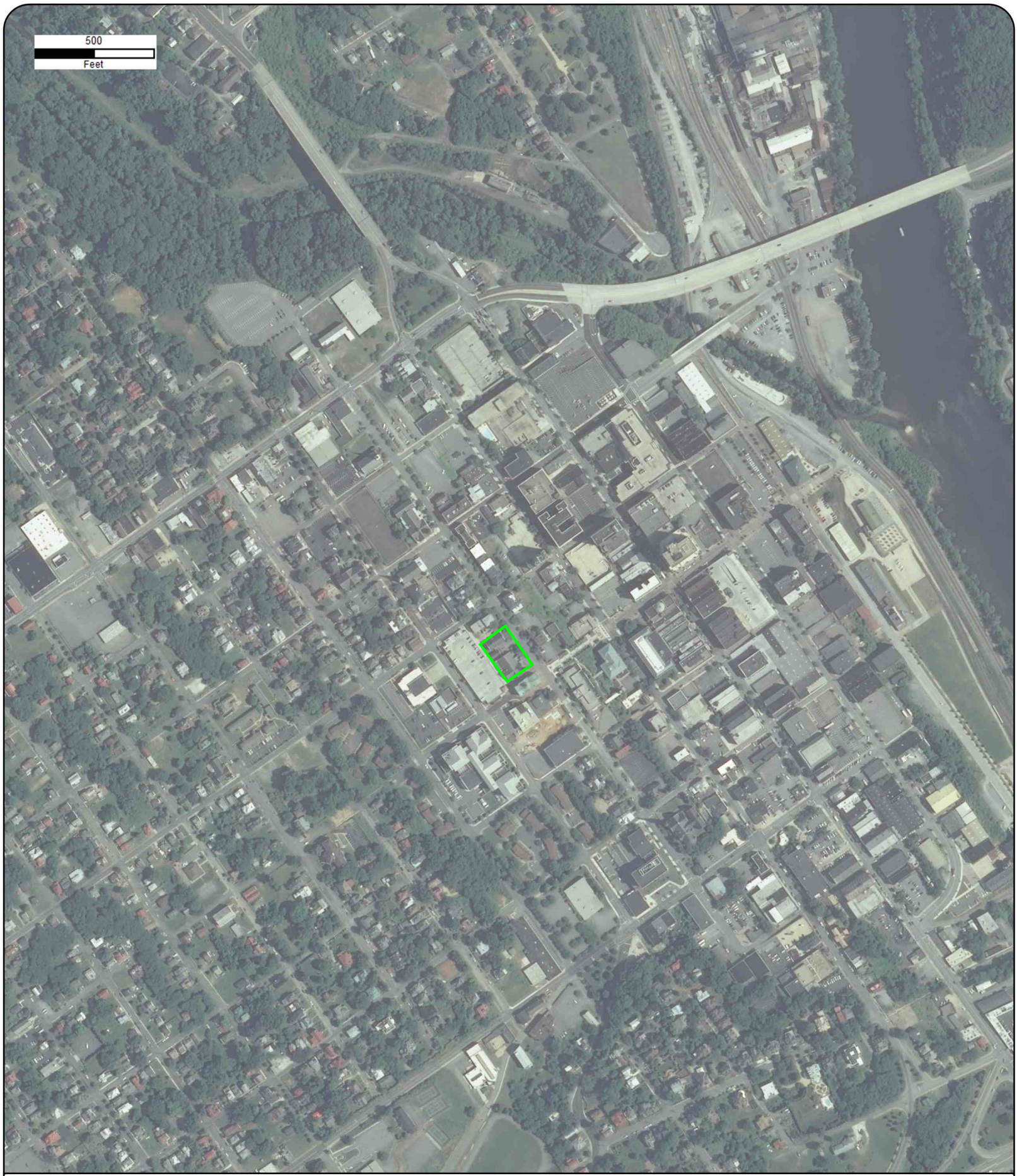
Order No: 24031200056



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Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

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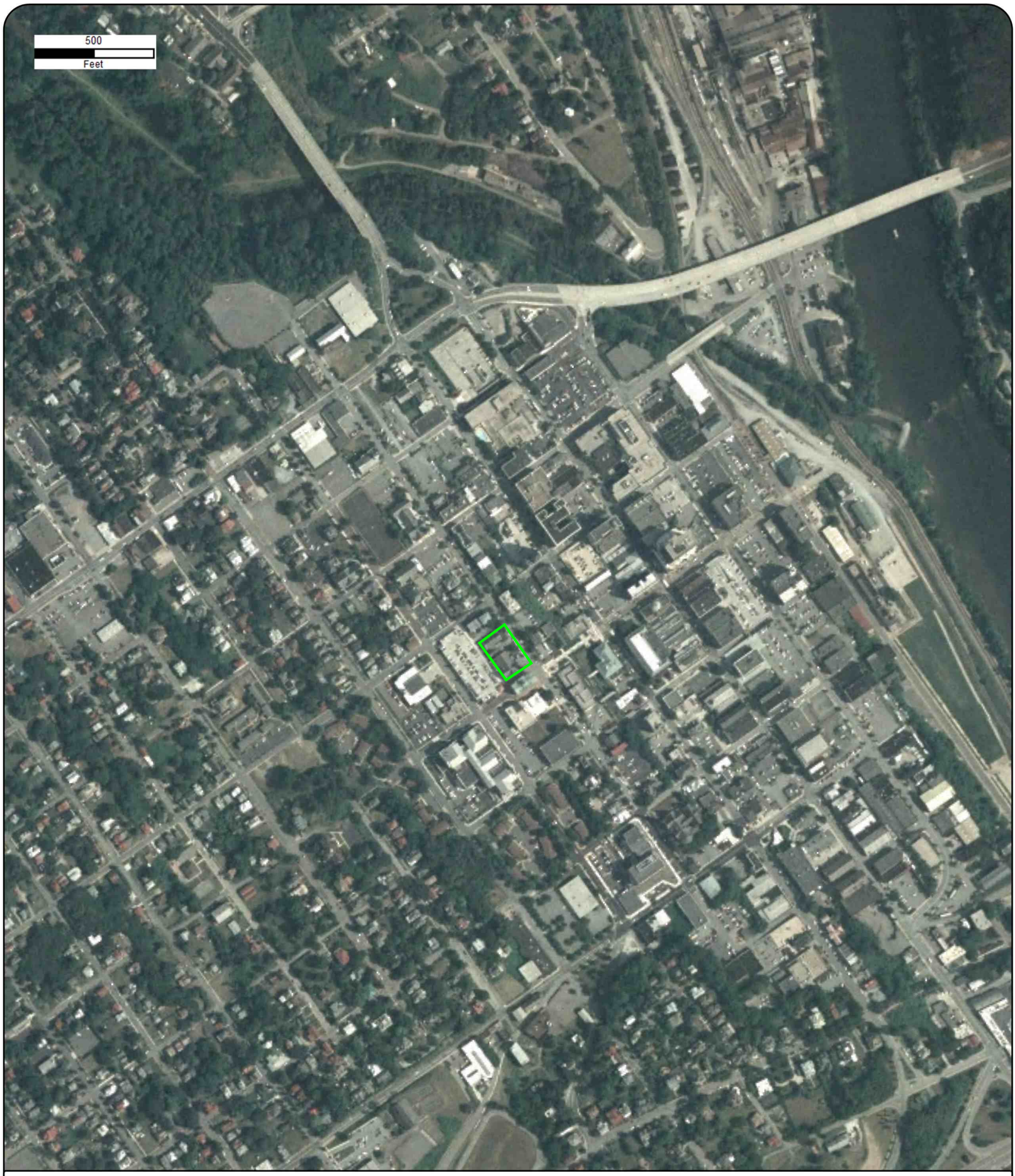
Approx Center: -79.14469985,37.41401471

Order No: 24031200056



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Source: USDA
Scale: 1" = 500'
Comment:

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Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1991
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1982
Source: USGS
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1977
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1968
Source: USGS
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1962
Source: USGS
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1957
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1947
Source: USGS
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

Year: 1937
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 805 Court Street, Lynchburg, VA
Approx Center: -79.14469985,37.41401471

Order No: 24031200056

FIRE INSURANCE MAPS

Project Property:	West Building 805 Court Street Lynchburg VA 24504
Project No:	B12188B-10HM / Phase 03 / Task 05
Requested By:	TRC Environmental Corporation
Order No:	24031200056
Date Completed:	March 14, 2024

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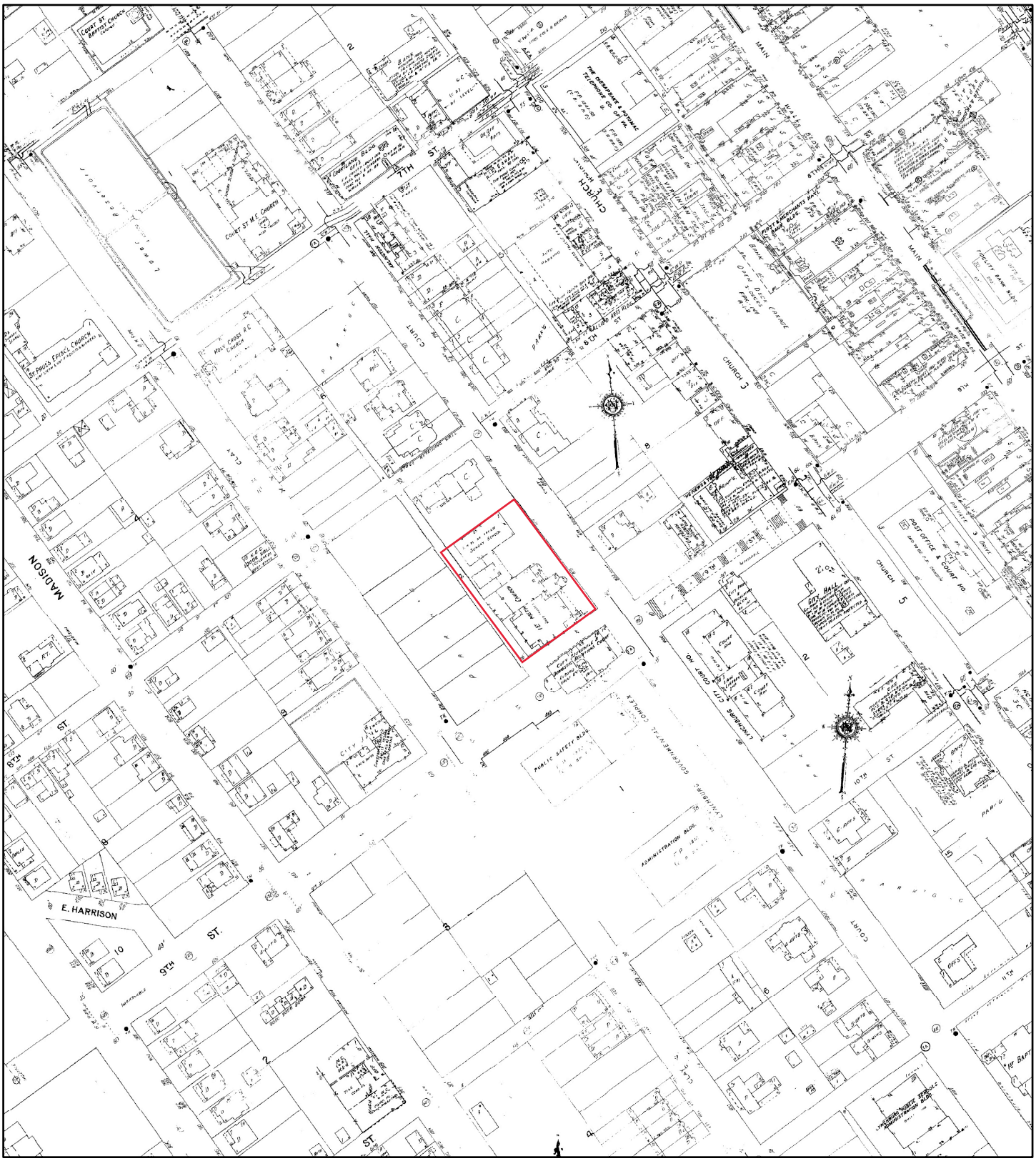
Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjuction with your ERIS report.

Date	City	State	Volume	Sheet Number(s)
1973	Lynchburg	Virginia	1	22, 24, 3, 5
1972	Lynchburg	Virginia	1	22, 24, 3, 5
1971	Lynchburg	Virginia	1	22, 24, 3, 5
1967	Lynchburg	Virginia	1	22, 24, 3, 5
1965	Lynchburg	Virginia	1	22, 24, 3, 5
1955	Lynchburg	Virginia	1	22, 24, 3, 5
1951	Lynchburg	Virginia		22, 24, 3, 5
1907	Lynchburg	Virginia		22, 24, 3, 5
1902	Lynchburg	Virginia		12, 13, 17, 18, 3, 4
1895	Lynchburg	Virginia		13, 15, 2, 3, 4, 5
1890	Lynchburg	Virginia		14, 2, 3, 5, 9

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

Fire Insurance Map



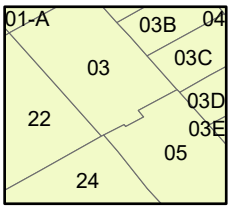
1973

Address: 805 Court Street Lynchburg VA 24504

N

0 90 180 360 540 720

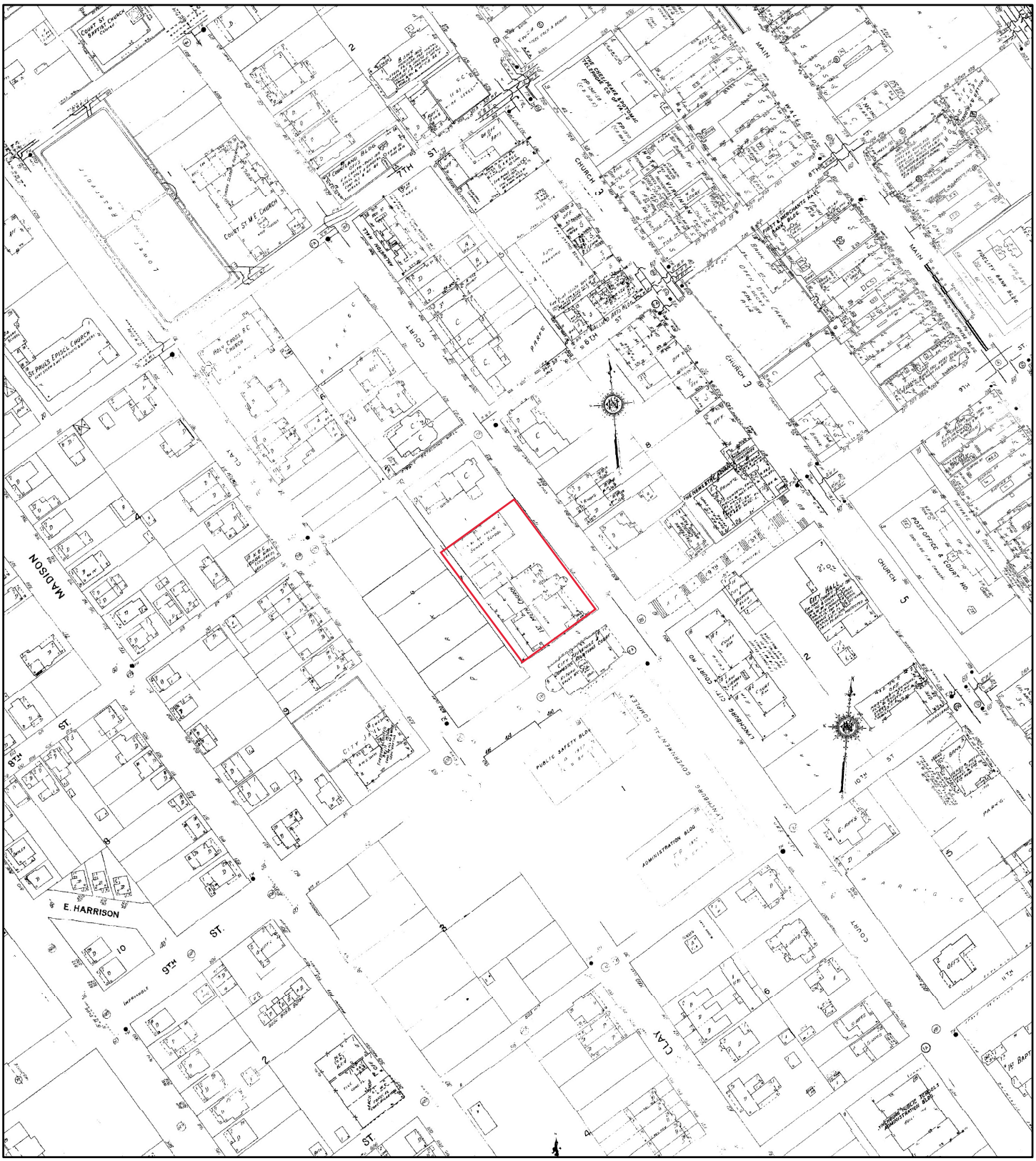
Feet



Map sheet(s):
Volume 1: 22,24,3,5;

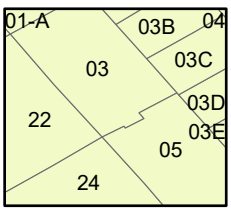
Order Number 24031200056

Fire Insurance Map



1972

Address: 805 Court Street Lynchburg VA 24504



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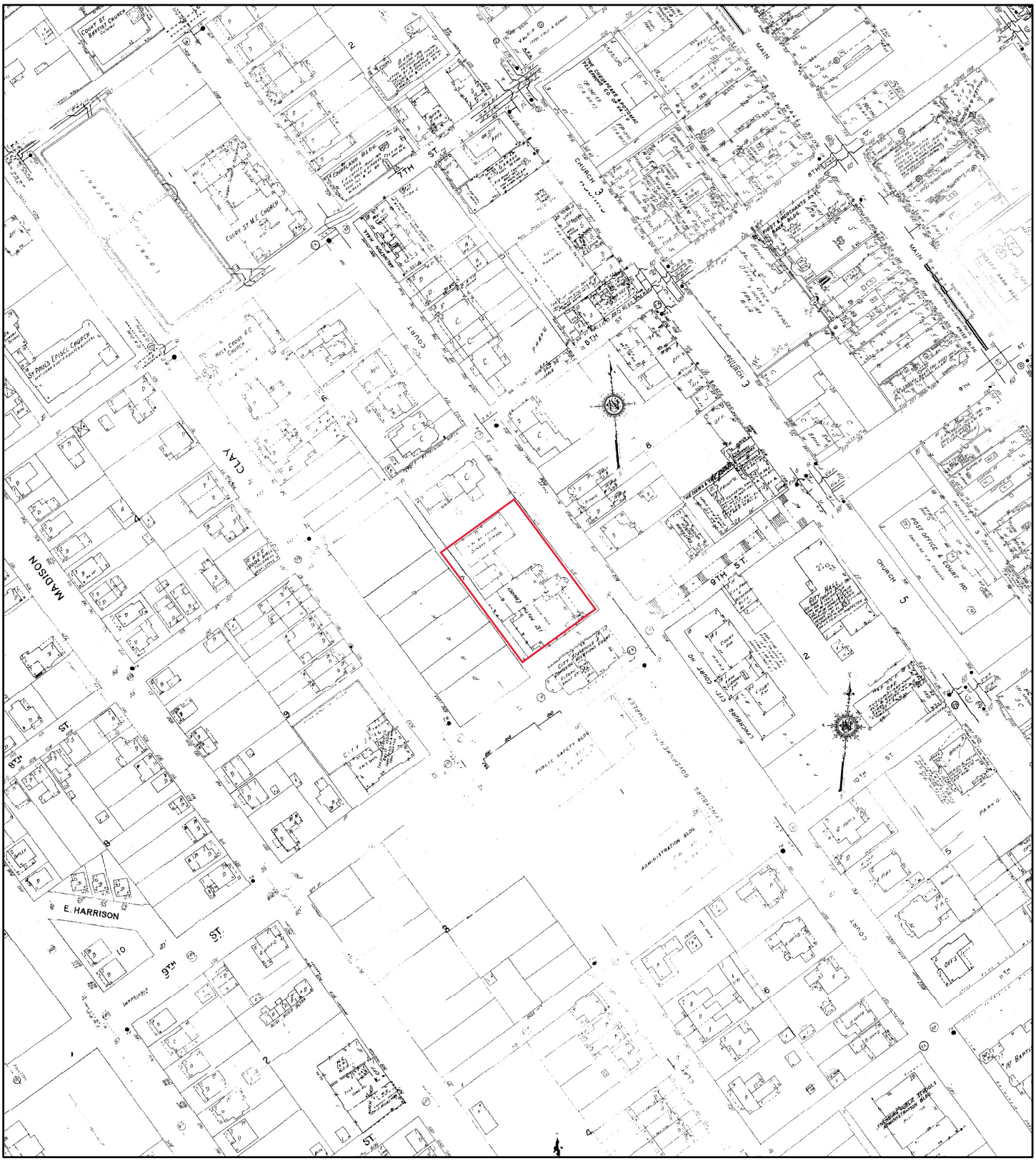
Feet

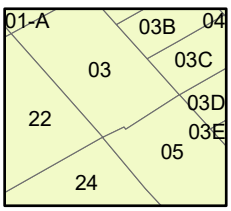
Order Number 24031200056

Fire Insurance Map



1971

Address: 805 Court Street Lynchburg VA 24504



Map sheet(s):
Volume 1: 22,24,3,5;

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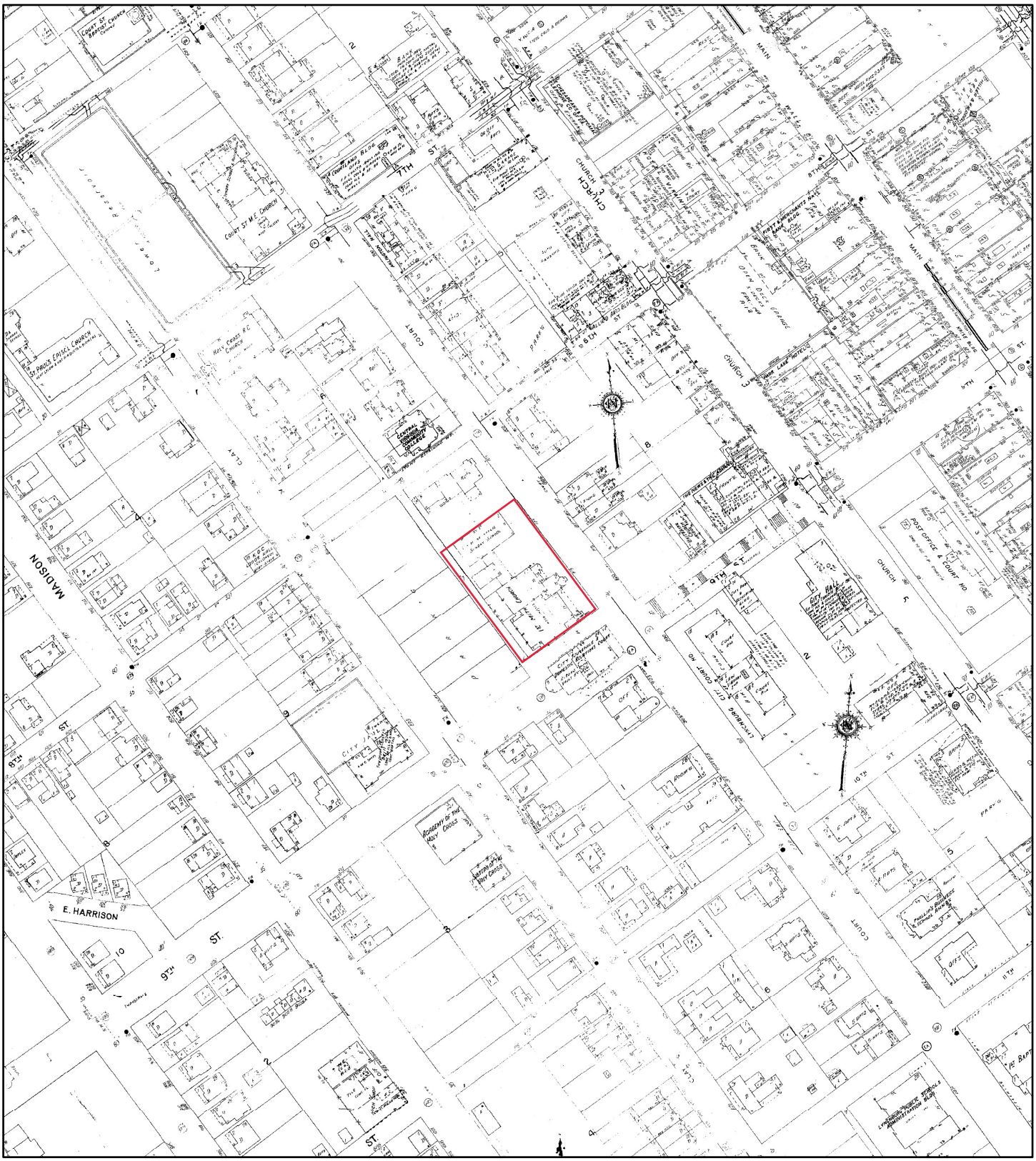
Feet

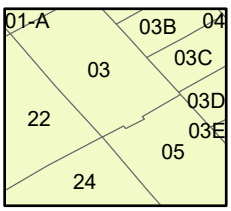
Order Number 24031200056

Fire Insurance Map



1967

Address: 805 Court Street Lynchburg VA 24504



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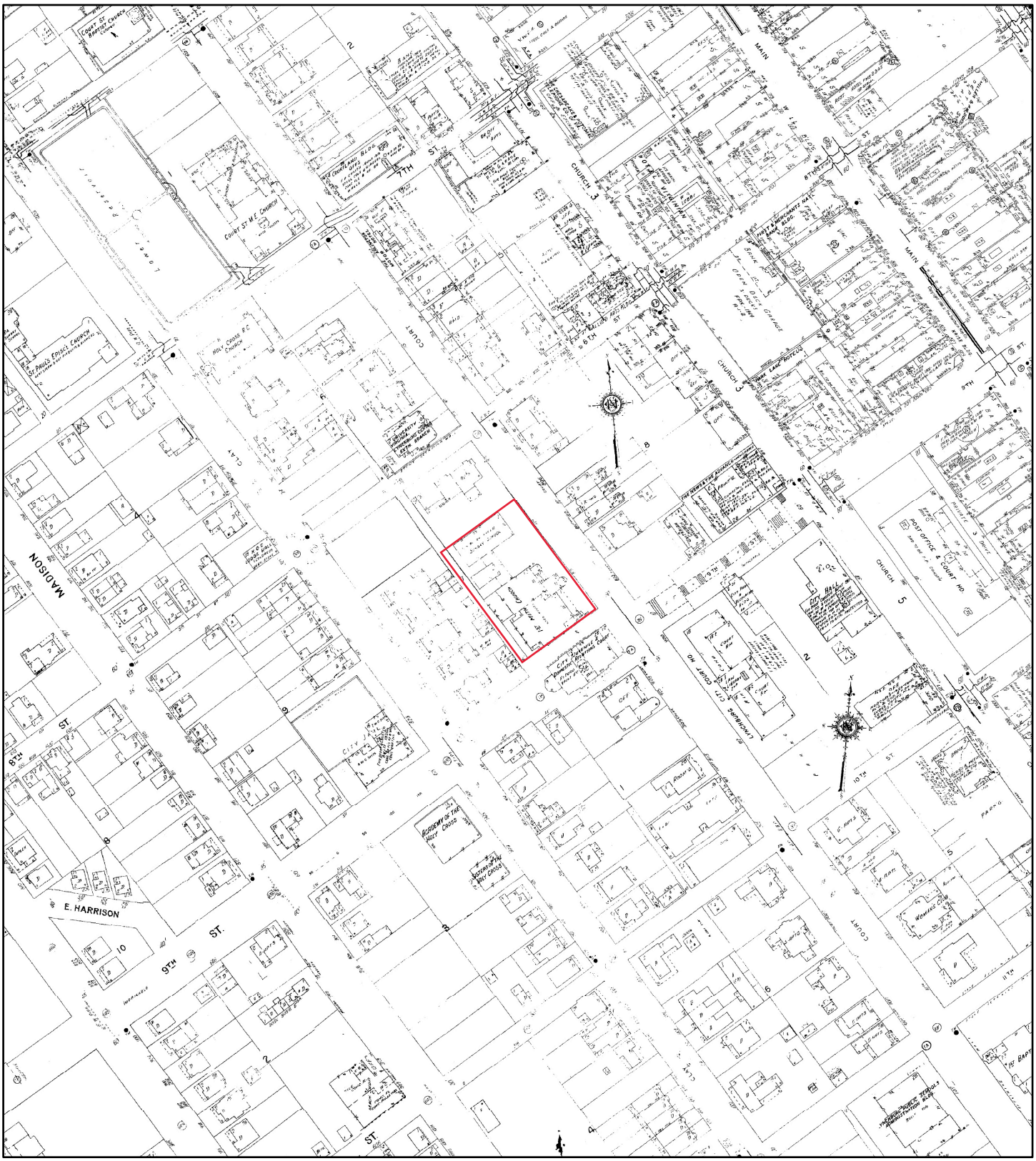
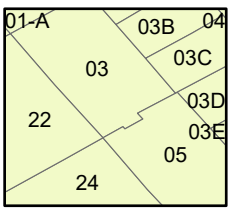
Order Number 24031200056

Fire Insurance Map



1965

Address: 805 Court Street Lynchburg VA 24504



Map sheet(s):
Volume 1: 22,24,3,5;

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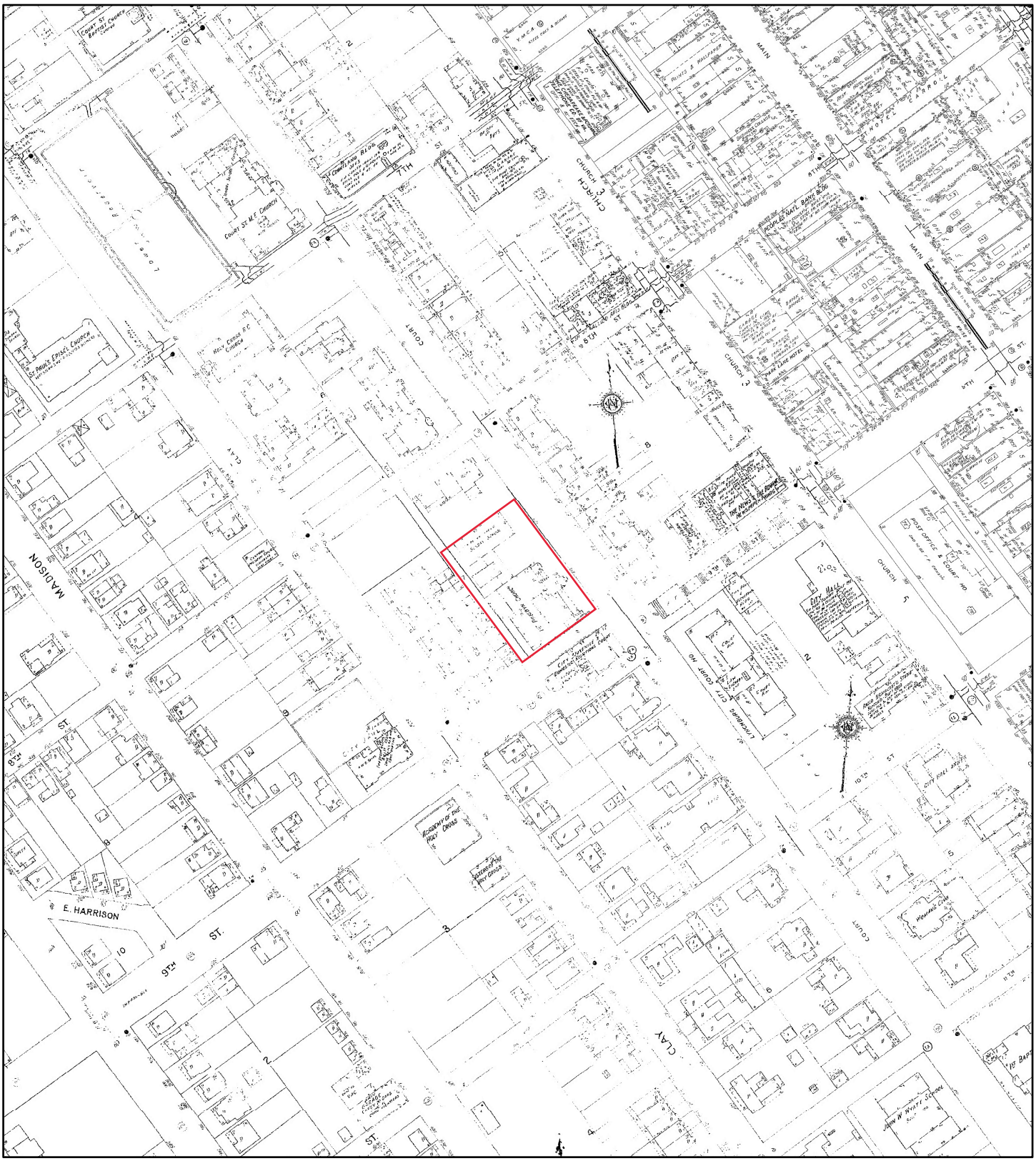
Feet

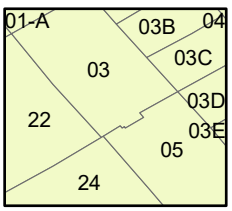
Order Number 24031200056

Fire Insurance Map



1955

Address: 805 Court Street Lynchburg VA 24504



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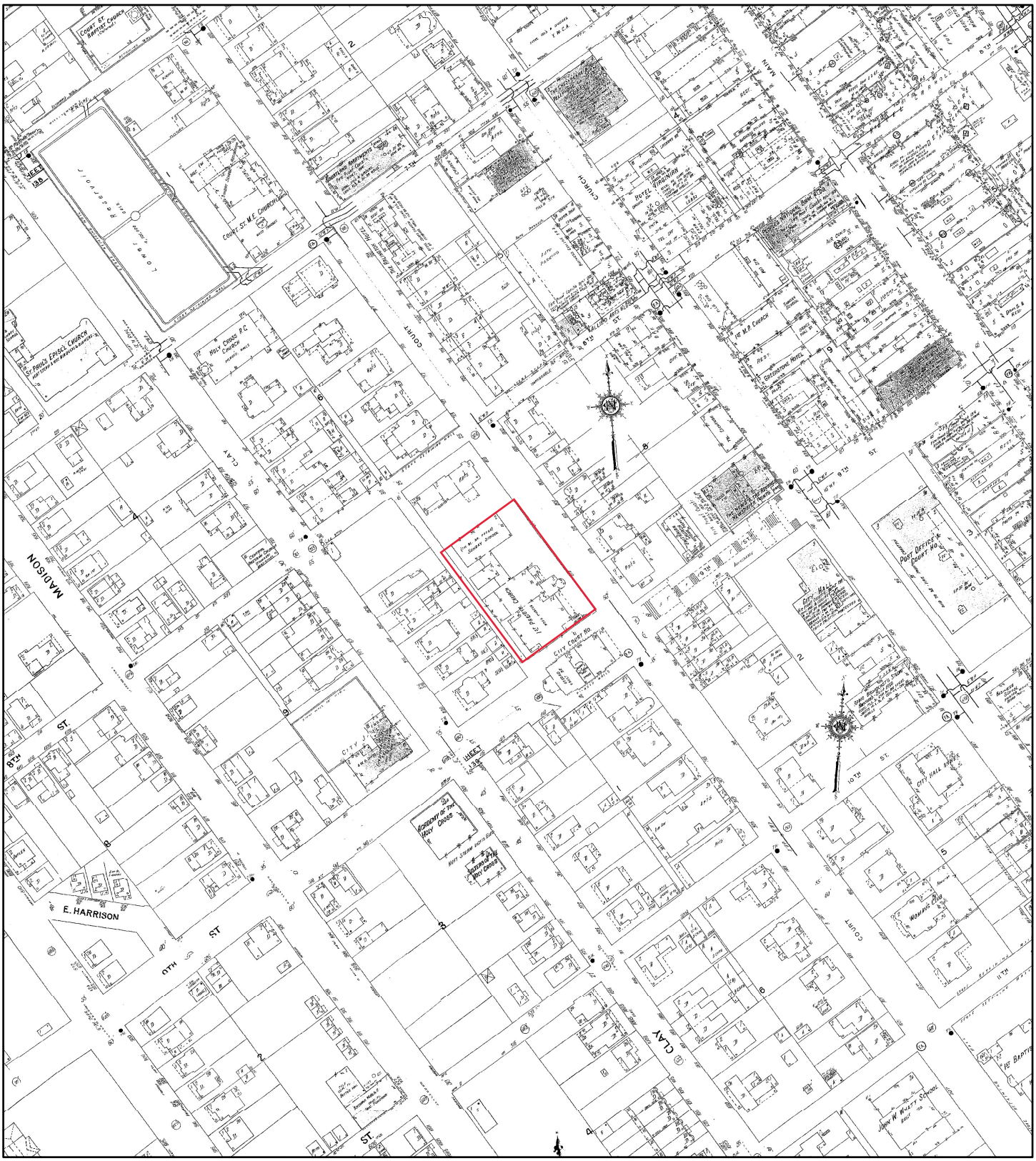
Feet

Order Number 24031200056

Fire Insurance Map



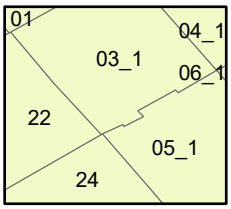
1951

Address: 805 Court Street Lynchburg VA 24504

N

0 90 180 360 540 720

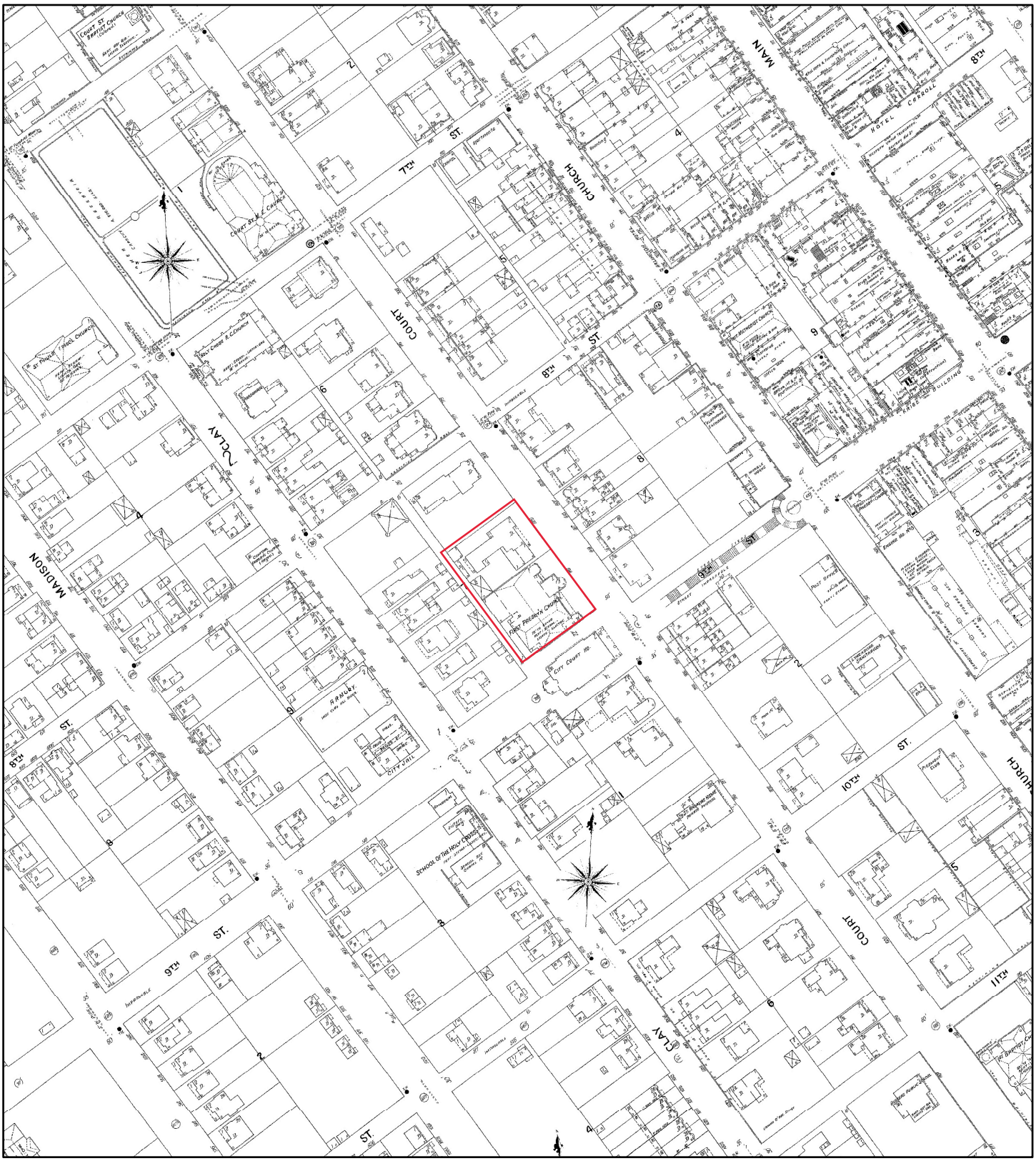
Feet



Map sheet(s):
Volume NA: 22,24,3,5;

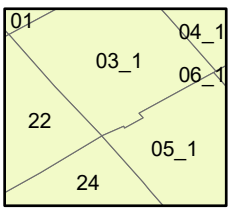
Order Number 24031200056

Fire Insurance Map



1907

Address: 805 Court Street Lynchburg VA 24504



Map sheet(s):
Volume NA: 22,24,3,5;

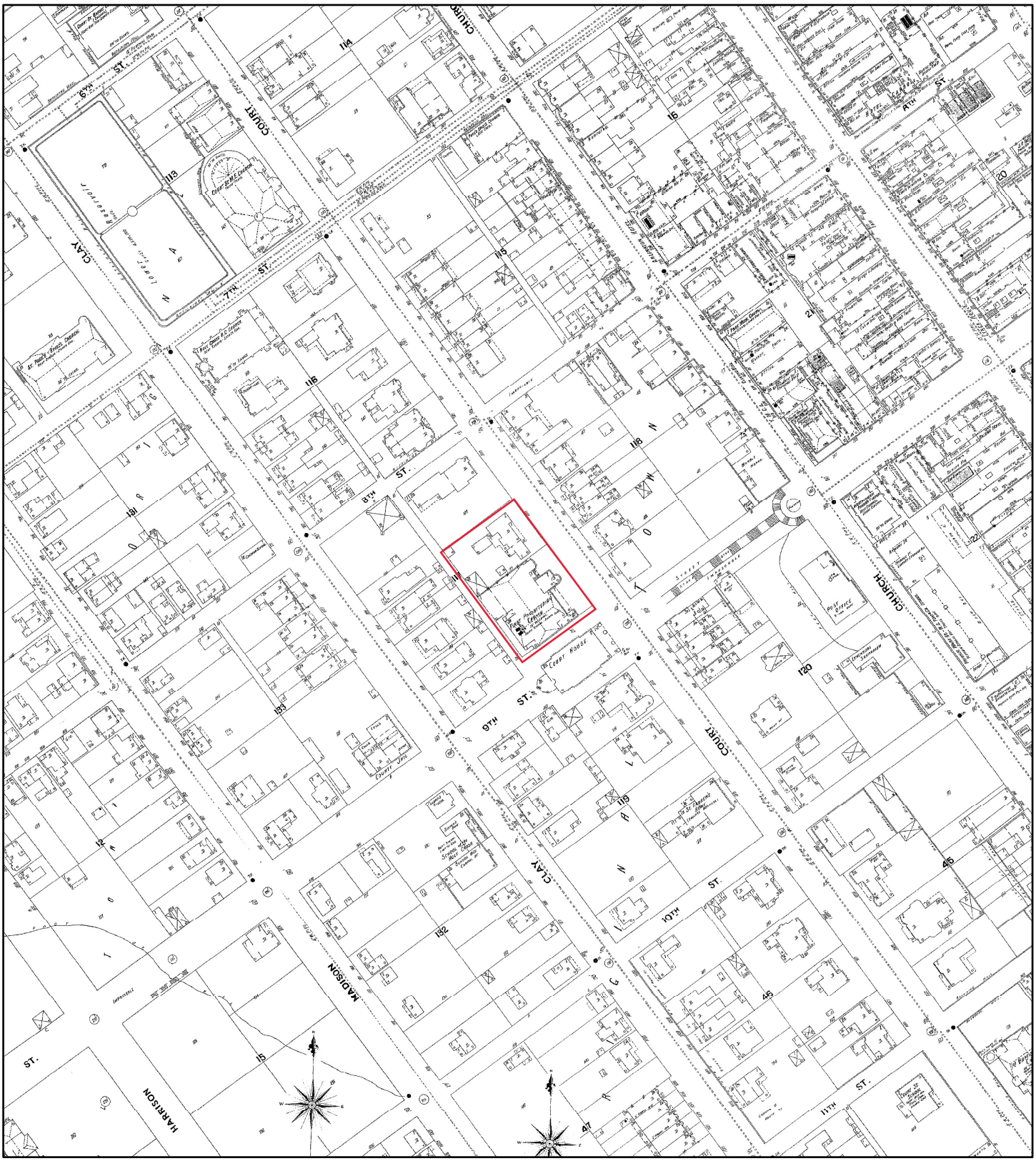
N

0 90 180 360 540 720

Feet

Order Number 24031200056

Fire Insurance Map



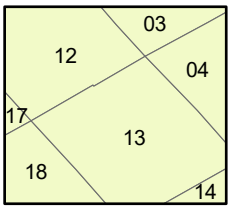
1902

Address: 805 Court Street Lynchburg VA 24504

N

0 90 180 360 540 720

Feet

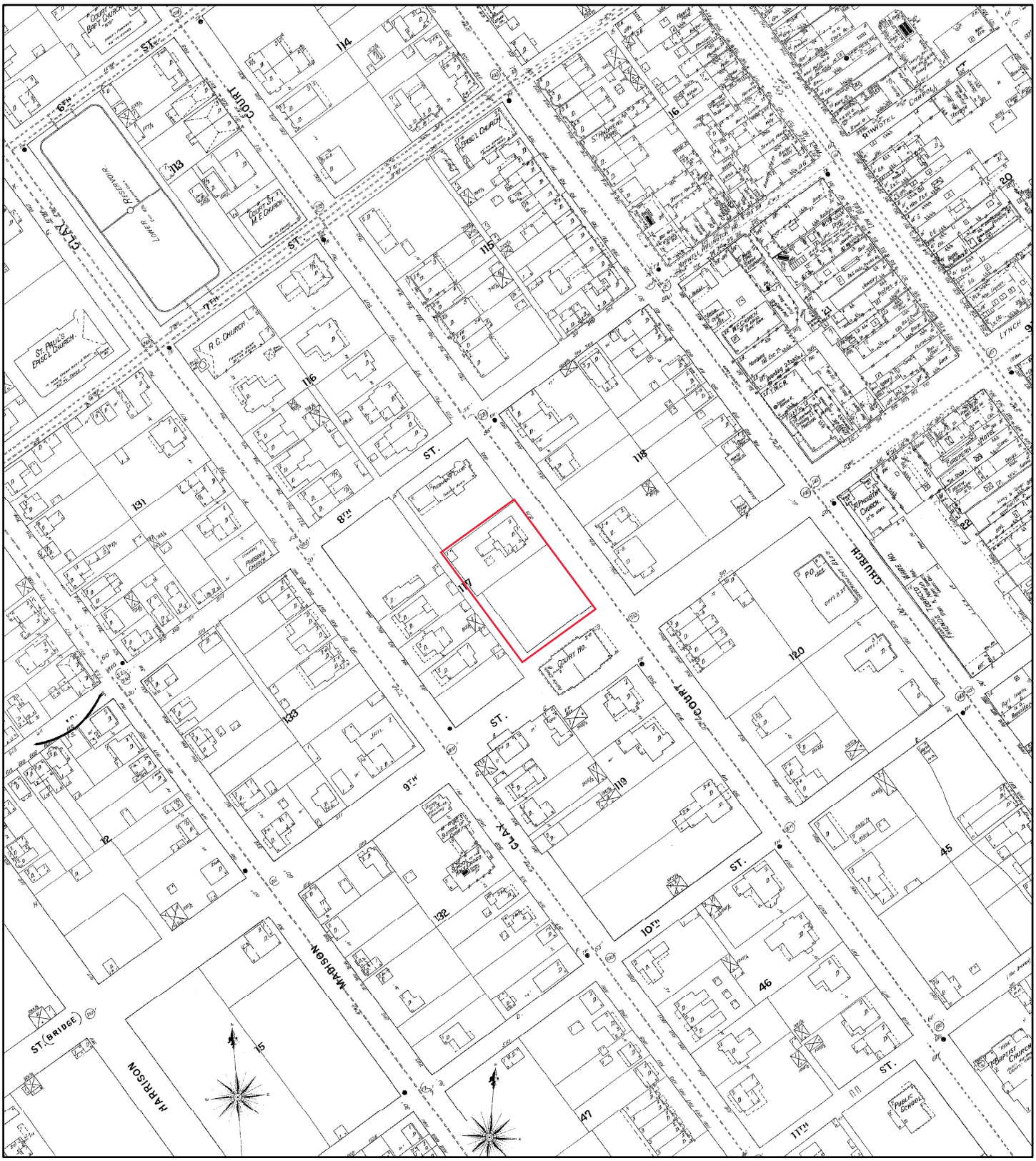


Map sheet(s):
Volume NA: 12,13,17,18,3,4;

Order Number 24031200056

ERIS

Fire Insurance Map



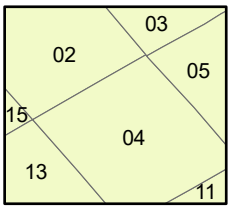
1895

N

0 90 180 360 540 720

Feet

Address: 805 Court Street Lynchburg VA 24504



Map sheet(s):
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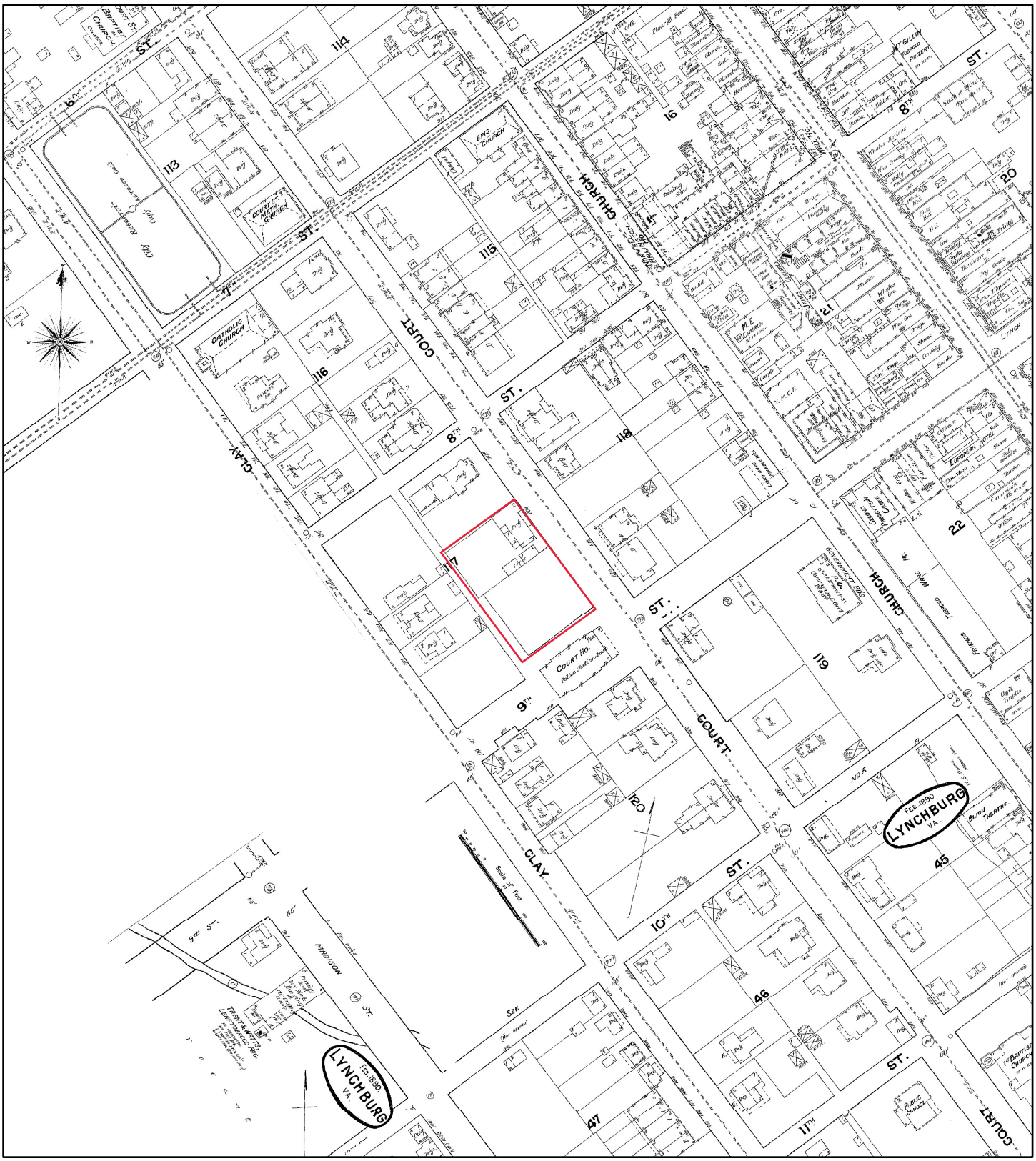
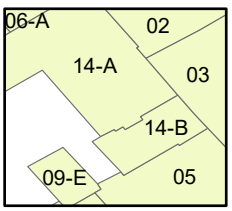
Order Number 24031200056

Fire Insurance Map



1890

Address: 805 Court Street Lynchburg VA 24504



Map sheet(s):
Volume NA: 14,2,3,5,9;

N

0 90 180 360 540 720

Feet

Order Number 24031200056

TOPOGRAPHIC MAPS

Project Property:	West Building 805 Court Street Lynchburg VA 24504
Project No:	B12188B-10HM / Phase 03 / Task 05
Requested By:	TRC Environmental Corporation
Order No:	24031200056
Date Completed:	March 14, 2024

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2019	7.5
2016	7.5
1984	7.5
1978	7.5
1977	7.5
1968	7.5
1963	7.5
1950	15
1944	15

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

Page 130 of 1928 Topographic Instructions

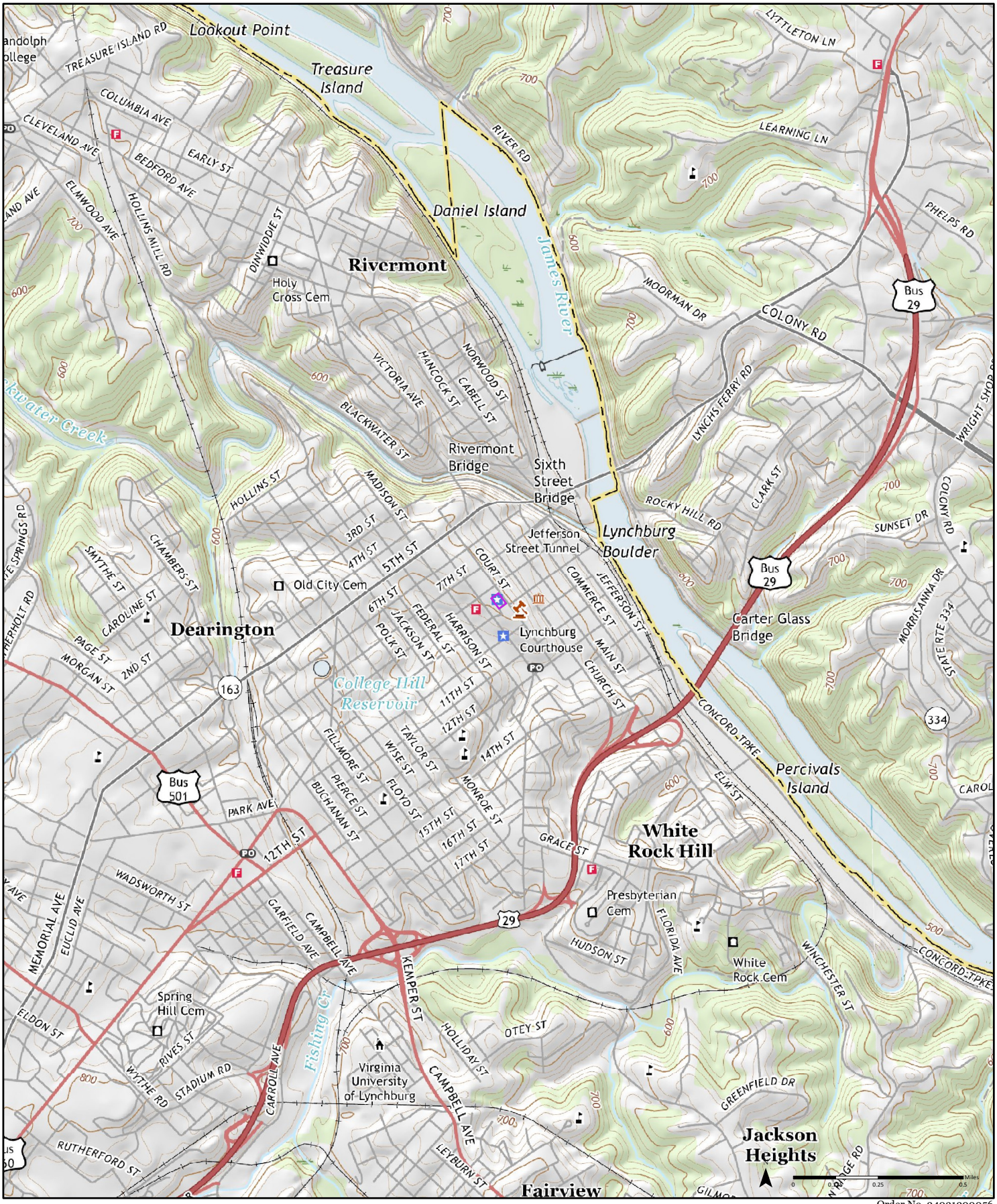
1947-2009

Topographic Map Symbols

2009-present

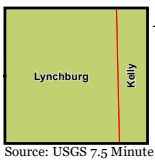
US Topo Map Symbols

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.



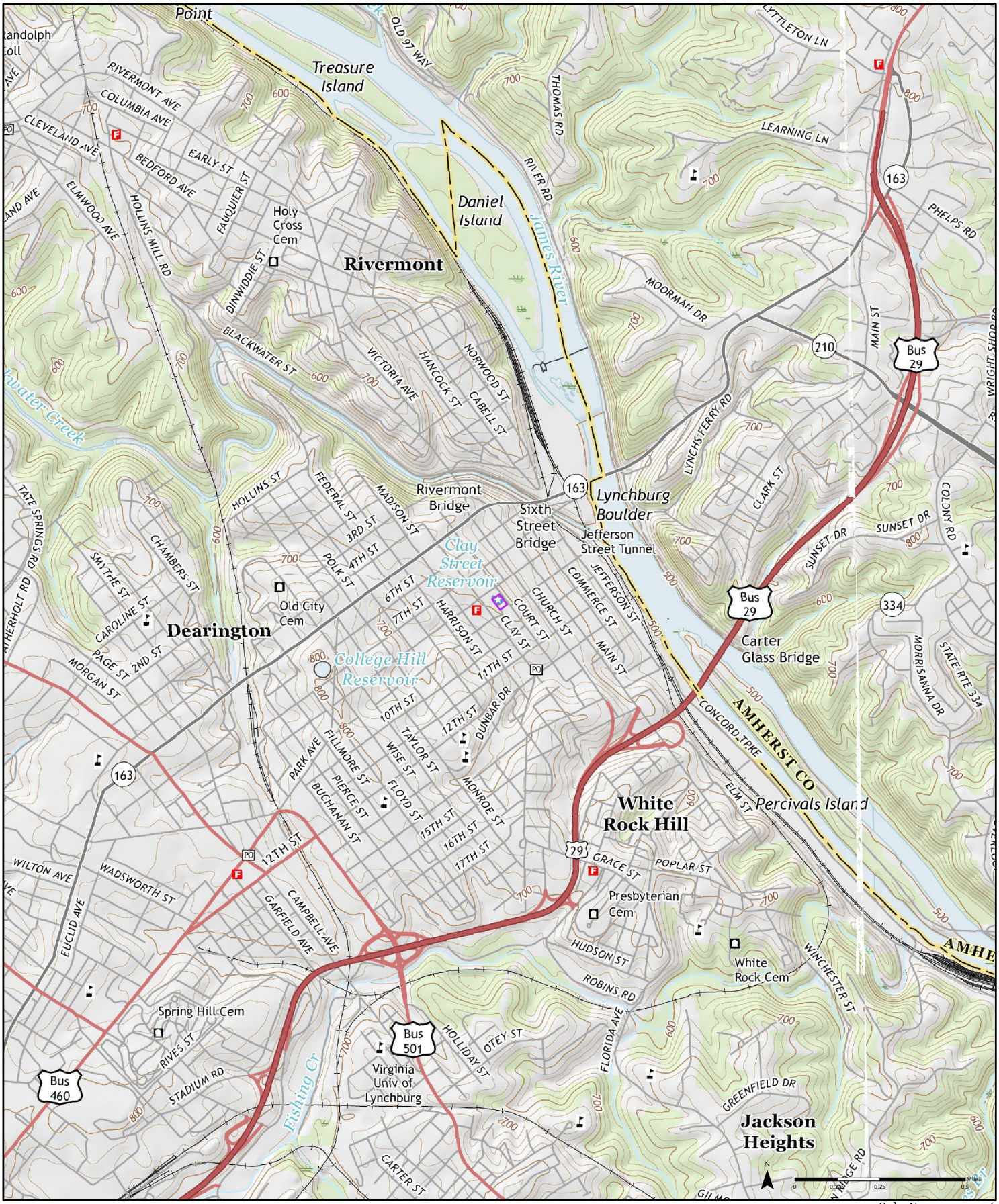
Order No. 24031200056

2019



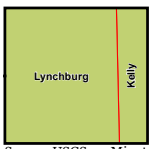
Available Quadrangle(s): Lynchburg, VA
Kelly, VA

Source: USGS 7.5 Minute Topographic Map



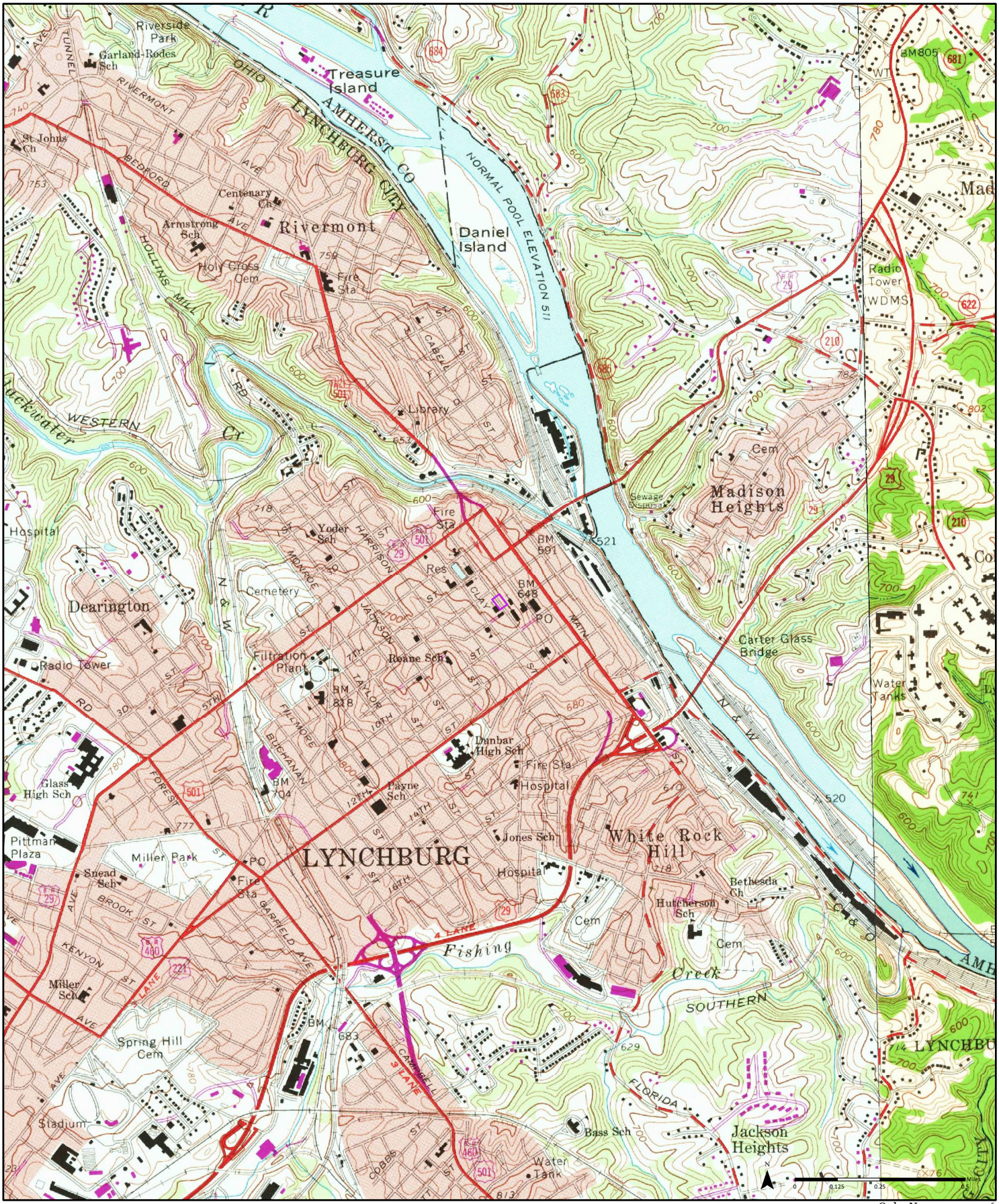
Order No. 24031200056

2016



Available Quadrangle(s): Lynchburg, VA
Kelly, VA

Source: USGS 7.5 Minute Topographic Map

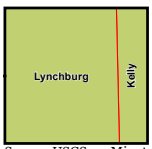


1984

(1-1963) *Aerial Photo Year: 1962*

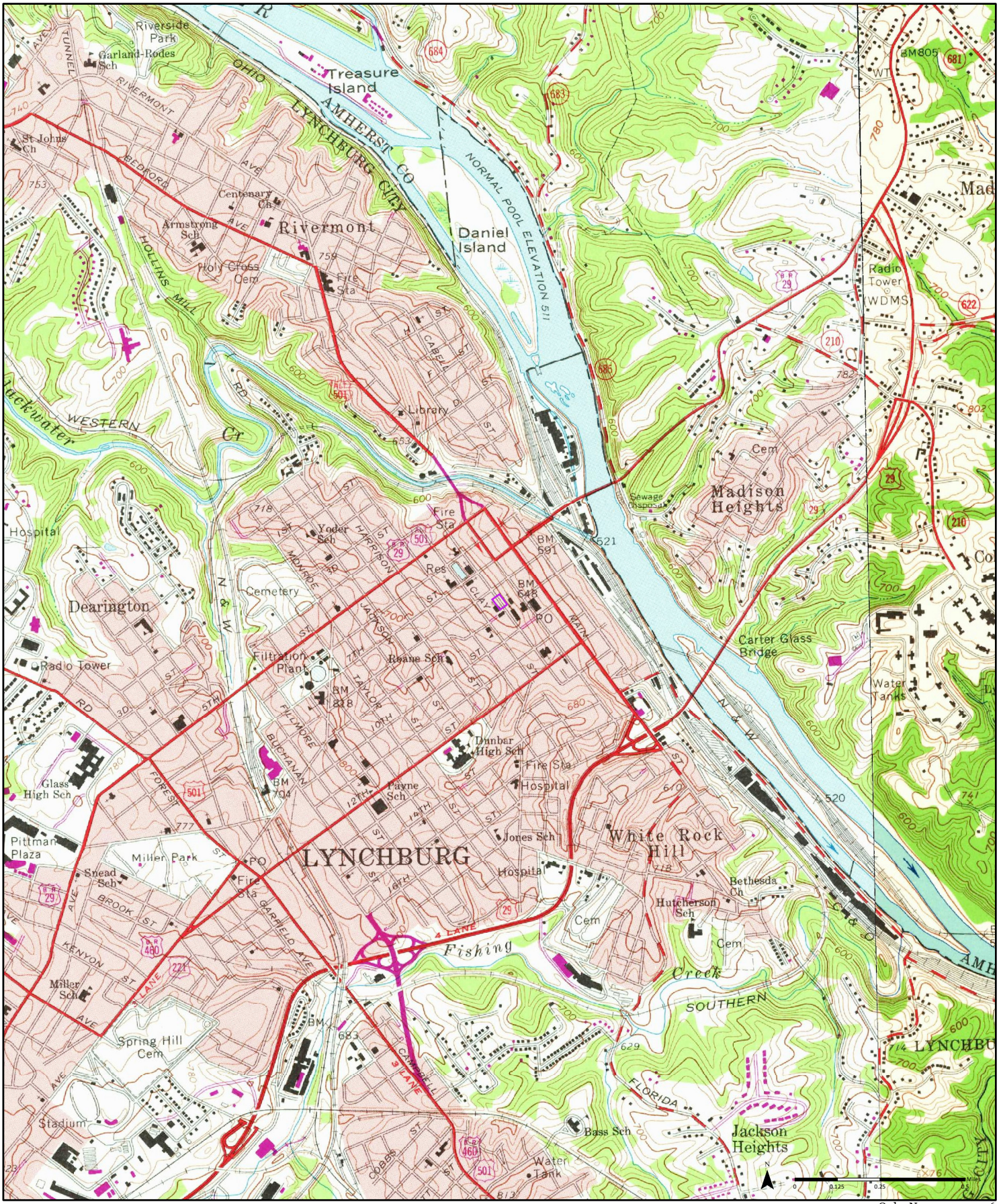
(2-1984) *Aerial Photo Year: 1982*
Photo Revision Year: 1984

Order No. 24031200056



Available Quadrangle(s): Lynchburg, VA(2-1984)
Kelly, VA(1-1963)

Source: USGS 7.5 Minute Topographic Map

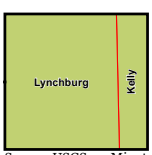


Order No. 24031200056

1978

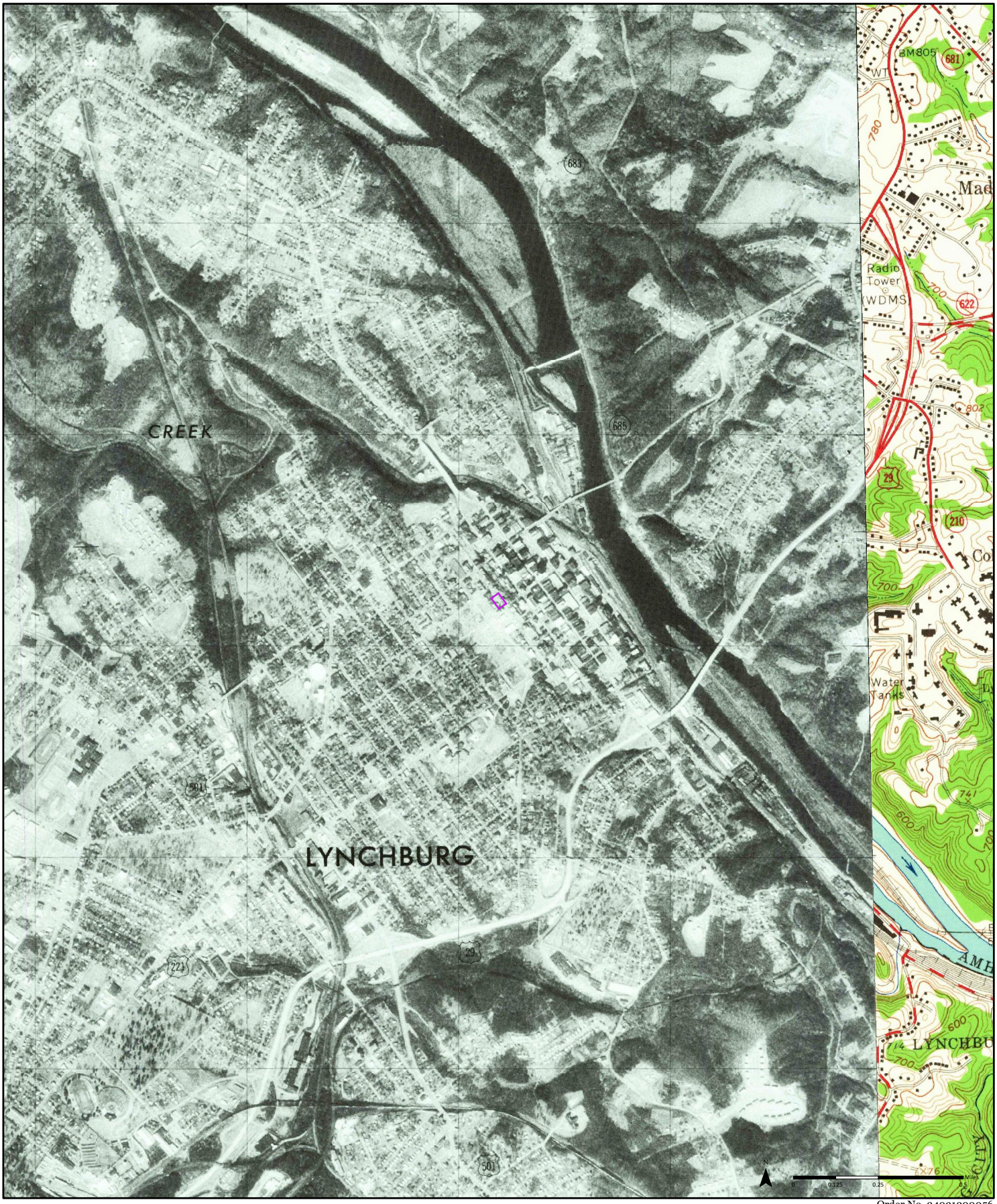
(1-1978) Aerial Photo Year: 1977
Photo Revision Year: 1978

(2-1963) Aerial Photo Year: 1962



Available Quadrangle(s): Lynchburg, VA(1-1978)
Kelly, VA(2-1963)

Source: USGS 7.5 Minute Topographic Map

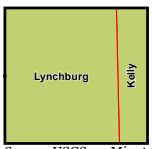


1977

(1-1977) *Aerial Photo Year: 1977*

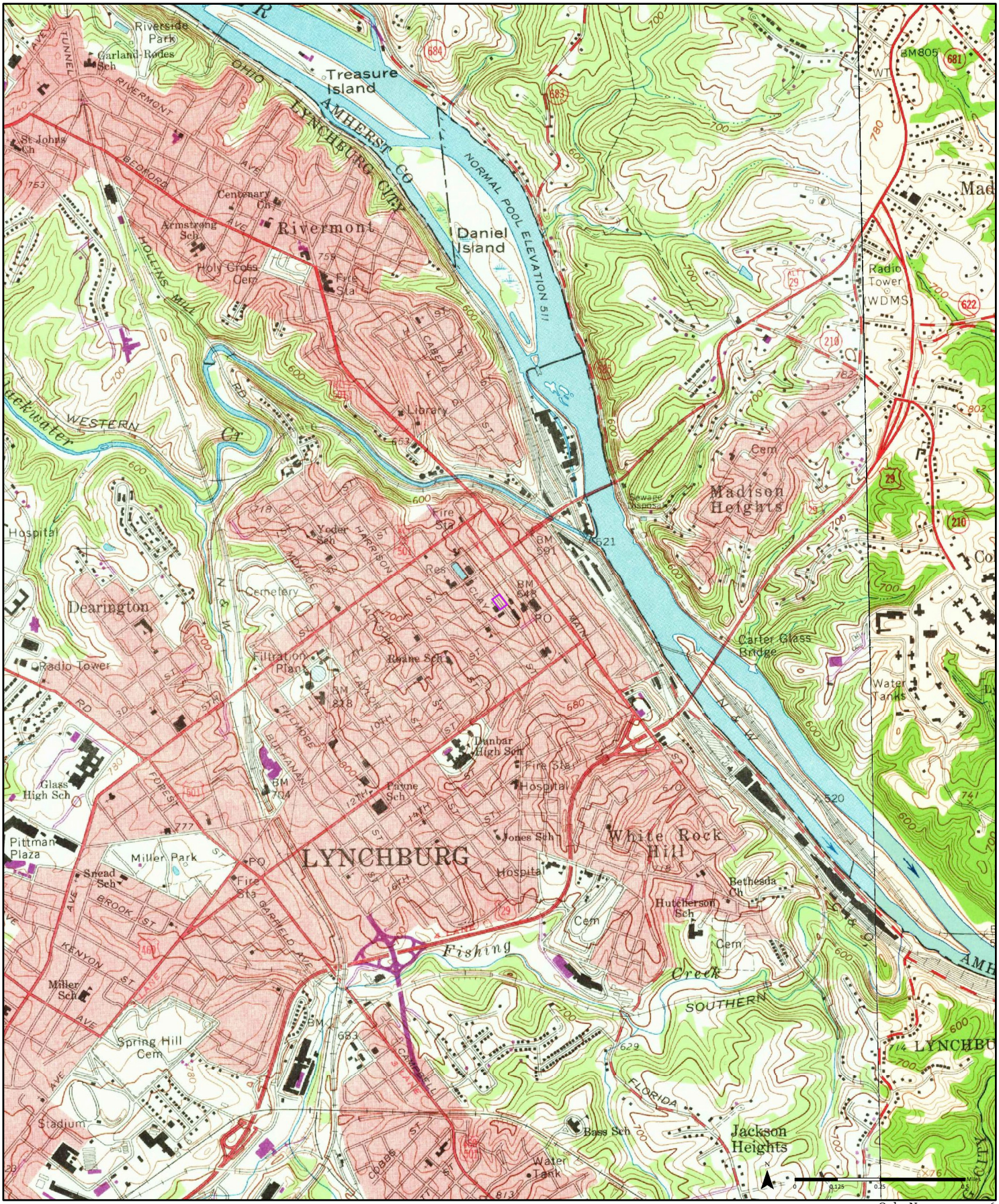
(2-1963) *Aerial Photo Year: 1962*

Order No. 24031200056



Available Quadrangle(s): Lynchburg, VA(1-1977)
Kelly, VA(2-1963)

Source: USGS 7.5 Minute Topographic Map

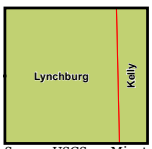


Order No. 24031200056

1968

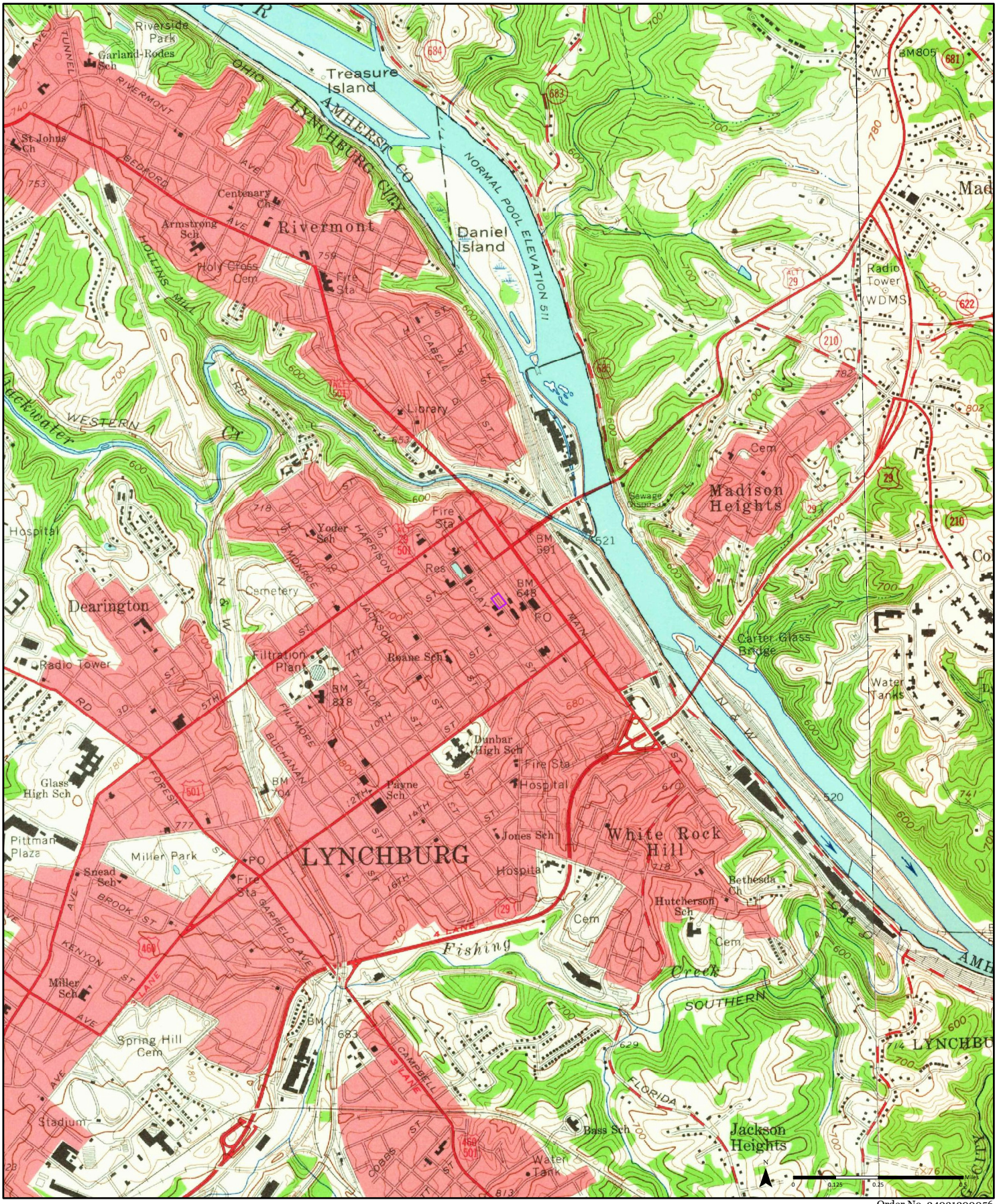
(1-1963) Aerial Photo Year: 1962

(2-1968) Aerial Photo Year: 1968
Photo Revision Year: 1968



Available Quadrangle(s): Lynchburg, VA(2-1968)
Kelly, VA(1-1963)

Source: USGS 7.5 Minute Topographic Map

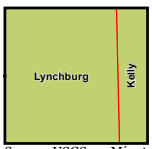


1963

(1-1963) *Aerial Photo Year: 1962*

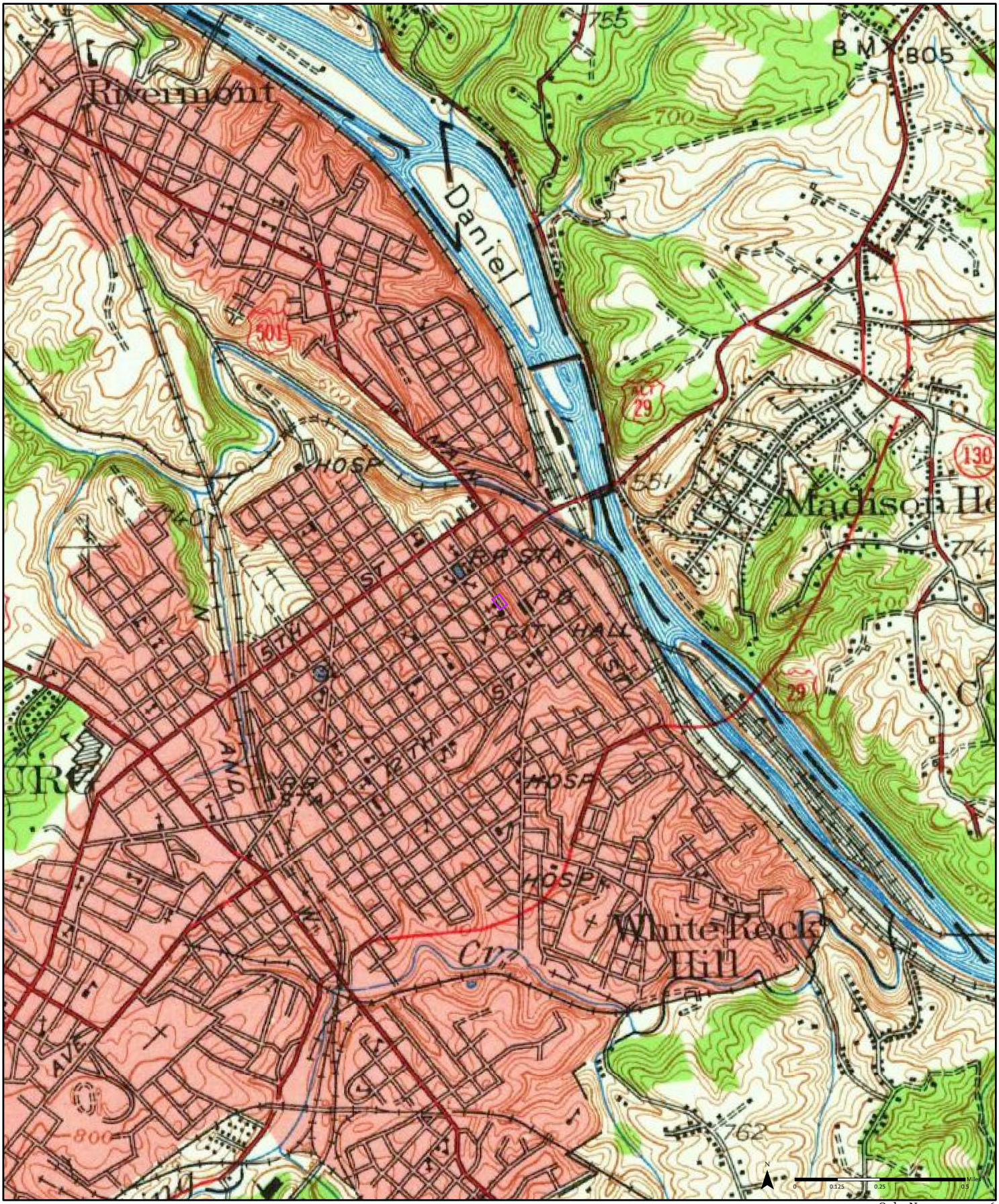
(2-1963) *Aerial Photo Year: 1962*

Order No. 24031200056



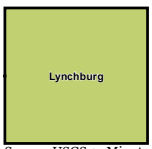
Available Quadrangle(s): Lynchburg, VA(1-1963)
Kelly, VA(2-1963)

Source: USGS 7.5 Minute Topographic Map



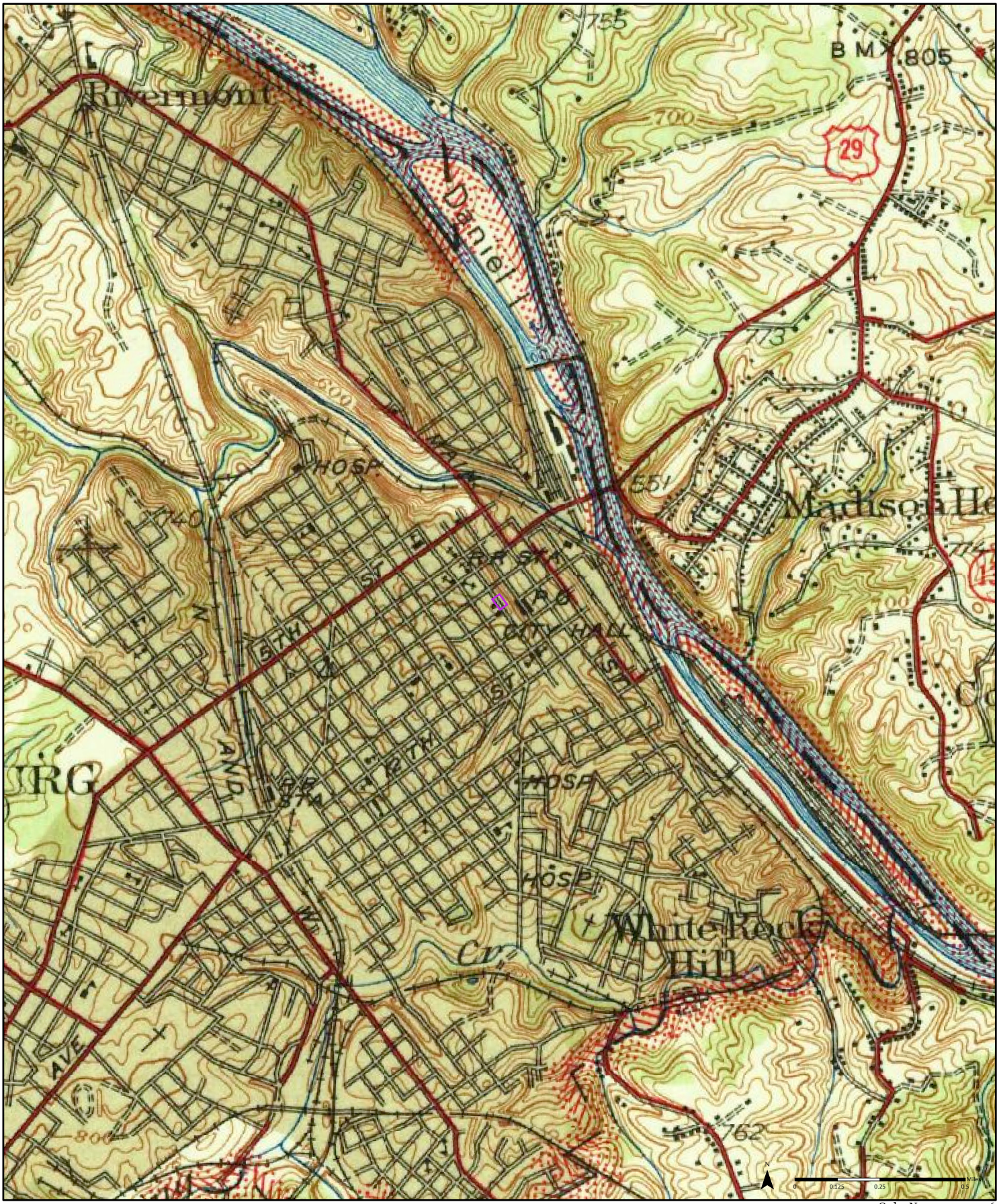
Order No. 24031200056

1950



Available Quadrangle(s): Lynchburg, VA

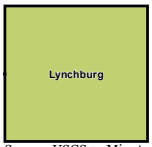
Source: USGS 15 Minute Topographic Map



Order No. 24031200056

1944

Available Quadrangle(s): Lynchburg, VA



Source: USGS 15 Minute Topographic Map

Appendix D:
Other Reference Information

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		24031200056p
Date Completed:		March 14, 2024
Project Number:		B12188B-10HM / Phase 03 / Task 05
Project Property:		West Building 805 Court Street Lynchburg VA 24504
Coordinates:		
	Latitude:	37.41312189
	Longitude:	-79.1441928
	UTM Northing:	4142417.37359 Meters
	UTM Easting:	664185.559874 Meters
	UTM Zone:	UTM Zone 17S
	Elevation:	707.73 ft
	Slope Direction:	S

Topographic Information....2
Hydrologic Information....4
Geologic Information....9
Soil Information....11
Wells and Additional Sources....17
Summary....18
Detail Report....19
Radon Information....23
Appendix....24
Liability Notice....26

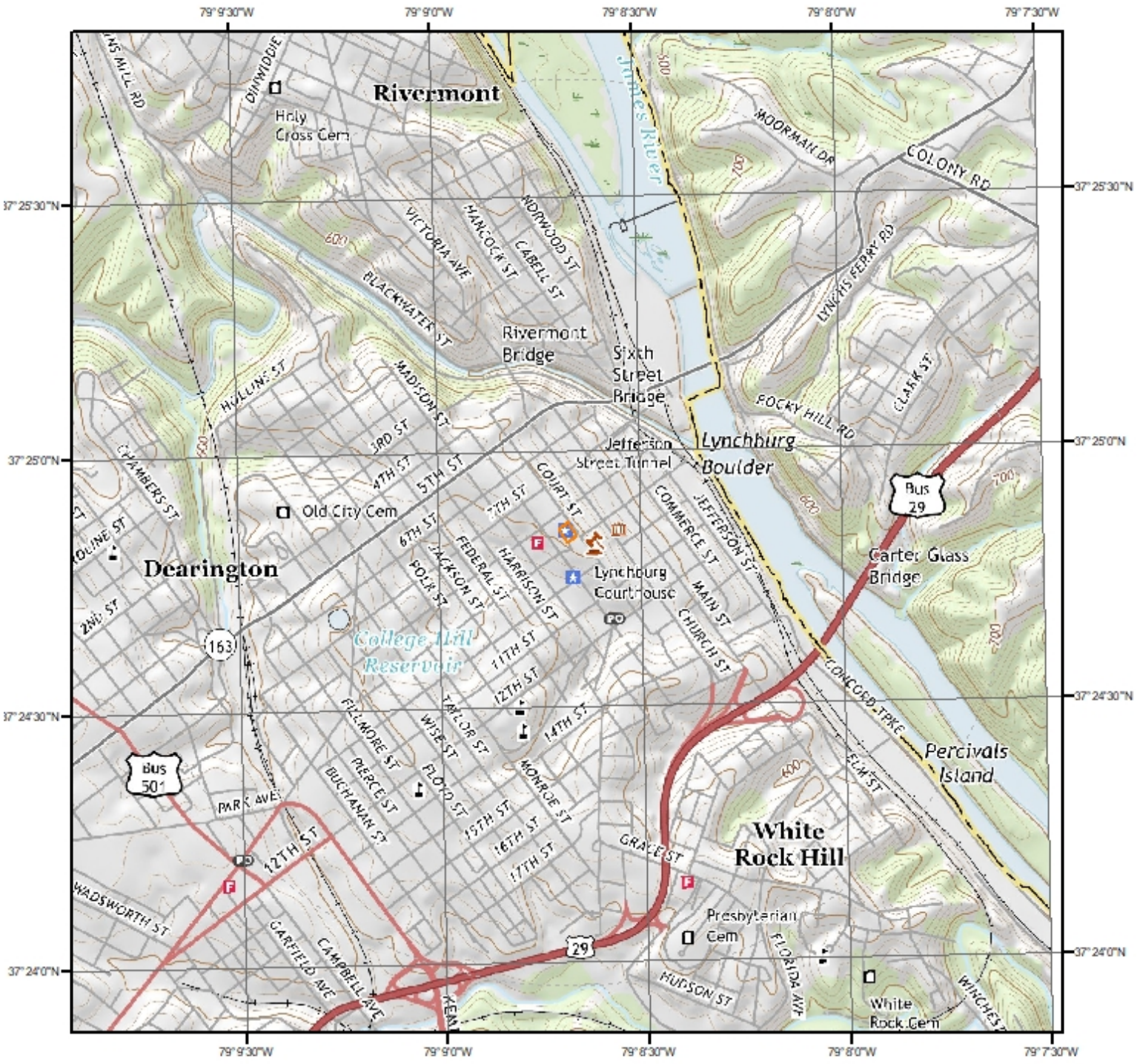
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2019)

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Lynchburg, VA

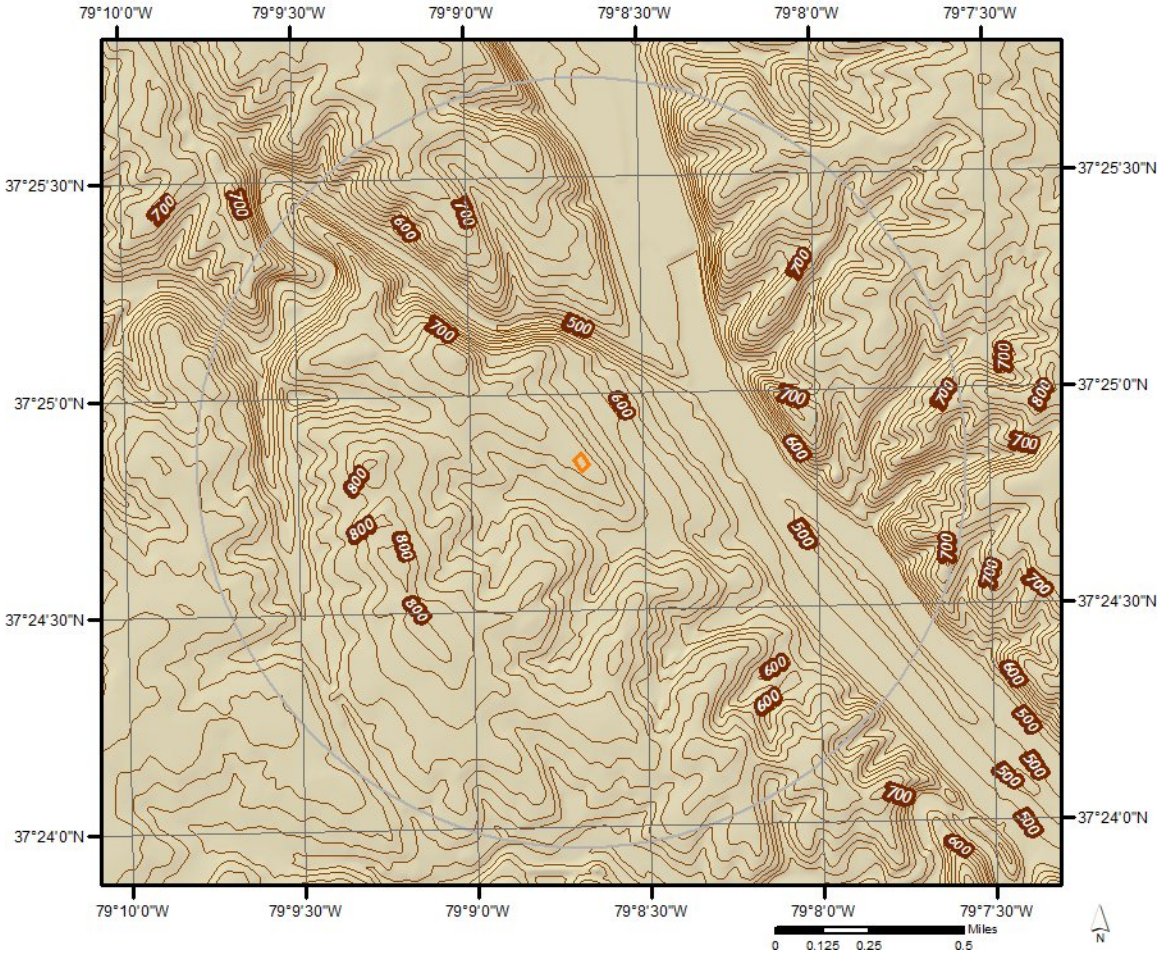
Source: USGS 7.5 Minute Topographic Map

Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	707.73 ft
Slope Direction:	S



Hydrologic Information

Wetland

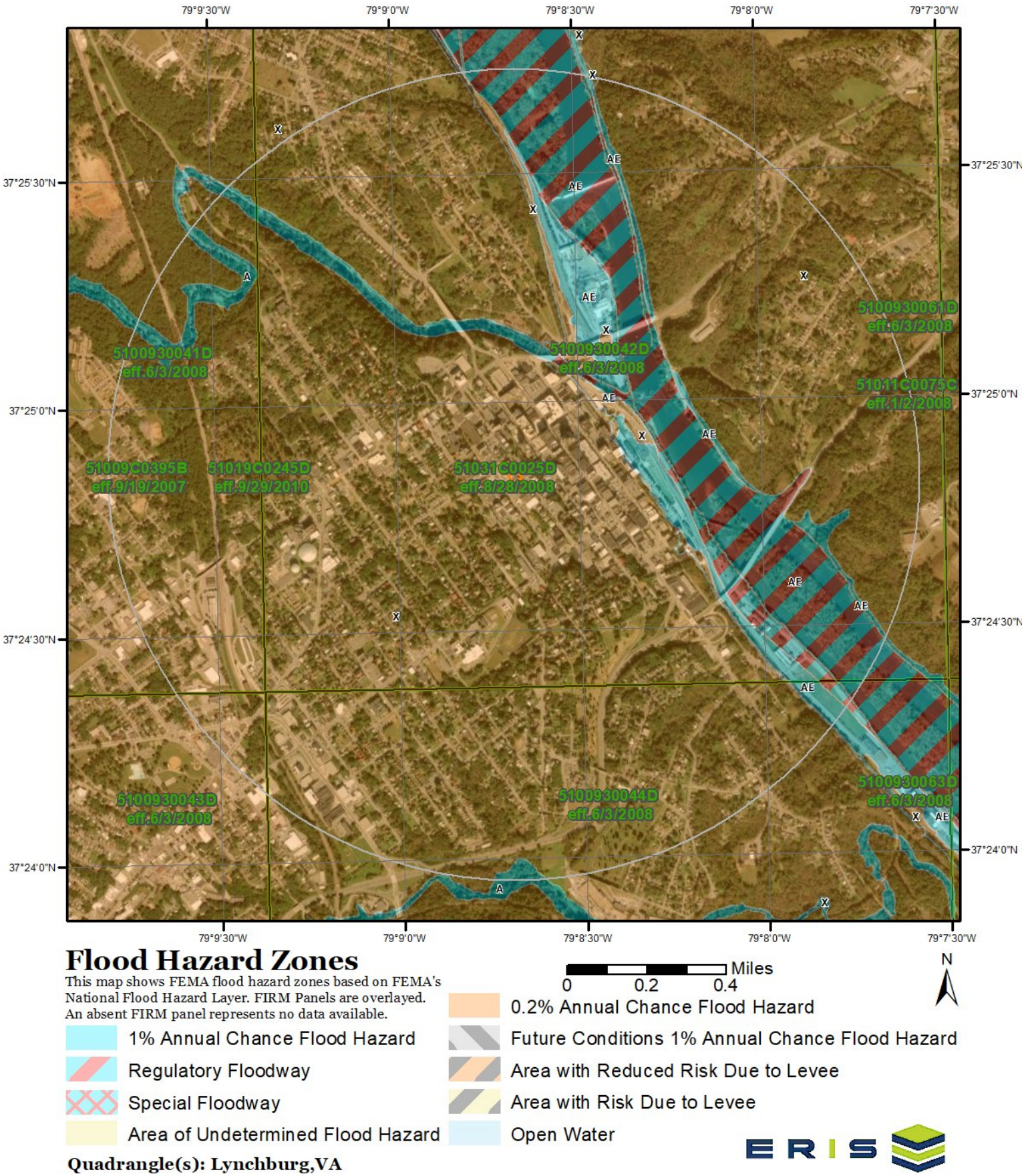
0 0.075 0.15 0.3 Miles

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlayed. An absent FIRM panel represents no data available.

Miles
0 0.2 0.4

N

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s): Lynchburg,VA

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	51031C0025D(effective:2008-08-28) 51019C0245D(effective:2010-09-29) 51009C0395B(effective:2007-09-19) 5100930043D(effective:2008-06-03) 5100930042D(effective:2008-06-03) 5100930041D(effective:2008-06-03) 5100930044D(effective:2008-06-03)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone AE-11

Zone:	AE
Zone subtype:	FLOODWAY

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

FEMA Flood Zone Definitions

Special Flood Hazard Areas – High Risk

Special Flood Hazard Areas represent the area subject to inundation by 1-percent-annual chance flood. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory flood insurance purchase requirements apply in these zones.

ZONE	DESCRIPTION
A	Areas subject to inundation by the 1-percent-annual-chance flood event. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown.
AE, A1-A30	Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)
AH	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.
AO	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually sheet flow on sloping terrain) where average depths are 1–3 feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.
AR	Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection.
A99	Areas subject to inundation by the 1-percent-annual-chance flood event, but which will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may be used only when the flood protection system has reached specified statutory progress toward completion. No BFEs or flood depths are shown.

Coastal High Hazard Areas – High Risk

Coastal High Hazard Areas (CHHA) represent the area subject to inundation by 1-percent-annual chance flood, extending from offshore to the inland limit of a primary front al dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Structures located within the CHHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory purchase requirements apply in these zones.

ZONE	DESCRIPTION
V	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards associated with storm-induced waves. Because detailed coastal analyses have not been performed, no BFEs or flood depths are shown.
VE, V1-V30	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action. BFEs derived from detailed hydraulic coastal analyses are shown within these zones. (Zone VE is used on new and revised maps in place of Zones V1–V30.)

Hydrologic Information

Moderate and Minimal Risk Areas

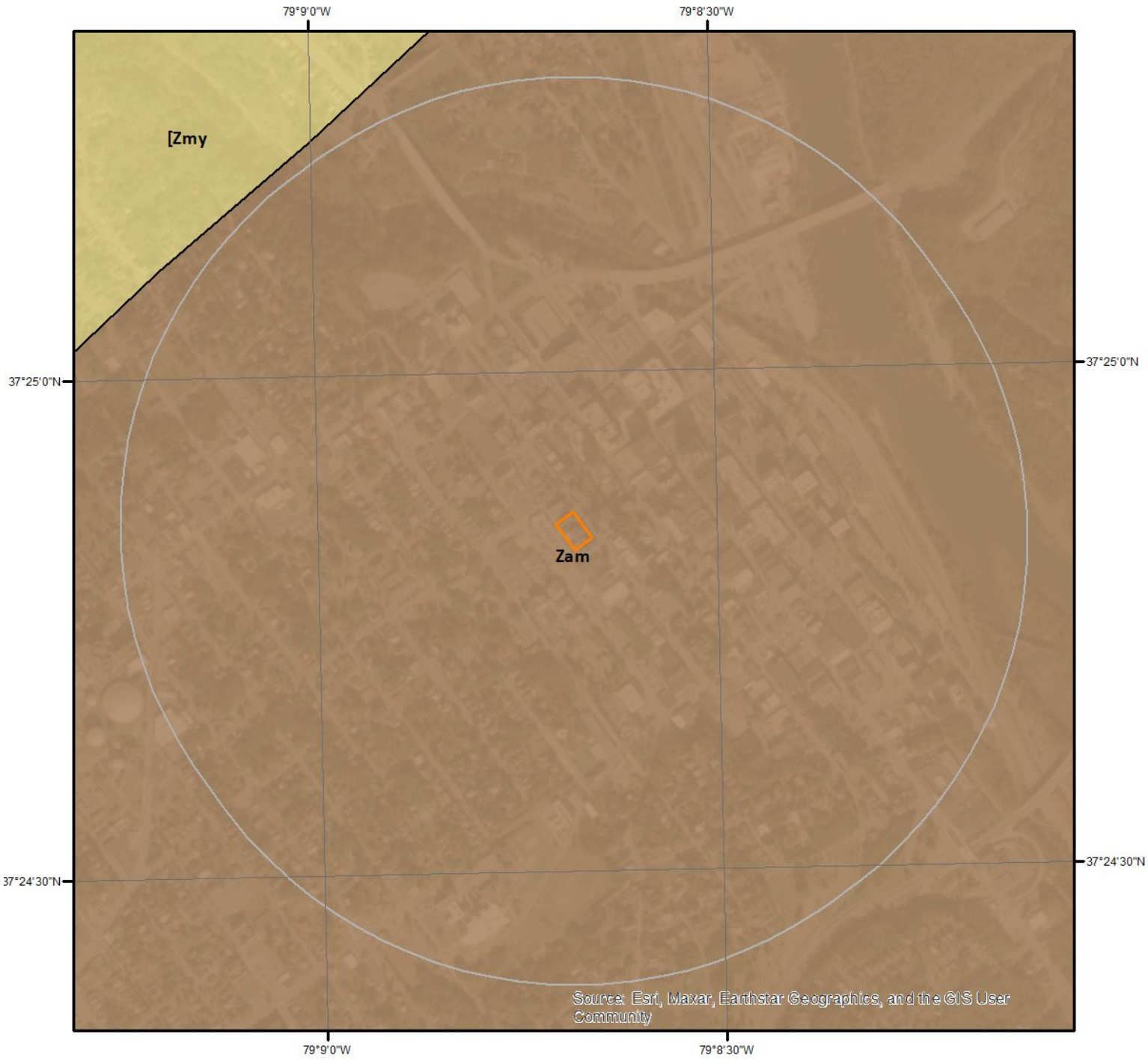
Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local stormwater drainage systems are not normally considered in a community's flood insurance study. The failure of a local drainage system can create areas of high flood risk within these zones. Flood insurance is available in participating communities, but is not required by regulation in these zones. Nearly 25-percent of all flood claims filed are for structures located within these zones.

ZONE	DESCRIPTION
B, X (shaded)	Moderate risk areas within the 0.2-percent-annual-chance floodplain, areas of 1-percent-annual-chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by a levee. No BFEs or base flood depths are shown within these zones. (Zone X (shaded) is used on new and revised maps in place of Zone B.)
C, X (unshaded)	Minimal risk areas outside the 1-percent and .2-percent-annual-chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)

Undetermined Risk Areas

ZONE	DESCRIPTION
D	Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

Geologic Information



0 0.175 0.35 Miles N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Zam

Unit Name:	Ashe Formation - Biotite gneiss
Unit Age:	Proterozoic Z
Primary Rock Type:	biotite gneiss
Secondary Rock Type:	
Unit Description:	Ashe Formation - Biotite gneiss.

Soil Information

SSURGO Soils

N

0 0.2 0.4 Miles

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 37E (8.05%)

Map Unit Name:	Stott Knob-Rhodhiss complex, 25 to 50 percent slopes, very stony
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Stott Knob(55%)

horizon H1(0cm to 23cm)	Loam
horizon H2(23cm to 53cm)	Clay loam
horizon H3(53cm to 76cm)	Loam
horizon H4(76cm to 101cm)	Bedrock

Rhodhiss(35%)

horizon H1(0cm to 20cm)	Loam
horizon H2(20cm to 102cm)	Clay loam
horizon H3(102cm to 152cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 37E - Stott Knob-Rhodhiss complex, 25 to 50 percent slopes, very stony

Component: Stott Knob (55%)
The Stott Knob, very stony component makes up 55 percent of the map unit. Slopes are 25 to 50 percent. This component is on hillslopes on piedmonts. The parent material consists of residuum weathered from gneiss and/or granite and/or granodiorite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Rhodhiss (35%)
The Rhodhiss, very stony component makes up 35 percent of the map unit. Slopes are 25 to 50 percent. This component is on hillslopes on piedmonts. The parent material consists of residuum weathered from granite and gneiss and/or mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Map Unit CT (1.86%)

Map Unit Name:	Chewacla-Toccoa complex
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	31cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Chewacla(45%)

horizon H1(0cm to 38cm)	Loam

horizon H2(38cm to 96cm)	Silty clay loam
horizon H3(96cm to 173cm)	Silt loam
Toccoa(30%)	
horizon H1(0cm to 58cm)	Fine sandy loam
horizon H2(58cm to 162cm)	Fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CT - Chewacla-Toccoa complex

Component: Chewacla (45%)
The Chewacla component makes up 45 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on piedmonts. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Component: Toccoa (30%)
The Toccoa component makes up 30 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on piedmonts. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 45 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria.

Component: Wehadkee (4%)
Generated brief soil descriptions are created for major soil components. The Wehadkee soil is a minor component.

Map Unit MaE2 (0.28%)

Map Unit Name:	Madison loam, 15 to 25 percent slopes, eroded
Bedrock Depth - Min:	122cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Madison(85%)	
horizon H1(0cm to 20cm)	Loam
horizon H2(20cm to 51cm)	Clay
horizon H3(51cm to 122cm)	Loam
horizon H4(122cm to 147cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: MaE2 - Madison loam, 15 to 25 percent slopes, eroded

Component: Madison (85%)
The Madison component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, lithic, is 36 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Soil Information

Map Unit McF (1.88%)

Map Unit Name:	Manteo channery loam, 25 to 60 percent slopes
Bedrock Depth - Min:	38cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Manteo(85%)

horizon H1(0cm to 25cm)	Channery loam
horizon H2(25cm to 38cm)	Very channery loam
horizon H3(38cm to 63cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: McF - Manteo channery loam, 25 to 60 percent slopes

Component: Manteo (85%)
The Manteo component makes up 85 percent of the map unit. Slopes are 25 to 60 percent. This component is on hillslopes on piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Map Unit TaE (0.21%)

Map Unit Name:	Tallapoosa loam, 15 to 25 percent slopes
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Tallapoosa(85%)

horizon H1(0cm to 25cm)	Loam
horizon H2(25cm to 43cm)	Clay loam
horizon H3(43cm to 76cm)	Loam
horizon H4(76cm to 86cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: TaE - Tallapoosa loam, 15 to 25 percent slopes

Component: Tallapoosa (85%)
The Tallapoosa component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Map Unit TaF (0.59%)

Map Unit Name:	Tallapoosa loam, 25 to 60 percent slopes
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Tallapoosa(85%)

horizon H1(0cm to 25cm)	Loam
horizon H2(25cm to 43cm)	Clay loam
horizon H3(43cm to 76cm)	Loam
horizon H4(76cm to 86cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: TaF - Tallapoosa loam, 25 to 60 percent slopes

Component: Tallapoosa (85%)
The Tallapoosa component makes up 85 percent of the map unit. Slopes are 25 to 60 percent. This component is on hillslopes on piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Map Unit TlE2 (0.29%)

Map Unit Name:	Tatum loam, 15 to 25 percent slopes, eroded
Bedrock Depth - Min:	127cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Tatum(85%)

horizon H1(0cm to 20cm)	Loam
horizon H2(20cm to 74cm)	Clay
horizon H3(74cm to 127cm)	Silt loam
horizon H4(127cm to 137cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: TlE2 - Tatum loam, 15 to 25 percent slopes, eroded

Component: Tatum (85%)
The Tatum component makes up 85 percent of the map unit. Slopes are 15 to 25 percent. This component is on hillslopes on piedmonts. The parent material consists of residuum weathered from schist. Depth to a root restrictive layer, bedrock, paralithic, is 40 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Soil Information

Map Unit UL (69.64%)

Map Unit Name: Urban land

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: UL - Urban land

Component: Urban land (100%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Map Unit W (17.21%)

Map Unit Name: Water

No more attributes available for this map unit

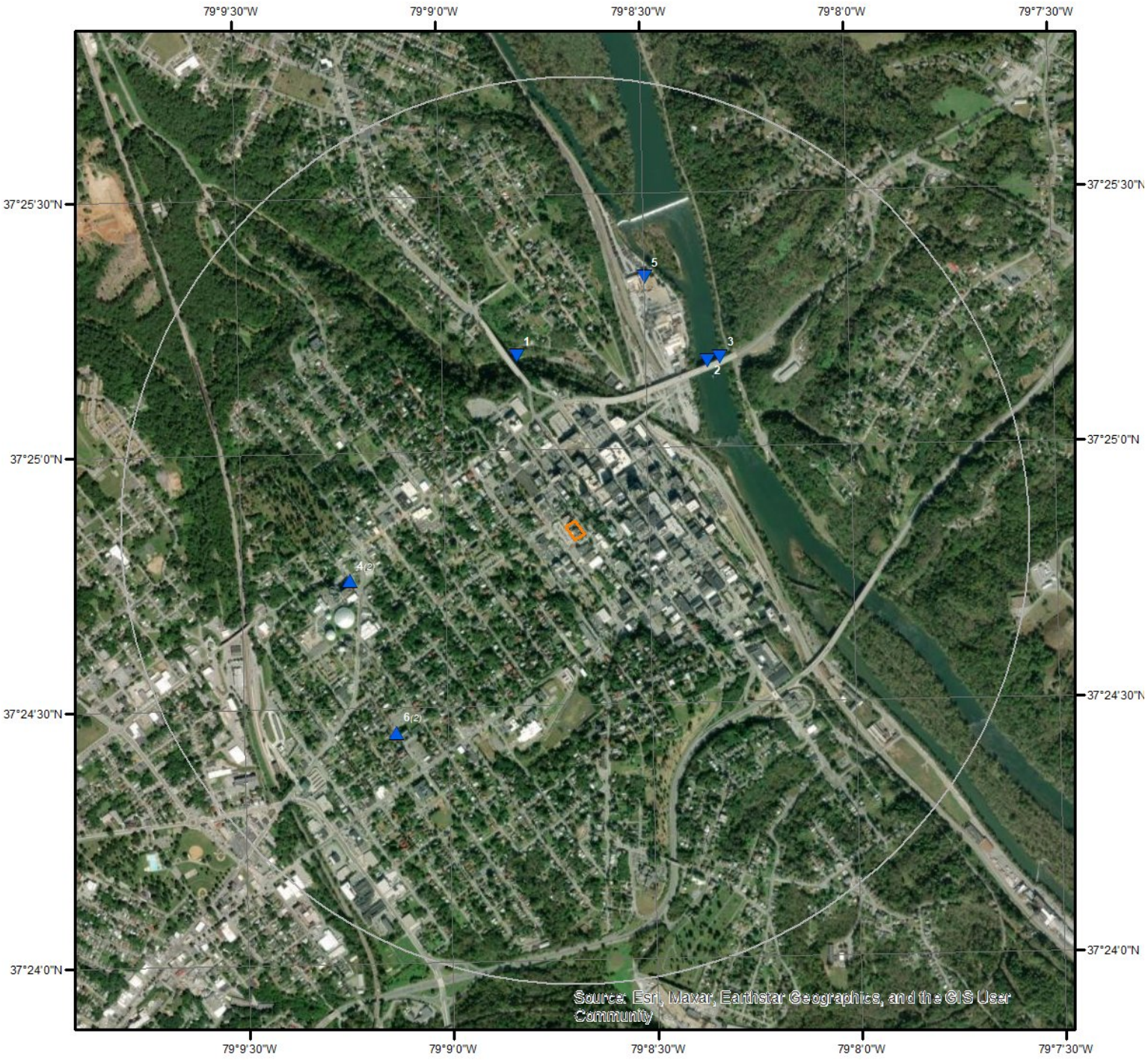
Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - Water

Component: Water (100%)
Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Wells and Additional Sources



Wells & Additional Sources

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
4	VA5680200	2637.26	WSW
6	VA5031405	3121.01	SW
6	VA5031404	3121.01	SW

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
4	VA5680200	2637.26	WSW

USGS National Water Information System

Map Key	Site No	Distance (ft)	Direction
1	USGS-02025868	2064.39	NNW
2	VA087-372510079082101	2459.08	NE
3	USGS-02025700	2600.63	NE

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Supply Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Wells

Map Key	Well ID	Distance (ft)	Direction
5	441595	3003.15	NNE

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	WSW	0.50	2,637.26	782.98	PWSV

Address Line 2:
State Code: VA
Zip Code: 24501
City Name: LYNCHBURG
Address Line 1: 525 Taylor Street
PWS ID: VA5680200
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SW
Primary Source Desc: Surface Water
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 434-455-4250

--Details--
Population Served Count: 76000
City Served: LYNCHBURG
County Served:
State Served: VA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.59	3,121.01	801.76	PWSV

Address Line 2:
State Code: VA
Zip Code: 24501
City Name: LYNCHBURG
Address Line 1: 1022 FLOYD STREET-SUITE A
PWS ID: VA5031405
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 31/03/2011
Phone Number: 434-845-1754

--Details--
Population Served Count: 100
City Served:
County Served: Campbell
State Served: VA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SW	0.59	3,121.01	801.76	PWSV

Address Line 2:
State Code: VA
Zip Code: 24501
City Name: LYNCHBURG
Address Line 1: 1022 FLOYD STREET-SUITE A
PWS ID: VA5031404
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 31/12/2007
Phone Number: 434-845-1754

--Details--
Population Served Count: 250
City Served:
County Served: Campbell
State Served: VA
Zip Code Served:

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	WSW	0.50	2,637.26	782.98	SDWIS

PWS ID: VA5680200
PWS Type: Community water system
No of Facilities: 32
No of Violations: 0
No of Site Visits: 39
Cities Served: LYNCHBURG
Counties Served: -
Population Served Count: 80,995
Primacy Agency: Virginia
EPA Region: Region 3

Wells and Additional Sources Detail Report

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.39	2,064.39	514.54	FED USGS

Site No: USGS-02025868
Site Type: Stream
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS Virginia Water Science Center
Station Name: BLACKWATER CREEK AT RT 501 (ALT) AT LYNCHBURG, VA
Latitude: 37.41972220000000
Longitude: -79.1469444000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.47	2,459.08	489.26	FED USGS

Site No: VA087-372510079082101
Site Type: Facility: Diversion
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS Virginia Water Science Center
Station Name: Intake on JAMES RIVER - COLLEGE HILL 8552763
Latitude: 37.41944444000000
Longitude: -79.1391667000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NE	0.49	2,600.63	489.88	FED USGS

Site No: USGS-02025700
Site Type: Stream
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:

Wells and Additional Sources Detail Report

Reporting Agency: USGS Virginia Water Science Center
Station Name: JAMES RIVER AT HWY 163 AT LYNCHBURG, VA
Latitude: 37.41958685000000
Longitude: -79.1386352900000

Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NNE	0.57	3,003.15	504.79	WATER WELLS

Facility ID:	73202	Est Yield (gpm):	0
Well ID:	441595	Stabil Yield (gpm):	0
Well Status:	ACTIVE	Static Wtr Lev (ft):	0
Well Depth:	405	MPID:	
Well Type:	PRODUCTION	Aquifer:	
Permit ID:		Locality:	LYNCHBURG
Permit Status:	ACTIVE	City/Town:	LYNCHBURG
Use Type:	MANUFACTURING	County:	LYNCHBURG
Elevation (ft):		Latitude:	37.4222222
Well Construct Date:		Longitude:	-79.1416666
DEQ Well No:			
Well Name:	PRODUCTION WELL		
Facility/Owner:	LYNCHBURG PLANT		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *LYNCHBURG* County: **2**
Federal EPA Radon Zone for *AMHERST* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *LYNCHBURG* County

No Measures/Homes:	20
Geometric Mean:	2.3
Arithmetic Mean:	2.9
Median:	2.6
Standard Deviation:	1.7
Maximum:	6
% >4 pCi/L:	30
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Virginia conducted during 1991-92. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Area Radon Information for *AMHERST* County

No Measures/Homes:	14
Geometric Mean:	1.1
Arithmetic Mean:	1.9
Median:	1
Standard Deviation:	2.1
Maximum:	7.4
% >4 pCi/L:	14
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Virginia conducted during 1991-92. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Appendix

Oil and Gas Wells **OGW**

Oil and Gas Wells Data made available by Virginia Department of Mines Minerals and Energy maintained by the Division of Gas and Oil Data Information Systems.

Public Water Supply Wells **PWSW**

The Public Wells data is provided by the Virginia Department of Health's Office of Drinking Water.

Water Wells **WATER WELLS**

This statewide water well construction database is maintained by the Virginia Department of Environmental Quality (DEQ). One of DEQ's goals is to merge the various sources of historical and new well information into one statewide database that can be used for regional analysis of groundwater aquifer systems. Efforts to sort, clean up, and merge this data are ongoing.

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1/17/2012 ML

BRRO-L

LQG

OMB# 2060-0024; Expires 11/30/2011

SEND COMPLETED FORM TO: The Appropriate State or Regional Office.	**United States Environmental Protection Agency** **RCRA SUBTITLE C SITE IDENTIFICATION FORM**

1. Reason for Submittal (MARK ALL BOX(ES) THAT APPLY)

Reason for Submittal:

- [X] To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)
- [ ] To provide a Subsequent Notification (to update site identification information for this location)
- [ ] As a component of a First RCRA Hazardous Waste Part A Permit Application
- [ ] As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____)
- [ ] As a component of the Hazardous Waste Report (If marked, see sub-bullet below)
  - [ ] Site was a TSD facility and/or generator of ≥1,000 kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equivalent LQG regulations)

2. Site EPA ID Number

EPA ID Number: VAP 7 0 1 2 0 1 1 2 0 1 1

3. Site Name

Name: City of Lynchburg Museum

4. Site Location Information

Street Address: 901 Court Street

City, Town, or Village: Lynchburg | County: Lynchburg City

State: VA | Country: USA | Zip Code: 24504

5. Site Land Type

[ ] Private [ ] County [ ] District [ ] Federal [ ] Tribal [X] Municipal [ ] State [ ] Other

6. NAICS Code(s) for the Site (at least 5-digit codes)

A. 7 1 2 1 1 0 | C. | B. | D.

7. Site Mailing Address

Street or P.O. Box: 901 Court Street

City, Town, or Village: Lynchburg

State: VA | Country: USA | Zip Code: 24504

8. Site Contact Person

First Name: Scott | MI: | Last: Glass

Title: Facilities Manager

Street or P.O. Box: 800 Orchard Street

City, Town or Village: Lynchburg

State: VA | Country: USA | Zip Code: 24501

Email: scott.glass@lynchburgva.gov

Phone: (434) 455-4409 | Ext.: | Fax: (434) 845-1813

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner: City of Lynchburg | Date Became Owner: December 1, 2011

Owner Type: [ ] Private [ ] County [ ] District [ ] Federal [ ] Tribal [X] Municipal [ ] State [ ] Other

Street or P.O. Box: 800 Orchard Street

City, Town, or Village: Lynchburg | Phone: (434) 455-4409

State: VA | Country: USA | Zip Code: 24501

B. Name of Site's Operator: Scott Glass | Date Became Operator: December 1, 2011

Operator Type: [ ] Private [ ] County [ ] District [ ] Federal [ ] Tribal [X] Municipal [ ] State [ ] Other

EPA ID Number NIAP1201120112011 OMB#: 2050-0024; Expires 11/30/2011

10. Type of Regulated Waste Activity (at your site)
Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities; Complete all parts 1-7.

Y ☒ N ☐ **1. Generator of Hazardous Waste**
If "Yes", mark only one of the following – a, b, or c.

- ☒ a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.
- ☐ b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-acute hazardous waste.
- ☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.

If "Yes" above, indicate other generator activities.

Y ☒ N ☐ d. Short-Term Generator (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.

Y ☐ N ☒ e. United States Importer of Hazardous Waste

Y ☐ N ☒ f. Mixed Waste (hazardous and radioactive) Generator

Y ☐ N ☒ **2. Transporter of Hazardous Waste**
If "Yes", mark all that apply.
- ☐ a. Transporter
- ☐ b. Transfer Facility (at your site)

Y ☐ N ☒ **3. Treater, Storer, or Disposer of Hazardous Waste Note: A hazardous waste permit is required for these activities.**

Y ☐ N ☒ **4. Recycler of Hazardous Waste**

Y ☐ N ☒ **5. Exempt Boiler and/or Industrial Furnace**
If "Yes", mark all that apply.
- ☐ a. Small Quantity On-site Burner Exemption
- ☐ b. Smelting, Melting, and Refining Furnace Exemption

Y ☐ N ☒ **6. Underground Injection Control**

Y ☐ N ☒ **7. Receives Hazardous Waste from Off-site**

B. Universal Waste Activities; Complete all parts 1-2.

Y ☐ N ☒ **1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.**

- a. Batteries ☐
- b. Pesticides ☐
- c. Mercury containing equipment ☐
- d. Lamps ☐
- e. Other (specify) _____ ☐
- f. Other (specify) _____ ☐
- g. Other (specify) _____ ☐

Y ☐ N ☒ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities; Complete all parts 1-4.

Y ☐ N ☒ **1. Used Oil Transporter**
If "Yes", mark all that apply.
- ☐ a. Transporter
- ☐ b. Transfer Facility (at your site)

Y ☐ N ☒ **2. Used Oil Processor and/or Re-refiner**
If "Yes", mark all that apply.
- ☐ a. Processor
- ☐ b. Re-refiner

Y ☐ N ☒ **3. Off-Specification Used Oil Burner**

Y ☐ N ☒ **4. Used Oil Fuel Marketer**
If "Yes", mark all that apply.
- ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

EPA ID Number VIAP170012012012 OMB#: 2050-0024; Expires 11/30/2011

D. **Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K**

- You must check with your State to determine if you are eligible to manage laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

☐ 1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories **See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:**

☐ a. College or University

☐ b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university

☐ c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

☐ 2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

11. Description of Hazardous Waste

A. **Waste Codes for Federally Regulated Hazardous Wastes.** Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D008						

B. **Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.** Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

D008						

EPA ID Number NAP7012012011 OMB#: 2050-0024; Expires 11/30/2011

12. Notification of Hazardous Secondary Material (HSM) Activity

Y ☐ N ☒ Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments

This facility is a museum owned by the City of Lynchburg, Virginia. The museum is undergoing repairs and maintenance. This waste was generated during the activities. Ongoing generation of this waste is not anticipated.

14. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	Scott Glass, Facilities Mgr.	01/09/2012

EPA ID Number _____ OMB# 2050-0024 Expires 11/30/2011

12. Notification of Hazardous Secondary Material (HSM) Activity

Y ☐ N ☒ Are you notifying under 40 CFR 260.42 that you will begin managing, not managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(25), (24), or (26)?

("Yes", you must fill out the Addendum to the Site Identification Form, Notification for Managing Hazardous Secondary Material)

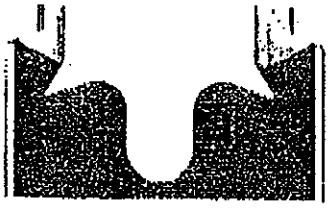
13. Comments

This facility is a museum owned by the City of Lynchburg, Virginia. The museum is undergoing repairs and maintenance. This waste was generated during the activities. Ongoing generation of this waste is not anticipated.

14. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
[signature]	Scott Glass, Facilities Dir.	01/09/2012

EPA Form 8700-12, 8700-13 A/B, 8700-23 (Revised 11/2009) Page 4 of 4



FAX TRANSMITTAL SHEET

FROM:

WTM ENTERPRISES, LLC
(A Subsidiary Of
Waste-Tron Of Maryland, Inc.)
1201 BERNARD DRIVE
BALTIMORE, MD 21223

TELEPHONE: (410) 536-4200
FAX NO.: (410) 536-4204

TO:

FIRM: VA DEQ FAX NO.: (434) 582-5125

ATTN: Todd Nash TELEPHONE: (434) 582-6215

SENT BY: Dilip Kalyani DATE: 1/11/12

TOTAL NUMBER OF SHEETS TRANSMITTED, INCLUDING FAX SHEET: 6

REMARKS:

Todd:

Per our conversation,

Thanks.

- Dilip.

Appendix E:
Photograph Log

Photograph Log

Client Name:	Site Location:	Project No.:
Lynchburg Economic Development Authority	805 Court Street, Lynchburg, VA	519073

Photo No.	Date
1	3/13/24

Description:
Subject Property. View of portion of building currently housing police offices looking west from Court Street.

Photo No.	Date
2	3/13/24

Description:
Subject Property. View of former church portion of building looking south from Court Street.

Photograph Log

Client Name:	Site Location:	Project No.:
Lynchburg Economic Development Authority	805 Court Street, Lynchburg, VA	519073

Photo No.	Date
3	3/13/24

Description:
Subject Property. Basement entrance with reworked gutter downspouts along southwestern building wall. Pipe extending through stairs at the bottom edge of the photo with floor drain at the bottom of the stairs.

Photo No.	Date
4	3/13/24

Description:
Subject Property. Pipe protruding from ground with drain along recess in building's southwestern face.

Photograph Log

Client Name:	Site Location:	Project No.:
Lynchburg Economic Development Authority	805 Court Street, Lynchburg, VA	519073

Photo No.	Date
5	3/13/2024

Description:
Subject Property. Debris in former coal storage area in basement beneath the former church portion of building.

Photo No.	Date
6	3/13/2024

Description:
Subject Property. Stockpile believed to be coal in basement of former church portion of building.

Photograph Log

Client Name:	Site Location:	Project No.:
Lynchburg Economic Development Authority	805 Court Street, Lynchburg, VA	519073

Photo No.	Date
7	3/13/2024

Description:
Subject Property. Gym in former church portion of building.

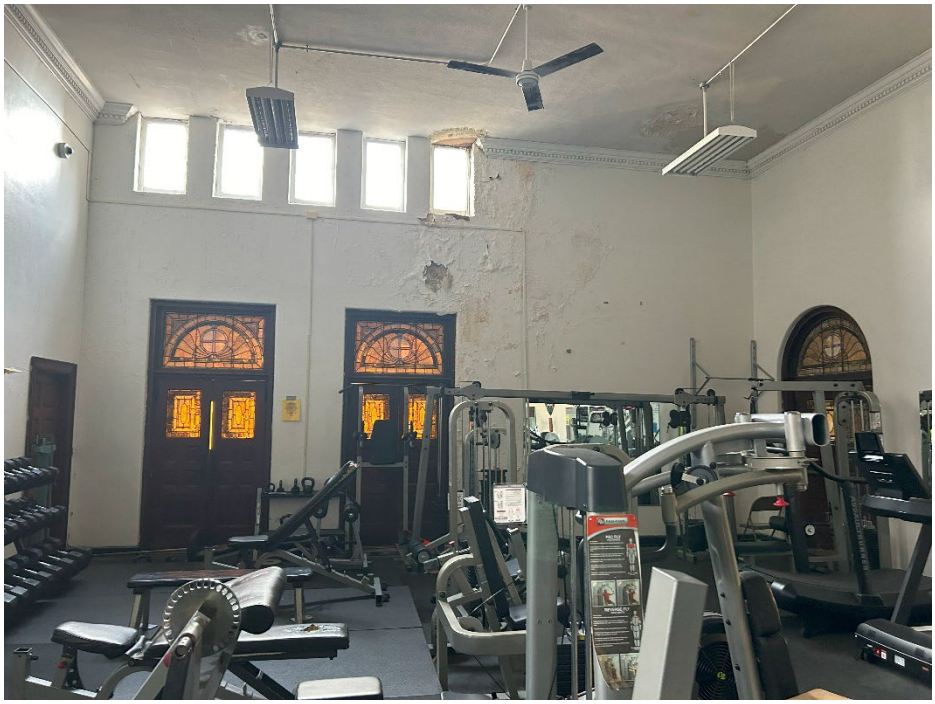


Photo No.	Date
8	3/13/2024

Description:
Subject Property. Former church sanctuary.

Photograph Log

Client Name:	Site Location:	Project No.:
Lynchburg Economic Development Authority	805 Court Street, Lynchburg, VA	519073

Photo No.	Date
9	3/13/2024

Description:
Subject Property. Interior of main building entrance.

Photo No.	Date
10	3/13/2024

Description:
Subject Property. Basement of Police Department portion of building.

Photograph Log

Client Name:	Site Location:	Project No.:
Lynchburg Economic Development Authority	805 Court Street, Lynchburg, VA	519073

Photo No.	Date
11	3/13/2024

Description:
Subject Property. Janitorial closet in Police Department portion of building (typical).

Photo No.	Date
12	3/13/2024

Description:
Subject Property. Office in police department portion of building (typical).

Photograph Log

Client Name:	Site Location:	Project No.:
Lynchburg Economic Development Authority	805 Court Street, Lynchburg, VA	519073

Photo No.	Date
13	3/13/2024

Description:
Adjacent Property. View north across Court Street of eastern adjacent property.

Photo No.	Date
14	3/13/2024

Description:
Adjacent Property. View of western adjacent property containing a parking deck from the southeast, with southwestern portion of Subject Property visible on the right portion of the photo.

Photograph Log

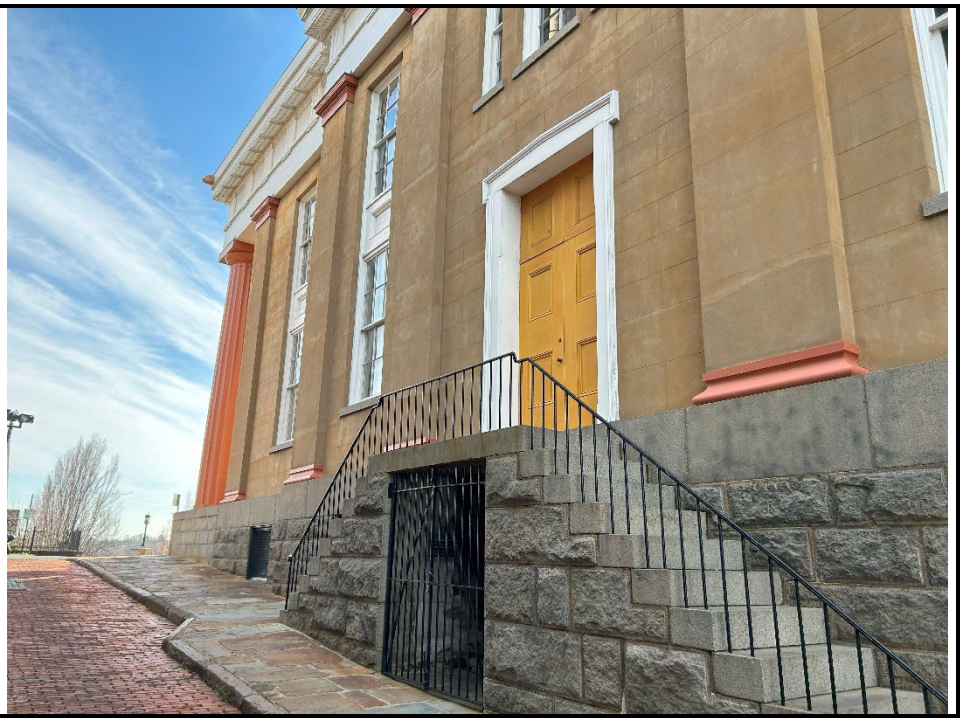
Client Name:	Site Location:	Project No.:
Lynchburg Economic Development Authority	805 Court Street, Lynchburg, VA	519073

Photo No.	Date
15	3/13/2024

Description:
Adjacent Property. View of northern adjacent property from the Subject Property.

Photo No.	Date
16	3/13/24

Description:
Adjacent Property. View of southern adjacent property from the west.



Appendix F:
TRC Staff and Environmental Professional Qualifications/Resumes

PHILLIP N. PRESSLEY, PE

EDUCATION

M.S., Environmental Engineering, North Carolina State University, 2013

B.S., Civil Engineering, North Carolina State University, 2011

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Professional Engineer, North Carolina (#045320)

Professional Engineer, Tennessee (#126069)

AREAS OF EXPERTISE

Mr. Phillip N. Pressley, PE, has program management and technical experience in the following general areas:

- Environmental assessments and audits
- Mining
- Solid waste management

REPRESENTATIVE EXPERIENCE

Mr. Pressley has more than nine years of experience and progressive responsibility in environmental and civil engineering. His qualifications include air permitting, mine permitting, stormwater design and permitting, and environmental auditing. Mr. Pressley's background includes extensive work in the mining industry. He currently serves in the capacity of senior project manager on the Cary, NC office's environmental team.

Martin Marietta, Environmental Compliance – Raleigh, NC (Project Role: 2017–2023)*

As a senior environmental engineer, for Martin Marietta, Mr. Pressley was responsible for permitting and compliance for Martin Marietta's eastern North Carolina operations. His responsibilities included modifying/renewing air, groundwater withdrawal, mining, and NPDES permits, as needed. In addition to permits, Mr. Pressley developed Spill Prevention, Control, and Countermeasures (SPCC) plans and storm water pollution prevention plans (SWPPPs) and conducted the required annual training for operations staff.

Martin Marietta, Environmental Auditing – Eastern NC (Project Role: 2017–2023)*

Mr. Pressley led the internal environmental audit program for Martin Marietta's eastern North Carolina. He was responsible for reviewing compliance with federal, state, and local regulations at all sites within the region. This involved field review of oil fueling storage, stormwater control measures, and dust suppression, as well as review of all site-specific permit conditions and determination of site compliance.

**indicates individual experience*

SPECIALIZED TRAINING

- OSHA 40-Hour Hazardous Waste Operations and Emergency Response Training, September 2015

SELECTED PUBLICATIONS AND PRESENTATIONS

Pressley, P.N., Levis, J.W., Damgaard, A., Barlaz, M.A., DeCarolis, J.F. 2015. Analysis of material recovery facilities for use in life-cycle assessment, Waste Management, Volume 35, 2015.

Pressley, P.N., Aziz, T.N., DeCarolis, J.F., Barlaz, M.A., He, F., Li, F., Damgaard, A. 2014. Municipal solid waste conversion to transportation fuels: a life-cycle estimation of global warming potential and energy consumption, Journal of Cleaner Production, Volume 70, 2014.

Ryan Sadler
Project Environmental Scientist II

For more than 20 years, I have performed extensive due diligence, technical and regulatory compliance reviews.

I hold a widespread background in grant writing, EPA Brownfields program administration, the Virginia Brownfields Assistance Fund and VRP programs, NEPA/SEPA reviews, solid waste permitting, landfill and transfer station siting studies, project bidding and administration, construction QA/QC, geotechnical investigations, and soil/groundwater testing and analysis.

Ryan Sadler has utilized his multi-faceted experience on numerous environmental and civil engineering projects for counties, municipalities, and private enterprise. He has recently completed projects in North Carolina, Virginia, West Virginia, and South Carolina overseeing the construction and grant administration of multiple construction and redevelopment projects for clients. Ryan has been actively involved in the EPA Brownfields program since 2014 drafting grant applications and managing client programs throughout North Carolina and Virginia.

CREDENTIALS

Education:

- B.S., Environmental Science Policy and Administration, North Carolina State University, Raleigh, NC

Professional Registrations/Certifications/Training:

- Solid Waste Association of America Manager of Landfill Operations Certification
- (#96545, expired)
- American Concrete Institute (ACI) Level 1 Field Technician
- Nuclear Radiation Safety Training
- 40-hr Hazardous Waste Operations and Emergency Response

EXPERIENCE

Professional Summary:

- 22 years working in environmental and solid waste consulting
- Expertise includes assessment, investigation, remediation, planning and permitting, and compliance

Areas of Expertise:

- EPA Brownfields Program
- Phase I and II Environmental Site Assessments
- Regulatory compliance
- Engineering for local government and industry
- Landfills, transfer stations, and materials recovery facilities
- Solid waste disposal system design
- Construction and contract management
- Geotechnical QA/QC
- Geotechnical and hydrogeologic studies
- Site inspections
- Subsurface exploration and investigation

"I enjoy helping clients leverage grant funds to acquire additional resources to make complex projects a reality rather than a dream." *Ryan Sadler*

PROJECT EXPERIENCE

Town of Pulaski, VA (EPA Brownfields Program Manager: 2019-Present)

Project Manager for Town of Pulaski Brownfields Program accounting for the grant budget and expenditures. Coordinates monthly Economic Development Board Meetings and provides EPA Brownfields Program updates. Assists with brownfield site selection, inventory, and prioritization. Completes property approval forms for EPA site authorization. Assists with quarterly and annual grant reporting requirements. Applied for and successfully leveraged the Virginia Brownfields Assistance Fund (VBAF) for additional assessment activities. Performed multiple Phase I and Phase II Environmental Site Assessments.

Town of Louisburg, NC (EPA Brownfields Program Manager: 2021-Present)

Project Manager for Town of Louisburg's Brownfields Program accounting for the grant budget and expenditures. Assists with brownfield site selection, inventory, and prioritization. Completes property approval forms for EPA site authorization. Assists with quarterly and annual grant reporting requirements. Performed multiple Phase I and Phase II Environmental Site Assessments.

City of Lynchburg Economic Development and Tourism, Lynchburg, VA (EPA Brownfields Program, Project Environmental Scientist: 2014-Present)

Assisted with brownfield site selection, inventory, and prioritization. Completed property approval forms for EPA site authorization. Performed multiple Phase I and Phase II Environmental Site Assessments. Assisted with quarterly and annual grant reporting requirements.

Town of Martinsville, VA (EPA Brownfields Program, Project Environmental Scientist: 2019-Present)

Assisted with brownfield site selection, inventory and prioritization. Completed property approval forms for EPA site authorization. Performed multiple Phase I and Phase II Environmental Site Assessments. Applied for and successfully leveraged the Virginia Brownfields Assistance Fund (VBAF) in the amount of over $600,000 for additional assessment and remediation activities. Assisted with quarterly and annual grant reporting requirements.

Town of Princeton, NC (EPA Brownfields Program, Project Environmental Scientist: 2014-2018)

Assisted with brownfield site selection, inventory and prioritization. Held regular brownfields advisory group meetings. Completed property approval forms for EPA site authorization. Performed multiple Phase I and Phase II Environmental Site Assessments. Assisted with quarterly and annual grant reporting requirements.

Halifax County Industrial Development Authority, Halifax County, VA (EPA Brownfields Program, Project Environmental Scientist: 2016-2020)

Assisted with brownfield site selection, inventory, and prioritization. Completed property approval forms for EPA site authorization. Performed multiple Phase I and Phase II Environmental Site Assessments. Assisted with quarterly and annual grant reporting requirements. Applied for and successfully leveraged the Virginia Brownfields Assistance Fund (VBAF) for additional assessment activities.

Alleghany Highlands Economic Development Corporation, Covington, VA (EPA Brownfields Program, Project Environmental Scientist: 2016-2020)

Assisted with brownfield site selection, inventory, and prioritization. Completed property approval forms for EPA site authorization. Performed multiple Phase I and Phase II Environmental Site Assessments. Assisted with quarterly and annual grant reporting requirements. Applied for and successfully leveraged the Virginia Brownfields Assistance Fund (VBAF) for additional assessment activities.

Bluefield Area Transit Bus Transfer Facility, Bluefield, WV (NEPA Review, Project Environmental Scientist: 2020)

NEPA Coordinator/Report Author. Draper Aden worked with the City of Bluefield, WV Department of Transportation, and Wendel Companies to complete and submit to Federal Transit Administration (FTA) a report documenting that the subject property met FTA NEPA CATEX requirements for a new bus transfer facility. The site was a former EPA Superfund Site with multiple EPA removal actions having occurred over the site's postindustrial closure. Coordination between federal, state, and local agencies was paramount in keeping the project on track, gaining inter-agency consensus of the existing environmental conditions and acceptable future use, and ultimately obtaining the CATEX status.

Appendix G:
Environmental Professional Statement

DEFINITION OF ENVIRONMENTAL PROFESSIONAL AND RELEVANT EXPERIENCE THERETO PURSUANT TO 40 CFR 312

(1) a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases (see §312.1(c)) on, at, in, or to a property, sufficient to meet the objectives and performance factors in §312.20(e) and (f).

(2) Such a person must: (i) hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) and have the equivalent of 3 years of full-time relevant experience; or (ii) be licensed or certified by the federal government, a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) to perform environmental inquiries as defined in §312.21 and have the equivalent of 3 years of full-time relevant experience; or (iii) have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science and the equivalent of 5 years of full-time relevant experience; or (iv) have the equivalent of 10 years of full-time relevant experience.

(3) An environmental professional should remain current in his or her field through participation in continuing education or other activities.

(4) The definition of environmental professional provided above does not preempt state professional licensing or registration requirements such as those for a professional geologist, engineer, or site remediation professional. Before commencing work, a person should determine the applicability of state professional licensing or registration laws to the activities to be undertaken as part of the inquiry identified in §312.21(b).

(5) A person who does not qualify as an environmental professional under the foregoing definition may assist in the conduct of all appropriate inquiries in accordance with this part if such person is under the supervision or responsible charge of a person meeting the definition of an environmental professional provided above when conducting such activities.

Relevant experience, as used in the definition of environmental professional in this section, means: participation in the performance of all appropriate inquiries investigations, environmental site assessments, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases (see §312.1(c)) to the subject property. TRC personnel resume(s) are included in **Appendix F**.

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature of Environmental Professional: Date: 04/17/2024

PHASE II ENVIRONMENTAL SITE ASSESSMENT

West Building

805 Court Street
Lynchburg, Virginia

July 30, 2024

Project Number:
519073.0000.0000

Prepared For:
Lynchburg Economic Development Authority, Lynchburg, Virginia and
United States Environmental Protection Agency
USEPA Brownfields Assessment Grant Number: # BF-95301301

Prepared By:
Draper Aden Associates, a TRC Company
2200 S. Main Street, Suite A
Blacksburg, VA 24060

Prepared by: Phillip Pressley

Reviewed by: Ryan Sadler

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ATTACHMENT 2: Tables
ATTACHMENT 3: Field Notes, , SOPs, HASP
ATTACHMENT 4: Laboratory Analysis and Validation
ATTACHMENT 5: Chain-of-Custody Records, Laboratory Accreditation

This report is presented in an electronic version only.

EXECUTIVE SUMMARY

Draper Aden Associates, LLC, a TRC Company (TRC), was contracted by the Lynchburg Economic Development Authority (EDA), to conduct a Phase II Environmental Site Assessment (ESA) of the West Building (subject property) located on City of Lynchburg parcel number 02445003, at 805 Court Street in Lynchburg, Virginia. Work was conducted on behalf of the property owner, City of Lynchburg, under the EDA's USEPA Brownfield Assessment Grant.

This Phase II ESA is intended to assess current site conditions based on the findings of the previous environmental investigations of the subject property. Phase I environmental site assessments (ESAs) of the subject property were completed by TRC on February 22, 2022 (TRC, 2022) and April 17, 2024 (TRC, 2024) that identified a recognized environmental condition (REC), as defined by the ASTM standard. The REC is primarily related to former hazardous materials stored in an earthen basement.

The subject property was developed since at least 1890 for commercial use. By 1902, a church had been constructed on the southern portion of the property. The church expanded on to the site of the former residence by 1951. The site was sold to Eric Spain in 1994, who in turn sold it to the City of Lynchburg in 1995. The former church is now known as the West Building which currently houses the Lynchburg Police Department in the former church offices, with the former sanctuary area of the structure remaining vacant. The property owner (Users) intend to use the results of this Phase II ESA to incorporate into planned site redevelopment.

FIELD ACTIVITIES

- Four (four) soil samples were collected from four soil borings (SB-1-1, SB-1-2, SB-2-1, and SB-2-2) advanced to auger refusal in the earthen basement. All samples were analyzed for metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds(SVOCs), and volatile organic compounds (VOCs) and compared to the USEPA Residential and Industrial regional screening levels (RSLs).
- Seven indoor air samples were collected: IAQ-1 through IAQ-4 (located in the building's basements), IAQ-5 through IAQ-7 (located throughout the first floor of the building) and one outdoor ambient sample (IAQ-AMB) for screening for VOCs and compared to the USEPA RSLs for residential and industrial use.

SIGNIFICANT FINDINGS

Soils

- No VOCs or PCBs were detected above their respective residential or industrial RSLs.
- SVOCs benzo[a]pyrene and dibenz(a,h)anthracene were detected at concentrations greater than their respective residential RSLs but less than the industrial RSLs in soil samples in SB-1-1. However, neither benzo[a]pyrene or dibenz(a,h)anthracene were

detected in the blind duplicate sample of SB-1-1 above their respective residential or industrial RSLs.

- Iron was detected above the residential RSL but below the industrial RSL in the field duplicate sample of SB-1-1 and confirmed in the associated field duplicate sample.
- Arsenic was detected above the industrial and residential RSL in three soil samples (SB-1-1, SB-1-2, SB-2-2). It was detected above the residential RSL in the fourth sample (SB-1-2). These results are typical of background concentrations within the region. Naturally occurring regional arsenic concentrations can range up to 30 mg/kg (Vosnakis and Perry, 2009).

Indoor Air

- Benzene, ethylbenzene, and vinyl chloride were detected above the residential RSL in indoor air sample IAQ-1. These analytes were not detected in the remaining samples. Because these compounds were not detected above the residential or industrial RSLs in the building's occupied space, the REC is not believed to be
- Naphthalene was detected above the industrial and residential RSL in three indoor air samples (IAQ-4, IAQ-5, and IAQ-7), though it was not detected in the blind duplicate taken at IAQ-4. Naphthalene was not detected in the remaining samples, including IAQ-1 and IAQ-2, which were taken in the basement where the REC was located. There is no evidence the REC is the source of the naphthalene. The absence of naphthalene in the blind duplicate while IAQ-4 had an exceedance indicates one possible source of the naphthalene is laboratory error or interference. The naphthalene source could also be materials or products used in the building.

RECOMMENDATIONS

Based on the analytical data, investigation of potential sources of naphthalene in the building and confirmatory sampling are recommended prior to redevelopment. See **Section 9.2** for more information.

This assessment does not represent an exhaustive characterization of the subject property, and the potential for areas with higher concentrations (i.e., hot spots) than those characterized within this field effort cannot be eliminated. The following report presents in further detail the activities completed, an evaluation of information and data obtained, and provides findings and conclusions resulting from this effort.

1.0 STATEMENT OF OBJECTIVES

The Phase II ESA objective is to identify potential site redevelopment options through evaluation of current site conditions within allocated grant funds relative to RECs identified in the Phase I ESA report (TRC, 2022 / TRC, 2024). TRC conducted this Phase II ESA in general accordance with the Grantee's Generic Quality Assurance Project Plan (QAPrP) that adopts the Virginia Department of Environmental Quality's (VDEQ) QAPrP dated September 22, 2022, the site-specific Field Sampling Plan (FSP) for the West Building dated April 30, 2024, and ASTM 1903-19 – *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*. The project scope design, as detailed herein, was prepared using current budgeted resources allocated for this effort and anticipated project timeframe. The following summarizes the scope and results of the Phase II ESA.

2.0 SITE INFORMATION

2.1 Project Area

The subject property is located at 805 Court Street in Lynchburg, Virginia. A Site Location Map is presented as **Figure 1**. The subject property, approximately 0.6-acres, is identified as City of Lynchburg parcel number 02445003. The subject property contains a former church building currently used by the Lynchburg Police Department for offices and storage. Access to the subject property is restricted to relevant City personnel, and the building is locked.

2.2 Site History

The following site history information was presented in the 2024 Phase I ESA Report prepared by TRC. The subject property was developed since at least 1890 for commercial use. By 1902, a church had been constructed on the southern portion of the property. The church expanded on to the site of the former residence by 1951. The site was sold to Eric Spain in 1994, who in turn sold it to the City of Lynchburg in 1995. The City currently uses it for Police Department offices and storage.

2.3 Adjacent/Vicinity Property History

The properties immediately surrounding the subject property are depicted in **Figure 2** and current adjoining property uses are detailed below:

Adjoining Property Use

The current adjoining property uses are:

North Mixed-Use Residential and Office Building
East Court Street; First Unitarian Church (818 Court Street); Parking Lots
South Ninth Street, Lynchburg Museum (901 Court Street)
West Clay Street; Parking Deck

Surrounding/Vicinity Property Use

The surrounding and vicinity properties within a half mile of the subject property are mixed-use with institutional, residential, and commercial properties.

2.4 Future Site Use

Future site use remains fluid; however, the City plans to move the police department to a new facility and thus is evaluating the subject property for reuse.

2.5 Prior Assessments

As part of the Phase II process, TRC reviewed the following documents:

- Draper Aden Associates, 2022, *Phase I Environmental Site Assessment West Building 805 Court Street, Lynchburg, Virginia, February 22, 2022*.
- Draper Aden Associates LLC, a TRC Company, 2024, *Phase I Environmental Site Assessment: West Building – 805 Court Street, Lynchburg, Virginia*, April 17, 2024.

The following REC was identified in the TRC, 2024 Phase I ESA:

- The basement near the subject property's southwest corner contained a small stockpile of coal, staining throughout from the previous storage of coal, and a drum of Chemtreat BL-863, which was labeled corrosive. Because chemicals were observed, the presence of coal dust may cover other staining and the owner has no knowledge of what other chemicals may have historically been stored in the space. The potential of a likely release due to historic chemical and coal use and storage in the basement is a REC.

2.6 Physical Site Characteristics and Potential Receptors

The April 2024 TRC Phase I ESA provides information regarding physical site characteristics at the subject property and potential receptors.

Topographic Conditions – TRC reviewed the most recently published (2022) USGS 7.5-minute topographic quadrangle map of Lynchburg, VA (U.S. Geological Survey). The subject property topographic elevation is approximately 710 feet above mean sea level, and subject property topography slopes to the south-southwest. The subject property is located near the crest of a ridge with topography sloping generally east-northeast to the east of the site and south-southwest to the west of the site.

Surface Water Hydrology - The subject property is located near the crest of a ridge with topography sloping generally east-northeast to the east of the site and south-southwest to the west of the site. Based upon the topography, surface water likely flows into the James River, located approximately 2,000 feet east of the Site.

Court Street, Clay Street, and 9th Street border the subject property to the east, west, and south respectively. They are equipped with curb-and-gutter, which directs stormwater away from the subject property.

Flood Hazard - As part of the National Flood Insurance Program, the Federal Emergency Management Agency (FEMA) publishes Flood Insurance Rate Maps (FIRMs). TRC reviewed the FEMA flood map for the City of Lynchburg VA (Map Number 5100930042D, effective June 3, 2008). This map indicates the subject property lies in Zone X, an "Area of Minimal Flood Hazard."

Geologic Conditions – Based on information provided in the Phase I (2024), the subject property is underlain by the Proterozoic Z-aged Ashe Formation. The Formation consists of biotite gneiss. A geologic map is included in the ERIS Physical Setting Report provided in Appendix C of the Phase I ESA.

Agronomic Soil Conditions (USDA) – TRC reviewed the soil information contained in the Physical Setting report provided by ERIS (Appendix C of the Phase I ESA). The overlaying soil is predominantly labeled "urban land" with no available soil attributes.

3.0 PROJECT SCOPE

The purpose of the Phase II ESA is to obtain and evaluate environmental data deemed representative of site conditions. The scope of this study included assessment of site soil and indoor air conditions in the context of the RECs identified in the April 2024 TRC Phase I ESA.

TRC limited the scope of work for this Phase II ESA to the allocated grant budget. The tasks listed below were intended to assess current site conditions and to support future redevelopment planning and anticipated additional assessment, characterization and/or site remediation:

- Collect soil samples in the earthen basement to identify soil impact (if any).

- Collect indoor air samples for screening.

The results were used to determine whether chemical constituent concentrations in sampled media were greater than residential and commercial/industrial risk-based screening levels (RSLs), where applicable, and to evaluate the indoor air quality at the subject property and need for additional assessment or remedial action and/or exposure controls.

4.0 SUMMARY OF SITE CONCEPTUAL MODEL AND RATIONALE

The REC and areas assessed under this Phase II ESA are summarized above. Detailed discussion of the site conceptual model and rationale for the assessment activities is presented below. Soil, and indoor air quality were identified as the most likely media for potential impact. Inorganics, VOCs, and SVOCs are the primary COCs. COCs could enter the environment via surface releases. Groundwater in not included as a primary media of concern because the Site is in an urban area and is currently connected to public water. Future use is expected to also use public water, which eliminates exposure via the ingestion pathway. Based on the nature and types of historic activities at the subject property and adjacent/vicinity sites, select constituents of concern (COCs) were analyzed as part of this assessment as detailed in the sections below.

5.0 FIELD INVESTIGATION AND SAMPLING ACTIVITIES

Field work included the following tasks (date completed):

- Hand auger soil logging and sampling (June 13, 2024)
- Interior air sampling (June 13, 2024)

Final sample locations are illustrated on **Figure 3**. Sample location deviations from planned efforts (if any) are noted in section 7.0. Field documentation is included on field notes and logs included in **Attachment 3**. In general, field activities, observations, and sample specifics are included on individual boring logs and sampling records included in **Attachment 3**. Field investigation activities were conducted in general accordance with the methods specified in the SOPs for field activities presented in the QAPrP prepared for the City of Lynchburg Economic Development Authority's Brownfield Redevelopment Program; copies of the SOPs are included in **Attachment 3**. Site-specific health and safety measures were defined based on anticipated hazards and reviewed with field staff at the start of field effort; a copy of the signed site-specific Health and Safety Plan (HASP) is included in **Attachment 3**.

5.1 Direct-Push Soil Logging and Sampling

TRC collected soil samples from four (4) soil borings (SB-1-1, SB-1-2, SB-2-1, and SB-2-2; **Figure 3**) in the basement under the former sanctuary to further investigate and characterize the extent of impact of coal storage in the space.

TRC advanced the soil borings using a hand auger to auger refusal. Soils recovered from the auger bucket were observed, logged, and field-screened for indication of potential impact.

A photoionization detector (PID), calibrated prior to field screening activities, was used during soil sample collection field activities to assist in identification of potentially impacted soil horizons. Soils collected from each boring were field screened with the PID for the presence of volatile compounds. The PID field screening measurements did not indicate volatile compounds were present in soil vapors. Based on field observations, the soils encountered consisted primarily of medium brown silty clay from the surface to auger refusal about 1' below grade surface (bgs).

Soil samples, including four (4) grab samples, one blind field duplicate, and one project-specific matrix spike sample/matrix spike duplicate sample were collected from specified depth intervals into laboratory-provided containers specific to the type of analysis being performed. A laboratory-supplied trip blank was submitted for laboratory analysis. Sample collection IDs, boring locations, sample depths, rationale, and chemical analyses are detailed in section B2 of the approved Field Sampling Plan (TRC, 2024). All samples were shipped in coolers with ice next-day air.

5.2 Indoor Air Sampling

TRC sampled indoor air at seven (7) interior locations:

- IAQ-1 and IAQ-2 were located in the earth basement near the southeast corner of the building in the area of the identified REC documented in the TRC, 2024 Phase I ESA, which is accessed from the building exterior.
- IAQ-3 was located in a separate basement along the southern portion of the building which is accessed from the building exterior.
- IAQ-4 was located in the basement of the current police department offices and was the only basement sample location accessed from the first floor of the building.
- IAQ-5 was located in the former sanctuary.
- IAQ-6 was located in a small room along the central corridor east of the main entrance.
- IAQ-7 was located in a conference room in the current police offices.

A blind field duplicate (DUP; duplicate of sample IAQ-4) and ambient sample (IAQ-AMB), taken along the building exterior near the main Court Street entrance. were also collected.

The sampling apparatus included a 6-liter Summa canister equipped with an 11 ml/minute flow controller and pressure gauge. Prior to sampling, TRC personnel performed a leak detection "shut

in" test of each summa flow controller. The shut-in test involved checking each canister/flow controller pair for leaks using a criteria of greater than 25 inches of mercury (in Hg) initial vacuum reading on the gauge to indicate sufficient vacuum, and maintenance of this reading when all valves were closed. During the shut-in test, all canisters measured and maintained a reading of at least 25 in Hg vacuum. Following the shut-in test, TRC opened the valves on the sample ports and closed the valves when pressure on the flow controller gauge measured no greater than a target final vacuum of 5 inches Hg. TRC recorded the final time and vacuum readings, collected the canisters, removed the flow controllers, and capped the connections. TRC personnel delivered the samples under standard chain-of-custody protocol to Enthalpy Analytical in Durham, North Carolina for VOC analysis by EPA compendium method TO-15.

6.0 LABORATORY ANALYSIS

Soil samples were submitted by overnight courier to ELLE for specified chemical analysis. ELLE is accredited under the Virginia Environmental Laboratory Accreditation Program (VELAP); VELAP documentation is included in **Attachment 5**.

The soil samples, where applicable, were collected in the following order and analyzed for the constituents of concern:

- SW-846 Method 8260D- TAL VOCs (soil)
- SW-846 Method 8270E/8270E SIM - TAL SVOCs (soil)
- SW-846 Method 6010D – TAL Metals (soil)
- SW-846 Method 7471A – Mercury (soil)
- SW0846 Method 8082A – TAL PCBs (soil)

All indoor air samples were analyzed for VOCs by EPA Compendium Method TO-15.

Matrix spike and matrix spike duplicate soil samples and blind duplicate soil and indoor air samples were submitted for the analytical suite as presented above. A trip blank was analyzed for VOCs. **Attachment 2** presents tables summarizing the laboratory analytical data. Copies of the laboratory certificates of analysis, sample chain of custody documentation, and VELAP certification documentation are included in **Attachment 5**.

6.1 Summary of Analytical Results and Comparison to Screening Levels

Analytical results for soil and indoor air samples were compared to the most recent USEPA Regional Screening Levels (RSLs) for the specified media. The laboratory analytical results for the media sampled were compared to the applicable USEPA industrial and residential RSLs for soil and the USEPA RSLs for industrial and residential air.

6.1.1 Soil

Because the redevelopment plans at the subject property remain fluid, the soil sample analytical results were compared to both industrial and residential exposure scenarios. **Table 1.1** summarizes the constituent concentrations detected in soil samples collected from borings SB-1-1 through SB-2-2 with comparison to the USEPA RSLs for industrial and residential soil. **Table 1.2** presents all laboratory analytical results for the soil samples collected from borings SB-1-1 through SB-2-2.

The lab detected the following compounds at concentrations greater than their respective USEPA RSLs:

- Arsenic, at concentrations of 17 mg/kg, 7.2 mg/kg and, 4.2 mg/kg in SB-1-1, SB-1-2, and SB-2-2, which are above both the USEPA industrial (3 mg/kg) and residential (0.68 mg/kg) RSLs for soil. Additionally, arsenic was detected at 2.8 mg/kg in SB-2-1, which above the USEPA residential RSL for soil. These results are typical of background arsenic concentrations in the region.
- Benzo[a]pyrene, at a concentration of 0.16 mg/kg in SB-1-1, which is above the USEPA residential (0.11 mg/kg) RSL for soil. Benzo[a]pyrene was non detect in the associated blind field duplicate of SB-1-1.
- Dibenz(a,h)anthracene, at a concentration of 0.15 mg/kg and 0.17 mg/kg in SB-1-1, which is above the USEPA residential (0.11 mg/kg) RSL for soil. The results are from the SW-846 Method 8270E and SW-846 Method 8270E SIM, respectively. Dibenz(a,h)anthracene was non detect in the associated blind field duplicate of SB-1-1.
- Iron, at a concentration of 61,000 mg/kg in SB-1-1, which is above the USEPA residential (55,000 mg/kg) RSL for soil.
- Other analytes were detected in samples, but none were detected at concentrations greater than their USEPA RSLs.

6.1.2 Indoor Air

TRC compared the indoor air analytical results to the USEPA industrial and residential RSLs for industrial and residential air. **Table 2** summarizes the constituents detected in the indoor air samples at concentrations greater than their respective USEPA RSLs for industrial and residential ambient air for indoor air samples IAQ-1, IAQ-2, IAQ-3, IAQ-4, IAQ-5, IAQ-6, IAQ-7, IAQ-AMB, and IAQ-DUP (blind field duplicate of sample). **Figure 3** shows all sample locations.

The lab detected the following compounds at concentrations greater than their respective USEPA RSLs:

- Benzene, at a concentration of 0.89 ug/m^3 in IAQ-1, which is above the USEPA residential (0.36 ug/m^3) RSL for ambient air. Benzene was not detected at or above the method detection limit (MDL) or reporting limit (QL/RL) in remaining samples.

- Ethylbenzene, at a concentration of 3.6 ug/m^3 in IAQ-1, which is above the USEPA residential (1.1 ug/m^3) RSL for air. Ethylbenzene was not detected at or above the method detection limit (MDL) or reporting limit (QL/RL) in remaining samples.

- Naphthalene, at concentrations of 3.7 ug/m^3 in IAQ-4, 3.3 ug/m^3 in IAQ-5, and 3.0 ug/m^3 in IAQ-7, and which is above the USEPA industrial (0.36 ug/m^3) and residential (0.083 ug/m^3) RSLs for air. Naphthalene was not detected in the duplicate, which was of sample IAQ-4.

- Vinyl chloride, at a concentration of 0.56 ug/m^3 in IAQ-1, which is above the USEPA residential (0.17 ug/m^3) RSL for air. Vinyl chloride was not detected at or above the method detection limit (MDL) or reporting limit (QL/RL) in remaining samples.

- Other VOCs were detected in samples, but none were detected at concentrations greater than their USEPA RSLs.

7.0 SITE LIMITATIONS, DEVIATIONS FROM THE SOPS, AND DATA GAPS

The following site limitations, deviations from the SOPs, and data gaps were noted:

- Indoor air samples did not include matrix spike and matrix spike duplicate samples because it is not required for EPA Method TO-15.

8.0 SITE CONCEPTUAL MODEL VALIDATION/ADEQUACY OF INVESTIGATION

The site conceptual model identified soil and indoor air as the most likely media for potential impact from former on-site activities. Soil sampling locations were located within likely areas of potential impacts from historical operations. Indoor air sampling locations were located both within spaces that are regularly occupied by people and spaces that might be occupied during building maintenance. Samples were collected as planned except for the deviations specified in

Section 7.0 and analyzed for the constituents of concern consistent with analytical methods indicated in the sample design.

The constituents of concern were selected to provide a comprehensive evaluation of potential impact from historical uses based on the identified RECs. Soil borings were advanced to auger refusal in the earthen-floored basement and samples were collected in areas with the highest PID reading. Summa canisters were used to evaluate indoor air quality throughout the West Building.

The results of this Phase II ESA support the sampling rationale and conceptual model.

9.0 SUMMARY OF FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

This Phase II ESA was conducted in accordance with generally accepted standards of environmental practice and the scope of limitations of ASTM E 1903-19. The specific activities described herein were completed using the budgeted resources allocated for this effort. Based on TRCs interpretation of the data, the objectives of this assessment (i.e., to assess soil and indoor air in the context of the REC identified in the April 2024 TRC Phase I ESA as described above) were met. The findings and conclusions presented in this report apply only to the REC assessed.

9.1 Findings

The purpose of this assessment was to evaluate the RECs identified in the April 2024 Phase I ESA associated with former historical use. Laboratory analytical results for the media sampled were compared to the applicable USEPA Industrial and Residential RSLs for soil and air due to flexible redevelopment plans.

The following presents a summary of Phase II ESA activities and findings. **Attachment 1** presents figures illustrating the subject property and activities completed under this Phase II ESA. **Attachment 2** presents tables summarizing the laboratory analytical data. **Attachment 3** includes field notes and other field documentation including the site-specific Health and Safety Plan (HASP) followed during field activities, and Standard Operating Procedures (SOPs) for field activities. **Attachment 4** includes laboratory certificates of analysis. **Attachment 5** includes chain of custody documentation, and Virginia Environmental Laboratory Accreditation Program (VELAP) documentation. Throughout this report, "current" is used to reference site conditions as of the date of the field work. A summary of the Phase II ESA findings is detailed below.

Soil

- Four soil samples were collected from four soil borings at depths of approximately 1 ft bgs.

- All soil samples were analyzed for metals, PCBs, SVOCs and SVOCs. Results were compared to the USEPA Residential and Industrial RSLs. Arsenic was detected in all samples above the Residential RSL. Detections in SB-1-1, SB-1-2, and SB-2-2, were also above the industrial RSL. These results are typical of background concentrations in the region.
- Dibenz(a,h)anthracene, benzo[a]pyrene, and iron were detected in SB-1-1 above the respective residential RSLs. However, dibenz(a,h)anthracene and benzo[a]pyrene were not detected above their respective residential RSLs in the associated blind field duplicate of SB-1-1.

Indoor Air Quality

- Seven indoor air quality samples were collected: IAQ-1 through IAQ-4 (located in the building's basements), IAQ-5 through IAQ-7 (located throughout the first floor of the building).
- Naphthalene was detected in indoor air samples IAQ-4, IAQ-5, and IAQ-7 at concentrations greater than the USEPA Industrial and residential RSLs for air. If the sample results are not the result of laboratory error, they could indicate the presence of a potential health risk to building occupants based on indoor air quality.
- Benzene, ethylbenzene, and vinyl chloride were detected above the USEPA residential RSL for air in sample IAQ-1. Sample IAQ-1 was taken in the basement under the sanctuary where the REC was identified. This basement is only accessible from the outside and the analytes were not detected at or above the method detection limit (MDL) or reporting limit (QL/RL) in any of the remaining samples. Thus, there is no evidence that the vapor associated with the REC poses risk to the first floor or other occupied parts of the building.

9.2 Conclusions and Recommendations

Draper Aden Associates, LLC, a TRC Company, performed this Phase II ESA at the West Building property located at 8050 Court Street, in Lynchburg, Virginia, in conformance with the scope and limitations of ASTM Practice E 1903-19 and the various planning documents, and for the statement of objectives described above. Phase II ESA data gaps, conclusions, and recommendations are provided below.

REC 1 – Potential impacts from historical operations surrounding the coal fired boiler in the sanctuary basement located near the southwest corner of the subject property.

The results of this Phase II ESA indicate the detections of a few volatile organic chemical concentrations, some of which exceed the USEPA residential screening levels. Only one constituent naphthalene exceeds its USEPA residential and industrial screening levels. Naphthalene was not detected in the samples taken in the basement where the REC was located, (IAQ-1 and IAQ-2) There is no evidence the REC is the source of the naphthalene. The absence of naphthalene in the blind duplicate while IAQ-4 had an exceedance indicates one possible

source of the naphthalene is laboratory error. The naphthalene source could also be materials or products used in the building.

Elevated concentrations of three other VOCs were observed in indoor air in the basement and first floor of both the former sanctuary and the current police offices. However, none of these constituents were detected in the indoor air sample in the sanctuary above. Thus, there is no evidence of the REC impacting the indoor air in the building's occupied spaces.

Constituents typically present in coal (e.g., metals and semi-volatiles) were detected at concentrations greater than their respective USEPA residential screening levels, and in the case of arsenic, at concentrations greater than the USEPA industrial screening level. However, these concentrations were not observed above naturally occurring background levels in the region.

Additional constituents typically present in coal were also detected at concentrations less than their USEPA industrial and residential screening levels in soil samples. There is no known coal storage area on the property beyond the basement under the former sanctuary.

Data Gaps

- Not all areas of the site were evaluated due to budget limitations. The sampling plan was developed to maximize sampling effort and to provide as much information as possible to evaluate RECs. This assessment did not fully eliminate the potential for hot spots or improper fill or disposal.

Recommendations

Soils

The presence of inorganic parameters and SVOCs in site soil may require special handing or additional sampling if disturbance including site grading, excavation, or removal are planned. Risk to human health and the environment from contact with soil for future use of the subject property based on samples collected is considered minimal with the exception of elevated metals and SVOC concentrations with surface/shallow samples in the sanctuary basement that may be present and disturbed during redevelopment. Special handling or disposal may be warranted if the surface material is disturbed.

Indoor Air

Naphthalene was detected in three of the seven indoor air samples collected above the industrial RSL and was not detected in the remaining samples. IAQ-4 detected naphthalene above the industrial RSL; however, the duplicate sample, taken from the same space as IAQ-4, did not detect naphthalene, nor was naphthalene detected in the two basement samples (IAQ-1 and IAQ-2) located under the elevated concentration detected in the sanctuary (IAQ-5). Naphthalene was also not detected in the outdoor ambient sample collected.

Benzene, ethylbenzene, and vinyl chloride were detected in sample IAQ-1, above their respective residential RLSs but below the industrial RSL. These analytes were not detected in the remaining samples. Additionally, sample IAQ-2, taken in the same sanctuary basement as IAQ-1 but within a different room, did not report any analytes above applicable residential or industrial RSLs.

Common household naphthalene sources include cigarette smoke, mothballs, urinal cakes, and insecticides and to a lesser extent the off-gassing of paints, caulking, stains, flooring, and carpeting. Recommendations to address current indoor air quality concerns include investigating potential sources of naphthalene in the building and conducting confirmatory sampling, if warranted.

Redevelopment options should include best practices to mitigate exposure to constituents in soil and indoor air. Concentrations of detected constituents do not preclude subject property redevelopment planning; however, these findings should be incorporated into site redevelopment planning and site worker health and safety relative to the known planned redevelopment.
This assessment does not represent an exhaustive characterization of the subject property, and the potential for areas with higher concentrations (i.e., hot spots) than those characterized within this field effort cannot be eliminated. The sample design was based on allocated grants funds and a comprehensive site evaluation was not conducted nor implied. Additional sampling is recommended if additional data gap evaluation or additional information is desired for a more comprehensive understanding of current site conditions as part of redevelopment planning.

References:

1. ASTM E 1903-19, *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, 2019.

2. Draper Aden Associates LLC, a TRC Company, 2024, *Generic Quality Assurance Program Plan (QAPrP) for Phase II Environmental Site Assessments (ESAs)* Virginia Department of Environmental Quality (VDEQ), City of Lynchburg Economic Development Authority, Submitted April 3, 2024 and Approved April 4, 2024.

3. Draper Aden Associates LLC, a TRC Company, 2024, *Phase I Environmental Site Assessment: West Building – 805 Court Street, Lynchburg, Virginia*, Brownfields Redevelopment Program, TRC JN 519073 April 17, 2024.

4. Draper Aden Associates LLC, a TRC Company, 2024, *Phase II Environmental Site Assessment Field Sampling Plan: West Building – 805 Court Street, Lynchburg, Virginia*, Brownfields Redevelopment Program, TRC JN 519073 April 30, 2024.

5. Draper Aden Associates, 2022, *Phase I Environmental Site Assessment: West Building – 805 Court Street, Lynchburg, Virginia*, Brownfields Redevelopment Program, DAA JN B12188B-10HM February 22, 2022.

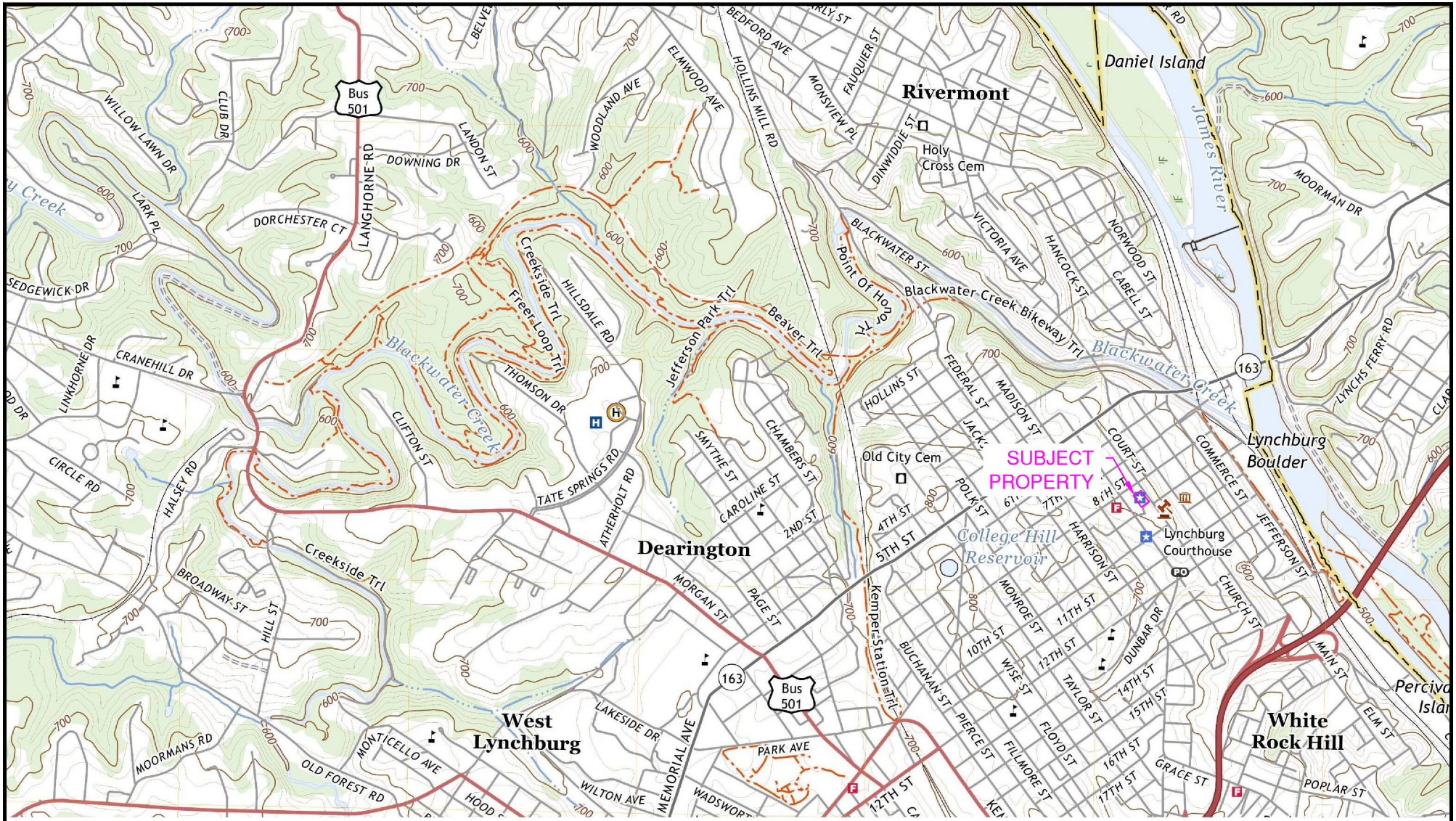
6. USEPA Regional Screening Levels for Chemical Contaminants at Superfund Sites. (RSL) Summary Table (TR=1E-06, HQ=1), May 2024, https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

7. Virginia Department of Environmental Quality (VDEQ) Voluntary Remediation Program (VRP) Screening Levels. Currently available online at: https://www.deq.virginia.gov/land-waste/land-remediation/voluntary-remediation/risk-assessment

8. Vosnakis, Kelly A.S. and Perry, Elizabeth, 2009, Background Versus Risk-Based Screening Levels – An Examination of Arsenic Background Soil Concentrations in Seven States, "International Journal of Soil, Sediment and Water: Vol. 2: Iss. 2, Article 2. Available at: http//scholarworks,umass,edu/intljssw/vol2/iss2/2.

ATTACHMENT 1

Figures



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Richmond, VA	Newport News, VA
Blacksburg, VA	Northern Virginia
Charlottesville, VA	Virginia Beach, VA

NOTES:
- BACKGROUND FROM USGS LYNCHBURG, VA QUADRANGLE DATED 2022

0 2000 4000 Feet

SITE LOCATION MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT

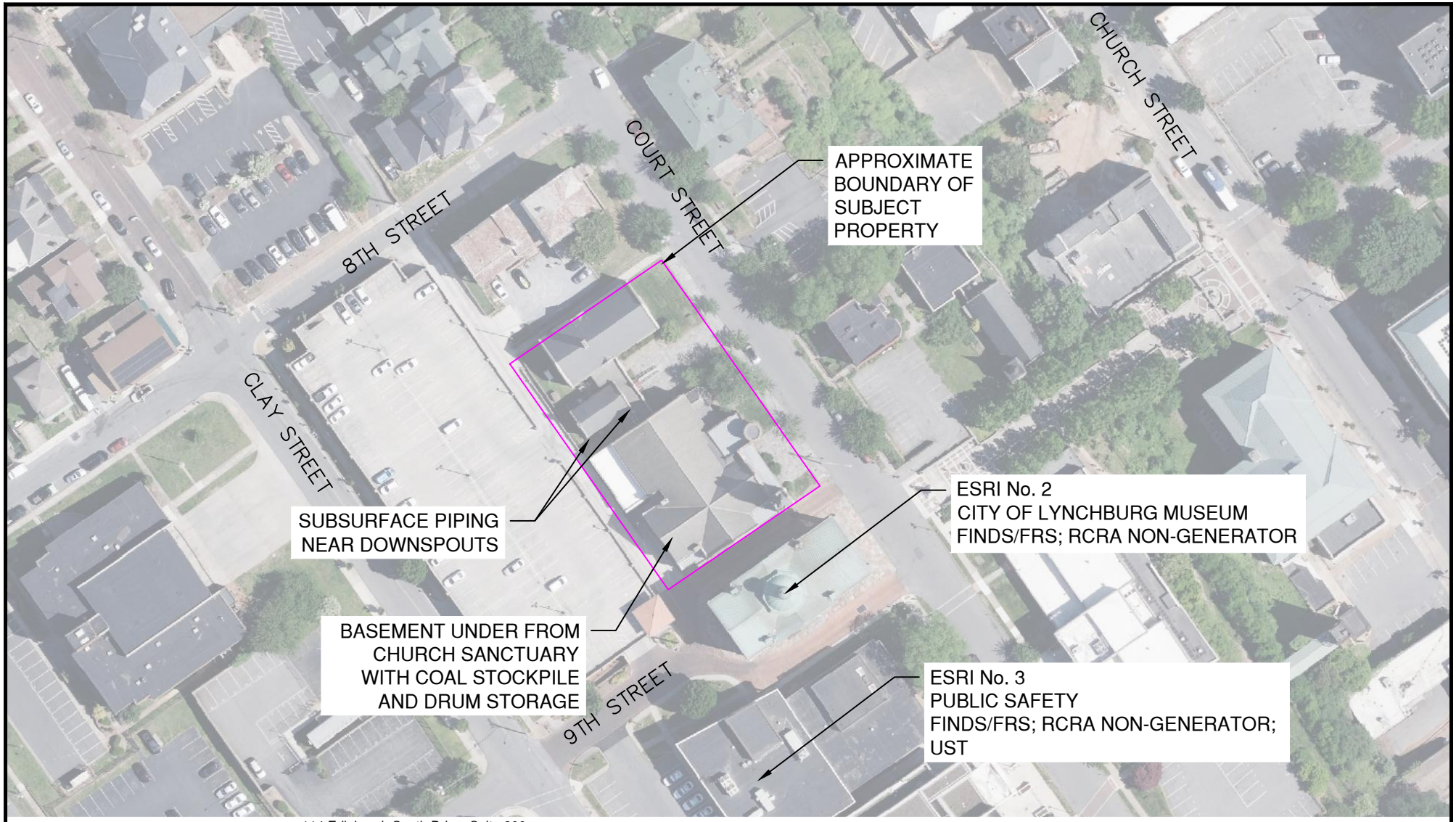
WEST BUILDING - 805 COURT STREET, LYNCHBURG, VA

DESIGNED	
DRAWN	PNP
CHECKED	
DATE	03-24

PROJECT: 519073

SCALE: 1"=2000'

FIGURE 1



TRC ENGINEERS, INC.
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Cary, NC 27511
919-873-1060 Fax: 919-873-1074
NC Firm License # F-0591
Richmond, VA | Newport News, VA
Blacksburg, VA | Northern Virginia
Charlottesville, VA | Virginia Beach, VA

NOTES:
- BACKGROUND FROM USGS LYNCHBURG, VA QUADRANGLE DATED 2022

N
0 100 200 Feet

SITE DETAIL MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT

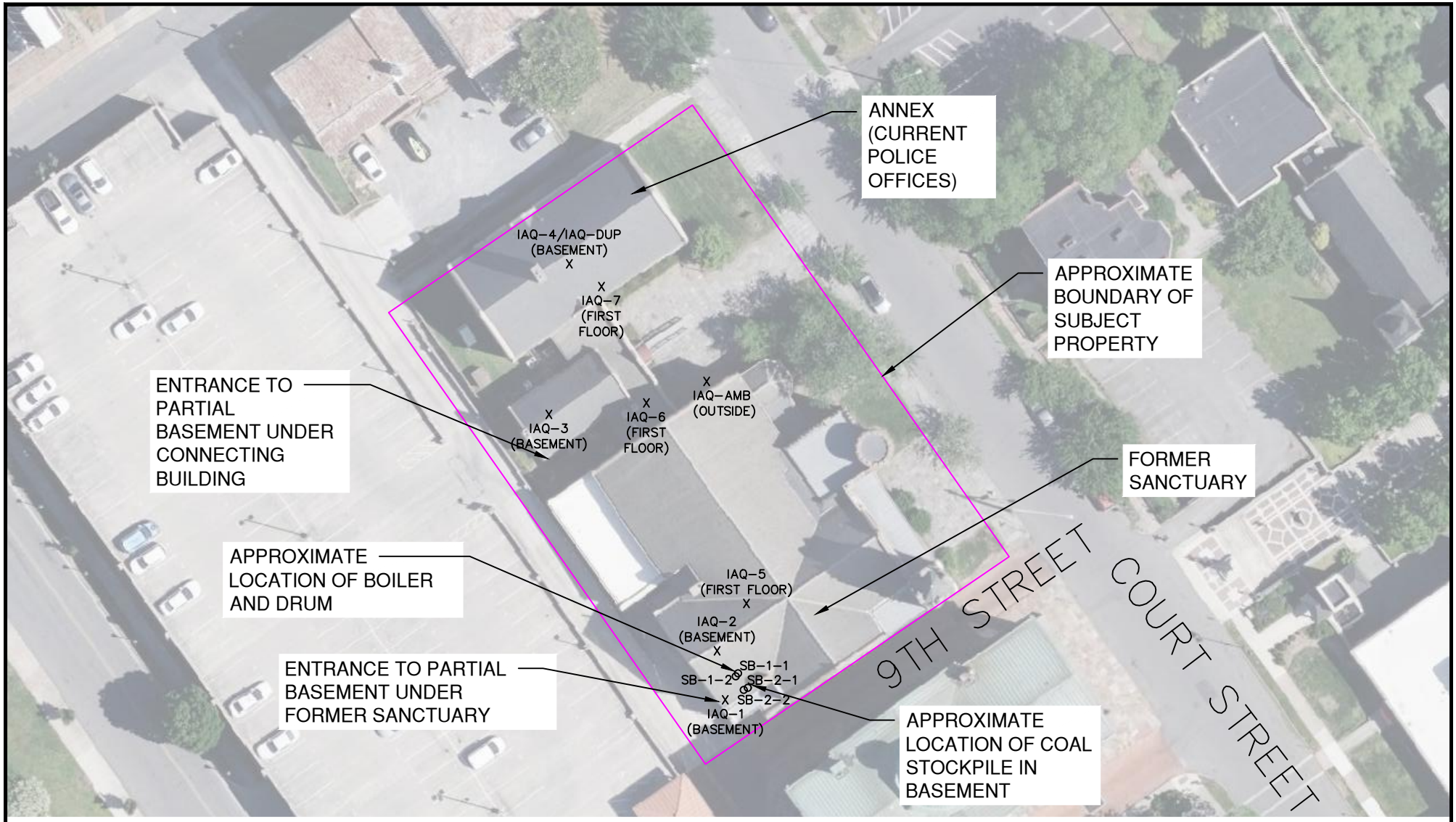
WEST BUILDING - 805 COURT STREET, LYNCHBURG, VA

DESIGNED	
DRAWN	PNP
CHECKED	
DATE	03-24

PROJECT: 519073

SCALE: 1"=200'

FIGURE 2



TRC ENGINEERS, INC.
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LEGEND

SB-2 SOIL BORING LOCATION

IA-2 INDOOR AIR SAMPLE LOCATION

N

NOTES:

- BACKGROUND FROM USGS LYNCHBURG, VA QUADRANGLE DATED 2022

0 50 100 Feet

SITE SAMPLE MAP

PHASE II ENVIRONMENTAL SITE ASSESSMENT

WEST BUILDING - 805 COURT STREET, LYNCHBURG, VA

DESIGNED	PNP
DRAWN	PNP
CHECKED	RS
DATE	07-24

PROJECT: 519073

SCALE: 1"=50'

FIGURE 3

ATTACHMENT 2

Tables

Table1.1: SUMMARY OF SOIL ANALYTICAL DETECTIONS
805 Court Street
Lynchburg, Virginia
Phase II Environmental Site Assessment
June 13, 2024

Sample ID	CAS#	USEPA Industrial RSL (mg/kg)	USEPA Residential RSL (mg/kg)	SB-1-1		SB-1-2		SB-2-1		SB-2-2		FIELD DUP		Trip Blank 1	
Units				mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		ug/L	
Sampling Depths				0-2'		0-2'		0-2'		0-2'		0-2'			
8260D - Volatile Analysis (mg/kg)				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Acetone	67-64-1	1,100,000	70,000	0.36	U	0.35	U	0.33	U	0.33	U	0.34	U	**5.6**	
Methylene Chloride	75-09-2	1,000	57	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	**0.83**	

Sample ID	CAS#	Industrial RSL (mg/kg)	Residential RSL (mg/kg)	SB-1-1		SB-1-2		SB-2-1		SB-2-2		FIELD DUP	
Units				mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
8270E - Semivolatiles				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1'-Biphenyl	92-52-4	200	47	**0.025**	J	0.018	U	0.018	U	0.019	U	**0.024**	J
1-Methylnaphthalene	90-12-0	0.77	0.18	**0.025**		**0.0067**	J	**0.043**		**0.063**		**0.025**	
2-Methylnaphthalene	91-57-6	3,000	240	**0.066**		**0.012**	J	**0.057**		**0.16**		**0.063**	
Acenaphthene	83-32-9	45,000	3,600	**0.0063**	J	0.0036	U	0.0036	U	**0.004**	J	0.0036	U
Acenaphthylene	208-96-8	23,000 (4)	1,800 (4)	**0.017**	J	**0.0043**	J	0.0043	U	0.0045	U	**0.01**	J
Anthracene	120-12-7	230,000	18,000	**0.047**		**0.011**	J	0.0036	U	**0.01**	J	**0.039**	
Benzo[a]anthracene	56-55-3	21	1.1	**0.29**		**0.051**		**0.0093**	J	0.0037	U	**0.2**	
Benzo[a]pyrene	50-32-8	2.1	0.11	**0.15**		**0.04**		**0.0072**	J	0.0037	U	**0.096**	
Benzo[b]fluoranthene	205-99-2	21	1.1	**0.8**		**0.12**		**0.032**		0.0037	U	**0.59**	
Benzo[g,h,i]perylene	191-24-2	23,000 (4)	1,800 (4)	**0.35**		**0.084**		**0.025**		**0.0039**	J	**0.27**	
Benzo[k]fluoranthene	207-08-9	210	11	**0.16**		**0.034**		**0.009**	J	0.0037	U	**0.12**	
Bis(2-ethylhexyl) phthalate	117-81-7	160	39	**0.43**		0.072	U	0.072	U	0.075	U	**0.4**	
Caprolactam	105-60-2	400,000	31,000	0.036	U	0.036	U	0.036	U	0.037	U	**0.051**	J
Carbazole	86-74-8	NE	NE	**0.043**		0.018	U	0.018	U	0.019	U	**0.032**	J
Chrysene	218-01-9	2,100	110	**0.61**		**0.083**		**0.028**		**0.01**	J	**0.51**	
Dibenz(a,h)anthracene	53-70-3	2.1	0.11	**0.15**		**0.029**		0.0072	U	0.0075	U	**0.11**	
Dibenzofuran	132-64-9	1,200	78	**0.05**		0.018	U	0.018	U	0.019	U	**0.045**	
Di-n-butyl phthalate	84-74-2	82,000	6,300	**0.088**	J	0.072	U	0.072	U	0.075	U	0.072	U
Fluoranthene	206-44-0	30,000	2,400	**0.31**		**0.048**		**0.0049**	J	0.0037	U	**0.22**	
Fluorene	86-73-7	30,000	2,400	**0.013**	J	0.0036	U	0.0036	U	0.0037	U	**0.0096**	J
Indeno[1,2,3-cd]pyrene	193-39-5	21	1.1	**0.27**		**0.063**		**0.014**	J	0.0045	U	**0.2**	
Naphthalene	91-20-3	8.6	2	**0.081**		**0.018**		**0.014**	J	**0.017**	J	**0.076**	
Phenanthrene	85-01-8	23,000 (4)	1,800 (4)	**0.26**		**0.052**		**0.013**	J	**0.07**		**0.21**	
Pyrene	129-00-0	23,000	1,800	**0.22**		**0.043**		**0.0052**	J	**0.012**	J	**0.15**	

Table1.1: SUMMARY OF SOIL ANALYTICAL DETECTIONS
805 Court Street
Lynchburg, Virginia
Phase II Environmental Site Assessment
June 13, 2024

Sample ID	CAS#	Industrial RSL (mg/kg)	Residential RSL (mg/kg)	SB-1-1		SB-1-2		SB-2-1		SB-2-2		FIELD DUP	
Units				mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
8270E SIM - Semivolatiles				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Acenaphthene	83-32-9	45,000	3,600	**0.0071**		**0.0012**	J	**0.0022**		**0.0035**		**0.004**	
Acenaphthylene	208-96-8	NE	NE	**0.015**		**0.0032**		**0.0024**		**0.0022**		**0.008**	
Anthracene	120-12-7	230,000	18,000	**0.047**		**0.0096**		**0.0026**		**0.0091**		**0.032**	
Benzo[a]anthracene	56-55-3	21	1.1	**0.3**		**0.057**		**0.011**		**0.0045**		**0.17**	
Benzo[a]pyrene	50-32-8	2.1	0.11	**0.16**		**0.04**		**0.0066**		**0.0021**		**0.093**	
Benzo[b]fluoranthene	205-99-2	21	1.1	**1.0**	J	**0.13**	J	**0.036**	J	**0.0036**	J	**0.76**	J
Benzo[g,h,i]perylene	191-24-2	NE	NE	**0.39**	J	**0.081**	J	**0.024**	J	**0.0029**	J	**0.26**	J
Benzo[k]fluoranthene	207-08-9	210	11	**0.2**		**0.039**		**0.014**		0.00075	U	**0.14**	
Chrysene	218-01-9	2,100	110	**0.69**	J	**0.085**	J	**0.037**	J	**0.0097**	J	**0.61**	J
Dibenz(a,h)anthracene	53-70-3	2.1	0.11	**0.17**		**0.029**		**0.0068**		**0.00078**	J	**0.11**	
Fluoranthene	206-44-0	30,000	2,400	**0.33**		**0.049**		**0.0047**		**0.0041**		**0.22**	
Fluorene	86-73-7	30,000	2,400	**0.013**		**0.0022**		**0.0009**	J	**0.0019**		**0.0081**	
Indeno[1,2,3-cd]pyrene	193-39-5	21	1.1	**0.42**		**0.081**		**0.018**		**0.0015**	J	**0.26**	
Naphthalene	91-20-3	8.6	2	**0.098**	J	**0.019**	J	**0.016**	J	**0.018**	J	**0.082**	J
Phenanthrene	85-01-8	NE	NE	**0.3**	J	**0.051**	J	**0.014**	J	**0.076**	J	**0.22**	J
Pyrene	129-00-0	23,000	1,800	**0.26**		**0.047**		**0.0052**		**0.011**		**0.14**	
Sample ID	**CAS#**	**Industrial RSL (mg/kg)**	**Residential RSL (mg/kg)**	**SB-1-1**		**SB-1-2**		**SB-2-1**		**SB-2-2**		**FIELD DUP**	
Units				**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**	
GC Semivolatiles - 8082A				**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
PCB-1260	11096-82-5	0.99	0.24	0.0069	UJ	**0.0072**	J	0.007	UJ	0.0072	U	0.0069	U
Sample ID	**CAS#**	**Industrial RSL (mg/kg)**	**Residential RSL (mg/kg)**	**SB-1-1**		**SB-1-2**		**SB-2-1**		**SB-2-2**		**FIELD DUP**	
Units				**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**	
Metals - 6010D / 7471A				**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Aluminum	7429-90-5	1,100,000	77,000	**26000**		**26000**		**18000**		**21000**		**27000**	
Antimony	7440-36-0	470	31	**0.91**	J	**0.4**	J	0.084	UJ	**0.091**	J	**0.71**	J
Arsenic	7440-38-2	3	0.68	**17**		**7.2**		**2.8**		**4.2**		**12**	
Barium	7440-39-3	220,000	15,000	**210**	J	**130**	J	**23**	J	**29**	J	**140**	J
Beryllium	7440-41-7	2,300	160	**0.92**		**0.49**		**0.76**		**0.52**		**0.99**	
Cadmium	7440-43-9	100	7.1	**0.53**		**0.11**		**0.051**	J	0.042	U	**0.33**	
Calcium	7440-70-2	NE	NE	**11000**	J	**13000**	J	**1100**	J	**680**	J	**4600**	J
Chromium	7440-47-3	1,800,000 (2)	120,000 (2)	**30**		**30**		**16**		**25**		**23**	
Cobalt	7440-48-4	350	23	**6.6**		**4.3**		**3.1**		**2.9**		**5.3**	
Copper	7440-50-8	47,000	3,100	**36**	J	**16**	J	**28**	J	**17**	J	**40**	J
Iron	7439-89-6	820,000	55,000	**61000**		**33000**		**47000**		**33000**		**78000**	
Lead	7439-92-1	800	400	**150**	J	**70**		**24**		**13**		**230**	J
Magnesium	7439-95-4	NE	NE	**2400**	J	**3100**	J	**340**	J	**280**	J	**640**	J
Manganese	7439-96-5	26,000	1,800	**170**	J	**240**	J	**53**	J	**67**	J	**140**	J
Nickel	7440-02-0	17,000 (3)	1,400 (3)	**19**		**21**		**9.7**		**7.5**		**16**	
Potassium	7440-09-7	NE	NE	**1000**	J	**1500**	J	**430**	J	**620**	J	**710**	J
Selenium	7782-49-2	5,800	390	**4.6**		**1.1**		**0.67**		**0.81**		**3.4**	
Silver	7440-22-4	5,800	390	**0.14**		**0.13**		0.043	U	0.043	U	**0.055**	J
Sodium	7440-23-5	NE	NE	**680**	J	**290**		**76**		**31**	J	**410**	J
Thallium	7440-28-0	12	0.78	**0.49**		**0.24**		**0.11**		**0.16**		**0.38**	
Vanadium	7440-62-2	5,800	390	**42**		**45**		**20**		**30**		**35**	
Zinc	7440-66-6	350,000	23,000	**170**	J	**59**	J	**66**	J	**32**	J	**140**	J
Mercury	7439-97-6	46	11	**0.22**		**0.36**		**0.029**	J	**0.058**	J	**0.11**	

Table1.1: SUMMARY OF SOIL ANALYTICAL DETECTIONS
805 Court Street
Lynchburg, Virginia
Phase II Environmental Site Assessment
June 13, 2024

Bold indicates detected result.
Notes:
U - Denotes analyte not detected at or above method detection limit or quantitation limit.
U J - Denotes analyte not detected at or above method detection limit (MDL) or quantitation limit (QL) and MDL and QL are estimated.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NS - Denotes not sampled.
NE - Denotes not established.
https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables
RSL - Denotes Regional Screening Level - United States Environmental Protection Agency Region Regional Screening Level (RSL) Summary Table May 2024 (TR=1E-06 THQ=1.0)
Q - Denotes laboratory data qualifier. See laboratory results for specific qualifier definition.
B - Denotes result considered influenced by laboratory contamination
JB - Denotes result considered influenced by laboratory contamination and result/QL considered estimated
MDL and RL denote laboratory method detection limit and reporting limit, respectively
(1) 3-Methylphenol and 4-Methylphenol cannot be resolved. Result is combination of both results.
(2) Chromium III, Insoluble Salts was selected as a screening value for total chromium.
(3) Nickel Soluble Salts was selected as the screening value for total nickel.
(4) Pyrene was selected as a surrogate for non-carcenogenic PAHs (acenaphthylene, benzo[g,h,i]perylene and phenanthrene).
Due to limitations of analytical methods and budget constraints, there may be certain instances where the laboratory quantitation or detection limits are greater than the project action levels. However, this should not hinder this assessment, as a comprehensive review of all analytical results across the site will help determine if further evaluation beyond the scope of this assessment may be required.
-Denotes detected above industrial regulatory limit
-Denotes detected above residential regulatory limit

Table 1.2: SOIL ANALYTICAL RESULTS
805 Court Street
Lynchburg, Virginia
Phase II Environmental Site Assessment
June 13, 2024

Sample ID	CAS#	USEPA Industrial RSL (mg/kg)	USEPA Residential RSL (mg/kg)	SB-1-1		SB-1-2		SB-2-1		SB-2-2		FIELD DUP		Trip Blank 1	
Units				mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		ug/L	
Sampling Depths				0-2'		0-2'		0-2'		0-2'		0-2'			
8260D - Volatile Analysis (mg/kg)				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1-Trichloroethane	71-55-6	36,000	8,100	0.042	U	0.041	U	0.039	U	0.038	U	0.04	U	0.08	U
1,1,2,2-Tetrachloroethane	79-34-5	2.7	0.6	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.1	U
1,1,2-Trichloroethane	79-00-5	5	1.1	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.08	U
1,1-Dichloroethane	75-34-3	16	3.6	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.1	U
1,1-Dichloroethene	75-35-4	1,000	230	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.1	U
1,2,3-Trichlorobenzene	87-61-6	930	63	0.3	U	0.29	U	0.28	U	0.27	U	0.28	U	0.07	U
1,2,3-Trichloropropane	96-18-4	0.11	0.0051	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.1	U
1,2,4-Trichlorobenzene	120-82-1	110	24	0.3	U	0.29	U	0.28	U	0.27	U	0.28	U	0.07	U
1,2,4-Trimethylbenzene	95-63-6	1,800	300	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.08	U
1,2-Dibromo-3-Chloropropane	96-12-8	0.064	0.0053	0.06	U	0.058	U	0.056	U	0.055	U	0.057	U	0.1	U
1,2-Dibromoethane	106-93-4	0.160	0.036	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.08	U
1,2-Dichlorobenzene	95-50-1	9,300	1,800	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.07	U
1,2-Dichloroethane	107-06-2	2	0.46	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.07	U
1,2-Dichloropropane	78-87-5	11	2.5	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.1	U
1,3,5-Trimethylbenzene	108-67-8	1,500	270	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.08	U
1,3-Dichlorobenzene	541-73-1	NE	NE	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.07	U
1,4-Dichlorobenzene	106-46-7	11	2.6	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.07	U
2-Butanone	78-93-3	190,000	27,000	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	1	U
2-Hexanone	591-78-6	1,300	200	0.09	U	0.088	U	0.084	U	0.082	U	0.085	U	2	U
4-Methyl-2-pentanone	108-10-1	140,000	33,000	0.09	U	0.088	U	0.084	U	0.082	U	0.085	U	1	U
Acetone	67-64-1	1,100,000	70,000	0.36	U	0.35	U	0.33	U	0.33	U	0.34	U	**5.6**	
Benzene	71-43-2	5.1	1.2	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.1	U
Bromochloromethane	74-97-5	630	150	0.042	U	0.041	U	0.039	U	0.038	U	0.04	U	0.08	U
Bromodichloromethane	75-27-4	1.3	0.29	0.042	U	0.041	U	0.039	U	0.038	U	0.04	U	0.08	U
Bromoform	75-25-2	86	19	0.3	U	0.29	U	0.28	U	0.27	U	0.28	U	0.3	U
Bromomethane	74-83-9	30	6.8	0.096	UJ	0.094	UJ	0.089	UJ	0.087	UJ	0.091	UJ	0.1	U
Carbon disulfide	75-15-0	3,500	770	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.1	U
Carbon tetrachloride	56-23-5	2.9	0.65	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.1	U
Chlorobenzene	108-90-7	1,300	280	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.07	U
Chloroethane	75-00-3	23,000	5,400	0.09	UJ	0.088	UJ	0.084	UJ	0.082	UJ	0.085	UJ	0.1	U
Chloroform	67-66-3	1.4	0.32	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.09	U
Chloromethane	74-87-3	460	110	0.054	UJ	0.053	UJ	0.05	UJ	0.049	UJ	0.051	UJ	0.1	U
cis-1,2-Dichloroethene	156-59-2	370	63	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.08	U
cis-1,3-Dichloropropene	10061-01-5	NE	NE	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.1	U
Cyclohexane	110-82-7	27,000	6,500	0.03	U	0.029	U	0.028	U	0.027	U	0.028	U	0.1	U
Dibromochloromethane	124-48-1	39	8.3	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.08	U
Dichlorodifluoromethane	75-71-8	370	87	0.036	UJ	0.035	UJ	0.033	UJ	0.033	UJ	0.034	UJ	0.1	U
Ethylbenzene	100-41-4	25	5.8	0.024	U	0.023	U	0.022	U	0.022	U	0.023	U	0.08	U
Freon 113	76-13-1	28,000	6,700	0.042	U	0.041	U	0.039	U	0.038	U	0.04	U	0.08	U
Isopropylbenzene	98-82-8	9,900	1,900	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.08	U
m&p-Xylene	179601-23-1	2400 (5)	550 (5)	0.06	U	0.058	U	0.056	U	0.055	U	0.057	U	0.2	U
Methyl acetate	79-20-9	1,200,000	78,000	0.06	U	0.058	U	0.056	U	0.055	U	0.057	U	0.2	U
Methyl tertiary butyl ether	1634-04-4	210	47	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.08	U
Methylcyclohexane	108-87-2	410	98	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.1	U
Methylene Chloride	75-09-2	1,000	57	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	**0.83**	
o-Xylene	95-47-6	2,800	640	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.07	U
Styrene	100-42-5	35,000	6,000	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.07	U
Tetrachloroethene	127-18-4	100	24	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.2	U
Toluene	108-88-3	47,000	4,900	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.08	U
trans-1,2-Dichloroethene	156-60-5	300	70	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.1	U
trans-1,3-Dichloropropene	10061-02-6	NE	NE	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.08	U
Trichloroethene	79-01-6	6	0.94	0.036	U	0.035	U	0.033	U	0.033	U	0.034	U	0.08	U
Trichlorofluoromethane	75-69-4	350,000	23,000	0.048	UJ	0.047	UJ	0.045	UJ	0.044	UJ	0.045	UJ	0.1	U
Vinyl chloride	75-01-4	1.7	0.059	0.048	UJ	0.047	UJ	0.045	UJ	0.044	UJ	0.045	UJ	0.1	U
Xylenes, Total	1330-20-7	2,500	580	0.084	U	0.082	U	0.078	U	0.076	U	0.08	U	0.07	U

Table 1.2: SOIL ANALYTICAL RESULTS
805 Court Street
Lynchburg, Virginia
Phase II Environmental Site Assessment
June 13, 2024

Sample ID	CAS#	USEPA Industrial RSL (mg/kg)	USEPA Residential RSL (mg/kg)	SB-1-1		SB-1-2		SB-2-1		SB-2-2		FIELD DUP		Trip Blank 1	
Units				mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		ug/L	
Sampling Depths				0-2'		0-2'		0-2'		0-2'		0-2'			
8260D - Volatile Analysis (mg/kg)				**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Sample ID	**CAS#**	**Industrial RSL (mg/kg)**	**Residential RSL (mg/kg)**	**SB-1-1**		**SB-1-2**		**SB-2-1**		**SB-2-2**		**FIELD DUP**			
Units				**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**			
8270E - Semivolatiles				**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**		
1,1'-Biphenyl	92-52-4	200	47	**0.025**	J	0.018	U	0.018	U	0.019	U	**0.024**	J		
1,2,4,5-Tetrachlorobenzene	95-94-3	35	2.3	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
1,4-Dioxane	123-91-1	24	5.3	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U		
1-Methylnaphthalene	90-12-0	0.77	0.18	**0.025**		**0.0067**	J	**0.043**		**0.063**		**0.025**			
2,2'-oxybis[1-chloropropane]	108-60-1	47,000	3,100	0.022	U	0.022	U	0.021	U	0.022	U	0.022	U		
2,3,4,6-Tetrachlorophenol	58-90-2	25,000	1,900	0.072	U	0.072	U	0.072	U	0.075	U	0.072	U		
2,4,5-Trichlorophenol	95-95-4	82,000	6,300	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
2,4,6-Trichlorophenol	88-06-2	210	49	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
2,4-Dichlorophenol	120-83-2	2,500	190	0.022	U	0.022	U	0.021	U	0.022	U	0.022	U		
2,4-Dimethylphenol	105-67-9	16,000	1,300	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
2,4-Dinitrophenol	51-28-5	1,600	130	0.18	UJ	0.18	UJ	0.18	UJ	0.19	UJ	0.18	UJ		
2,4-Dinitrotoluene	121-14-2	7.4	1.7	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U		
2,6-Dinitrotoluene	606-20-2	1.5	0.36	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
2-Chloronaphthalene	91-58-7	60,000	4,800	0.014	U	0.014	U	0.014	U	0.015	U	0.014	U		
2-Chlorophenol	95-57-8	5,800	390	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
2-Methylnaphthalene	91-57-6	3,000	240	**0.066**		**0.012**	J	**0.057**		**0.16**		**0.063**			
2-Methylphenol	95-48-7	41,000	3,200	0.022	U	0.022	U	0.021	U	0.022	U	0.022	U		
2-Nitroaniline	88-74-4	8,000	630	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
2-Nitrophenol	88-75-5	NE	NE	0.022	U	0.022	U	0.021	U	0.022	U	0.022	U		
3,3'-Dichlorobenzidine	91-94-1	5.1	1.2	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U		
3-Nitroaniline	99-09-2	NE	NE	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U		
4,6-Dinitro-2-methylphenol	534-52-1	66	5.1	0.18	UJ	0.18	UJ	0.18	UJ	0.19	UJ	0.18	UJ		
4-Bromophenyl-phenylether	101-55-3	NE	NE	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
4-Chloro-3-methylphenol	59-50-7	82,000	6,300	0.022	U	0.022	U	0.021	U	0.022	U	0.022	U		
4-Chloroaniline	106-47-8	11	2.7	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U		
4-Chlorophenyl-phenyl ether	7005-72-3	NE	NE	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
4-Methylphenol	106-44-5	41,000 (1)	3,200 (1)	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
4-Nitroaniline	100-01-6	110	27	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U		
4-Nitrophenol	100-02-7	NE	NE	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U		
Acenaphthene	83-32-9	45,000	3,600	**0.0063**	J	0.0036	U	0.0036	U	**0.004**	J	0.0036	U		
Acenaphthylene	208-96-8	23,000 (4)	1,800 (4)	**0.017**	J	**0.0043**	J	0.0043	U	0.0045	U	**0.01**	J		
Acetophenone	98-86-2	120,000	7,800	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
Anthracene	120-12-7	230,000	18,000	**0.047**		**0.011**	J	0.0036	U	**0.01**	J	**0.039**			
Atrazine	1912-24-9	10	2.4	0.072	U	0.072	U	0.072	U	0.075	U	0.072	U		
Benzaldehyde	100-52-7	820	170	0.036	U	0.036	U	0.036	U	0.037	U	**0.036**	J		
Benzo[a]anthracene	56-55-3	21	1.1	**0.29**		**0.051**		**0.0093**	J	0.0037	U	**0.2**			
Benzo[a]pyrene	50-32-8	2.1	0.11	**0.15**		**0.04**		**0.0072**	J	0.0037	U	**0.096**			
Benzo[b]fluoranthene	205-99-2	21	1.1	**0.8**		**0.12**		**0.032**		0.0037	U	**0.59**			
Benzo[g,h,i]perylene	191-24-2	23,000 (4)	1,800 (4)	**0.35**		**0.084**		**0.025**		**0.0039**	J	**0.27**			
Benzo[k]fluoranthene	207-08-9	210	11	**0.16**		**0.034**		**0.009**	J	0.0037	U	**0.12**			
Bis(2-chloroethoxy)methane	111-91-1	2,500	190	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
Bis(2-chloroethyl)ether	111-44-4	1	0.23	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
Bis(2-ethylhexyl) phthalate	117-81-7	160	39	**0.43**		0.072	U	0.072	U	0.075	U	**0.4**			
Butylbenzylphthalate	85-68-7	1,200	290	0.072	U	0.072	U	0.072	U	0.075	U	0.072	U		
Caprolactam	105-60-2	400,000	31,000	0.036	U	0.036	U	0.036	U	0.037	U	**0.051**	J		
Carbazole	86-74-8	NE	NE	**0.043**		0.018	U	0.018	U	0.019	U	**0.032**	J		
Chrysene	218-01-9	2,100	110	**0.61**		**0.083**		**0.028**		**0.01**	J	**0.51**			
Dibenz(a,h)anthracene	53-70-3	2.1	0.11	**0.15**		**0.029**		0.0072	U	0.0075	U	**0.11**			
Dibenzofuran	132-64-9	1,200	78	**0.05**		0.018	U	0.018	U	0.019	U	**0.045**			
Diethyl phthalate	84-66-2	660,000	51,000	0.072	U	0.072	U	0.072	U	0.075	U	0.072	U		
Dimethyl phthalate	131-11-3	NE	NE	0.072	U	0.072	U	0.072	U	0.075	U	0.072	U		
Di-n-butyl phthalate	84-74-2	82,000	6,300	**0.088**	J	0.072	U	0.072	U	0.075	U	0.072	U		
Di-n-octyl phthalate	117-84-0	8,200	630	0.072	U	0.072	U	0.072	U	0.075	U	0.072	U		
Fluoranthene	206-44-0	30,000	2,400	**0.31**		**0.048**		**0.0049**	J	0.0037	U	**0.22**			

Table 1.2: SOIL ANALYTICAL RESULTS
805 Court Street
Lynchburg, Virginia
Phase II Environmental Site Assessment
June 13, 2024

Sample ID	CAS#	USEPA Industrial RSL (mg/kg)	USEPA Residential RSL (mg/kg)	SB-1-1		SB-1-2		SB-2-1		SB-2-2		FIELD DUP		Trip Blank 1	
Units				mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		ug/L	
Sampling Depths				0-2'		0-2'		0-2'		0-2'		0-2'			
8260D - Volatile Analysis (mg/kg)				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Fluorene	86-73-7	30,000	2,400	**0.013**	J	0.0036	U	0.0036	U	0.0037	U	**0.0096**	J		
Hexachlorobenzene	118-74-1	0.96	0.21	0.0072	U	0.0072	U	0.0072	U	0.0075	U	0.0072	U		
Hexachlorobutadiene	87-68-3	5.3	1.2	0.022	U	0.022	U	0.021	U	0.022	U	0.022	U		
Hexachlorocyclopentadiene	77-47-4	7.5	1.8	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U		
Hexachloroethane	67-72-1	8	1.8	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U		
Indeno[1,2,3-cd]pyrene	193-39-5	21	1.1	**0.27**		**0.063**		**0.014**	J	0.0045	U	**0.2**			
Isophorone	78-59-1	2,400	570	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
Naphthalene	91-20-3	8.6	2	**0.081**		**0.018**		**0.014**	J	**0.017**	J	**0.076**			
Nitrobenzene	98-95-3	22	5.1	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
N-Nitrosodi-n-propylamine	621-64-7	0.33	0.0780	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U		
N-Nitrosodiphenylamine	86-30-6	470	110	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
Pentachlorophenol	87-86-5	4	1	0.072	U	0.072	U	0.072	U	0.075	U	0.072	U		
Phenanthrene	85-01-8	23,000 (4)	1,800 (4)	**0.26**		**0.052**		**0.013**	J	**0.07**		**0.21**			
Phenol	108-95-2	250,000	19,000	0.018	U	0.018	U	0.018	U	0.019	U	0.018	U		
Pyrene	129-00-0	23,000	1,800	**0.22**		**0.043**		**0.0052**	J	**0.012**	J	**0.15**			
Pyridine	110-86-1	1,200	78	0.072	U	0.072	U	0.072	U	0.075	U	0.072	U		
Sample ID	**CAS#**	**Industrial RSL (mg/kg)**	**Residential RSL (mg/kg)**	**SB-1-1**		**SB-1-2**		**SB-2-1**		**SB-2-2**		**FIELD DUP**			
Units				**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**			
8270E SIM - Semivolatiles				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
Acenaphthene	83-32-9	45,000	3,600	**0.0071**		**0.0012**	J	**0.0022**		**0.0035**		**0.004**			
Acenaphthylene	208-96-8	NE	NE	**0.015**		**0.0032**		**0.0024**		**0.0022**		**0.008**			
Anthracene	120-12-7	230,000	18,000	**0.047**		**0.0096**		**0.0026**		**0.0091**		**0.032**			
Benzo[a]anthracene	56-55-3	21	1.1	**0.3**		**0.057**		**0.011**		**0.0045**		**0.17**			
Benzo[a]pyrene	50-32-8	2.1	0.11	**0.16**		**0.04**		**0.0066**		**0.0021**		**0.093**			
Benzo[b]fluoranthene	205-99-2	21	1.1	**1.0**	J	**0.13**	J	**0.036**	J	**0.0036**	J	**0.76**	J		
Benzo[g,h,i]perylene	191-24-2	NE	NE	**0.39**	J	**0.081**	J	**0.024**	J	**0.0029**	J	**0.26**	J		
Benzo[k]fluoranthene	207-08-9	210	11	**0.2**		**0.039**		**0.014**		0.00075	U	**0.14**			
Chrysene	218-01-9	2,100	110	**0.69**	J	**0.085**	J	**0.037**	J	**0.0097**	J	**0.61**	J		
Dibenz(a,h)anthracene	53-70-3	2.1	0.11	**0.17**		**0.029**		**0.0068**		**0.00078**	J	**0.11**			
Fluoranthene	206-44-0	30,000	2,400	**0.33**		**0.049**		**0.0047**		**0.0041**		**0.22**			
Fluorene	86-73-7	30,000	2,400	**0.013**		**0.0022**		**0.0009**	J	**0.0019**		**0.0081**			
Indeno[1,2,3-cd]pyrene	193-39-5	21	1.1	**0.42**		**0.081**		**0.018**		**0.0015**	J	**0.26**			
Naphthalene	91-20-3	8.6	2	**0.098**	J	**0.019**	J	**0.016**	J	**0.018**	J	**0.082**	J		
Phenanthrene	85-01-8	NE	NE	**0.3**	J	**0.051**	J	**0.014**	J	**0.076**	J	**0.22**	J		
Pyrene	129-00-0	23,000	1,800	**0.26**		**0.047**		**0.0052**		**0.011**		**0.14**			
Sample ID	**CAS#**	**Industrial RSL (mg/kg)**	**Residential RSL (mg/kg)**	**SB-1-1**		**SB-1-2**		**SB-2-1**		**SB-2-2**		**FIELD DUP**			
Units				**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**			
GC Semivolatiles - 8082A				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
PCB-1016	12674-11-2	27	4.1	0.0057	U	0.0058	U	0.0058	U	0.006	U	0.0057	U		
PCB-1221	11104-28-2	0.83	0.2	0.0057	U	0.0058	U	0.0058	U	0.006	U	0.0057	U		
PCB-1232	11141-16-5	0.72	0.17	0.0057	U	0.0058	U	0.0058	U	0.006	U	0.0057	U		
PCB-1242	53469-21-9	0.95	0.23	0.0057	U	0.0058	U	0.0058	U	0.006	U	0.0057	U		
PCB-1248	12672-29-6	0.94	0.23	0.0057	U	0.0058	U	0.0058	U	0.006	U	0.0057	U		
PCB-1254	11097-69-1	0.97	0.24	0.0069	U	0.007	U	0.007	U	0.0072	U	0.0069	U		
PCB-1260	11096-82-5	0.99	0.24	0.0069	UJ	**0.0072**	J	0.007	UJ	0.0072	U	0.0069	U		
PCB-1262	37324-23-5	NE	NE	0.0069	U	0.007	U	0.007	U	0.0072	U	0.0069	U		
PCB-1268	11100-14-4	NE	NE	0.0069	U	0.007	U	0.007	U	0.0072	U	0.0069	U		

Table 1.2: SOIL ANALYTICAL RESULTS
805 Court Street
Lynchburg, Virginia
Phase II Environmental Site Assessment
June 13, 2024

Sample ID	CAS#	USEPA Industrial RSL (mg/kg)	USEPA Residential RSL (mg/kg)	SB-1-1		SB-1-2		SB-2-1		SB-2-2		FIELD DUP		Trip Blank 1	
Units				mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		ug/L	
Sampling Depths				0-2'		0-2'		0-2'		0-2'		0-2'			
8260D - Volatile Analysis (mg/kg)				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Sample ID	**CAS#**	**Industrial RSL (mg/kg)**	**Residential RSL (mg/kg)**	**SB-1-1**		**SB-1-2**		**SB-2-1**		**SB-2-2**		**FIELD DUP**			
Units				**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**			
Metals - 6010D / 7471A				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
Aluminum	7429-90-5	1,100,000	77,000	**26000**		**26000**		**18000**		**21000**		**27000**			
Antimony	7440-36-0	470	31	**0.91**	J	**0.4**	J	0.084	UJ	**0.091**	J	**0.71**	J		
Arsenic	7440-38-2	3	0.68	**17**		**7.2**		**2.8**		**4.2**		**12**			
Barium	7440-39-3	220,000	15,000	**210**	J	**130**	J	**23**	J	**29**	J	**140**	J		
Beryllium	7440-41-7	2,300	160	**0.92**		**0.49**		**0.76**		**0.52**		**0.99**			
Cadmium	7440-43-9	100	7.1	**0.53**		**0.11**		**0.051**	J	0.042	U	**0.33**			
Calcium	7440-70-2	NE	NE	**11000**	J	**13000**	J	**1100**	J	**680**	J	**4600**	J		
Chromium	7440-47-3	1,800,000 (2)	120,000 (2)	**30**		**30**		**16**		**25**		**23**			
Cobalt	7440-48-4	350	23	**6.6**		**4.3**		**3.1**		**2.9**		**5.3**			
Copper	7440-50-8	47,000	3,100	**36**	J	**16**	J	**28**	J	**17**	J	**40**	J		
Iron	7439-89-6	820,000	55,000	**61000**		**33000**		**47000**		**33000**		**78000**			
Lead	7439-92-1	800	400	**150**	J	**70**		**24**		**13**		**230**	J		
Magnesium	7439-95-4	NE	NE	**2400**	J	**3100**	J	**340**	J	**280**	J	**640**	J		
Manganese	7439-96-5	26,000	1,800	**170**	J	**240**	J	**53**	J	**67**	J	**140**	J		
Nickel	7440-02-0	18,000 (3)	1,400 (3)	**19**		**21**		**9.7**		**7.5**		**16**			
Potassium	7440-09-7	NE	NE	**1000**	J	**1500**	J	**430**	J	**620**	J	**710**	J		
Selenium	7782-49-2	5,800	390	**4.6**		**1.1**		**0.67**		**0.81**		**3.4**			
Silver	7440-22-4	5,800	390	**0.14**		**0.13**		0.043	U	0.043	U	**0.055**	J		
Sodium	7440-23-5	NE	NE	**680**	J	**290**		**76**		**31**	J	**410**	J		
Thallium	7440-28-0	12	0.78	**0.49**		**0.24**		**0.11**		**0.16**		**0.38**			
Vanadium	7440-62-2	5,800	390	**42**		**45**		**20**		**30**		**35**			
Zinc	7440-66-6	350,000	23,000	**170**	J	**59**	J	**66**	J	**32**	J	**140**	J		
Mercury	7439-97-6	46	11	**0.22**		**0.36**		**0.029**	J	**0.058**	J	**0.11**			

Bold indicates detected result.
Notes:
U - Denotes analyte not detected at or above method detection limit or quantitation limit.
U J - Denotes analyte not detected at or above method detection limit (MDL) or quantitation limit (QL) and MDL and QL are estimated.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
NS - Denotes not sampled.
NE - Denotes not established.
https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables
RSL - Denotes Regional Screening Level - United States Environmental Protection Agency Region Regional Screening Level (RSL) Summary Table May 2024 (TR=1E-06 THQ=1.0)
Q - Denotes laboratory data qualifier. See laboratory results for specific qualifier definition.
B - Denotes result considered influenced by laboratory contamination
JB - Denotes result considered influenced by laboratory contamination and result/QL considered estimated
MDL and RL denote laboratory method detection limit and reporting limit, respectively
(1) 3-Methylphenol and 4-Methylphenol cannot be resolved. Result is combination of both results.
(2) Chromium III, Insoluble Salts was selected as a screening value for total chromium.
(3) Nickel Soluble Salts was selected as the screening value for total nickel.
(4) Pyrene was selected as a surrogate for non-carcenogenic PAHs (acenaphthylene, benzo[g,h,i]perylene and phenanthrene).
Due to limitations of analytical methods and budget constraints, there may be certain instances where the laboratory quantitation or detection limits are greater than the project action levels. However, this should not hinder this assessment, as a comprehensive review of all analytical results across the site will help determine if further evaluation beyond the scope of this assessment may be required.

Table 2- SUMMARY OF DETECTED INDOOR AIR ANALYTICAL RESULTS
Phase II ESA
805 Court Street, Lynchburg, Virginia
June 13, 2024 Indoor Air Vapor Monitoring Event

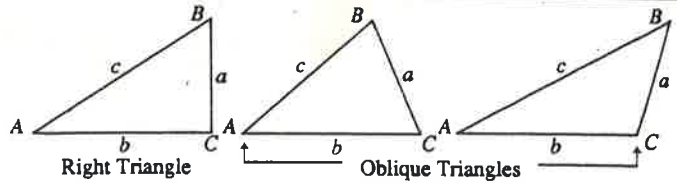
Sample ID				IAQ-1				IAQ-2				IAQ-3				IAQ-4				IAQ-5				IAQ-6				IAQ-7				IAQ-DUP (IAQ-4)				IAQ-AMB			
Sampling Date		USEPA RSLs	USEPA RSLs	6/13/2024				6/13/2024				6/13/2024				6/13/2024				6/13/2024				5/13/2024				5/13/2024				5/13/2024				5/13/2024			
Matrix		Industrial Air	Residential Air	Air				Air				Air				Air				Air				Air				Air				Air				Air			
Units				ug/m3				ug/m3				ug/m3				ug/m3				ug/m3				ug/m3				ug/m3				ug/m3				ug/m3			
Air - GC/MS VOA - TO-15	CAS#	RSL	RSL	Result	Q	RL	MDL	Result	Q	RL	MDL	Result	Q	RL	MDL	Result	Q	RL	MDL	Result	Q	RL	MDL	Result	Q	RL	MDL	Result	Q	RL	MDL	Result	Q	RL	MDL	Result	Q	RL	MDL
1,2,4-Trimethylbenzene	95-63-6	260	63	**0.98**	J	2.5	0.98	ND	U	2.5	0.98	ND	U	2.5	0.98	**1.4**	J	2.5	0.98	**1.7**	J	2.5	0.98	ND	U	2.5	0.98	ND	U	2.5	0.98	ND	U	2.5	0.98	ND	U	2.5	0.98
2-Butanone (MEK)	78-93-3	22,000	5,200	**12**		1.5	0.59	ND	U	1.5	0.59	**0.83**	J	1.5	0.59	**1.4**	J	1.5	0.59	**5.1**		1.5	0.59	**1.3**	J	1.5	0.59	**0.74**	J	1.5	0.59	**0.83**	J	1.5	0.59	**1.0**	J	1.5	0.59
Benzene	71-43-2	1.6	0.36	**0.89**	J	1.6	0.64	ND	U	1.6	0.64	ND	U	1.6	0.64	ND	U	1.6	0.64	ND	U	1.6	0.64	ND	U	1.6	0.64	ND	U	1.6	0.64	ND	U	1.6	0.64	ND	U	1.6	0.64
Carbon Disulfide	75-15-0	3,100	730	ND	U	1.6	1.6	ND	U	1.6	1.6	ND	U	1.6	1.6	ND	U	1.6	1.6	**14**		1.6	1.6	ND	U	1.6	1.6	ND	U	1.6	1.6	ND	U	1.6	1.6	ND	U	1.6	1.6
Chloromethane	74-87-3	390	94	**0.56**	J	1.0	0.41	**0.54**	J	1.0	0.41	**0.54**	J	1.0	0.41	**0.7**	J	1.0	0.41	**0.64**	J	1.0	0.41	**0.64**	J	1.0	0.41	**0.52**	J	1.0	0.41	**0.64**	J	1.0	0.41	**0.62**	J	1.0	0.41
Cyclohexane	110-82-7	26,000	6,300	**1.2**	J	1.7	0.69	ND	U	1.7	0.69	ND		1.7	0.69	ND	U	1.7	0.69	ND	U	1.7	0.69	ND	U	1.7	0.69	ND	U	1.7	0.69	ND	U	1.7	0.69	ND	U	1.7	0.69
Ethyl acetate	141-78-6	310	73	**6.3**		1.8	0.72	ND	U	1.8	0.72	ND		1.8	0.72	ND	U	1.8	0.72	ND	U	1.8	0.72	ND	U	1.8	0.72	ND	U	1.8	0.72	ND	U	1.8	0.72	ND	U	1.8	0.72
Ethylbenzene	100-41-4	4.9	1.1	**3.6**		2.2	0.87	ND	U	2.2	0.87	ND		2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87
Heptane	142-82-5	1,800	420	**2.5**		2.0	0.82	ND	U	2.0	0.82	ND		2.0	0.82	ND	U	2.0	0.82	ND	U	2.0	0.82	ND	U	2.0	0.82	ND	U	2.0	0.82	ND	U	2.0	0.82	ND	U	2.0	0.82
Hexane	110-54-3	3,100	730	ND	U	1.8	0.7	ND	U	1.8	0.7	ND		1.8	0.7	ND	U	1.8	0.7	ND	U	1.8	0.7	**1.5**	J	1.8	0.7	ND	U	1.8	0.7	ND	U	1.8	0.7	ND	U	1.8	0.7
m+p-Xylenes	179601-23-1	440	100	**8.5**		4.3	1.7	ND	U	4.3	1.7	ND		4.3	1.7	**2.4**	J	4.3	1.7	**1.9**	J	4.3	1.7	ND	U	4.3	1.7	ND	U	4.3	1.7	ND	U	4.3	1.7	ND	U	4.3	1.7
Methylene chloride	75-09-2	1,200	100	**2.4**	J	3.5	1.7	ND	U	3.5	1.7	ND		3.5	1.7	U		3.5	1.7	ND	U	3.5	1.7	**8.3**		3.5	1.7	ND	U	3.5	1.7	ND	U	3.5	1.7	ND	U	3.5	1.7
Naphthalene	91-20-3	0.36	0.083	ND	U	2.6	1.0	ND	U	2.6	1.0	ND		2.6	1.0	**3.7**		2.6	1.0	**3.3**		2.6	1.0	ND	U	2.6	1.0	**3.0**		2.6	1.0	ND	U	2.6	1.0	ND	U	2.6	1.0
o-Xylene	95-47-6	440	100	**2.4**		2.2	0.87	ND	U	2.2	0.87	ND		2.2	0.87	**1**	J	2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87	ND	U	2.2	0.87
Propylene	115-07-1	13,000	3,100	**4.0**	J	1.7	1.7	ND	UJ	1.7	1.7	ND	UJ	1.7	1.7	ND	UJ	1.7	1.7	ND	UJ	1.7	1.7	ND	UJ	1.7	1.7	ND	UJ	1.7	1.7	ND	UJ	1.7	1.7	ND	UJ	1.7	1.7
Tetrahydrofuran	109-99-9	8,800	2,100	**3.3**		1.5	0.59	ND	U	1.5	0.59	ND	U	1.5	0.59	ND	U	1.5	0.59	**0.59**	J	1.5	0.59	ND	U	1.5	0.59	ND	U	1.5	0.59	ND	U	1.5	0.59	ND	U	1.5	0.59
Toluene	108-88-3	22,000	5,200	**16**		1.9	0.75	**2.1**		1.9	0.75	**5.2**		1.9	0.75	**5.4**		1.9	0.75	**23**		1.9	0.75	**2.5**		1.9	0.75	**4.7**		1.9	0.75	**5.0**		1.9	0.75	ND	U	1.9	0.75
Vinyl chloride	75-01-4	2.8	0.17	**0.56**	J	1.3	0.51	ND	U	1.3	0.51	ND	U	1.3	0.51	ND	U	1.3	0.51	ND	U	1.3	0.51	ND	U	1.3	0.51	ND	U	1.3	0.51	ND	U	1.3	0.51	ND	U	1.3	0.51
Xylenes, Total	1330-20-7	440	100	**11**		6.5	2.6	ND	U	6.5	2.6	ND	U	6.5	2.6	**3.4**	J	6.5	2.6	**2.6**	J	6.5	2.6	ND	U	6.5	2.6	ND	U	6.5	2.6	ND	U	6.5	2.6	ND	U	6.5	2.6

Notes:
Bold indicates detected result.
U/ND -denotes analyte not detected at or above the method detection limit (MDL) or reporting limit (QL/RL)
J -denotes result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U J -denotes result is less than the DL; MDL and RL estimated.
ug/m^3 -micrograms per cubic meter
USEPA RSL -denoted United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) - Generic Tables (TR=1E-06, THQ=1.0), May 2024
https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables
NE -denotes not established
NR -denotes not reported
-Denotes detected above industrial regulatory limit
-Denotes detected above residential regulatory limit

ATTACHMENT 3

Field Notes and Documentation, Boring Logs,
Health and Safety Plan, and
Standard Operating Procedures (SOPs) for Field Activities

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

Given	Required	
a, b	A, B, c	$\tan A = \frac{a}{b} = \cot B,\ c = \sqrt{a^2 + b^2} = a\sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B,\ b = \sqrt{(c + a)(c - a)} = c\sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90° - A,\ b = a \cot A,\ c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90° - A,\ a = b \tan A,\ c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90° - A,\ a = c \sin A,\ b = c \cos A,$

Solution of Oblique Triangles

Given	Required	
A, B, a	b, c, C	$b = \frac{a \sin B}{\sin A},\ C = 180° - (A + B),\ c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a},\ C = 180° - (A + B),\ c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180° - C,\ \tan \frac{1}{2}(A - B) = \frac{(a-b)\tan \frac{1}{2}(A+B)}{a+b},$ $c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a+b+c}{2},\ \sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{b\,c}},$ $\sin \frac{1}{2}B = \sqrt{\frac{(s-a)(s-c)}{a\,c}},\ C = 180° - (A + B)$
a, b, c	Area	$s = \frac{a+b+c}{2},\ \text{area} = \sqrt{s(s-a)(s-b)(s-c)}$
A, b, c	Area	$\text{area} = \frac{b\,c \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

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6/13/24

7:55 AM Onsite - Ryan Seiler, Phillip Pursley
805 Ct. Street
Weather - Sunny 70's F
Site Review of SHASP

8:25 IAQ-2 sample started
8:27 IAQ-1 sample started
8:49 IAQ-MSD sample started
8:50 IAQ-MS sample started
8:51 IAQ-3 sample started
8:54 IAQ-AMB sample started
8:57 IAQ-4 sample started
IAQ-Dup sample started
9:00 IAQ-7 sample started
9:04 IAQ-6 sample started
9:07 IAQ-5 sample started
9:33 Calibrated PID Iso-butylene
9:40 began soil borings SB-1-1
refusal @ 2'
9:57 PID reading 0.0 Brown med. silty clay
filled 5 4oz Amber
2 VOA Sod. Bisul.
1 VOA Methanol
DUP 1
*Duplicate
10:21 IAQ-AMB *Sample started
→ Value corrected @ 8:54

10:30	SB-1-2	Brown, medium silty clay
	PID 0.0	
	Refus. ~1'	
10:50	SB-2-1	
	MSD	Brown, medium silty clay
	MS	
	PID 0.0	
	Refus. ~1'	
11:30	SB 2-2	Brown, medium silty clay
	PID 0.0	
	Refus. ~1'	
15:30	IAQ-MSD	Sample Stopped
15:41	IAQ-5	Sample Stopped
16:22	IAQ-2	Sample Stopped
16:23	IAQ-1	Sample Stopped
16:26	IAQ-3	Sample Stopped
	IAQ-MS	Sample Stopped
16:45	IAQ-6	Sample Stopped
16:48	IAQ-7	Sample Stopped
16:51	IAQ-4	Sample Stopped
	IAQ-DUP	Sample Stopped
16:56	IAQ-AMB	Sample Stopped
17:00	Left Site	

TP TP

Site Visit Health & Safety Plan

Project Details	
Project Number	519073
Project Manager/Phone No.	Ryan Sadler (919) 827-0864
Supervisor/Phone No.	Srikanth Nathella (540) 557-1318
Site Details	
Site Name:	*West Building*
Address:	805 Court Street, Lynchburg, VA
Date of Visit:	June 13, 2024
Brief Description of Site Activities and Potential Hazards:	**The site currently houses the City of Lynchburg Police Department. Primary hazards are sampling and weather related.**

Client Contact:

Name	Company	Phone No.	Email Address

Site Contacts:

Name	Company	Phone No.	Email Address
Ryan Sadler	TRC	919-795-6299	rsadler@trccompanies.com
Phillip Pressley	TRC	828 443 4197	ppressley@trccompanies.com

Local Emergency Contacts:

Ambulance: 911	Fire Department: 911
Police: 911	Other:

In the event of an emergency:

- Stop work and notify emergency personnel, as required.
- Notify other personnel at the site.
- As soon as possible, contact the TRC Safety and Project Manager to inform them of the incident.
- Call WorkCare (888-449-7787)
- Prepare a summary report of the incident for the client representative as required.

Travel and Logistics Details

General travel from home to site: Travel in TRC vehicle from Cary, NC to Lynchburg, VA	**Daily travel hotel to site:**
Name and address of nearest hospital: Centra Lynchburg General Hospital 1901 Tate Springs Rd Lynchburg, VA 24501	**Required site security procedures:**

Personal Protective Equipment (verify with site contact):					
Place a check where applicable. If the site will provide indicate - SITE	Required	Recommended	**Place a check where applicable. If the site will provide indicate SITE**	Required	Recommended
Steel Toed Shoes	X		Gloves (specify type)	X (nitrile while sampling; cut resistant when doing all other tasks)	
Safety Glasses	X		Respirator (must be cleared for use)		
Coveralls			Long Sleeves		
Hearing Protection		X	Insect Repellent		X
Hard Hat		X	Sun Screen		X
Fire Resistant Clothing (FRC)			Hi-Vis Vest	X	
Safety Goggles			Other (specify)		

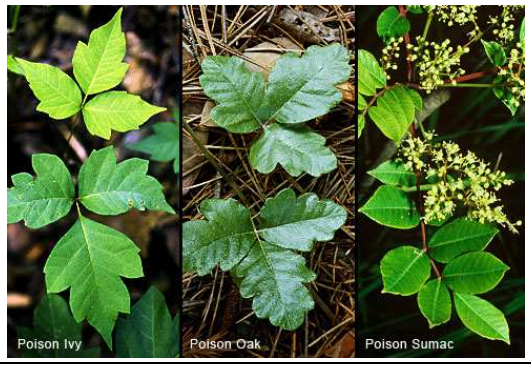
Pre-Visit Planning

TRC Representatives will generally be escorted by facility personnel and adhere to site-specific health and safety rules and procedures. The TRC Representative should seek to understand site-specific control measures and request additional information where potential concerns exist. TRC Representatives should never enter an area if the risks are believed to be unacceptable (e.g., uncontrolled chemical hazards).

☒ Site-specific H&S requirements have been reviewed with the site contact.

Hazard Analysis

☐	**Potential Hazard**	**General Control Measures**
☒	Vehicular Traffic	TRC personnel shall follow all applicable state and federal traffic laws while traveling to and from the site, and while working on the site. In particular the following laws should be followed: – speed limits, – parking restrictions, – use of wipers and lights during precipitation events, – no cell phone use, etc. Be aware of traffic patterns associated with local businesses near the work site. Allow traffic to enter and exit the businesses in such a manner to avoid creating traffic hazards, back-ups, delays, or potential accident situations. Practice defensive driving while in route to and from the site.
☐	Biological Exposure	Discuss with site contact and follow requirements for use of personal protective equipment. TRC auditors should not be handling materials with biological hazards. If the facility doesn't have adequate data to verify effectiveness of control measures, do not enter the area.
☒	Chemical Exposure	Discuss with site contact and follow requirements for use of personal protective equipment. TRC auditors should not be handling chemicals. If the facility doesn't have adequate data to verify effectiveness of control measures, do not enter the area.
☐	Cold Stress	Work schedules may be modified when temperatures are below 20° F as measured by the wind chill factor. Take frequent breaks to warm up. Drink plenty of fluids. Wear appropriate clothing, and monitor for cold stress symptoms (frostbite, hypothermia, etc.).

☐	Elevated Work	Personnel should not enter any unguarded elevated (>4 feet) work surfaces. Caution should be taken on catwalks and ladders because of potential slippery conditions, or the potential for footwear to catch on the surfaces.
☒	Facility Equipment/Machinery	Be aware of active and moving client equipment on site.
☒	Heat Stress	The work schedule may be modified if the ambient temperature is more than 80° F. Take breaks as necessary, and drink plenty of fluids. If necessary, wear sunscreen and sunglasses on bright days. Monitor site personnel for signs of heat stress symptoms (heat rash, heat cramps, heat exhaustion, or heat stroke).
☒	Insects (ticks, bees, spiders, etc.)	Site workers with known allergies to insect bites should carry their own medication. In case of emergencies, inform fellow workers of any severe allergies. Use insect repellant as necessary, and as specifically allowed on site. If possible, wear long-sleeved shirts and pants. If appropriate, check for ticks at the end of each day. Have other appropriate first aid supplies handy for bites.
☐	Ionizing Radiation	May be present in sealed sources. Be aware of hazard warning signs and designated areas.
☐	Ladders	Ladders should only be used if they are in good condition, conform to OSHA requirements, and if they will be used in an appropriate manner. Be especially cautious of slipping on ladders when the ladder or footwear is wet or dirty.
☒	Long Hours/Fatigue	Long work hours can lead to fatigue, and fatigue can lead to the physical inability to perform the work in a safe manner, or travel to, or from, a work site in a safe manner. If long work hours are scheduled, or if the scheduled work takes longer than planned, field staff should determine if fatigue is, or will be, an issue. Field staff should evaluate whether they are able to complete the work in a safe manner, or whether they are able to travel in a safe manner. If fatigue is an issue, appropriate breaks should be planned or taken, including overnight stays when necessary.
☒	Noise	Hearing protection must be worn when noise levels exceed 85 dBA in the work area. If you need to raise your voice to be heard at the work site, then hearing protection should be worn.
☐	Overhead Hazards	Pay attention to overhead equipment, piping, and structures. A hard hat must be worn at all times when overhead hazards are present on site.
☒	Poisonous Plants	Be able to identify any local poisonous plants and avoid them if possible, or wear protective clothing, including long pants, long-sleeved shirts, hats and gloves. When removing potentially exposed clothing or PPE, the clothing or PPE should be carefully and thoroughly washed or decontaminated. If exposed to plants, immediately cleanse the area with soap and water. If sign or symptoms appear use Zanfel or other treatments. 
☒	Sunburn	For extended periods of time outdoors on sunny days, sunglasses, long-sleeved shirts and long pants should be worn to help prevent sunburn and eye problems. Wear sunscreen as appropriate for the project.
☒	On-site Traffic (client, contractors, public, semi-trucks, forklifts, etc.)	Obey all posted speed limits. Park in designated areas only. Be aware of traffic patterns on site, and during access to the site. Pedestrians should use designated walkways, stay clear of powered industrial vehicles and avoid walking beneath any elevated work (e.g., crane lifts, overhead work).
☐	Other	

Region 4 U.S. Environmental Protection Agency Laboratory Services & Applied Science Division Athens, Georgia	
Operating Procedure	
Title: Management of Investigative Derived Waste	ID: LSASDPROC-202-R5
Issuing Authority: Field Services Branch Supervisor	
Effective Date: April 22, 2023	Review Due Date: May 07, 2024
Method Reference: N/A	SOP Author: Doug Peters

Purpose

This document describes general and specific procedures and considerations to be used and observed when managing investigation derived waste (IDW) generated during the course of hazardous waste site investigations.

Scope/Application

The procedures and management options for the different categories of IDW described in this document are to be used by LSASD field personnel to manage IDW generated during site investigations. On the occasion that LSASD field personnel determine that any of the procedures described in this section are inappropriate, inadequate or impractical and that another procedure must be used to manage IDW generated at a particular site, the variant procedure will be documented in the field logbook, along with a description of the circumstances requiring its use. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

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1 General Information

1.1 Documentation/Verification

This procedure was prepared by persons deemed technically competent by LSASD management, based on their knowledge, skills and abilities and have been tested in practice and reviewed in print by a subject matter expert. The official copy of this procedure resides on the LSASD Local Area Network (LAN). The Document Control Coordinator (DCC) is responsible for ensuring the most recent version of the procedure is placed on the LAN and for maintaining records of review conducted prior to its issuance.

1.2 General Precautions

1.2.1 Safety

Proper safety precautions must be observed when managing IDW. Refer to the LSASD Safety, Health and Environmental Management Program (SHEMP) Procedures and Policy Manual and any pertinent site-specific Health and Safety Plans (HASP) for guidelines on safety precautions. These guidelines, however, should only be used to complement the judgment of an experienced professional. Address chemicals that pose specific toxicity or safety concerns and follow any other relevant requirements, as appropriate.

1.2.2 Procedural Precautions

The following precautions should be considered when managing IDW:

- Due to time limitations and restrictions posed by RCRA regulations on storage of hazardous waste, accumulation start dates should be identified on all drums, buckets or other containers used to hold IDW so that it can be managed in a timely manner.
- During generation of both non-hazardous and hazardous IDW, keep hazardous IDW segregated from non-hazardous IDW to minimize the volume of hazardous IDW that must be properly managed.

2 Types of Investigation Derived Waste

Materials which may become IDW include, but are not limited to:

- Personal protective equipment (PPE) - This includes disposable coveralls, gloves, booties, respirator canisters, splash suits, etc.

- Disposable equipment and items - This includes plastic ground and equipment covers, aluminum foil, conduit pipe, composite liquid waste samplers (COLIWASAs), Teflon® tubing, broken or unused sample containers, sample container boxes, tape, etc.

- Soil cuttings from drilling or hand augering.

- Drilling mud or water used for mud or water rotary drilling.

- Groundwater obtained through well development or well purging.

- Cleaning fluids such as spent solvents and wash water.

- Packing and shipping materials.

Table 1, found at the end of this procedure, lists the types of IDW commonly generated during field investigations and the current disposal practices for these materials.

For the purpose of determining the ultimate disposition of IDW, it is typically distinguished as being either hazardous or non-hazardous. This determination is based on either clear regulatory guidance or by subsequent analysis. This determination and subsequent management is the responsibility of the program site manager.

3 Management of Non-Hazardous IDW

Disposal of non-hazardous IDW should be addressed in the Sampling and Analysis Plan (SAP) or QAPP for the investigation. To reduce the volume of any IDW transported back to the Field Equipment Center (FEC), it may be necessary to compact the waste into a reusable container, such as a 55-gallon drum.

If the waste is from an active facility, permission should be sought from the operator of the facility to place the non-hazardous PPE, disposable equipment, and/or paper/cardboard into the facility's dumpsters. If necessary, these materials may be placed into municipal dumpsters, with the permission of the owner. These materials may also be taken to a nearby permitted landfill. On larger studies, waste hauling services may be obtained and a dumpster located at the study site.

Disposal of non-hazardous IDW such as drill cuttings, drilling mud, purge or development water, decontamination wash water, etc., should be specified in the approved SAP or QAPP. It is recommended that these materials be placed into a unit with an environmental permit, such as a landfill or sanitary sewer. These materials must not be placed into dumpsters. If the facility at which the study is being conducted is active, permission should be sought to place these types of IDW into the facility's treatment system. It may be feasible to spread drill cuttings around the borehole, or, if the well is temporary, to place

the cuttings back into the borehole. Non-hazardous monitoring well purge or development water may also be poured onto the ground down gradient of the monitoring well when site conditions permit. Purge water from private potable wells which are in service may be discharged directly onto the ground surface.

The minimum requirements for this subsection are:

- Non-hazardous liquid and soil/sediment IDW may be placed on the ground or returned to the source if doing so does not endanger human health or the environment or violate federal or state regulations. Under no circumstances, however, should monitoring well purge water be placed back into the well from which it came.
- Soap and water decontamination fluids and rinses of such cannot be placed in any water bodies and must be collected and returned to the FEC for disposition.
- The collection, handling and proposed disposal method must be specified in the approved SAP or QAPP.

4 Management of Hazardous IDW

Disposal of hazardous or suspected hazardous IDW must be specified in the approved SAP or QAPP for the study or investigation. Hazardous IDW must be disposed as specified in USEPA regulations. If appropriate, these wastes may be placed back in an active facility waste treatment system. These wastes may also be disposed in the source area from which they originated if doing so does not endanger human health or the environment.

If on-site disposal is not feasible, and if the wastes are suspected to be hazardous, appropriate tests must be conducted to make that determination. If they are determined to be hazardous wastes, they must be properly contained and labeled. They may be stored on the site for a maximum of 90 days before they must be manifested and shipped to a permitted treatment or disposal facility. Generation of hazardous IDW must be anticipated, if possible, to allow arrangements for proper containerization, labeling, transportation and disposal/treatment in accordance with USEPA regulations.

The generation of hazardous IDW should be minimized to conserve Division resources. Most routine studies should not produce any hazardous IDW, with the possible exception of spent solvents and, possibly, purged groundwater. The use of solvents during field cleaning of equipment should be minimized by using solvent-free cleaning procedures for routine cleaning and decontamination (see SESD Operating Procedure for Field Equipment Cleaning and Decontamination, SESDPROC-205). If solvents are needed, the volume should be minimized by using only the amount necessary and by capturing the residual solvent separately from the aqueous decontamination fluids (detergent/wash water mixes and water rinses).

At a minimum, the requirements of the management of hazardous IDW are as follows:

- Spent solvents must be left on-site with the permission of site operator and proper disposal arranged.
- All hazardous IDW must be containerized. Proper handling and disposal should be arranged prior to commencement of field activities.

5 References

LSASD Operating Procedure for Field Equipment Cleaning and Decontamination, LSASDPROC-205, Most Recent Version

United States Environmental Protection Agency (US EPA). 2001. Environmental Investigations Standard Operating Procedures and Quality Assurance Manual. Region 4 Science and Ecosystem Support Division (SESD), Athens, GA

US EPA. Safety, Health and Environmental Management Program Procedures and Policy Manual. Region 4 SESD, Athens, GA, Most Recent Version

6 Revision History

The top row of this table shows the most recent changes to this controlled document. For previous revision history information, archived versions of this document are maintained by the SESD Document Control Coordinator on the SESD local area network (LAN).

History	Effective Date
Replaced Chief with Supervisor; General formatting revisions.	April 22, 2023
LSASDPROC-202-R4, *Management of Investigation Derived Waste*, replaces SESDPROC-202-R3 **General:** Corrected typographical, grammatical and/or editorial errors. Updated format and naming convention, updated references from SESD to LSASD and FSB to LSB.	May 8, 2020
SESDPROC-202-R3, *Management of Investigation Derived Waste*, replaces SESDPROC-202-R2. **General:** Corrected typographical, grammatical and/or editorial errors. **Cover Page:** The Enforcement and Investigations Branch Supervisor was changed from Archie Lee to Acting Supervisor John Deatrick. The Ecological Assessment Branch Supervisor was changed from Bill Cosgrove to Acting Supervisor Mike Bowden. The FQM was changed from Liza Montalvo to Bobby Lewis. **Revision History:** Changes were made to reflect the current practice of only including the most recent changes in the revision history.	July 3, 2014
SESDPROC-202-R2, *Management of Investigation Derived Waste*, replaces SESDPROC-202-R1.	October 15, 2010
SESDPROC-202-R1, *Management of Investigation Derived Waste*, replaces SESDPROC-202-R0.	November 1, 2007
SESDPROC-202-R0, Management of Investigation Derived Waste, Original Issue	February 05, 2007

Table 1: Disposal of IDW

TYPE	HAZARDOUS	NON - HAZARDOUS
PPE-Disposable	Containerize in plastic 5-gallon bucket with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise return to FEC for proper disposal.	Place waste in trash bag. Place in dumpster with permission of site operator, otherwise return to FEC for disposal in dumpster.
PPE-Reusable	Decontaminate as per SESD Operating Procedure for Field Equipment Cleaning and Decontamination, SESDPROC-205, if possible. If the equipment cannot be decontaminated, containerize in plastic 5-gallon bucket with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise return to FEC for proper disposal.	Decontaminate as per SESDPROC-205, and return to FEC.
Spent Solvents	Containerize in original containers. Clearly identify contents. Leave on-site with permission of site operator and arrange for proper disposal.	N/A
Soil Cuttings	Containerize in DOT-approved container with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise arrange with program site manager for testing and disposal.	Containerize in a 55-gallon steel drum with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise arrange with program site manager for testing and disposal. **
Groundwater	Containerize in DOT-approved container with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise arrange with program site manager for testing and disposal.	Containerize in an appropriate container with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise arrange with program site manager for testing and disposal. **
Decontamination Water	Containerize in DOT-approved container with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise arrange with program site manager for testing and disposal.	Containerize in an appropriate container with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise arrange with program site manager for testing and disposal. Decontamination water may also be disposed in a sanitary sewer system, with permission from the wastewater treatment plant representative, and if doing so does not endanger human health or the environment, or violate federal or state regulations.
Disposable Equipment	Containerize in DOT-approved container or 5-gallon plastic bucket with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise arrange with program site manager for testing and disposal.	Containerize in an appropriate container with tight-fitting lid. Identify and leave on-site with permission of site operator, otherwise arrange with program site manager for testing and disposal. If unfeasible, return to FEC for disposal in dumpster.
Trash	N/A	Place waste in trash bag. Place in dumpster with permission of site operator, otherwise return to FEC for disposal in dumpster.

**** These materials may be placed on the ground if doing so does not endanger human health or the environment or violate federal or state regulations.**

Region 4 **U.S. Environmental Protection Agency** **Laboratory Services and Applied Science Division** **Athens, Georgia**	
Operating Procedure	
Title: Field Equipment Cleaning and Decontamination	ID: LSASDPROC-205-R4
Issuing Authority: LSASD Field Branch Chief	
Effective Date: June 22, 2020	Review Due Date: June 22, 2023

Purpose

This procedure is to be used by Region 4 Laboratory Services and Applied Science Division staff . This document describes general and specific procedures, methods and considerations to be used and observed when cleaning and decontaminating sampling equipment during the course of field investigations. This procedure is to be used by all Region 4 Laboratory Services and Applied Science Division (LSASD) staff.

Scope/Application

The procedures contained in this document are to be followed when field cleaning sampling equipment, for both re-use in the field, as well as used equipment being returned to the Field Equipment Center (FEC). On the occasion that LSASD field investigators determine that any of the procedures described in this section are either inappropriate, inadequate or impractical and that other procedures must be used to clean or decontaminate sampling equipment at a particular site, the variant procedure will be documented in the field logbook, along with a description of the circumstances requiring its use. Mention of trade names or commercial products in this operating procedure does not constitute endorsement or recommendation for use.

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1 General Information

1.1 Documentation/Verification

This procedure was prepared by persons deemed technically competent by LSASD management, based on their knowledge, skills and abilities and have been tested in practice and reviewed in print by a subject matter expert. The official copy of this procedure resides on the LSASD Local Area Network (LAN). The Document Control Coordinator (DCC) is responsible for ensuring the most recent version of the procedure is placed on LAN and for maintaining records of review conducted prior to its issuance.

1.2 Definitions

- Decontamination: The process of cleaning dirty sampling equipment to the degree to which it can be re-used, with appropriate QA/QC, in the field.

- Deionized water: Tap water that has been treated by passing through a standard deionizing resin column. At a minimum, the finished water should contain no detectable heavy metals or other inorganic compounds (i.e., at or above analytical detection limits) as defined by a standard inductively coupled Argon Plasma Spectrophotometer (ICP) (or equivalent) scan. Deionized water obtained by other methods is acceptable, as long as it meets the above analytical criteria. Organic-free water may be substituted for deionized water.

- Detergent shall be a standard brand of phosphate-free laboratory detergent such as Liquinox® or Luminox®. Liquinox® is a traditional anionic laboratory detergent and is used for general cleaning and where there is concern for the stability of the cleaned items in harsher cleaners. Luminox® is a specialized detergent with the capability of removing oils and organic contamination. It is used in lieu of a solvent rinse step in cleaning of equipment for trace contaminant sampling. Where not specified in these procedures, either detergent is acceptable.

- Drilling Equipment: All power equipment used to collect surface and sub-surface soil samples or install wells. For purposes of this procedure, direct push is also included in this definition.

- Field Cleaning: The process of cleaning dirty sampling equipment such that it can be returned to the FEC in a condition that will minimize the risk of transfer of contaminants from a site.

- Organic-free water: Tap water that has been treated with activated carbon and deionizing units. At a minimum, the finished water must meet the analytical criteria of deionized water and it should contain no detectable pesticides, herbicides, or extractable organic compounds, and no volatile organic compounds above minimum detectable levels as determined by the Region 4 laboratory for a given set of analyses. Organic-free water obtained by other methods is acceptable, as long as it meets the above analytical criteria.

- Tap water: Water from any potable water supply. Deionized water or organic-free water may be substituted for tap water.

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1.3 General Precautions

1.3.1 Safety

Proper safety precautions must be observed when field cleaning or decontaminating dirty sampling equipment. Refer to the LSASD Safety, Health and Environmental Management Program (SHEMP) Procedures and Policy Manual and any pertinent site-specific Health and Safety Plans (HASPs) for guidelines on safety precautions. These guidelines, however, should only be used to complement the judgment of an experienced professional. Address chemicals that pose specific toxicity or safety concerns and follow any other relevant requirements, as appropriate. At a minimum, the following precautions should be taken in the field during these cleaning operations:

- When conducting field cleaning or decontamination using laboratory detergent, safety glasses with splash shields or goggles, and latex gloves will be worn.

- No eating, smoking, drinking, chewing, or any hand to mouth contact should be permitted during cleaning operations.

1.3.2 Procedural Precaution

Prior to mobilization to a site, the expected types of contamination should be evaluated to determine if the field cleaning and decontamination activities will generate rinses and other waste waters that might be considered RCRA hazardous waste or may require special handling.

2 Introduction to Field Equipment Cleaning and Decontamination

2.1 General

The procedures outlined in this document are intended for use by field investigators for cleaning and decontaminating sampling and other equipment in the field. These procedures should be followed in order that equipment is returned to the FEC in a condition that will minimize the risk of transfer of contaminants from a site.

Sampling and field equipment cleaned in accordance with these procedures must meet the minimum requirements for the Data Quality Objectives (DQOs) of the study or investigation. If deviations from these procedures need to be made during the course of the field investigation, they will be documented in the field logbook along with a description of the circumstances requiring the use of the variant procedure.

Cleaning procedures for use at the Field Equipment Center (FEC) are found in LSASD Operating Procedure for Equipment Cleaning and Decontamination at the FEC (LSASDPROC-206).

2.2 Handling Practices and Containers for Cleaning Solutions

Improperly handled cleaning solutions may easily become contaminated. Storage and application containers must be constructed of the proper materials to ensure their integrity. Following are acceptable materials used for containing the specified cleaning solutions:

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- Detergent must be kept in clean plastic, metal, or glass containers until used. It should be poured directly from the container during use.

- Tap water may be kept in tanks, hand pressure sprayers, squeeze bottles, or applied directly from a hose.

- Deionized water must be stored in clean, glass or plastic containers that can be closed for transport. It can be applied from plastic squeeze bottles.

- Organic-free water must be stored in clean glass or Teflon® containers prior to use. It may be applied using Teflon® squeeze bottles, or with the portable system.

2.3 Disposal of Cleaning Solutions

Procedures for the safe handling and disposition of investigation derived waste (IDW); including used wash water and rinse water are in LSASD Operating Procedure for Management of Investigation Derived Waste (LSASDPROC-202).

2.4 Sample Collection Equipment Contaminated with Concentrated Materials

Equipment used to collect samples of concentrated materials from investigation sites must be field cleaned before returning from the study. At a minimum, this should consist of washing with detergent and rinsing with tap water. When the above procedure cannot be followed, the following options are acceptable:

- Leave with facility for proper disposal;

- If possible, containerize, seal, and secure the equipment and leave on-site for later disposal;

- Containerize, bag, or seal the equipment so that no odor is detected and return to the Field Equipment Center.

It is the project leader's responsibility to evaluate the nature of the sampled material and determine the most appropriate cleaning procedures for the equipment used to sample that material.

2.5 Sample Collection Equipment Contaminated with Environmental Media

Equipment used to collect samples of environmental media from investigation sites should be field cleaned before returning from the study. Based on the condition of the sampling equipment, one or more of the following options must be used for field cleaning:

- Wipe the equipment clean;

- Water-rinse the equipment;

- Wash the equipment in detergent and water followed by a tap water rinse.

- For grossly contaminated equipment, the procedures set forth in Section 2.4 must be followed.

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Under extenuating circumstances such as facility limitations, regulatory limitations, or during residential sampling investigations where field cleaning operations are not feasible, equipment can be containerized, bagged or sealed so that no odor is detected and returned to the FEC without being field cleaned. If possible, FEC personnel should be notified that equipment will be returned without being field cleaned. It is the project leader's responsibility to evaluate the nature of the sampled material and determine the most appropriate cleaning procedures for the equipment used to sample that material.

2.6 Handling of Decontaminated Equipment

After decontamination, equipment should be handled only by personnel wearing clean gloves to prevent re-contamination. In addition, the equipment should be moved away (preferably upwind) from the decontamination area to prevent re-contamination. If the equipment is not to be immediately re-used, it should be covered with plastic sheeting or wrapped in aluminum foil to prevent re-contamination. The area where the equipment is kept prior to re-use must be free of contaminants.

3 Field Equipment Decontamination Procedures

3.1 General

Sufficient equipment should be transported to the field so that an entire study can be conducted without the need for decontamination. When equipment must be decontaminated in the field, the following procedures are to be utilized.

Note: Equipment utilized for PFAS sampling will not cleaned in the field.

3.2 Specifications for Decontamination Pads

Decontamination pads constructed for field cleaning of sampling and drilling equipment should meet the following minimum specifications:

- The pad should be constructed in an area known or believed to be free of surface contamination.
- The pad should not leak.
- If possible, the pad should be constructed on a level, paved surface and should facilitate the removal of wastewater. This may be accomplished by either constructing the pad with one corner lower than the rest, or by creating a sump or pit in one corner or along one side. Any sump or pit should also be lined.
- Sawhorses or racks constructed to hold equipment while being cleaned should be high enough above ground to prevent equipment from being splashed.
- Water should be removed from the decontamination pad frequently.
- A temporary pad should be lined with a water impermeable material with no seams within the pad. This material should be either easily replaced (disposable) or repairable.

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At the completion of site activities, the decontamination pad should be deactivated. The pit or sump should be backfilled with the appropriate material designated by the site project leader, but only after all waste/rinse water has been pumped into containers for disposal. See LSASD Operating Procedure for Management of Investigation Derived Waste (LSASDPROC-202) for proper handling and disposal of these materials. If the decontamination pad has leaked excessively, soil sampling may be required.

3.3 "Classical Parameter" Sampling Equipment

"Classical Parameters" are analyses such as oxygen demand, nutrients, certain inorganic compounds, sulfide, flow measurements, etc. For routine operations involving classical parameter analyses, water quality sampling equipment such as Kemmerers, buckets, dissolved oxygen dunkers, dredges, etc., may be cleaned with the sample water or tap water between sampling locations as appropriate.

Flow measuring equipment such as weirs, staff gages, velocity meters, and other stream gauging equipment may be cleaned with tap water between measuring locations, if necessary.

Note: The procedures described in Section 3.3 are not to be used for cleaning field equipment to be used for the collection of samples undergoing trace organic or inorganic constituent analyses.

3.4 Sampling Equipment used for the Collection of Trace Organic and Inorganic Compounds

For samples undergoing trace organic or inorganic constituent analyses, the following procedures are to be used for all sampling equipment or components of equipment that come in contact with the sample:

3.4.1 Standard LSASD Method

- An optional Liquinox® detergent wash step may be useful to remove gross dirt and soil.
- Clean with tap water and Luminox® detergent using a brush, if necessary, to remove particulate matter and surface films.
- Rinse thoroughly with tap water.
- Rinse thoroughly with organic-free water and place on a clean foil-wrapped surface to **a**ir-dry.
- Wrap the dry equipment with aluminum foil or bag in clean plastic. If the equipment is to be stored overnight before it is wrapped in foil, it should be covered and secured with clean, unused plastic sheeting.

3.4.2 Alternative Solvent Rinse Method

The historical solvent rinse method of cleaning equipment for trace contaminant sampling remains an acceptable method.

- Clean with tap water and Liquinox® detergent using a brush, if necessary, to remove particulate matter and surface films. Equipment may be steam cleaned (Liquinox® detergent and high-pressure hot water) as an alternative to brushing. Sampling equipment that is steam cleaned should be placed on racks or saw horses at least two feet above the floor of the decontamination pad. PVC or plastic items should not be steam cleaned.

- Rinse thoroughly with tap water.

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- Rinse thoroughly with deionized water.
- Rinse with an appropriate solvent (generally isopropanol).
- Rinse with organic-free water and place on a clean foil-wrapped surface to **a**ir-dry.
- Wrap the dry equipment with aluminum foil or plastic. If the equipment is to be stored overnight before it is wrapped, it should be covered and secured with clean, unused plastic sheeting.

3.5 Well Sounders or Tapes

The following procedures are recommended for decontaminating well sounders (water level indicators) and tapes. Unless conditions warrant, it is only necessary to decontaminate the wetted portion of the sounder or tape.

- Wash with Liquinox® detergent and tap water.
- Rinse with tap water.
- Rinse with deionized water.

3.6 Redi-Flo2® Pump

CAUTION – Do not wet the controller. Always disconnect power from the pump when handling the pump body.

The Redi-Flo2® pump and any associated connected hardware (e.g., check valve) should be decontaminated between each monitoring well. The following procedures are required, depending on whether the pump is used solely for purging or used for purging and sampling.

3.6.1 Purge Only (Pump and Wetted Portion of Tubing or Hose)

- Disconnect power and wash exterior of pump and wetted portion of the power lead and tubing or hose with Liquinox® detergent and water solution.
- Rinse with tap water.
- Final rinse with deionized water.
- Place pump and reel in a clean plastic bag and keep tubing or hose contained in clean plastic or galvanized tub between uses.

3.6.2 Purge And Sample

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Grundfos Redi-Flo2® pumps are extensively decontaminated and tested at the FEC to prevent contamination from being transmitted between sites. The relevant sections of LSASDPROC-206, *Field Equipment Cleaning and Decontamination at the FEC,* should be implemented in the field where a high risk of cross-contamination exists, such as where NAPL or high-concentration contaminants occur. In most cases, the abbreviated cleaning procedure described below will suffice, provided that sampling proceeds from least to most contaminated areas.

- Disconnect and discard the previously used sample tubing from the pump. Remove the check valve and tubing adapters and clean separately (See Section 3.6.3 for check valve). Wash the pump exterior with detergent and water.

- Prepare and fill three containers with decontamination solutions, consisting of Container #1, a tap water/detergent washing solution. Luminox® is commonly used. An additional pre-wash container of Liquinox® may be used; Container #2, a tap water rinsing solution; and Container #3, a deionized or organic-free water final rinsing solution. Choice of detergent and final rinsing solution for all steps in this procedure is dependent upon project objectives (analytes and compounds of interest). The containers should be large enough to hold the pump and one to two liters of solution. An array of 2' long 2" PVC pipes with bottom caps is a common arrangement. The solutions should be changed at least daily.

- Place the pump in Container #1. Turn the pump on and circulate the detergent and water solution through the pump and then turn the pump off.

- Place the pump in Container #2. Turn the pump on and circulate the tap water through the pump and then turn the pump off.

- Place the pump in Container #3. Turn the pump on and circulate deionized or organic-free water through the pump and then turn the pump off.

- Disconnect power and remove pump from Container #3. Rinse exterior and interior of pump with fresh deionized or organic-free water.

- Decontaminate the power lead by washing with detergent and water, followed by tap water and deionized water rinses. This step may be performed before washing the pump if desired.

- Reassemble check valve and tubing adapters to pump. ALWAYS use Teflon® tape to prevent galling of threads. Firm hand-tightening of fittings or light wrench torque is generally adequate.

- Place the pump and reel in a clean plastic bag.

3.6.3 Redi-Flo2® Ball Check Valve

- Remove the ball check valve from the pump head. Check for wear and/or corrosion, and replace as needed. During decontamination check for free-flow in forward direction and blocking of flow in reverse direction.

- Using a brush, scrub all components with detergent and tap water.

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- Rinse with deionized water.
- Rethread the ball check valve to the Redi-Flo2® pump head.

3.7 Mega-Monsoon® and GeoSub® Electric Submersible Pump

As these pumps have lower velocities in the turbine section and are easier to disassemble in the field than Grundfos pumps, the outer pump housing should be removed to expose the impeller for cleaning prior to use and between each use when used as a sampling pump for trace contaminant sampling.

- Remove check valves and adapter fittings and clean separately.
- Remove the outer motor housing by holding the top of the pump head and unscrewing the outer housing from its O-ring sealed seat.
- Clean all pump components per the provisions of section 3.4. Use a small bottle brush for the pump head passages
- Wet the O-ring(s) on the pump head with organic-free water. Reassemble the outer pump housing to the pump head.
- Clean cable and reel per Section 3.4.
- Conduct final rinse of pump with organic-free water over pump and through pump turbine.

3.8 Bladder Pumps

Bladder pumps are presumed to be intended for use as low flow purge-and-sample pumps. The Geotech® bladder pump and Geoprobe Systems® mechanical bladder pump can be cleaned similarly.

- Discard any tubing returned with the pump.
- Completely disassemble the pump, being careful to note the initial position of and retain any springs and loose ball checks.
- Discard pump bladder.
- Clean all parts as per the standard cleaning procedure in Section 3.4.
- Install a new Teflon® bladder and reassemble pump.

3.9 Downhole Drilling Equipment

While LSASD does not currently operate drilling equipment, LSASD personnel do oversee and specify drilling operations. The following procedures are to be used for drilling activities involving the collection of soil samples for trace organic and inorganic constituent analyses and for the construction of monitoring wells to be used for the collection of groundwater samples for trace organic and inorganic constituent analyses.

3.9.1 Introduction

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Cleaning and decontamination of all equipment should occur at a designated area (decontamination pad) on the site. The decontamination pad should meet the specifications of Section 3.2 of this procedure.

Tap water brought on the site for drilling and cleaning purposes should be contained in a pre-cleaned tank.

A steam cleaner and/or high pressure hot water washer capable of generating a pressure of at least 2500 PSI and producing hot water and/or steam, with a detergent compartment, should be obtained.

3.9.2 Preliminary Cleaning and Inspection

Drilling equipment should be clean of any contaminants that may have been transported from off-site to minimize the potential for cross-contamination. The drilling equipment should not serve as a source of contaminants. Associated drilling and decontamination equipment, well construction materials, and equipment handling procedures should meet these minimum specified criteria:

- All downhole augering, drilling, and sampling equipment should be sandblasted before use if painted, and/or there is a buildup of rust, hard or caked matter, etc., that cannot be removed by steam cleaning (detergent and high pressure hot water), or wire brushing. Sandblasting should be performed prior to arrival on site, or well away from the decontamination pad and areas to be sampled.

- Any portion of the drilling equipment that is over the borehole (kelly bar or mast, backhoe buckets, drilling platform, hoist or chain pulldowns, spindles, cathead, etc.) should be steam cleaned (detergent and high pressure hot water) and wire brushed (as needed) to remove all rust, soil, and other material which may have come from other sites before being brought on site.

- Printing and/or writing on well casing, tremie tubing, etc., should be removed before use. Emery cloth or sand paper can be used to remove the printing and/or writing. Most well material suppliers can provide materials without the printing and/or writing if specified when ordered. Items that cannot be cleaned are not acceptable and should be discarded.

- Equipment associated with the drilling and sampling activities should be inspected to insure that all oils, greases, hydraulic fluids, etc., have been removed, and all seals and gaskets are intact with no fluid leaks.

3.9.3 Drill Rig Field Cleaning Procedure

Any portion of the drill rig, backhoe, etc., that is over the borehole (kelly bar or mast, backhoe buckets, drilling platform, hoist or chain pulldowns, spindles, cathead, etc.) should be steam cleaned (detergent and high pressure hot water) between boreholes.

3.9.4 Field Decontamination Procedure for Drilling Equipment

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The following is the standard procedure for field cleaning augers, drill stems, rods, tools, and associated equipment. This procedure does not apply to well casings, well screens, or split-spoon samplers used to obtain samples for chemical analyses, which should be decontaminated as outlined in Section 3.4 of this procedure.

- Wash with tap water and detergent, using a brush if necessary, to remove particulate matter and surface films. Steam cleaning (high pressure hot water with detergent) may be necessary to remove matter that is difficult to remove with the brush. Drilling equipment that is steam cleaned should be placed on racks or saw horses at least two feet above the floor of the decontamination pad. Hollow-stem augers, drill rods, etc., that are hollow or have holes that transmit water or drilling fluids, should be cleaned on the inside with vigorous brushing.

- Rinse thoroughly with tap water.

- Remove from the decontamination pad and cover with clean, unused plastic if not used immediately. If stored overnight, the plastic should be secured to ensure that it stays in place.

3.9.5 Field Decontamination Procedure for Direct Push Technology (DPT) Equipment

- Certain specific procedures for the decontamination of DPT tools are described in the various sampling procedures, but the following general guidelines apply:

- Prior to return to the Field Equipment Center, all threaded tool joints should be broken apart and the equipment cleaned per the provisions of *Section 2.5, Sample Collection Equipment Contaminated with Environmental Media* of this procedure.

- Equipment that contacts the sample media and is cleaned in the field for reuse should be cleaned per the provisions of *Section 3.4, Sampling Equipment used for the Collection of Trace Organic and Inorganic Compounds* of this procedure. This would include piston sampler points and shoes, screen point sampler screens and sheaths, and the drive rods when used for groundwater sampling.

- Equipment that does not directly contact the sample media and is cleaned in the field for reuse can generally be cleaned per the provisions of Section *3.7.4, Field Decontamination Procedure for Drilling Equipment* of this procedure.

- Stainless steel SP15/16 well screens require special care as the narrow slots are difficult to clean under even controlled circumstances and galvanic corrosion can release chrome from the screen surface. As soon as possible after retrieval, the screen slots should be sprayed from the outside to break loose as much material as possible before it can dry in place. To prevent galvanic corrosion, the screens must be segregated from the sampler sheaths, drive rods, and other carbon steel during return transport from the field.

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3.10 Rental Pumps

Completing a groundwater sampling project may require the use of rental pumps. Rental pumps are acceptable where they are of suitable stainless steel and Teflon® construction. These pumps should be cleaned prior to use using the procedures specified herein and a rinse-blank collected prior to use.

4 References

LSASD Operating Procedure for Management of Investigation Derived Waste, LSASDPROC-202, Most Recent Version

LSASD Operating Procedure for Equipment Cleaning and Decontamination at the FEC, LSASDPROC-206, Most Recent Version

US EPA. Safety, Health and Environmental Management Program Procedures and Policy Manual. Region 4 LSASD, Athens, GA, Most Recent Version

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Revision History

The top row of this table shows the most recent changes to this controlled document. For previous revision history information, archived versions of this document are maintained by the LSASD Document Control Coordinator on the LSASD local area network (LAN).

History	Effective Date
LSASDPROC-205-R4, *Field Equipment Cleaning and Decontamination,* replaces SESDPROC-205-R3 **General:** Updated format, Division and Branch names and naming conventions post agency re-alignment. Section 3.1: Added note that PFAS sampling equipment will not be cleaned in the field. Clarified in Section 3.9 that LSASD does not performing drilling activities.	June 22, 2020
SESDPROC-205-R3, *Field Equipment Cleaning and Decontamination*, replaces SESDPROC-205-R2. **Cover Page:** The author was changed to Brian Striggow. LSASD's reorganization was reflected in the authorization section by making John Deatrick the Chief of the Field Services Branch. The FQM was changed from Bobby Lewis to Hunter Johnson. **Revision History:** Changes were made to reflect the current practice of only including the most recent changes in the revision history. **General:** Corrected any typographical, grammatical and/or editorial errors. **Section 1.4:** Differentiate between Liquinox® and Luminox® detergents. **Section 3.4:** Restore solvent rinse as alternative cleaning method. **Section 3.7:** Added section on cleaning of 12 Volt electric submersible pumps. **Section 3.8:** Added section on cleaning of bladder pumps. **Section 3.9:** Added language on cleaning and transport of SP15/16 screens **Section 3.10:** Added section on cleaning of rental pumps	December 18, 2015
SESDPROC-205-R2, *Field Equipment Cleaning and Decontamination*, replaces SESDPROC-205-R1.	December 20, 2011
SESDPROC-205-R1, *Field Equipment Cleaning and Decontamination*, replaces SESDPROC-205-R0.	November 1, 2007

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SESDPROC-205-R0, *Field Equipment Cleaning and Decontamination*, Original Issue	February 05, 2007

Uncontrolled When Printed

Region 4 U.S. Environmental Protection Agency Laboratory Services and Applied Science Division Athens, Georgia	
Operating Procedure	
Title: Packing, Marking, Labeling and Shipping of Environmental and Waste Samples	ID: LSASDPROC-209-R5
Issuing Authority: Field Services Branch Supervisor	
Effective Date: April 22, 2023	Review Due Date: February 23, 2024
Method Reference: N/A	SOP Author: Paula Whiting

Purpose

Regulations for packing, marking, labeling, and shipping of dangerous goods by air transport are promulgated by Department of Transportation under 49 CFR, Subchapter C, Hazardous Materials Regulations, and the International Air Transport Authority (IATA), which is equivalent to United Nations International Civil Aviation Organization (UN/ICAO). Transportation of hazardous materials (dangerous goods) by EPA personnel is covered by EPA Order 1000. This document describes general and specific procedures, methods and considerations to be used and observed by LSASD field investigators when packing, marking, labeling and shipping environmental and waste samples to ensure that all shipments are in compliance with the above regulations and guidance.

Scope/Application

The procedures contained in this document are to be used by field personnel when packing, marking, labeling, and shipping environmental samples and dangerous goods by air transport. Samples collected during field investigations or in response to a hazardous materials incident must be classified prior to shipment, as either environmental or hazardous materials (dangerous goods) samples.

In general, environmental samples include drinking water, most groundwater and ambient surface water, soil, sediment, treated municipal and industrial wastewater effluent, biological specimens, or any samples not expected to be contaminated with high levels of hazardous materials. Samples collected from process wastewater streams, drums, bulk storage tanks, soil, sediment, or water samples from areas suspected of being highly contaminated may require shipment as dangerous goods.

Government employees transporting samples or hazardous materials (i.e., preservatives or waste samples) in government vehicles are not subject to the requirements of this section in accordance with 49 CFR 171.1(d)(5). EPA contractors, however, are not covered by this exemption and may not transport these materials without full compliance with 49 CFR. Mention of trade names or commercial products in this operating procedure does not constitute endorsement or recommendation for use.

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1 General Information

1.1 Documentation/Verification

This procedure was prepared by persons deemed technically competent by LSASD management, based on their knowledge, skills and abilities and have been tested in practice and reviewed in print by a subject matter expert. The official copy of this procedure resides on the LSASD local area network (LAN). The Document Control Coordinator (DCC) is responsible for ensuring the most recent version of the procedure is placed on the LAN and for maintaining records of review conducted prior to its issuance.

1.2 General Precautions

1.2.1 Safety

Proper safety precautions must be observed when packing, marking, labeling, and shipping environmental or waste samples. Refer to the LSASD Safety, Health and Environmental Management Program (SHEMP) Procedures and Policy Manual and any pertinent site-specific Health and Safety Plans (HASPs) for guidelines on safety precautions. These guidelines, however, should only be used to complement the judgment of an experienced professional.

2 Shipment of Dangerous Goods

2.1 The project leader is responsible for determining if samples collected during a specific field investigation meet the definitions for dangerous goods. If a sample is collected of a material that is listed in the Dangerous Goods List, Section 4.2, IATA, then that sample must be identified, packaged, marked, labeled, and shipped according to the instructions given for that material. If the composition of the collected sample(s) is unknown, and the project leader knows or suspects that it is a regulated material (dangerous goods), the sample may not be offered for air transport. If the composition and properties of the waste sample or highly contaminated soil, sediment, or water sample are unknown, or only partially known, the sample may not be offered for air transport.

In addition, the shipment of pre-preserved sample containers or bottles of preservatives (e.g., NaOH pellets, HCL, etc.) which are designated as dangerous goods by IATA is regulated. Shipment of nitric acid is strictly regulated. Consult the IATA Dangerous Goods Regulations for guidance. ***Dangerous goods must not be offered for air transport by any personnel except LSASD's dangerous goods shipment designee or other personnel trained and certified by IATA in dangerous goods shipment.***

3 Shipment of Environmental Samples

3.1 Guidance for the shipment of environmental laboratory samples by personnel is provided in a memorandum dated March 6, 1981, subject "Final National Guidance Package for Compliance with Department of Transportation Regulations in the Shipment of Laboratory Samples". By this memorandum, the shipment of the following unpreserved samples is not regulated:

3.1.1 Drinking water
3.1.2 Treated effluent
3.1.3 Biological specimens
3.1.4 Sediment
3.1.5 Water treatment plant sludge
3.1.6 POTW sludge

3.2 In addition, the shipment of the following preserved samples is not regulated, provided the amount of preservative used does not exceed the amounts found in 40 CFR 136.3 or the USEPA Region 4 Analytical Support Branch Laboratory Operations and Quality Assurance Manual (ASBLOQAM), Most Recent Version. This provision is also discussed in correspondence between DOT and EPA (Department of Transportation, Letter from Edward T. Mazzullo, Director, Office of Hazardous Materials Standards, to Henry L. Longest II, Acting Assistant Administrator, USEPA, Ref No.: 02-0093, February 13, 2003). It is the shippers' (individual signing the air waybill) responsibility to ensure that proper amounts of preservative are used:

3.2.1 Drinking water
3.2.2 Ambient water
3.2.3 Treated effluent
3.2.4 Biological specimens
3.2.5 Sediment
3.2.6 Wastewater treatment plant sludge
3.2.7 Water treatment plant sludge

3.3 Samples determined by the project leader to be in these categories are to be shipped using the following protocol, developed jointly between USEPA, OSHA, and DOT. This procedure is documented in the "Final National Guidance Package for Compliance with Department of Transportation Regulations in the Shipment of Environmental Laboratory Samples."

3.4 Untreated wastewater and sludge from Publicly Owned Treatment Works (POTWs) are considered to be "diagnostic specimens" (not environmental laboratory samples). However, because they are not considered to be etiologic agents (infectious) they are not restricted and may be shipped using the procedures outlined below.

3.5 Environmental samples should be packed prior to shipment by air using the following procedures:

3.5.1 Allow sufficient headspace (ullage) in all bottles (except VOA containers with a septum seal) to compensate for any pressure and temperature changes (approximately 10 percent of the volume of the container).

3.5.2 Ensure that the lids on all bottles are tight (will not leak).

3.5.3 Place bottles in separate and appropriately sized polyethylene bags and seal the bags. If available, the use of Whirl-Pak bags is preferable, if unavailable seal regular bags with tape (plastic electrical tape).

3.5.4 Select a sturdy cooler in good repair. Secure and tape the drain plug with fiber or duct tape inside and outside. Line the cooler with a large heavy duty plastic bag.

3.5.5 Place cushioning/absorbent material in the bottom of the cooler and then place the containers in the cooler with sufficient space to allow for the addition of cushioning between the containers.

3.5.6 .If required by the method for preservation, put "blue ice" (or ice that has been "double bagged" in heavy duty polyethylene bags and properly sealed) on top of and/or between the containers. Fill all remaining space between the containers with absorbent material.

3.5.7. If the samples are preserved with ice, include a temperature blank for the laboratory to verify that the samples are received at the appropriate temperature.

3.5.8 Securely fasten the top of the large garbage bag with tape (preferably plastic electrical tape).

3.5.9 Place the Chain-of-Custody Record or the CLP Traffic Report Form (if applicable) into a plastic bag and tape the bag to the inner side of the cooler lid.

3.5.10 Close the cooler and securely tape (preferably with fiber tape) the top of the cooler shut. Chain-of-custody seals should be affixed to the top and sides of the cooler within the securing tape so that the cooler cannot be opened without breaking the seal.

4 References

International Air Transport Authority (IATA). Dangerous Goods Regulations, Most Recent Version.

Title 40 Code of Federal Regulations (CFR), Pt. 136.3, Identification of Test Procedures, July 1, 2001. See Table II, Footnote 3.

Title 49 CFR, Pt. 171.1(d)(5), Applicability of Hazardous Materials Regulations (HMR) to Persons and Functions.

United States Department of Transportation (US DOT). 2003. Letter from Edward T. Mazzullo, Director, Office of Hazardous Materials Standards, to Henry L. Longest II, Acting Assistant Administrator, USEPA, Ref No. 02-0093, February 13, 2003.

US Environmental Protection Agency (US EPA) Order 1000.18, February 16, 1979.

US EPA. 1981. "Final Regulation Package for Compliance with DOT Regulations in the Shipment of Environmental Laboratory Samples," Memo from David Weitzman, Work Group Chairman, Office of Occupational Health and Safety (PM-273), April 13, 1981.

US EPA. 2001. Environmental Investigations Standard Operating Procedures and Quality Assurance Manual. Region 4 Science and Ecosystem Support Division (LSASD), Athens, GA.

US EPA. Analytical Support Branch Laboratory Operations and Quality Assurance Manual. Region 4 LSASD, Athens, GA, Most Recent Version.

US EPA. Safety, Health and Environmental Management Program Procedures and Policy Manual. Region 4 LSASD Athens, GA, Most Recent Version.

5 Revision History

This table shows the most recent changes to this controlled document. For previous revision history information, archived versions of this document are maintained by the LSASD Quality Assurance Coordinator on the LSASD local area network (LAN).

History	Effective Date
Replaced Chief with Supervisor; General formatting revisions.	April 22, 2023
LSASDPROC-209-R4 *Packing, Marking, Labeling and Shipping of Environmental and Waste Samples*, replaces LSASDPROC-209-R3 Reformatted document to Divisional Format	February 23, 2020
LSASDPROC-209-R3, *Packing, Marking, Labeling and Shipping of Environmental and Waste Samples*, replaces LSASDPROC-209-R2.	February 4, 2015
Cover Page: Changes made to reflect reorganization of LSASD from two field branches to one: John Deatrick listed as the Supervisor, Field Services Branch. The FQM was changed from Liza Montalvo to Hunter Johnson. Revision History: Changes were made to reflect the current practice of only including the most recent changes in the revision history.	
LSASDPROC-209-R2, Packing, Marking, Labeling and Shipping of Environmental and Waste Samples, replaces LSASDPROC-209-R1.	April 20, 2011
LSASDPROC-209-R1, Packing, Marking, Labeling and Shipping of Environmental and Waste Samples, replaces LSASDPROC-209-R0.	November 1, 2007
LSASDPROC-209-R0, Packing, Marking, Labeling and Shipping of Environmental and Waste Samples, Original Issue	February 05, 2007

Region 4 **U.S. Environmental Protection Agency** **Laboratory Services & Applied Science Division** **Athens, Georgia**	
Operating Procedure	
Title: Soil Sampling	ID: LSASDPROC-300-R5
Issuing Authority: Field Services Branch Supervisor	
Effective Date: April 22, 2023	Review Due Date: June 10, 2024
Method Reference: N/A	SOP Author: Kevin Simmons

Purpose

This document describes general and specific procedures, methods and considerations to be used and observed when collecting soil samples for field screening or laboratory analysis.

Scope/Application

The procedures contained in this document are to be used by field personnel when collecting and handling soil samples in the field. On the occasion that LSASD field personnel determine that any of the procedures described in this section are inappropriate, inadequate or impractical and that another procedure must be used to obtain a soil sample, the variant procedure will be documented in the field logbook and subsequent investigation report, along with a description of the circumstances requiring its use. Mention of trade names or commercial products in this operating procedure does not constitute endorsement or recommendation for use.

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1 General Information

1.1 Documentation/Verification

This procedure was prepared by persons deemed technically competent by LSASD management, based on their knowledge, skills and abilities and have been tested in practice and reviewed in print by a subject matter expert. The official copy of this procedure resides on the LSASD local area network (LAN). The QAC is responsible for ensuring the most recent version of the procedure is placed on the LAN, and for maintaining records of review conducted prior to its issuance.

1.2 General Precautions

1.2.1 Safety

Proper safety precautions must be observed when collecting soil samples. Refer to the LSASD Safety and Occupational Health Manual and any pertinent site-specific Health and Safety Plans (HASP) and Job Hazard Assessments for guidelines on safety precautions. These guidelines, however, should only be used to complement the judgment of an experienced professional. The reader should address chemicals that pose specific toxicity or safety concerns and follow any other relevant requirements, as appropriate.

1.2.2 Procedural Precautions

The following precautions should be considered when collecting soil samples:

- Special care must be taken not to contaminate samples. This includes storing samples in a secure location to preclude conditions which could alter the properties of the sample. Samples shall be custody sealed during long-term storage or shipment.
- Collected samples are in the custody of the sampler or sample custodian until the samples are relinquished to another party.
- If samples are transported by the sampler, they will remain under his/her custody or be secured until they are relinquished.
- Shipped samples shall conform to all U.S. Department of Transportation (DOT) rules of shipment found in Title 49 of the Code of Federal Regulations (49 CFR parts 171 to 179), and/or International Air Transportation Association (IATA) hazardous materials shipping requirements found in the current edition of IATA's Dangerous Goods Regulations.
- Documentation of field sampling is done in a bound logbook.

- Chain-of-custody documents shall be filled out and remain with the samples until custody is relinquished.
- All shipping documents, such as air bills, bills of lading, etc., shall be retained by the project leader in the project files. (Air bills are generated online via UPS Campusship program and package tracking is done online). Receipts are not always received at time of shipping.
- Sampling in landscaped areas: Cuttings should be placed on plastic sheeting and returned to the borehole upon completion of the sample collection. Any 'turf plug' generated during the sampling process should be returned to the borehole.
- Sampling in non-landscaped areas: Return any unused sample material back to the auger, drill or push hole from which the sample was collected.

2 Special Sampling Considerations

2.1 Special Precautions for Trace Contaminant Soil Sampling

- A clean pair of new, non-powdered, disposable gloves will be worn each time a different sample is collected and the gloves should be donned immediately prior to sampling. The gloves should not come in contact with the media being sampled and should be changed any time during sample collection when their cleanliness is compromised.
- Sample containers with samples suspected of containing high concentrations of contaminants shall be handled and stored separately.
- All background samples shall be segregated from obvious high-concentration or waste samples. Sample collection activities shall proceed progressively from the least suspected contaminated area to the most suspected contaminated area. Samples of waste or highly-contaminated media must not be placed in the same ice chest as environmental (i.e., containing low contaminant levels) or background samples.
- If possible, one member of the field sampling team should take all the notes and photographs, fill out tags, etc., while the other member(s) collect the samples.
- Samplers must use new, verified/certified-clean disposable or non-disposable equipment cleaned according to procedures contained in the LSASD Operating Procedure for Field Equipment Cleaning and Decontamination (SESDPROC-205), for collection of samples for trace metals or organic compound analyses.

2.2 Sample Homogenization

1. If sub-sampling of the primary sample is to be performed in the laboratory, transfer the entire primary sample directly into an appropriate, labeled sample container(s). Proceed to step 4.

2. If sub-sampling the primary sample in the field or compositing multiple primary samples in the field, place the sample into a glass or stainless steel homogenization container and mix thoroughly. Each aliquot of a composite sample should be of the same approximate volume.

3. All soil samples must be thoroughly mixed to ensure that the sample is as representative as possible of the sample media. ***Samples for VOC analysis are not homogenized.*** The most common method of mixing is referred to as quartering. The quartering procedure should be performed as follows:

   - The material in the sample pan should be divided into quarters and each quarter should be mixed individually.
   - Two quarters should then be mixed to form halves.
   - The two halves should be mixed to form a homogenous matrix.

   This procedure should be repeated several times until the sample is adequately mixed. If round bowls are used for sample mixing, adequate mixing is achieved by stirring the material in a circular fashion, reversing direction, and occasionally turning the material over.

4. Place the sample into an appropriate, labeled container(s) by using the alternate shoveling method and secure the cap(s) tightly. The alternate shoveling method involves placing a spoonful of soil in each container in sequence and repeating until the containers are full or the sample volume has been exhausted. Threads on the container and lid should be cleaned to ensure a tight seal when closed.

2.3 Dressing Soil Surfaces

Any time a vertical or near vertical surface is sampled, such as achieved when shovels or similar devices are used for subsurface sampling, the surface should be dressed (scraped) to remove smeared soil. This is necessary to minimize the effects of contaminant migration interferences due to smearing of material from other levels.

2.4 Quality Control

If possible, a control sample should be collected from an area not affected by the possible contaminants of concern and submitted with the other samples. This control sample should be collected as close to the sampled area as possible and from the same soil type. Equipment blanks should be collected if equipment is field cleaned and re-used on-site or if necessary to document that low-level contaminants were not introduced by sampling tools. LSASD Operating Procedure for Field Sampling Quality Control (SESDPROC-011) contains other procedures that may be applicable to soil sampling investigations.

2.5 Records

Field notes, recorded in a bound field logbook, as well as chain-of-custody documentation will be generated as described in the LSASD Operating Procedure for Logbooks (SESDPROC-010) and the LSASD Operating Procedure for Sample and Evidence Management (SESDPROC-005).

3 Samples Collected for Volatile Organic Compounds (VOC) or for Per- and Polyfluoroalkyl Substances (PFAS) Analyses

3.1 Soil Samples Collected for Volatile Organic Compounds (VOC) Analysis

The procedures outlined here are summarized from *Test Methods for Evaluating SolidWaste, Physical/Chemical Methods SW-846, Method 5035.*If samples are to be analyzed for VOCs, they should be collected in a manner that minimizes disturbance of the sample. For example, when sampling with an auger bucket, the sample for VOC analysis should be collected directly from the auger bucket (preferred) or from minimally disturbed material immediately after an auger bucket is emptied into the pan. The sample shall be containerized by filling an En Core® Sampler or other Method 5035 compatible container. ***Samples for VOC analysis are not homogenized.*** Preservatives may be required for some samples with certain variations of Method 5035. Consult the method or the principal analytical chemist to determine if preservatives are necessary.

3.2 Soil Sampling for VOCs (Method 5035)

The following sampling protocol is recommended for site investigators assessing the extent of VOCs in soils at a project site. Because of the large number of options

available, careful coordination between field and laboratory personnel is needed. The specific sampling containers and sampling tools required will depend upon the detection levels and intended data use. Once this information has been established, selection of the appropriate sampling procedure and preservation method best applicable to the investigation can be made.

3.2.1 Equipment

Soil for VOC analyses may be retrieved using any of the LSASD soil sampling methods described in Sections 4 through 8 of this procedure. Once the soil has been obtained, the En Core® Sampler, syringes, stainless steel spatula, standard 2- oz. soil VOC container, or pre-prepared 40 mL vials may be used/required for sub-sampling. The specific sample containers and the sampling tools required will depend upon the data quality objectives established for the site or sampling investigation. The various sub-sampling methods are described below.

3.2.2 Sampling Methodology - Low Concentrations (<200 µg/kg)

When the total VOC concentration in the soil is expected to be less than 200 µg/kg, the samples may be collected directly with the En Core® Sampler or syringe. If using the syringes, the sample must be placed in the sample container (40 mL pre-prepared vial) immediately to reduce volatilization losses. The 40 mL vials should contain 10 mL of organic-free water for an un-preserved sample or approximately 10 mL of organic-free water and a preservative. It is recommended that the 40 mL vials be prepared and weighed by the laboratory (commercial sources are available which supply preserved and tared vials). When sampling directly with the En Core® Sampler, the vial must be immediately capped and locked.

A soil sample for VOC analysis may also be collected with conventional sampling equipment. A sample collected in this fashion must either be placed in the final sample container (En Core® Sampler or 40 mL pre-prepared vial) immediately or the sample may be immediately placed into an intermediate sample container with no head space. If an intermediate container (usually 2-oz. soil jar) is used, the sample must be transferred to the final sample container (En Core® Sampler or 40 mL pre-prepared vial) as soon as possible, not to exceed 30 minutes.

NOTE:After collection of the sample into either the En Core® Sampler or other container, the sample must immediately be stored in an ice chest and cooled.

Soil samples may be prepared for shipping and analysis as follows:

En Core® Sampler - the sample shall be capped, locked, and secured in the original foil bag. All foil bags containing En Core® samplers are then placed in a plastic bag and sealed with custody tape, if required.

Syringe - Add about 3.7 cc (approximately 5 grams) of sample material to 40-mL pre-prepared containers. Secure the containers in a plastic bag. Do not use a custody seal on the container; place the custody seal on the plastic bag. Note: When using the syringes, it is important that no air is allowed to become trapped behind the sample prior to extrusion, as this will adversely affect the sample.

Stainless Steel Laboratory Spatulas - Add between 4.5 and 5.5 grams (approximate) of sample material to 40 mL containers. Secure the containers in a plastic bag. Do not use a custody seal on the container; place the custody seal on the plastic bag.

3.2.3 Sampling Methodology - High Concentrations (>200 µg/kg)

Based upon the data quality objectives and the detection level requirements, this high-level method may also be used. Specifically, the sample may be packed into a single 2-oz. glass container with a screw cap and septum seal. The sample container must be filled quickly and completely to eliminate head space. Soils\sediments containing high total VOC concentrations may also be collected as described in Section 3.2.2, Sampling Methodology - Low Concentrations, and preserved using 10 mL methanol.

3.2.4 Special Techniques and Considerations for Method 5035

Effervescence

If low concentration samples effervesce (rapidly form bubbles) from contact with the acid preservative, then either a test for effervescence must be performed prior to sampling, or the investigators must be prepared to collect each sample both preserved or un-preserved, as needed, or all samples must be collected unpreserved.

To check for effervescence, collect a test sample and add to a pre-preserved vial. If preservation (acidification) of the sample results in effervescence then preservation by acidification is not acceptable, and the sample must be collected un-preserved.

If effervescence occurs and only pre-preserved sample vials are available, the preservative solution may be placed into an appropriate hazardous waste container and the vials triple rinsed with organic free water. An appropriate amount of organic free water, equal to the amount of preservative solution, should be placed

into the vial. The sample may then be collected as an un-preserved sample. Note: the amount of organic free water placed into the vials will have to be accurately measured.

Sample Size

While this method is an improvement over earlier ones, field investigators must be aware of an inherent limitation. Because of the extremely small sample size and the lack of sample mixing, sample representativeness for VOCs may be reduced compared to samples with larger volumes collected for other constituents. The sampling design and objectives of the investigation should take this into consideration.

Holding Times

Sample holding times are specified in the Laboratory Services Branch *Laboratory Operations and Quality Assurance Manual* (ASBLOQAM), Most Recent Version. Field investigators should note that the holding time for an un-preserved VOC soil/sediment sample on ice is 48 hours. Arrangements should be made to ship the soil/sediment VOC samples to the laboratory by overnight delivery the day they are collected so the laboratory may preserve and/or analyze the sample within 48 hours of collection.

Percent Solids

Samplers must ensure that the laboratory has sufficient material to determine percent solids in the VOC soil/sediment sample to correct the analytical results to dry weight. If other analyses requiring percent solids determination are being performed upon the sample, these results may be used. If not, a separate sample (minimum of 2 oz.) for percent solids determination will be required. The sample collected for percent solids may also be used by the laboratory to check for preservative compatibility.

Safety

Methanol is a toxic and flammable liquid. Therefore, methanol must be handled with all required safety precautions related to toxic and flammable liquids. Inhalation of methanol vapors must be avoided. Vials should be opened and closed quickly during the sample preservation procedure. Methanol must be handled in a ventilated area. Use protective gloves when handling the methanol vials. Store methanol away from sources of ignition such as extreme heat or open flames. The vials of methanol should be stored in a cooler with ice at all times.

Shipping

Methanol and sodium bisulfate are considered dangerous goods, therefore shipment of samples preserved with these materials by common carrier is regulated by the U.S. Department of Transportation and the International Air Transport Association (IATA). The rules of shipment found in Title 49 of the Code of Federal Regulations (49 CFR parts 171 to 179) and the current edition of the IATA Dangerous Goods Regulations must be followed when shipping methanol and sodium bisulfate. Consult the above documents or the carrier for additional information. Shipment of the quantities of methanol and sodium bisulfate used for sample preservation falls under the exemption for small quantities.

The summary table on the following page lists the options available for compliance with SW846 Method 5035. The advantages and disadvantages are noted for each option. LASSD's goal is to minimize the use of hazardous material (methanol and sodium bisulfate) and minimize the generation of hazardous waste during sample collection.

Table 1: Method 5035 Summary

OPTION	PROCEDURE	ADVANTAGES	DISADVANTAGES
1	Collect two 40 mL vials with ≈ 5 grams of sample, and one 2 oz. glass jar w/septum lid for screening, % moisture and preservative compatibility.	Screening conducted by lab.	Presently a 48-hour holding time for unpreserved samples. Sample containers must be tared.
2	Collect three En Core® samplers, and one 2 oz. glass jar w/septum lid for screening, % solids.	Lab conducts all preservation/preparation procedures.	Presently a 48- hour holding time for preparation of samples.
3	Collect two 40 mL vials with 5 grams of sample and preserve w/methanol or sodium bisulfate, and one 2-oz. glass jar w/septum lid for screening, % solids .	High level VOC samples may be composited. Longer holding time.	Hazardous materials used in the field. Sample containers must be tared.
4	Collect one 2-oz. glass jar w/septum lid for analysis, % solids (high level VOC only).	Lab conducts all preservation/preparation procedures.	May have significant VOC loss.

3.3 Soil Samples for Per- and Polyfluoroalkyl Substances (PFAS) Analysis

Sources of PFAS contamination in soils can include direct discharges, direct applications of some PFAS products such as aqueous film-forming foams (AFFF), air deposition from manufacturing stack emissions, landfill leachate, and land applications of biosolids or effluents. The distribution of PFAS in soils is multifaceted and will be dependent on site-specific conditions and soils as well as the individual properties of the PFAS such as chain length and functional group. Heavy PFAS contamination of subsurface soils can serve as long-term sources for both groundwater and surface water contamination. For more information about conducting site investigations for PFAS, please see the Interstate Technology and Regulatory Council's (ITRC's) April 2020 Fact Sheets: *Site Characterization Considerations, Sampling Precautions, and Laboratory Analytical Methods for Per- and Polyfluoroalkyl Substances (PFAS)*, and *Environmental Fate and Transport for Per- and Polyfluoroalkyl Substances*.

3.3.1 Sampling Equipment

Guidance documents recommend sampling equipment be made of stainless-steel, high-density polyethylene (HDPE), polypropylene, and/or silicone. Standard soil sampling equipment such as stainless-steel spoons, hand augers, and direct push samplers with liners that are PFAS-free can be used to collect samples for PFAS analyses. Direct contact sampling equipment that will be used to collect samples for PFAS analyses should be decontaminated following the procedures in the *Field Equipment Cleaning and Decontamination at the FEC*, LSASDPROC-206.

3.3.2 PFAS Soil Sample Mixing and Homogenization Considerations

Because studies have shown the loss of PFAS due to adsorption to surfaces, samples should be minimally handled and directly placed into the sample container when possible. Sample preparation procedures should be specified in the Sampling and Analysis Plan (SAP). If compositing, mixing or homogenization of the sample is desired, it should preferably be done at the laboratory so that a representative subsample will be analyzed. In cases where the homogenization is conducted in the field, extra grab samples should accompany the mixed or composited samples to determine the variability and impacts on PFAS concentrations of the mixed samples.

3.3.3 Trace Level Sampling Technique for PFAS

To prevent PFAS contamination, **extreme care** is required when handling containers, samples and equipment that will be used to collect samples for PFAS analyses. **New gloves** need to be worn when decontaminating and handling sample containers and equipment. When worn gloves become compromised by potential PFAS containing materials, they need to be changed for new gloves. Nitrile gloves are recommended for PFAS sampling investigations. Also, sample containers should be kept covered in original packaging or in Whirl-Paks® until ready for use due to potential PFAS

contamination from air deposition of vapors, aerosols, and particulates.

This trace level sampling technique is used to minimize PFAS contamination of the samples. This process will require two field personnel for PFAS sample collection. When the field investigators are prepared to fill the sample container(s), a designated sampler will don new gloves while a second designee, also with new gloves, will assist by opening sample container packaging/Whirl-Pak®. The designated sampler removes the sample container(s) from the packaging but keeps them closed. Only after the second designee is ready to fill the sample container does the designated sampler remove the cap and hold it in their hand until the appropriate sample volume is obtained. After capping the sample container(s), return them to their Whirl-Pak®. The designated sampler who holds the sample container(s) should not touch anything else during the sample collection process. This is important because of the wide use of PFAS in commercial products such as clothing, field gear, personnel protective equipment, sunscreen, insect repellants, and personal hygiene products. Additionally, the designated sampler should avoid touching the sample media and the inside of the sample container. The second designee will operate sampling equipment and assist with sample container packaging and labeling. Sampling equipment known or suspected to contain PFAS should be avoided during sampling activities.

3.3.4 Quality Control Samples and Standard Operating Procedures

For soil samples undergoing PFAS analyses, it extremely important that quality control samples be collected as part of the investigation to account for the PFAS contribution of the sample containers, decontamination solutions, gloves, decontaminated equipment and plastic used to store equipment. Equipment rinse and material blanks are needed for PFAS sampling investigations to assess the direct contact sampling equipment impact on the sampling results. It is also helpful to take field quality control samples such as field blanks, duplicates, and trip blanks to evaluate the soil sampling and sample handling activities of the investigation. Laboratory sources of water used for equipment decontamination and blank sample collection should be produced as PFAS-free or assessed for background concentrations of PFAS.

Along with a good quality assurance program, standard operating procedures (SOPs) and detailed SAPs are required for PFAS investigations to provide consistency between samplers and investigations.

4 Manual Soil Sampling Methods

4.1 General

These methods are used primarily to collect surface and shallow subsurface soil samples. Surface soils are generally classified as soils between the ground surface and 6 to 12 inches below ground surface. The most common interval is 0 to 6 inches; however, the data quality objectives of the investigation may dictate another interval, such as 0 to 3 inches for risk assessment purposes. The shallow subsurface interval may be considered to extend from approximately 12 inches below ground surface to a site-specific depth at which sample collection using manual collection methods becomes impractical.

If a thick, matted root zone, gravel, concrete, etc. is present at or near the surface, it should be removed before the sample is collected. The depth measurement for the sample begins at the top of the soil horizon, immediately following any removed materials.

When compositing, make sure that each composite location (aliquot) consist of equal volumes, i.e., same number of equal spoonfuls.

4.2 Spoons

Stainless steel spoons may be used for surface soil sampling to depths of approximately 6 inches below ground surface where conditions are generally soft and non-indurated, and there is no problematic vegetative layer to penetrate.

4.2.1 Special Considerations When Using Spoons

When using stainless steel spoons, consideration must be given to the procedure used to collect the volatile organic compound sample. If the soil being sampled is cohesive and holds its in situ texture in the spoon, the En Core® Sampler or syringe used to collect the sub-sample for Method 5035 should be plugged directly from the spoon. If, however, the soil is not cohesive and crumbles when removed from the ground surface for sampling, consideration should be given to plugging the sample for Method 5035 directly from the ground surface at a depth appropriate for the investigation Data Quality Objectives.

4.3 Hand Augers

Hand augers may be used to advance boreholes and collect soil samples in the surface and shallow subsurface intervals. Typically, 3-inch stainless steel auger buckets with cutting

heads are used. The bucket is advanced by simultaneously pushing and turning using an attached handle with extensions (if needed).

4.3.1 Surface Soil Sampling

When conducting surface soil sampling with hand augers, the auger buckets may be used with a handle alone or with a handle and extensions. The bucket is advanced to the appropriate depth and the contents are transferred to the homogenization container for processing. Observe precautions for volatile organic compound and PFAS sample collection found in Section 3.

4.3.2 Subsurface Soil Sampling

Hand augers are the most common equipment used to collect shallow subsurface soil samples. Auger holes are advanced one bucket at a time until the sample depth is achieved. When the sample depth is reached, the bucket used to advance the hole is removed and a clean bucket is attached. The clean auger bucket is then placed in the hole and filled with soil to make up the sample and removed.

The practical depth of investigation using a hand auger depends upon the soil properties and depth of investigation. In sand, augering is usually easily performed, but the depth of collection is limited to the depth at which the sand begins to flow or collapse. Hand augers may also be of limited use in tight clays or cemented sands. In these soil types, the greater the depth attempted, the more difficult it is to recover a sample due to increased friction and torqueing of the hand auger extensions. At some point these problems become so severe that power equipment must be used.

4.3.3 Special Considerations for Soil Sampling with the Hand Auger

- Because of the tendency for the auger bucket to scrape material from the sides of the auger hole while being extracted, the top several inches of soil in the auger bucket should be discarded prior to placing the bucket contents in the homogenization container for processing.
- Observe precautions for volatile organic compound (VOC) and PFAS sample collection found in Section 3. Collect the VOC sample directly from the auger bucket, if possible.
- Power augers, such as the Little Beaver® and drill rigs may be used to advance boreholes to depths for subsurface soil sampling with the hand auger. They may not be used for sample collection. When power augers are used to advance a borehole to depth for sampling, care must be taken that exhaust fumes, gasoline and/or oil do not contaminate the borehole or area in the immediate vicinity of sampling.
- When moving to a new sampling location, the entire hand auger assembly must be replaced with a properly decontaminated hand auger assembly.

5 Direct Push Soil Sampling Methods

5.1 General

These methods are used primarily to collect shallow and deep subsurface soil samples. Three samplers are available for use within the Division's direct push tooling inventory. All of the sampling tools involve the collection and retrieval of the soil sample within a thin-walled liner. The following sections describe each of the specific sampling methods that can be accomplished using direct push techniques, along with details specific to each method. While LSASD currently uses the sample tooling described, tooling of similar design and materials is acceptable.

If gravel, concrete, etc. is present at or near the surface, it should be removed before the sample is collected. The depth measurement for the sample begins at the top of the soil horizon, immediately following any removed materials. Turf grass is not typically removed prior to sampling with these devices.

5.2 Large Bore® Soil Sampler

The Large Bore® (LB) sampler is a solid barrel direct push sampler equipped with a piston-rod point assembly used primarily for collection of depth-discrete subsurface soil samples. The sample barrel is approximately 30-inches (762 mm) long and has a 1.5-inch (38 mm) outside diameter. The LB® sampler is capable of recovering a discrete sample core 22 inches x 1.0 inch (559 mm x 25 mm) contained inside a removable liner. The resultant sample volume is a maximum of 283 mL.

After the LB® sample barrel is equipped with the cutting shoe and liner, the piston-rod point assembly is inserted, along with the drive head and piston stop assembly. The assembled sampler is driven to the desired sampling depth, at which time the piston stop pin is removed, freeing the push point. The LB® sampler is then pushed into the soil a distance equal to the length of the LB® sample barrel. The probe rod string, with the LB® sampler attached, is then removed from the subsurface. After retrieval, the LB® sampler is then removed from the probe rod string. The drive head is then removed to allow removal of the liner and soil sample.

5.3 Macro-Core® Soil Sampler

The Macro-Core® (MC) sampler is a solid barrel direct push sampler equipped with a piston-rod point assembly used primarily for collection of either continuous or depth-discrete subsurface soil samples. Although other lengths are available, the standard MC® sampler has an assembled length of approximately 52 inches (1321 mm) with an outside

diameter of 2.2 inches (56 mm). The MC® sampler is capable of recovering a discrete sample core 45 inches x 1.5 inches (1143 mm x 38 mm) contained inside a removable liner. The resultant sample volume is a maximum of 1300 mL. The MC® sampler may be used in either an open-tube or closed-point configuration. Although the MC® sampler can be used as an open-barrel sampler, in LSASD usage, the piston point is always used to prevent the collection of slough from the borehole sides.

5.4 Dual Tube Soil Sampling System

The Dual Tube 21 soil sampling system is a direct push system for collecting continuous core samples of unconsolidated materials from within a sealed outer casing of 2.125-inch (54 mm) OD probe rod. The samples are collected within a liner that is threaded onto the leading end of a string of 1.0-inch diameter probe rod. Collected samples have a volume of up to 800 mL in the form of a 1.125-inch x 48-inch (29 mm x 1219 mm) core. Use of this method allows for collection of continuous core inside a cased hole, minimizing or preventing cross-contamination between different intervals during sample collection. The outer casing is advanced, one core length at a time, with only the inner probe rod and core being removed and replaced between samples. If the sampling zone of interest begins at some depth below ground surface, a solid drive tip must be used to drive the dual tube assembly and core to its initial sample depth.

5.5 Special Considerations When Using Direct Push Sampling Methods

- *Liner Use and Material Selection* – Direct Push Soil Samples are collected within a liner to facilitate removal of sample material from the sample barrel. The liners may only be available in a limited number of materials for a given sample tool, although overall, liners are available in brass, stainless steel, cellulose acetate butyrate (CAB), polyethylene terepthalate glycol (PETG), polyvinyl chloride (PVC) and Teflon®. For most LSASD investigations, the standard polymer liner material for a sampling tool will be acceptable. When the study objectives require very low reporting levels or unusual contaminants of concern, the use of more inert liner materials such as Teflon® or stainless steel may be necessary.

- *Sample Orientation* – When the liners and associated sample are removed from the sample tubes, it is important to maintain the proper orientation of the sample. This is particularly important when multiple sample depths are collected from the same push. It is also important to maintain proper orientation to define precisely the depth at which an aliquot was collected. Maintaining proper orientation is typically accomplished using vinyl end caps. Convention is to place red caps on the top of the liner and black caps on the bottom to maintain proper sample orientation. Orientation can also be indicated by marking on the exterior of the liner with a permanent marker.

- *Core Catchers* – Occasionally the material being sampled lacks cohesiveness and is subject to crumbling and falling out of the sample liner. In cases such as these, the use of core catchers on the leading end of the sampler may help retain the sample until it is retrieved to the surface. Core catchers may only be available in specific materials and should be evaluated for suitability. However, given the limited sample contact that core-catchers have with the sample material, most standard core-catchers available for a tool system will be acceptable.

- *Decontamination* – The cutting shoe and piston rod point are to be decontaminated between each sample, using the procedures specified for the collection of trace organic and inorganic compounds found in Field Equipment and Decontamination – SESDPROC-205, most recent version. Within a borehole, the sample barrel, rods, and drive head may be subjected to an abbreviated cleaning to remove obvious and loose material, but must be cleaned between boreholes using the procedures specified for downhole drilling equipment in Field Equipment and Decontamination – SESDPROC-205, most recent version.

- *Decommissioning* – Boreholes must be decommissioned after the completion of sampling. Boreholes less than 10 feet deep that remain open and do not approach the water table may be decommissioned by pouring 30% solids bentonite grout from the surface or pouring bentonite pellets from the surface, hydrating the pellets in lifts. Boreholes deeper than 10 feet, or any borehole that intercepts groundwater, must be decommissioned by pressure grouting with 30% solids bentonite grout, either through a re-entry tool string or through tremie pipe introduced to within several feet of the borehole bottom.

- *VOC and PFAS Sample Collection* – Observe precautions for volatile organic compounds and Per- and Polyfluoroalkyl Substances sample collection found in Section 3 of this procedure.

6 Split Spoon/Drill Rig Methods

6.1 General

Split spoon sampling methods are used primarily to collect shallow and deep subsurface soil samples. All split spoon samplers, regardless of size, are basically split cylindrical barrels that are threaded on each end. The leading end is held together with a beveled threaded collar that functions as a cutting shoe. The other end is held together with a threaded collar that serves as the sub used to attach the spoon to the string of drill rod. Two basic methods are available for use, including the smaller diameter standard split spoon, driven with the drill rig safety hammer, and the larger diameter continuous split spoon,

advanced inside and slightly ahead of the lead auger during hollow stem auger drilling. The following sections describe each of the specific sampling methods, along with details specific to each method.

If gravel, concrete, etc. is present at or near the surface, it should be removed before the sample is collected. The depth measurement for the sample begins at the top of the soil horizon, immediately following any removed materials. Turf grass is not typically removed prior to sampling with these devices.

6.2 Standard Split Spoon

A drill rig is used to advance a borehole to the target depth. The drill string is then removed and a standard split spoon is attached to a string of drill rod. Split spoons used for soil sampling must be constructed of stainless steel and are typically 2.0-inches OD (1.5-inches ID) and 18-inches to 24-inches in length. Other diameters and lengths are common and may be used if constructed of the proper material. After the spoon is attached to the string of drill rod, it is lowered into the borehole. The safety hammer is then used to drive the split spoon into the soil at the bottom of the borehole. After the split spoon has been driven into the soil, filling the spoon, it is retrieved to the surface, where it is removed from the drill rod string and opened for sample acquisition.

6.3 Continuous Split Spoon

The continuous split spoon is a large diameter split spoon that is advanced into the soil column inside a hollow stem auger. Continuous split spoons are typically 3 to 5 inches in diameter and either 5 feet or 10 feet in length, although the 5-foot long samplers are most common. After the auger string has been advanced into the soil column a distance equal to the length of the sampler being used it is returned to the surface. The sampler is removed from inside the hollow stem auger and the threaded collars are removed. The split spoon is then opened for sampling.

6.4 Special Considerations When Using Split Spoon Sampling Methods

- Always discard the top several inches of material in the spoon before removing any portion for sampling. This material normally consists of borehole wall material that has sloughed off of the borehole wall after removal of the drill string prior to and during inserting the split spoon.
- Observe precautions for volatile organic compounds and Per- and Polyfluoroalkyl Substances sample collection found in Section 3.

7 Shelby Tube/Thin-Walled Sampling Methods

7.1 General

Shelby tubes, also referred to generically as thin-walled push tubes or Acker thin-walled samplers, are used to collect subsurface soil samples in cohesive soils and clays during drilling activities. In addition to samples for chemical analyses, Shelby tubes are also used to collect relatively undisturbed soil samples for geotechnical analyses, such as hydraulic conductivity and permeability, to support hydrogeologic characterizations at hazardous waste and other sites.

If gravel, concrete, etc. is present at or near the surface, it should be removed before the sample is collected. The depth measurement for the sample begins at the top of the soil horizon, immediately following any removed materials. Turf grass is not typically removed prior to sampling with this device.

7.2 Shelby Tube Sampling Method

A typical Shelby tube is 30 inches in length and has a 3.0-inch OD (2.875-inch ID) and may be constructed of steel, stainless steel, galvanized steel, or brass. They also typically are attached to push heads that are constructed with a ball-check to aid in holding the contained sample during retrieval. If used for collecting samples for chemical analyses, it must be constructed of stainless steel. If used for collecting samples for standard geotechnical parameters, any material is acceptable.

To collect a sample, the tube is attached to a string of drill rod and is lowered into the borehole, where the sampler is then pressed into the undisturbed material by hydraulic force. After retrieval to the surface, the tube containing the sample is then removed from the sampler head. If samples for chemical analyses are needed, the soil contained inside the tube is then removed for sample acquisition. If the sample is collected for geotechnical parameters, the tube is typically capped, maintaining the sample in its relatively undisturbed state, and shipped to the appropriate geotechnical laboratory.

7.3 Special Considerations When Using Split Spoon Sampling Methods

Observe precautions for volatile organic compounds and Per- and Polyfluoroalkyl Substances sample collection found in Section 3.

8 Backhoe Sampling Method

8.1 General

Backhoes may be used in the collection of surface and shallow subsurface soil samples. The trenches created by excavation with a backhoe offer the capability of collecting samples from very specific intervals and allow visual correlation with vertically and horizontally adjacent material. If possible, the sample should be collected without entering the trench. Samples may be obtained from the trench wall or they may be obtained directly from the bucket at the surface. The following sections describe various techniques for safely collecting representative soil samples with the aid of a backhoe.

The depth measurement for the sample begins at the top of the soil horizon.

8.2 Scoop-and-Bracket Method

If a sample interval is targeted from the surface, it can be sampled using a stainless steel scoop and bracket. First a scoop and bracket are affixed to a length of conduit and is lowered into the backhoe pit. The first step is to take the scoop and scrape away the soil comprising the surface of the excavated wall. This material likely represents soil that has been smeared by the backhoe bucket from adjacent material. After the smeared material has been scraped off, the original stainless steel scoop is removed and a clean stainless steel scoop is placed on the bracket. The clean scoop can then be used to remove sufficient volume of soil from the excavation wall to make up the required sample volume.

8.3 Direct-from-Bucket Method

It is also possible to collect soil samples directly from the backhoe bucket at the surface. Some precision with respect to actual depth or location may be lost with this method but if the soil to be sampled is uniquely distinguishable from the adjacent or nearby soils, it may be possible to characterize the material as to location and depth. In order to ensure representativeness, it is also advisable to dress the surface to be sampled by scraping off any smeared material that may cross-contaminate the sample.

8.4 Special Considerations When Sampling with a Backhoe

- Do not physically enter backhoe excavations to collect a sample. Use either procedure 8.2, Scoop-and-Bracket Method, or procedure 8.3, Direct-from-Bucket Method to obtain soil for sampling.

- Smearing is an important issue when sampling with a backhoe. Measures must be taken, such as dressing the surfaces to be sampled (see Section 2.3), to mitigate problems with smearing.
- Paint, grease and rust must be removed and the bucket decontaminated prior to sample collection.
- Observe precautions for volatile organic compound and PFAS sample collection found in Section 3.

9 Incremental Sampling Method

9.1 General

ISM is a structured composite sampling and processing protocol that reduces data variability and provides an unbiased estimate of mean contaminant concentrations in the area targeted for sampling. ISM provides representative samples of specific soil volumes defined as decision units (DUs) by collecting numerous increments of soil (typically 30–100) that are combined, processed, and subsampled according to specific protocols. Triplicate samples are collected to measure and evaluate the reproducibility of the sample data.

Like all sampling approaches, ISM should be applied within a systematic planning framework. The size, orientation, and location of a DU is site-specific and represents the smallest volume of soil about which a decision is to be made (USEPA 1999, Ramsey and Hewitt 2005, HDOH 2008a, ADEC 2009). DUs are based on project-specific needs and site-specific DQOs. More detailed information on conducting sampling using ISM can be found in the Interstate Technology and Regulatory Council's *Incremental Sampling Methodology* (ISM-1).

9.2 Field Implementation, Sample Collection, and Processing

9.2.1 Introduction

The goal of most sampling efforts is to collect a sample that is representative of the target area (or DU). ISM is designed to collect representative and reproducible soil data. To help ensure data quality, all field sampling and field processing activities should be performed and supervised by personnel trained in ISM implementation

9.2.2 Sampling Tools

The selection of the appropriate sampling tool for collecting an ISM sample depends on the cohesiveness and composition of the soil substrate. The sampling tool should obtain cylindrical or core-shaped increments of a constant depth from the presented surface so that each increment collected is the same approximate volume and mass.

See Figures 1 and 2 for examples of sampling tools for nonvolatile ISM sample collection. Various other hand augers, core sampling tools, step probes, etc., are available from environmental or agricultural suppliers and are applicable to ISM if the specifications meet project DQOs. It is highly recommended that the proposed sampling tool is tested at the sample location prior to full mobilization to ensure that the sampling tool is appropriate for site conditions. If a pilot sampling effort is not possible, a variety of tools to address different soil types or site conditions should be taken into the field.

Note: Volatile ISM sample collection should follow Method 5035 recommendations. See Section 3 of this SOP.

9.2.3 Field Collection

Incremental soil samples are prepared by collecting multiple increments of soil (typically 30 or more) from a specified DU and physically combining these increments into a single sample, referred to as the "incremental sample." Samples are collected in triplicate from different locations within the same DU. Sample increments locations can be selected by a random number generator or evenly spaced across the DU to ensure that the incremental sample is representative of the DU. Survey flags or other markers can be helpful in identifying increment collection locations prior to beginning sample location.

The number of increments to be collected from each DU of a site investigation should be evaluated during systematic planning as part of the DQO process and documented in the sampling and analysis plan (SAP).See section 5.3.2 of ISM-1 for subsurface ISM sample collection.

9.2.4 Field Handling of ISM Samples

ISM samples collect a larger volume of soil than discrete samples and will require a larger collection container than may be specified by the laboratory or that is typically used. For example, a gallon-sized sealable plastic bag or a liter glass jar may be used depending upon the suspect analytes. When building the incremental sample by collecting increments, it may be more practical to collect the sample in an aluminum pan, plastic bucket, stainless-steel bowl, or other easily transported

container until the entire sample has been collected. The final sample can then be processed in the field or transferred to a container for shipment to a laboratory for sample processing and analysis.

Processing of ISM samples is ideally performed in a laboratory. However, subsampling, disaggregation, drying, and sieving are some processing steps that may be required to be performed in the field. Field processing may be necessary if field analysis will be performed on the samples of if the laboratory is unable to perform the sample processing steps required. Any field processing steps should be rigorously performed to ensure that the sample representativeness is maintained through analysis. To ensure proper sample size reduction and representative subsampling, they should be performed using a 2-D Japanese slab cake and specialized subsampling tool, a riffle splitter, rotary cone sample splitter, or similar. Sample volume reduction of ISM samples should not be conducted with a stainless-steel spoon and a stainless-steel bowl. All sample processing equipment should be appropriately decontaminated between sample stations.

9.3 Special Considerations When Using Incremental Sampling Methods

- Selection of an appropriately sized and positioned Decision Unit is important to ensuring quality data and useful results
- Steps should be taken throughout the sampling effort to ensure that the representativeness of the sample is maintained from collection through analysis
- Advance coordination with the laboratory is necessary to ensure that the laboratory has the capability and capacity to conduct any sample processing that may be necessary. If the lab cannot complete the required processing steps, the sampling team may need to perform the sample processing steps in the field.

Figure 1

Figure 2

10 References

International Air Transport Authority (IATA). Dangerous Goods Regulations, Most Recent Version

LSASD Operating Procedure for Field Equipment Cleaning and Decontamination, SESDPROC-205, Most Recent Version

LSASD Operating Procedure for Field Equipment Cleaning and Decontamination at the FEC, SESDPROC-206, Most Recent Version

LSASD Operating Procedure for Field Sampling Quality Control, SESDPROC-011, Most Recent Version

LSASD Operating Procedure for Field X-Ray Fluorescence (XRF) Measurement, SESDPROC-107, Most Recent Version

LSASD Operating Procedure for Logbooks, SESDPROC-010, Most Recent Version

LSASD Operating Procedure for Sample and Evidence Management, SESDPROC-005, Most Recent Version

Title 49 Code of Federal Regulations, Pts. 171 to 179, Most Recent Version

US EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, Most Recent Version (Method 5035)

US EPA Region 4 Safety and Occupational Health Manual. Region 4 LSASD, Athens, GA, Most Recent Version

ITRC (Interstate Technology & Regulatory Council). 2012. Incremental Sampling Methodology. ISM-1. Washington, D.C.: Interstate Technology & Regulatory Council, Incremental Sampling Methodology Team. www.itrcweb.org.

ITRC (Interstate Technology and Regulatory Council) April 2020 Fact Sheets: *Site Characterization Considerations, Sampling Precautions,* and *Laboratory Analytical Methods for Per- and Polyfluoroalkyl Substances (PFAS)*, and *Environmental Fate and Transport for Per- and Polyfluoroalkyl Substances*

11 Revision History

The top row of this table shows the most recent changes to this controlled document. For previous revision history information, archived versions of this document are maintained by the LSASD Quality Assurance Coordinator (QAC) on the LSASD local area network (LAN).

History	Effective Date
Replaced Chief with Supervisor; General formatting changes.	April 22, 2023
LSASDPROC-300-R4, *Soil Sampling,* replaces SESDPROC-300-R3Added Section 3.3. Soil Samples Collected for PFAS Analysis. Added Section 9, Incremental Sampling Method including Figures 1 and 2. **General:** Throughout the document, mention of SESD was replaced with LSASD as appropriate. Mention of Document Control Coordinator changed to Quality Assurance Coordinator. **Cover Page:** Changed Kevin Simmons, Environmental Scientist to Life Scientist. Changed Acting Supervisor, John Deatrick of the Enforcement and Investigations Branch to Supervisor, Applied Science Branch. Changed Acting Supervisor, Laura Ackerman, Ecological Assessment Branch to Supervisor, Hunter Johnson, Superfund Section. Changed Bobby Lewis, Field Quality Manager, Science and Ecosystem Support Division to Stacie Masters, Quality Assurance Coordinator, Laboratory Services and Applied Science Division.	June 11, 2020
SESDPROC-300-R3, *Soil Sampling*, replaces SESDPROC-300-R2. **General:** Corrected any typographical, grammatical and/or editorial errors. **Title Page:** Updated the author from Fred Sloan to Kevin Simmons. Updated the Enforcement and Investigations Branch Supervisor from Archie Lee to Acting Supervisor, John Deatrick. Section 1.5.1: Added “The reader should” to last sentence of the paragraph. Section 1.5.2: Omitted “When sampling in landscaped areas,” from first sentence of eighth bullet. Section 3.2.4: In the first paragraph, first sentence, added “(rapidly form bubbles).” Omitted “(rapidly form bubbles)” from second paragraph, second sentence. Any reference to “Percent Moisture and Preservation Compatibility (MOICA)” or “Percent Moisture” was changed to “Percent Solids”, both in the text and in Table 1.	August 21, 2014

SESDPROC-300-R2, *Soil Sampling*, replaces SESDPROC-300-R1.	December 20, 2011

SESDPROC-300-R1, *Soil Sampling*, replaces SESDPROC-300-R0.	November 1, 2007
SESDPROC-300-R0, Soil Sampling, Original Issue	February 05, 2007

Region 4 U.S. Environmental Protection Agency Laboratory Services & Applied Science Division Athens, Georgia	
Operating Procedure	
Title: Soil Gas Sampling	ID: LSASDPROC-307-R5
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Purpose

This document describes general and specific procedures, methods and considerations to be used and observed when collecting soil gas samples for field screening or laboratory analysis.

Scope/Application

The procedures contained in this document are to be used by field personnel when collecting and handling soil gas samples in the field. On the occasion that LSASD field personnel determine that any of the procedures described in this section are inappropriate, inadequate or impractical and that another procedure must be used to obtain a soil gas sample, the variant procedure will be documented in the field log book, along with a description of the circumstances requiring its use. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

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1 General Information

1.1 Documentation/Verification

This procedure was prepared by persons deemed technically competent by LSASD management, based on their knowledge, skills and abilities and has been tested in practice and reviewed in print by a subject matter expert. The official copy of this procedure resides on the LSASD Local Area Network (LAN). The Document Control Coordinator (DCC) is responsible for ensuring the most recent version of the procedure is placed on LAN and for maintaining records of review conducted prior to its issuance.

1.2 General Precautions

1.2.1 Safety

Proper safety precautions must be observed when collecting soil gas samples. Refer to the LSASD Safety, Health and Environmental Management Program (SHEMP) Procedures and Policy Manual and any pertinent site-specific Health and Safety Plans (HASP) for guidelines on safety precautions. These guidelines should be used to complement the judgment of an experienced professional. Address chemicals that pose specific toxicity or safety concerns and follow any other relevant requirements, as appropriate.

1.2.2 Procedural Precautions

The following precautions should be considered when collecting soil gas samples.

1.2.2.1 Special care must be taken not to contaminate samples. This includes storing samples in a secure location to preclude conditions which could alter the properties of the sample.

1.2.2.2 Samples shall be custody sealed during long-term storage or shipment.

1.2.2.3 Custody seals should not be placed on the canisters due to VOCs that may out-gas from the adhesives. Custody seals should be placed on the outside of canister shipping containers.

1.2.2.4 Sample identification tags shall be attached to the canister using wire, cable tie, or string. Adhesive labels should be affixed to the tag and not be placed directly on the canister.

1.2.2.5 Collected samples are in the custody of the sampler or sample custodian until the samples are relinquished to another party.

1.2.2.6 If samples are transported by the sampler, they will remain under his/her custody or be secured until they are relinquished.

1.2.2.7 Shipped samples shall conform to all U.S. Department of

Transportation (DOT) and/or International Air Transportation Association (IATA) hazardous materials shipping requirements.

1.2.2.8 Documentation of field sampling is done in a bound logbook.

1.2.2.9 Chain-of-custody (COC) documents shall be filled out and remain with the samples until custody is relinquished.

1.2.2.10 Canister Sample Identification Tags and COC and Field Logbook should list the unique canister serial number and the starting time that the sample was collected.

1.2.2.11 All shipping documents, such as air bills, bills of lading etc., shall be retained by the project leader and stored in a secure place.

2.0 Special Sampling Considerations

2.1 Special Considerations for Sampling

The tubing used as part of either of the described sampling systems should be Teflon® or stainless steel. As most current soil gas sampling will be conducted to investigate the presence or extent of organic compounds (not including PFAS compounds), Teflon® tubing is required to ensure the integrity of the sample.

Extreme care should be taken to protect all VOC sampling equipment whose surfaces will come in direct contact with the collection of the sample. For instance, a Geoprobe® or other drilling rig should not be used to carry or transport sampling equipment because of diesel and other VOC emissions. In addition, other field support vehicles should not be operated in the proximity of the sampling site shortly before or during sampling.

2.2 Special Precautions for Soil Gas Sampling

2.2.1 A clean pair of new, non-powdered, disposable gloves (gloves) will be worn each time a different location is sampled, and the gloves should be donned immediately prior to sampling. The gloves should be changed any time during sample collection when their cleanliness is compromised.

2.2.2 If possible, one member of the field sampling team should take all the notes and photographs fill out tags, etc., while the other member(s) collect the samples.

2.2.3 Using O-rings on all PRT tooling, adapters, and probe rods will ensure that the entire sampling train is air-tight. This will prevent soil ingress during installation and to maintain sample integrity by ensuring that no ambient air is introduced into the sample during collection.

2.3 Sample Handling Requirements

2.3.1 Soil gas samples will typically be collected by directly filling an evacuated, 6-liter passivated stainless-steel canister after sample delivery line purging.

2.3.2 The canister will be labeled and identified according to LSASD Operating Procedure for Packaging, Marking, Labeling and Shipping of Environmental and Waste Samples (LSASDPROC-209).

2.4 Quality Control

Quality control sampling for soil gas sampling investigations will consist of collection of the following types of samples, as appropriate.

2.4.1 Control Sample: If applicable to the study or investigation, a control (or background) sample should be collected from a location not affected by the possible contaminants of concern and submitted with the other samples.

2.4.2 Trip Blank: A canister trip blank, prepared prior to the investigation by LSB personnel, should follow alongside the traditional samples and be submitted with the sample set during the investigation.

2.4.3 Equipment rinsate blank: Equipment rinsate blanks should be collected if equipment, such as PRT adapters, probe rods, or other sampling equipment is field cleaned and re-used in the sample train to document that low-level contaminants were not introduced into the sample by the decontaminated equipment.

2.4.4 Field Split: Field split samples, at a minimum frequency of one for every ten samples should be collected. Split samples are collected from one single sample port or installation by attaching the center leg of a Swagelok® "Tee" to the end of the sample tubing. The remaining legs of the "Tee" are connected to two sample containers (usually two flow controllers with roughly the same calibrated flow) which are opened and filled simultaneously.

2.5 Records

Information generated or obtained by LSASD personnel will be organized and accounted for in accordance with LSASD records management procedures found in the LSASD Operating Procedure for Control of Records (LSASDPROC-002). Field notes, recorded in a bound field logbook, will be generated, as well as chain-of-custody documentation according to the procedures found in LSASD Operating Procedure Logbooks (LSASDPROC-010) and LSASD Operating Procedure for Sample and Evidence Management (LSASDPROC-005).

3 Geoprobe® PRT System Installation

3.1 General

Single event or grab sampling may be conducted using the Post-Run Tubing System (PRT). Using this system, soil gas samples can be collected quickly and with a high degree of assurance that the samples are representative of the targeted depth.

The downhole components of the PRT system include:

3.1.1 Sample delivery tubing
3.1.2 Probe rods
3.1.3 PRT Adapter
3.1.4 Expendable point holder
3.1.5 Expendable point

O-ring seals are used on the PRT Adapter and the expendable point holder. O-rings can also be used at all rod joints, preventing soil ingress which can prevent air-tight docking of the PRT adapter.

3.2 PRT System Installation Procedures

The following procedures are used to collect soil gas samples using the Geoprobe® PRT system. The PRT system is available for 1.0-inch, 1.25-inch and 1.5-inch diameter probe rods. In LSASD practice, 1.25-inch rods are used. All parts or accessories used in the PRT system must be selected with the appropriate diameter probe rod in mind to ensure compatibility of all components.

3.2.1 Ensure that the sampling location has been cleared using the procedures detailed in the Site Safety Plan. The plan should stipulate that: prior to site arrival the proposed soil gas sampling locations will be cleared using the One Call utility locating service. Upon arrival at the site each individual soil gas sampling location will be cleared using a pipe scanner and metal locater.

3.2.2 Cut a 4-foot by 4-foot section of disposable plastic sheeting and place on the ground next to the sampling location.

3.2.3 Hand auger a 4-foot deep hole using a clean stainless-steel hand auger emptying the soil cuttings on the plastic sheeting.

3.2.4 Don a clean set of gloves. To ensure there is no thread damage to the internal threads of the expendable point holder or the PRT adapter, hand screw the PRT adapter counter-clockwise into the expendable point holder using only your fingertips. The two components should screw together smoothly. If they do not replace them and repeat the test. Note: PRT fittings are left-hand threaded; turn counterclockwise to tighten.

3.2.5 Place O-ring on PRT expendable point holder and attach to initial section of probe rod.

3.2.6 Place O-ring on expendable point and press into expendable point holder.

3.2.7 Add drive cap to probe rod and push PRT system through the augured hole into ground to the bottom of the sampling interval. Take special care to assure that the rods are in line with the push axis of the probe machine.

3.2.8 It is important to leave at least a 2-foot interval of undisturbed native soil between the augured hole and the top of the sampling interval. The native soil layer will be used to support the bentonite/soil layers described in Step 11.

3.2.9 At the bottom of the desired sampling depth, attach a point popper to an extension rod and insert extension rod string into rods so that the point popper rests on the expendable point. Using the rod puller and taking special care to maintain probe alignment with the rods, begin pulling the rods while maintaining pressure on the extension rods. The extension rods should drop when the pull is started, indicating that the expendable point has been ejected. The rods can then be pulled to expose the desired open sampling interval.

3.2.10 Using a properly decontaminated water level sounder, check, if conditions warrant, to make sure groundwater is not present at the bottom of the rod string. If groundwater is present, the sampling location should be properly abandoned, and an alternate sampling location determined. Soil gas samples should never be collected if there is a high possibility that groundwater may enter the sampling equipment. The groundwater will ruin the sampling and analysis equipment and invalidate the soil gas sample.

3.2.11 The drive rods that are contained in the augured hole will be "sealed" by first adding 12 inches of bentonite clay crumbles (not pellets) and hydrating with de-ionized water. Second, the augured hole will be filled with alternating layers of soil cuttings and hydrated bentonite clay crumbles while being hand packed with a clean stainless-steel auger handle or similar device.

3.2.12 Secure the PRT adapter to a length of Teflon® tubing sufficient to reach from the sampling interval to the surface, with several feet of excess tubing extending beyond the top of the probe rod to facilitate sampling. Straighten the first two feet of tubing above the adapter by pulling it between your thumb and forefinger. This will ease the docking of the tubing.

3.2.13 Run the tubing and adapter into the probe rod and, using steady downward pressure turn the tubing counter-clockwise to dock the adapter into the top of the expendable point holder. Tug gently on the tubing to ensure that the adapter engaged with the expendable point holder. Continue rotating the tubing until the adapter is firmly seated. Failure to dock could indicate that soil intruded during the push or that the expendable point was lost during the push.

3.2.14 At this point, the PRT system has been installed and is ready to be helium leak tested (Section 6) before sampling. If the sample cannot be collected immediately, the end of the tubing should be capped with a stainless-steel Swagelok® cap or crimped by bending over and securing with a cable tie. Sampling is conducted using one of the

procedures described in Section 7.

3.3 Decommissioning PRT Sample Locations

Because it is impractical to pump grout through the PRT adapter on the lead probe rod, the entire string of rod must be removed before decommissioning can commence. The following methods are available, depending on conditions related to sample depth and post-removal probe hole wall stability:

3.3.1 Direct Placement of Pellets or Grout - If the sampling depth was relatively shallow, on the order of ten feet or less, or the bore hole did not penetrate a water table, grouting/sealing the open hole can be accomplished by directly placing bentonite pellets, hydrated in lifts or pouring a 30% solids bentonite grout mixture from the surface. The acceptable maximum depth for this option is somewhat dependent on the stability of the hole and these methods may be used at slightly greater depths if the holes do not collapse after removal of the rod.

3.3.2 Re-entry Grouting - For locations where sampling was conducted at somewhat greater depths, where groundwater was penetrated, or where the surficial formations tend to collapse, the only viable option for grout placement may be to re-probe the entire depth with a new expendable point. After reaching the original sample depth, the expendable point is ejected and the hole is grouted by directly injecting grout through the inside of the rod string, as it is removed. Use of this option is dependent on the relative degree of hole stability.

4 Geoprobe® Permanent Soil Gas Implant Installation

4.1 General

Long-term soil gas sampling may be conducted using permanent soil gas sampling implants installed with the Geoprobe®. Stainless steel implants may be installed at any depth achievable by the Geoprobe® and may be installed using various diameters of probe rod. In LSASD practice, 2.25-inch probe rods are used. The implants may be installed in custom lengths, configured using a wide assortment of available implant lengths and connections. The implant screens are double-woven stainless steel mesh with 0.0057-inch (0.15 mm) pore openings.

Permanent soil gas sampling implants may also be installed using 2.125-inch diameter rods utilizing an advancing thin-walled corer to facilitate placement of the implant (see Geoprobe Systems, Direct Push Installation of Devices for Active Soil Gas Sampling & Monitoring, Technical Bulletin No. MK3098 for details of this application).

4.2 Installation of Permanent Soil Gas Sampling Implants (Typical)

The following procedures are used by LSASD to install a permanent soil gas sampling implant using the Geoprobe®. These are the general procedures which are used with 2.25-inch diameter probe rod.

4.2.1 Ensure that the sampling location has been cleared using the procedures detailed in the Site Safety Plan. The plan should stipulate that: prior to site arrival

the proposed soil gas sampling locations will be cleared using the One Call utility locating service. Upon arrival at the site each individual soil gas sampling location will be cleared using a pipe scanner and metal locater.

4.2.2 Cut a 4-foot by 4-foot section of disposable plastic sheeting and place on the ground next to the sampling location.

4.2.3 Hand auger a 4-foot deep hole using a clean stainless-steel hand auger emptying the soil cuttings on the plastic sheeting.

4.2.4 Don a clean set of gloves. To ensure there is no thread damage to the internal threads of the expendable implant anchor or the implant, hand screw the implant counter-clockwise into the expendable implant anchor using only your fingertips. The two components should screw together smoothly. If they do not replace them and repeat the test. Note: implant fittings are left-hand threaded; turn counterclockwise to tighten.

4.2.5 Place o-ring on PRT expendable implant anchor and attach to initial section of probe rod.

4.2.6 Add drive cap to probe rod and push PRT system through the augured hole into ground to the bottom of the sampling interval. Take special care to assure that the rods are in line with the push axis of the probe machine. Do not retract rod or removed expendable point yet.

4.2.7 Using a properly decontaminated water level sounder, check, if conditions warrant, to make sure groundwater is not present at the bottom of the rod string. If groundwater is present, the sampling location should be properly abandoned, and an alternate sampling location determined. Soil gas samples should never be collected if there is a high possibility that groundwater may enter the sampling equipment. The groundwater will ruin the sampling and analysis equipment and invalidate the soil gas sample.

4.2.8 Install an o-ring on the docking end of the implant. Next, secure the implant to a length of 1/4“Teflon® tubing sufficient to reach from the sampling interval to the surface, with several feet of excess tubing extending beyond the top of the probe rod to facilitate sampling. Use electrical tape or a cable tie to temporarily cap the end of the tubing. Straighten the first two feet of tubing above the adapter by pulling it between your thumb and forefinger. This will ease the docking of the tubing.

4.2.9 Run the tubing and implant into the probe rod and, using steady downward pressure turn the tubing counter-clockwise to dock the adapter into the top of the expendable point holder. Tug gently on the tubing to ensure that the adapter engaged with the expendable point holder. Continue rotating tubing until the adapter is firmly seated. If docking is difficult, try running the implant and tubing thru an appropriate length of 1/2” PVC tremie pipe to better align the implant with the expendable point to facilitate docking. Remove the tremie pipe once docking is achieved. Failure to dock could indicate that soil intruded during the push or that the expendable point was lost

during the push. If the implant does not dock, it is possible to salvage the installation by removing the implant and sealing the small hole on the bottom of the implant, if present, with foil or with a small sheet metal screw, then returning the implant to the hole.

4.2.10 After the implant has been docked, use a pull cap and pull the probe rod approximately one foot while applying slight downward pressure on the tubing connected to the implant. This should start to expose the implant in the sampling interval. Take care while moving the rod and observe the tubing to make sure that the anchor and implant remained in place and is not being pulled with the rod.

4.2.11 If the implant remained in place, slowly pour a measured amount of 60-100 mesh glass beads down the inside of the probe rod. The glass beads are used as a filter pack around the implant. The implant should be covered with beads to approximately six inches above the top of the implant. The volume of beads should be calculated based on the length of implant used, alternatively, a water level sounder can be used to measure the top of the bead layer. While pouring the beads, it is advisable to gently shake the tubing to prevent the beads from bridging inside the probe rod.

4.2.12 After placing the beads, the implant is sealed using a flowable mixture of the glass beads and fine-powdered bentonite. To accomplish this, at least 6 inches of rod is pulled, and the mixture is slowly poured into the rod above the bead-packed implant. As with the bead placement, similar care should be taken to avoid bridging of this mixture.

4.2.13 After placement of the seal, the rod string is removed, and the resultant annular space is grouted using the following procedures which are dependent on the depth and stability of the open hole.

4.2.14 If the resultant open hole is shallow (ten feet or less) and the hole walls are stable, the hole may either be filled with bentonite pellets, hydrated in lifts or grouted using a 30% solids bentonite grout, poured from the surface.

4.2.15 If the hole is deeper than ten to fifteen feet, better results may be obtained by using a tremie pipe to place a pumpable grout. One half inch PVC tremie pipe or Geoprobe nylon grout tubing is threaded down the annulus to the top of the bead/bentonite seal. The tremie is pulled off the bottom to prevent jetting out the seal and grout is pumped until the annulus is filled. Procedures are similar to those for well annular seals described in LSASDGUID-101, Section 2.3.5.

4.2.16 For permanent or long-term installations, the tubing should be protected by an appropriate surface completion, such as a flush vault or well protective casing, similar to well protective casings, as described in LSASDGUID-101. After the installation of the vault, cut off the end of the tubing with the previously installed electrical tape or cable tie and cap with a stainless-steel capping fitting.

4.2.17 After installation is complete the soil gas implant is sampled using one of the methods described in Section 7.

4.2.18 Helium leak testing is not practical nor required for permanent soil gas installations.

5 Sub-Slab Soil Gas Sampling Port Installations

5.1 General

For soil gas samples that need to be collected under a current structure, sub-slab soil gas ports should be installed. Temporary or long-term installations may be installed depending on the project needs. Stainless steel screens may be installed if loose or unconsolidated soils lie underneath the slab. Extreme care should be taken in the location of the drilled sample ports.

5.2 Installation of Temporary Sub-slab Soil Gas Sampling Ports

The following procedures are used to install a temporary sub-slab soil gas sampling port.

5.2.1 Ensure that the sampling location has been cleared using the procedures detailed in the Site Safety Plan. As most if not all of these applications will be inside, a One Call utility locating service might not help. Upon arrival at the site, each individual sub-slab sampling location should be cleared verbally and visually with a site engineer or home owner, whoever is available with the most knowledge on the structure.

5.2.2 Don a clean pair of gloves and drill in the desired location with a 1/2" masonry bit. After drilling, make sure the bit is completely through the slab either by running something rigid along the inside of the borehole to feel the slab end or by visually observing soil cuttings on or from the drill bit. Ensure there is no water in the borehole before moving on. Again, soil gas samples should never be collected if there is a high possibility that groundwater may enter the sampling equipment. The groundwater will ruin the sampling and analysis equipment and invalidate the soil gas sample. If so, choose another sample location.

5.2.3 Cut a piece of Teflon® tubing to a length of the slab thickness, plus two feet for room to reach sampling equipment. Straighten the end of the tubing and place it down the borehole to a height just above the bottom of the slab. If there is unconsolidated soil present that could potentially clog the sampling inlet, a clean stainless-steel screen can be fastened to the end of the tubing.

5.2.4 After brushing away concrete dust, a VOC-free clay or putty like media is then used to secure the tubing and create an air tight seal at the slab interface. After a leak test is conducted according to Section 6.3, the end of the sampling tube is then connected to the sampling device or crimped and secured if sampling is to happen later.

After sample collection according to a method described in Section 7, the holes are immediately abandoned by filling the borehole with cement. A slightly thin mixture of cement will ensure no bridging of the mixture as it pours and makes a more solid patch. A small diameter piece of wire is good for working cement into hole. Check the cement patch for effectiveness before leaving the site.

5.3 Installation of Permanent Sub-slab Soil Gas Sampling Ports

The following procedures are used to install a permanent sub-slab soil gas sampling port.

5.3.1 Each sample location should be cleared to the best of the sampling team's ability following step 1 in Section 5.2 above.

5.3.2 Don a clean pair of gloves and drill in the desired location with a 1" masonry bit to a depth needed to just submerge the permanent sample port body into the concrete to have a flush final product. Finish drilling the remainder of the slab thickness with a 1/2" masonry bit. After drilling, make sure the bit is completely through the slab either by running something rigid along the inside of the borehole to feel the slab end or by visually seeing soil cuttings on the drill bit. Ensure there is no water in the borehole before moving on. If so, choose another sample location.

5.3.3 The port should be made of stainless steel with an air tight connection to a length of stainless steel 1/4" tubing long enough to reach down to just above the bottom of the slab and have a cap or plug that can make an air tight seal when left between sampling events. Again, a clean stainless-steel screen can be added to the end of the sample tube if needed to prevent soil from penetrating the sample inlet.

5.3.4 Place the permanent sample port into the drilled borehole with a piece of malleable VOC-free media to seal the hole where it narrows (to keep the cement off the sample inlet). Seal the sample port in place using anchor cement and allow to set overnight.

5.3.5 After port is set, perform a leak test as described in Section 6.3. If the sample port passes the leak test, samples may then be collected by one of the methods described in Section 7. Leak tests should be completed for every sampling event, as torquing the plug can crack the anchor cement over time.

6 Helium Leak Testing of PRT Soil Gas Sampling Installations

6.1 General

Leak testing of soil gas sampling installations should be conducted if the sampling equipment has a connection that if compromised would emit ambient air into the soil gas sample. For sub-slab soil gas sample ports, it is most important to leak test temporary sample ports as the integrity of the seal made by the malleable VOC-free media used can be easily damaged.

6.2 Helium Leak Testing Procedures for PRT Soil Gas Sampling Installations

6.2.1 The sampling system will be leak checked by inserting a 1/8" diameter Teflon® tubing into the drive rod next to the 1/4-inch diameter Teflon® sampling tubing, until it bottoms out a few inches above PRT adaptor. The 1/8" diameter tubing will be connected to a 99.999% pure helium source.

6.2.2 A second length of 1/4" Teflon® tubing will be inserted into the drive rod to a point

approximately one foot below the top of the rod. The free end of this tubing will be connected to a helium meter that will monitor the helium content of the drive rod during the leak test.

6.2.3 The top of the drive rod and tubing will be sealed with Parafilm® to retain the helium for the leak test. The drive rod will be filled with helium to a concentration of greater than 90%, while a soil gas sample is collected into a Tedlar® bag through the 1/4" Teflon® sample tube for on-site sample analysis of helium content. When the Tedlar® bag is disconnected from the sample tubing the sample tubing is crimped and held with a rubber band or cable tie, to prevent ambient air from entering the sample tube. The helium concentration in the Tedlar® bag must be less than 10% of the helium concentration in the drive rod to insure integrity of the soil gas sampling well. When the leak test is complete, the Parafilm®, helium supply, and monitoring tubes will be removed, leaving the sample tube.

6.3 Helium Leak Testing Procedures for Sub-slab Soil Gas Sample Ports

6.3.1 The sampling system will be leak checked by covering the sample port with a shroud that can be filled from a 99.999% pure helium source. The shroud will allow two other ports where the leak check sample can be pulled and the helium concentration in the shroud can be testing similar to the set-up in Section 5.2 above.

6.3.2 The shroud will be filled with helium to a concentration of greater than 90%, while a soil gas sample is collected into a Tedlar® bag through the 1/4" Teflon® sample tube for on-site sample analysis of helium content. When the Tedlar® bag is disconnected from the sample tubing the sample tubing is crimped and held with a rubber band or cable tie, to prevent ambient air from entering the sample tube. The helium concentration in the Tedlar® bag must be less than 10% of the helium concentration in the shroud to insure integrity of the soil gas sampling port. When the leak test is complete, the shroud, helium supply, and monitoring tubes will be removed, leaving the sample tube connected to the port.

6.3.3 For temporary sub-slab sample ports, if the leak test fails, the malleable VOC-free media can be reinserted, added to, or shifted and tested again. After the sample port passes, take care in not moving or shifting the seal media before sample collection.

7 Sampling Soil Gas Installations

7.1 Soil gas samples may be collected from PRT and permanent soil gas implant installations using one of several methods, listed below. Canister sampling is the most common method utilized by LSASD.

7.1.1 Canister Sampling for Laboratory Analysis – After installation is complete and immediately prior to sampling, a flow-limiting device, consisting of a Nupro® 7-micron sintered stainless steel filter, a critical orifice and gauge is attached to an evacuated canister for sampling. A sampler leak check is conducted by plugging the inlet of the flow control device and opening the canister valve momentarily. After the valve

has been closed the needle on the gauge should not move (remain at full vacuum) indicating that at the sampler is leak free.

7.1.2 Once the PRT installation or the sub-slab sample port has passed the helium leak test as described in Section 5 and the sampler leak check has been completed, the Teflon® sample tube is connected to the flow-limiting device using a Swagelok® or other suitable secure connection. After connection, the rubber band (if used) is cut and the crimp in the Teflon® tubing straightened and the valve on the canister is opened, pulling soil gas from the implant into the canister. Typically, the sample is collected over a one-hour period (depending on soil conditions), at which time the canister valve is closed, and the canister tagged with pertinent sampling information. When using this type of device, it is advisable to check the canister vacuum throughout the sampling period to verify filling. The initial and final gauge pressure/vacuum reading should be recorded in the project logbook.

7.1.3 Real-time Field Analytical Methods – Real-time analytical measurements may be obtained from PRT, soil gas implant, or sub-slab port installations using appropriate instrumentation. The soil gas to be analyzed may be drawn directly into the instrument by the instrument pump or the instrument may be placed in line and the sample drawn into the instrument using a suitable pump connected to the discharge side of the instrument. Results may be qualitative, such as those obtained with flame ionization or photoionization detectors, or they may be quantitative, for instruments which can be calibrated to specific compounds.

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9 Revision History

The top row of this table shows the most recent changes to this controlled document. For previous revision history information, archived versions of this document are maintained by the LSASD Quality Assurance Coordinator on the LSASD local area network (LAN).

History	Effective Date
Replaced Chief with Supervisor; General formatting revisions.	April 22, 2023
LSASDPROC-307-R4, *Soil Gas Sampling*, replaces LSASDPROC-307-R3 **General:** Corrected any typographical, grammatical, and/or editorial errors. Soil gas sampling procedures were updated, and helium leak testing and sub-slab sampling procedures were added to the document. SESD updated to LSASD. **Cover Page:** Changed the Author from Tim Slagle to Landon Pruitt. Changed Enforcement and Investigation Branch to Applied Sciences Branch. Changed Science and Ecosystem Support Division to Laboratory Services and Applied Science Division. Quality manager Bobby Lewis was changed to Stacy Masters. **Revision History:** Changes were made to reflect the current practice of only including the most recent changes in the revision history.	February 7, 2020
LSASDPROC-307-R3, *Soil Gas Sampling*, replaces LSASDPROC-307-R2	May 14, 2014
LSASDPROC-307-R2, *Soil Gas Sampling*, replaces LSASDPROC-307-R1	September 8, 2010
LSASDPROC-307-R1, *Soil Gas Sampling*, replaces LSASDPROC-307-R0	November 1, 2007
LSASDPROC-307-R0, Soil Gas Sampling, Original Issue	February 05, 2007

Region 4 U.S. Environmental Protection Agency Laboratory Services & Applied Science Division Athens, Georgia	
Operating Procedure	
Title: Field Sampling Quality Control	ID: LSASDPROC-011-R7
Issuing Authority: Field Services Branch Supervisor	
Effective Date: April 22, 2023	Review Due Date: November 22, 2025
Method Reference: N/A	SOP Author: Paula Whiting

Purpose

This document describes procedures established to ensure the quality of Laboratory Services and Applied Science Division (LSASD) field sampling activities, including Field Equipment Center (FEC) operations involving preparation of sampling and support equipment for field operations. Collectively, these procedures ensure that field sampling teams are provided with equipment that is suitable for sampling use, and that field sampling is conducted using proper procedures, resulting in the collection of representative samples. Strict adherence to these procedures forms the basis for an acceptable field sampling quality assurance program. While this SOP may be informative for other businesses, it is not intended for and may not be directly applicable to operations in other organizations. Mention of trade names or commercial products in this operating procedure does not constitute endorsement or recommendation for use.

Scope/Application

The procedures contained in this document are to be used by field investigators when collecting and handling samples in the field and when preparing sampling equipment for LSASD field investigations. On the occasion that LSASD field investigators determine that any of the procedures described in this SOP are either inappropriate, inadequate, or impractical and that another procedure must be used, the variant procedure will be documented in the field logbook, along with a description of the circumstances requiring its use.

Note: LSASD is currently migrating to a paperless organization. As a result, this SOP will allow for the use of electronic logbooks, checklists, signatures, SOPs, and forms as they are developed, which will also be housed on the Local Area Network (LAN) and traceable to each project.

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PROCEDURAL SECTION

1. General Information

1.1. Documentation/Verification

1.1.1. This procedure was prepared by persons deemed technically competent by LSASD management, based on their knowledge, skills and abilities and have been tested in practice and reviewed in print by a subject matter expert. The official copy of this procedure resides on the LSASD local area network (LAN). The Document Control Coordinator (DCC) is responsible for ensuring the most recent version of the procedure is placed on the LAN and for maintaining records of review conducted prior to its issuance.

1.2. Definitions

1.2.1. **Sample:** A part of a larger lot, usually a volume, area, period, or population.

1.2.2. **Variability:** The range or “distribution” of results around the mean value obtained from samples within a population. There are three types of variability which should be measured or otherwise accounted for in field sampling, depending on the data quality objectives (DQO) for the study:

1.2.2.1. **Temporal Variability:** Temporal variability is the range of results due to changes in contaminant concentrations over time. An example would be the range of concentrations obtained for a given parameter in wastewater samples collected at different times from an outfall where contaminant concentrations vary over time.

1.2.2.2. **Spatial Variability:** Spatial variability is the range of results due to changes in contaminant concentrations as a function of their location. An example would be the range of concentrations obtained for a given parameter in surface soil from a site where discreet "hot spots" are present due to localized releases of contaminants on otherwise uncontaminated soil.

1.2.2.3. **Sample Handling Variability:** Sample handling variability is the range of results due to the sample collection and handling techniques used by the sampler. This variability manifests itself as a positive bias due to errors such as unclean sampling equipment, cross contamination, etc., or a negative bias due to improper containers or sample preservation.

1.2.3. **Grab Sample:** An individual sample collected from a single location at a specific time or period. Grab samples are generally authoritative in nature.

1.2.4. **Composite Sample:** A sample collected over a temporal or spatial range that typically consists of a series of discrete, equal samples (or “aliquots”) which are combined or "composited." A composite sample represents the average characteristics of the population under consideration. Four types of composite samples are listed below:

1.2.4.1. **Time Composite (TC):** – a sample comprised of a varying number of discrete samples or “aliquots” collected at equal time intervals during the compositing period. The TC sample is typically used to sample wastewater or streams.

1.2.4.2. **Flow Proportional Composite (FPC):** – A sample consisting of discrete samples or “aliquots” collected at a rate proportional to flow. The aliquots are collected during the compositing period by either a time-varying/constant volume (TV/CV) method (“automated flow proportioning”) or a time-constant/varying volume (TC/VV) method (“manual flow proportioning”). The TV/CV method is typically used with automatic samplers that are paced by a flow meter. The TC/VV method is a manual method that individually proportions a series of discretely collected aliquots. The FPC is typically used when sampling wastewater.

1.2.4.3. **Aerial Composite:** – a sample composited from individual, equal aliquots collected on an aerial or horizontal cross-sectional basis. Each aliquot is collected in an identical manner. Examples include sediment composites from quarter-point sampling of streams and soil samples from within grids.

1.2.4.4. **Vertical Composite:** – a sample composited from individual, equal aliquots collected from a vertical cross section. Each aliquot is collected in an identical manner. Examples include vertical profiles of soil/sediment columns, lakes, and estuaries.

1.2.5. De-ionized Water

1.2.5.1. Tap water that has been treated by passing it through a standard de-ionizing resin column. At a minimum, the finished water should contain no detectable heavy metals or other inorganic compounds (i.e., at or above analytical detection limits) as defined by a standard Inductively Coupled Argon Plasma Spectrophotometer (ICP) (or equivalent) scan. De-ionized water obtained by other methods is acceptable, as long as it meets the above analytical criteria. Organic-free water may be substituted for de-ionized water.

1.2.6. Organic-Free Water

1.2.6.1. Tap water that has been treated with activated carbon and deionizing units. At a minimum, the finished water must meet the analytical criteria of deionized water and it should contain no detectable pesticides, herbicides, or extractable organic compounds, and no volatile organic compounds above minimum detectable levels as determined by the Region 4 laboratory for a given set of analyses. Organic-free water obtained by other methods is acceptable if it meets the above analytical criteria.

1.2.7. Branch Field Equipment Manager

1.2.7.1. Staff, designated by management, who are responsible for ensuring that the procedures for Equipment Inventory and Management are followed. At least one Branch Field Equipment Manager will be designated for the Field Services Branch (FSB).

2. Field Sampling Quality Control Considerations

2.1. This section provides guidelines for establishing quality control procedures for sampling activities. Strict adherence to all the standard operating procedures outlined in this subsection forms the basis for an acceptable sampling quality assurance program.

2.1.1. Experience Requirements

2.1.1.1. There is no substitute for field experience. This field experience will be gained by on-the-job training using the "buddy" system. Each new investigator will accompany an experienced employee on as many different types of field studies as possible. During this training period, the new employee will be permitted to perform all facets of field investigations, including sampling, under the direction and supervision of senior investigators. Specific requirements covering experience, competency and proficiency are found in the LSASD Training and Demonstration of Competency (LSASDPROC-1003, Current Version).

2.1.2. Traceability Requirements

2.1.2.1. All sample collection and measurement activities will be traceable through field records to the person collecting the sample or making the measurement. All maintenance and calibration records for sampling and measurement equipment (where appropriate) will be kept so that they are similarly traceable. The LSASD Operating Procedure for Equipment Inventory and Management (LSASDPROC-1009, Current Version) contain specific procedures to be followed that ensure traceability.

2.1.3. Chain-of-Custody

2.1.3.1. Specific chain-of-custody procedures are included in LSASD Operating Procedure for Sample and Evidence Management (SESDPROC-005, Current Version). These procedures will ensure that evidence collected during an investigation will withstand scrutiny during litigation. To assure that procedures are being followed, it is recommended that field investigators or their designees audit chain-of-custody entries, tags or labels, field notes, and any other recorded information for accuracy. Additionally, the LSASD Quality Assurance Manager (QAM) will randomly conduct reviews of project files to ensure that quality procedures are being followed.

2.1.4. Sampling Equipment Construction Material

2.1.4.1. Sampling equipment construction materials can affect sample analytical results. Field investigators will ensure the sample equipment construction material will not introduce contaminants to the sample being collected.

2.1.5. Sample Preservation

2.1.5.1. Samples for some analyses must be preserved to maintain their integrity. Preservatives required for routine analyses of samples collected are found in the USEPA Region 4 Laboratory Services Branch Laboratory Operations and Quality Assurance Manual (LSBLOQAM). Chemical preservatives used will be supplied by the Region 4 laboratory or purchased by the Branch Field Equipment Manager. All samples requiring preservation should be preserved immediately upon collection in the field. Records of sample preservation, including ice, will be documented in the field log books.

2.1.5.2. Samples that should not be preserved in the field are:

- Those collected within a hazardous waste site that are known or thought to be highly contaminated with toxic materials which may be highly reactive. Barrel, drum, closed container, spillage, or other source samples from hazardous waste sites are not to be preserved with any chemical.

- Those that have extremely low or high pH or samples that may generate potentially dangerous gases if they were preserved according to the LSBLOQAM.

2.1.5.3. All samples preserved with chemicals will be clearly identified by indication on the sample tag or label that the sample is preserved. If samples normally requiring preservation were not preserved, field records should clearly specify the reason. Samples shipped by air will not be preserved with nitric acid, hydrochloric acid, sodium hydroxide or sulfuric acid in excess of the amount specified in the LSBLOQAM.

2.2. Sample Collection Precautions

2.2.1. To prevent cross-contamination during sample collection, the following precautions will be taken:

- A clean pair of new, non-powdered, disposable latex or nitrile gloves will be worn each time a different location is sampled, and the gloves should be donned immediately prior to sampling. The gloves should not come into contact with the media being sampled.

- Sample containers for source samples or samples suspected of containing high concentrations of contaminants will be placed in separate plastic bags immediately after collecting, tagging, etc.

- If possible, environmental (low concentration) samples and source or waste samples (high concentration) should be collected by different field teams. If different field teams cannot be used, all environmental samples should be collected first and placed in separate ice chests or shipping containers. Samples of waste or highly contaminated samples should never be placed in the same ice chest as environmental samples. Ice chests or shipping containers for source or waste samples or any samples suspected to contain high concentrations of contaminants will be lined with new, clean, plastic bags.

- If possible, one member of the field sampling team should record all the field notes, collect GPS data, etc., while the other members collect the samples.

- When sampling surface water and sediment at the same location, the water sample should always be collected before the sediment sample is collected.

- Sample collection activities should proceed progressively from the least suspected contaminated area to the most suspected contaminated area.

- Investigators should use equipment constructed of Teflon®, stainless steel, or glass that has been properly pre-cleaned according to either the LSASD Operating Procedure for Field Equipment Cleaning and Decontamination (LSASDPROC-205, Current Version) or the LSASD Operating Procedure for Field Equipment Cleaning and Decontamination at the FEC (ASBPROC-206, Current Version) for collection of samples for trace metals or organic compounds analyses. Teflon® or glass is preferred for collecting samples where trace metals are of concern. Equipment constructed of plastic or PVC should not be used to collect samples for trace organic compounds analyses.

- Field investigators should ensure the sample containers they are using have been verified as suitable for the analyses that will be conducted on the samples through the quality control procedures discussed in Section 4 of this procedure.

2.2.2. Upon returning from the field, un-used sample containers will be examined by project leaders to determine whether bottles should be discarded, recycled or re-shelved for use on other projects. A FEC load-in form (SESDFORM-011, Current Version) will be completed and signed by project leaders to identify the future use of sample containers returning from the field. Opened boxes of sampling containers that can be re-used, will be segregated from sealed boxes of new containers.

2.2.3. Opened bags of latex or nitrile gloves returning from the field will be segregated from unopened gloves and will not be re-used for sample collection on other projects.

2.3. Sample Handling and Mixing

2.3.1. Once a sample has been collected, it may have to be transferred into separate containers for different analyses. Sample transfer should be done as soon as possible. If necessary, aqueous samples may be collected into a single, larger container for homogenization and transferred into individual sample containers. However, aqueous samples collected for volatile organic compounds, oil and grease, bacteria, sulfides, and phenols analyses may not be transferred using this procedure.

2.3.2. It is extremely important that waste (when appropriate), soil and sediment samples be mixed thoroughly to ensure that the sample is representative of the sample media. The most common method of mixing is referred to as quartering. The quartering procedure should be performed as follows:

- The material in the sample pan should be divided into quarters and each quarter should be mixed individually.
- Two quarters should then be mixed to form halves.
- The two halves should be mixed to form a homogenous matrix.

2.3.3. This procedure should be repeated several times until the sample is adequately mixed. If round bowls are used for sample mixing, adequate mixing is achieved by stirring the material in a circular fashion, reversing direction, and occasionally turning the material over.

2.4. Special Handling of Samples for Volatile Organic Compounds Analysis

2.4.1. Water samples to be analyzed for volatile organic compounds should be stored in 40-ml septum vials with screw cap and Teflon®-silicone disk in the cap to prevent contamination of the sample by the cap. The disks should be placed in the caps (Teflon® side to be in contact with the sample) in the laboratory prior to the beginning of the field investigation.

2.4.2. The vials should be completely filled with no headspace to prevent volatilization, and extreme caution should be exercised when filling a vial to avoid any turbulence which could also produce volatilization. The sample should be carefully poured down the side of the vial to minimize turbulence. As a rule, it is best to gently pour the last few drops into the vial so that surface tension holds the water in a convex meniscus. The cap is then applied, and some overflow is lost, but the air space in the bottle is eliminated. After capping, turn the bottle over and tap it to check for bubbles. If a bubble or bubbles are present, the vial should be topped off using a minimal amount of sample to re-establish the meniscus. Care should be taken not to flush any preservative out of the vial during topping off. If, after topping off and capping the vial, bubbles are still present, a new vial should be obtained, and the sample re-collected.

2.4.3. Soil and sediment samples for VOC analyses should be collected and handled as specified in the LSASD Operating Procedure for Soil Sampling (LSASDPROC-300, current version), Waste Sampling (LSASDPROC-302, current version) or the LSASD Operating Procedure for Sediment Sampling (LSASDPROC-200, current version). Soil and sediment samples collected for VOC analyses should not be mixed.

2.5. Sample Storage and Transport

2.5.1. After collection, sample handling should be minimized. Field investigators should use extreme care to ensure that samples are not contaminated during storage. Environmental and waste samples are typically stored in coolers. To reduce the risk of cross contamination, smaller sample containers such as 8-ounce glass jars, 40 ml volatile organic analyses (VOA) vials, and one-liter amber bottles should be placed inside of sealed, plastic bags before being placed in the cooler. If ice is required for preservation of the samples, the ice should be contained in a plastic bag or some equivalent container to prevent the potential for cross contamination of the samples by water produced from melting ice. If ice is used, the coolers should be checked regularly, and water should be drained as needed. Custody of samples will be maintained according to the LSASD Operating Procedure for Sample and Evidence Management (LSASDPROC-005, current version).

2.5.2. Samples will either be transported to the analytical laboratory by field investigators or shipped by common carrier. Shipping of samples will be conducted in accordance with the LSASD Operating Procedure for Packing, Marking, Labeling and Shipping of Environmental and Waste Samples (LSASDPROC-209, current version).

3. Quality Control Samples

3.1. Quality control samples are collected during field studies for various purposes, among which are to isolate site effects (control samples), to define background conditions (background sample), and to evaluate field/laboratory variability (spikes and blanks, trip blanks, duplicate, split samples, etc.).

3.1.1. Control Sample

3.1.1.1. A control sample is typically a discrete grab sample collected to isolate a source of contamination. Isolation of a source could require the collection of both an upstream sample at a location where the medium being studied is unaffected by the site being studied, as well as a downstream control which could be affected by contaminants contributed from the site under study.

3.1.2. Background Sample

3.1.2.1. A background sample (usually a grab sample) is collected from an area, water body or site similar to the one being studied but located in an area known or thought to be free from pollutants of concern.

3.1.3. Variability Samples

3.1.3.1. Variability may be defined as a variation in concentrations of compounds or analytes across a site or area of investigation or variations, across time, of waste streams or surface water bodies. Variation can also be introduced during sample handling. The following procedures are used to assess and evaluate variability. When appropriate, spatial duplicate grab and/or composite samples should be collected during investigations and studies in accordance with the project DQOs. In general, no more than ten percent of all samples should be collected as spatial duplicates.

3.1.3.1.1. Spatial Variability Duplicate

3.1.3.1.1.1. The following spatial duplicate sampling procedures should be used during the collection of samples as a measure of variability within the area represented by the sample. These samples should be collected at the same time, using the same procedures, the same type of equipment, and in the same types of containers as the original samples. They should also be preserved in the same manner and submitted for the same analyses as the required samples.

3.1.3.1.1.2. Spatial variability duplicate samples are typically collected during investigations where samples are collected from grids that are positioned at fixed intervals over the study area and a sample collection pattern is established within the grids. Spatial variability duplicate samples are collected using the same compositing pattern as the original sample and are collected within the same general area of representativeness; however, the pattern is shifted relative to the original aliquot locations. This amount and direction of shift for the duplicate sample is dependent upon the size of the grid or area being sampled and should be specified in the Quality Assurance Project Plan (QAPP) for the investigation. Data from spatial duplicates will be examined by the investigation project leader to determine if the observed spatial variability is acceptable, based on the investigation or study objectives.

3.1.3.1.2. Temporal Variability Duplicate

3.1.3.1.2.1. When appropriate, temporal variability at a given sampling location will be measured by collecting temporal duplicate samples. These samples will be collected from the same sampling location, using the same techniques and the same type of equipment, but at a time different from the original sample. The time selected for the temporal duplicate sample will be similar to

the time or span of time specified for the original sample in the project work plan. Data from temporal duplicates will be examined by the project leader to determine if samples represent the time span intended in the project work plan.

3.1.3.1.3. Sample Handling Variability

3.1.3.1.3.1. The effectiveness of sample handling techniques will be measured by collecting split and blank samples.

3.1.3.1.3.1.1. Split Samples: Split samples will be collected by initially collecting twice as much volume as is normally collected. The material will be apportioned, after mixing, if appropriate, into two sets of containers. Both sets of containers will be submitted for analyses with one set designated as an "original sample," the other designated as a "split sample." Data from the split samples will be examined by the project leader to assess sample handling variability. On large studies (more than 20 samples collected), a minimum of 5 percent, but no more than 10 percent, of all samples will be collected as split samples unless required by site data quality objectives.

3.1.3.1.3.1.2. Blank Samples: The following blank samples will be prepared by the laboratory and obtained by the project leader prior to traveling to a sample site.

- Water Sample VOC Trip Blank - A water sample VOC trip blank is required for every study where water samples are collected for VOC analysis. Sealed preserved (or unpreserved, if unpreserved vials were used during the investigation) 40-ml VOC vials will be transported to the field. Two sealed VOC vials will be submitted per trip blank sample. At least one trip blank sample will be submitted per sample shipment. Trip blanks will be prepared by lab personnel. Investigators should submit their request for trip blanks at least one week in advance of scheduled field investigations and inspections and never (except in emergency situations) less than two days in advance of scheduled field investigations and inspections. These samples should not be picked up earlier than the morning of departure for the scheduled inspection/investigation. These trip blanks will be handled and treated in the same manner as the water samples collected for volatile organic compounds analysis on that study. These samples will be clearly identified on sample labels and Chain-of-Custody Records as trip blanks.

- Soil/Sediment Sample VOC Trip Blank - A soil/sediment sample VOC trip blank is required for every study where soil and/or sediment samples are collected for VOC analysis. The required containers are specified the USEPA Region 4 LSBLOQAM. The request and pick up of the soil blank sample will be the same as for the water trip blank. En Core® containers will be transported to the field. These blanks will be handled and treated by field investigators in the same manner as the soil samples collected for VOC analysis on that study. These samples will be clearly identified on sample labels and Chain-Of-Custody Records as trip blanks. Two sealed En Core® containers will be submitted per trip blank sample. At least one set of trip blank samples will be submitted per sample shipment.

3.1.3.1.3.1.3. The following blanks are prepared in the field:

- Sample Preservative Blanks - LSASD will generally use chemical preservatives stored in individual single-use vials. The chemical preservative will be tested prior to use for the appropriate analytes. The use of pre-tested, single-use vials eliminates the need to routinely collect preservative blanks in the field. If the preservatives are stored in containers that will be used to preserve multiple samples, blanks will be collected to evaluate the potential for cross-contamination resulting from the preservation process. If preservative blanks are collected, sample containers will be filled with de-ionized water by LSASD personnel and transported to the field and preserved and submitted for the same analyses as the other inorganic samples collected. These samples will be clearly identified as preservatives blanks on sample labels and the Chain-Of-Custody Record(s). At least one preservative blank for each type of preserved sample should be collected at the end of routine field investigations. In addition, one preservative blank will be collected for each multi-use bottle of preservative used.

  Note: The deionized water will be generated from a water treatment unit provided by the LSASD laboratory.

- Equipment Rinsate Blanks - Equipment rinsate blanks will be collected whenever field decontamination of equipment to be re-used in sampling activities is performed.

- When field cleaning of equipment is required during a sampling investigation, a piece of the field-cleaned equipment will be selected for collection of a rinse blank. At least one rinse blank will be collected during each week of sampling operations. After the piece of equipment has been field cleaned and prior to its being used for sample operations, it will be rinsed with organic-free water. The rinse water will be collected and submitted for analyses of all constituents for which normal samples collected with that piece of equipment are being analyzed.

- Organic-Free Water System Blanks - When using a portable organic-free water generating system in the field, a sample of the water generated by the system will be collected at least once during each week of operations. Based on the objectives of the study or investigation, it may be appropriate to collect a sample of the raw source water. The collected water sample will be submitted for analyses of all constituents for which normal samples are being analyzed.

- Material Blanks - When construction materials are being used on a site in such a way as to have a potential impact on constituent concentrations in the sample, a sample of each material will be submitted for analysis.

  Note: For drilling operations where materials are shipped directly to the site from the supplier, see LSASD Guidance for Design and Installation of Monitoring Wells (SESDGUID-101, Current Version) for material blank collection and reporting requirements.

- Automatic Sampler Blanks - In general, cleaning procedures outlined in the LSASD Operating Procedure for Field Equipment Cleaning and Decontamination at the FEC (ASBPROC-206, Current Version) should be adequate to ensure sample integrity. However, it is the standard practice of the Field Services Branch to submit automatic sampler blanks for analyses when automatic samplers are used to collect samples for organic compounds and metals analyses. Automatic sampler blanks for other standard analyses may be submitted in the event of a special investigation (e.g., criminal or civil).

- Field Blank - A field blank is a sample that is prepared in the field to evaluate the potential for contamination of a sample by site contaminants from a source not associated with the sample collected (for example air-borne dust or organic vapors which could contaminate a soil sample). Organic-free water is taken to the field in sealed containers or generated on-site. The water is poured into the appropriate sample containers at pre-designated locations at the site. Field blanks should be collected in dusty environments and/or from areas where volatile organic contamination is present in the atmosphere and originating from a source other than the source being sampled.

- Temperature Blank - A temperature blank is a container of water shipped with each cooler of samples requiring preservation by cooling to 6°C (ice). The temperature of the blank is measured at the time of sample receipt by the laboratory. No temperature blank is necessary for waste samples since waste samples do not require ice for preservation.

- Wipe Sample Blank - A wipe sample blank is a sample of the material and solvent used for collecting wipe samples. The blank is handled, packaged and transported in the same manner as all other wipe samples with the exception that it is not exposed to actual contact with the sample medium.

- Water Filter Blank - When filters are used for sampling a dissolved constituent, de-ionized water should be run through at least one filter from each lot and the filtered water submitted for the same analyses. When filters are used for chlorophyll sampling, the filter should be prepared using de-ionized water and submitted for the same chlorophyll analysis.

3.2. Spikes

3.2.1. Spike samples are used to measure bias due to sample handling or analytical procedures. Spike samples are typically used by LSASD to evaluate the performance of contract laboratories and are shipped directly to the Contract Laboratory Program (CLP) laboratory by the ESAT contractor.

3.3. Matrix Spike/Matrix Spike Duplicate Samples for Water and Soil Samples for Organic Compounds Analyses

3.3.1. Matrix spike and matrix spike duplicate (MS/MSD) samples will be submitted to the laboratory for volatile organic compounds, extractable organic compounds, pesticides/PCBs and/or herbicides analyses from at least one sampling location per project and laboratory used. One MS/MSD sample should be collected per 20 samples per media collected.

3.3.2. Additional volume will be required for the soil MS/MSD samples. Semi-volatile organic compounds, pesticides, and PCB analyses of soil/sediment samples require the collection of one additional eight-ounce glass jar. For VOC soil/sediment samples, double volume, i.e., six En Cores® or six 40 ml vials with syringe collected sample, is needed for the MS/MSD samples.

3.3.3. Additional volume will be required for the water MS/MSD samples. For routine full scan analysis, i.e., extractable organic compounds, pesticides, and PCBs, four one-liter amber containers provide the required sample volume. Eight containers, therefore, should be submitted for the MS/MSD sample. For VOC water samples, a total of six 40 ml vials should be collected.

3.3.4. MS/MSD samples should be collected from a location expected to be relatively free from contamination, since the samples will be used for laboratory quality control purposes. The duplicate samples should be clearly identified as "Duplicate Sample for Matrix Spike" or “MS/MSD” on the Chain-Of-Custody Record, in the field logbook and on the Contract Laboratory Program Traffic Report Form (if appropriate). This procedure will be followed for all projects where water samples are collected for the indicated analyses. For non-routine sampling events, the Region 4 LSASD laboratory should be consulted for specific sample volume and container requirements.

3.4. Matrix Spike/Matrix Spike Duplicate Samples for Water and Soil Samples for Inorganic Analyses

3.4.1. A matrix spike sample and a duplicate sample (MS/MSD) will be submitted to the laboratory for inorganic analyses from at least one sampling location per project and laboratory used. One matrix spike and duplicate sample should be collected per 20 samples per media collected per laboratory.

3.4.2. Soil/sediment and water samples collected for inorganic analyses will normally have sufficient sample volume to perform the matrix spike analyses without requiring the collection of extra sample volume. The project leader should designate a sample, typically one considered to be representative of background or relatively uncontaminated conditions, as the matrix spike sample. For water samples, the

sample volume collected will normally provide adequate volume for the MS/MSD analyses.

3.4.3. MS/MSD samples should be collected from a location expected to be relatively free from contamination, since the samples will be used for laboratory quality control purposes. MS/MSD samples should be clearly identified as "Duplicate Sample for Matrix Spike" or “MS/MSD” on the Chain-Of-Custody Record, in the field logbook and on the Contract Laboratory Program Traffic Report Form (if appropriate). This procedure will be followed for all projects where water samples are collected for the indicated analyses. For non-routine sampling events, the Region 4 LSASD laboratory should be consulted for specific sample volume and container requirements.

3.5. Special Quality Control Procedures for EPA Contract Laboratories

3.5.1. On a case-by-case basis, field investigators may be required to collect split samples (or duplicate samples if appropriate) for analyses by either the Region 4 LSASD laboratory or contract laboratories. The split samples are to be submitted to the Region 4 laboratory using established procedures. The contract laboratory involved will not be notified that samples were split, i.e., there should be no indication on Chain-Of-Custody Records or CLP Traffic Report Forms submitted to the contract laboratories that these samples were split with the Region 4 LSASD laboratory.

3.6. Special Quality Control Procedures for Dioxins and Furans

3.6.1. The Region 4 laboratory does not conduct in-house analyses for dioxins and furans. Dioxin and furans analyses are conducted by contract laboratories. The Region 4 laboratory may accept environmental samples (soil, sediment, groundwater, and surface water) suspected of being contaminated with polychlorinated dibenzo-p-dioxins (PCDD) and polychlorinated dibenzofurans (PCDF), as long as suspected PCDD and PCDF contamination is not due to RCRA hazardous waste classified as F020-023 and/or F026-028. If these environmental samples are not contaminated with a F020-023 and/or F026-028 waste, it may be analyzed for parameters other than dioxin and furans. Environmental samples known or suspected to be contaminated with the RCRA hazardous waste F020-023 and or F026-028 will not be accepted.

Note: Environmental samples suspected of being contaminated with RCRA hazardous waste classified in 40 CFR, 261.31 as F032 will be accepted. The F032 waste is defined as wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations. The F032 listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and or pentachlorophenol. Prior to a

sampling event, the project leaders should consult with the Analytical Services Branch Sample Control Coordinator to determine if the Region 4 laboratory can accept the samples. The Region 4 LSASD laboratory should also be consulted for the current quality control procedures for dioxins and furans samples prior to a sampling investigation.

4. Internal Quality Control Procedures

4.1. The focus of this section is on Field Equipment Center (FEC) operations involving preparation of sampling and support equipment for field operations, as well as field data generated under the specific sample collection quality control procedures discussed in Section 2. Quality control checks of these operations ensure that field sampling teams are provided with equipment that is suitable for sampling use, and that field sampling is conducted using proper procedures.

4.1.1. Traceability Requirements

4.1.1.1. Records will be kept by designated LSASD staff or FEC personnel documenting the dates of operations and the person performing operations for the following:

- Organic-Free Water System Maintenance (FEC System) - Maintenance on the FEC organic-free water system will be performed at least once per 180 days.

- Air Monitoring Safety Instrumentation Checkouts - Pre-loadout checks on safety monitoring instrumentation will be recorded each time they are performed. Discrepancies will be immediately reported to the Branch Safety Officer.

- Self-Contained Breathing Apparatus (SCBA) Checkouts - Pre-loadout checks on SCBAs will be recorded when they are performed. SCBA checkouts will be performed at least once per calendar quarter in the absence of loadout requests. Any discrepancies will be reported immediately to the Branch Safety Officer.

- Other Equipment Maintenance - Maintenance performed on equipment other than that listed above will be accordance to the LSASD Operating Procedure for Equipment Inventory and Management (LSASDPROC-1009, Current Version). All required repairs will be reported to appropriate Branch Field Equipment Manager.

- Tubing, Sampling Containers and Latex Gloves - The Field Services Branch Quality Assurance Officer (FSB QAO) is responsible for conducting verification sampling for tubing, sample containers, and latex gloves that are used during field investigations. Upon receipt, the tubing,

containers, and gloves are placed in the quarantine room at the FEC. A record is kept of the lot numbers for each shipment received. The FSB QAO, or designee, will collect blank samples from tubing, containers and gloves within each lot received and will review the results to ensure the sample containers and gloves are suitable for use during field investigations. Once the supplies are deemed suitable, the FSB QAO will release the items for use.

- Chemical preservatives commercially purchased will be tested prior to use. Each lot of chemical preservative will be tested for the appropriate analytes by either the Branch Field Equipment Manager or the FSB QAO. Once released by FSB QAO, the preservatives can be used in the field.

- Equipment - All equipment cleaned and wrapped for field use will be marked with the date on which preparation was completed. Equipment will be stored at the FEC in specified areas to minimize the risk of contamination while awaiting use.

4.1.2. Specific Quality Control Checks

4.1.2.1. When collecting samples during field investigations, it is necessary to take measures to prevent cross contamination to ensure the integrity of the data generated. The FSB conducts verification sampling of sample containers, gloves, sampling equipment, tubing and water utilized during field investigations as one of these measures. At least twice per calendar year, the FSB QAO will conduct the following checks and issue a written report to the QAM with the results.

4.1.2.1.1. Collect and submit for analyses samples of each new lot of containers received. Bottles from each lot will be tagged and sealed, then submitted for the following analyses:

- Amber, 1-liter – extractable organics, pesticides, and PCBs.
- Clear Glass, 8-oz. – metals, cyanide, extractable organics, pesticides, PCBs, and volatile organic compounds.
- Polyethylene, 1-liter – metals and cyanide.

Note: In addition to the quality control checks listed above, samples may be collected during field investigations for classical inorganic parameters such as nitrates, nitrites, sulfides, etc. Due to the detection levels generally required for these parameters, it is unlikely that cross contamination may occur in association with the sample containers and sampling equipment used during sample collection. Therefore, classical inorganic analyses are not conducted as part of the routine quality control checks. If the data quality objectives require additional quality control checks, bottles will be submitted to the laboratory for analyses.

4.1.2.2. Collect and submit for analyses a rinsate blank for each new lot of latex or nitrile gloves received during the calendar quarter. Samples will be collected as rinse blanks using organic-free water. The rinsate will be submitted for analyses of VOCs, metals, cyanide, extractable organics, pesticides, and PCBs. A new glove will be rinsed for each parameter (e.g., one glove for the VOC sample, another glove for metals, etc.) to avoid dilution of potential contaminants on the gloves. Water for the VOC samples should be provided by the LSB laboratory.

4.1.2.3. Collect and submit for analyses a sample of water from the FEC organic-free water system. The sample will be submitted for analyses of VOCs, metals, cyanide, extractable organics, pesticides, and PCBs.

4.1.2.4. Collect and submit for analyses a rinsate blank of at least one piece of sampling or sample related equipment stored at the FEC. The sample will be submitted for analyses of VOCs, metals, cyanide, extractable organics, pesticides, and PCBs. Water for the VOC samples should be provided by the LSB laboratory.

4.1.2.5. Collect and submit for analyses a rinsate blank for each new lot of Silastic® or Tygon® tubing used in peristaltic pump head. The sample will be submitted for metals and cyanide analysis.

4.1.2.6. Teflon® tubing – Collect and submit for analyses a rinsate blank for each new lot of Teflon® tubing received. Rinse blanks will be collected through the Teflon tubing. The sample will be submitted for metals, cyanide, extractable organics, volatile organic compounds, pesticides, and PCBs. Water for the VOC samples should be provided by the LSB laboratory.

4.1.3. Quality Control for Special Order Equipment and Supplies

4.1.3.1. Some equipment and supplies ordered for specific projects are received in what can be considered ready to use condition. In order to ensure the integrity of these materials, an equipment rinsate blank will be collected from at least one item in each lot. The equipment and supplies will not be used until the QAO has reviewed the analytical data for the blanks and released the items.

4.1.4. Quality Control Evaluation and Corrective Action

4.1.4.1. All field investigation reports will contain a clearly identified section where the results for all field generated quality control (QC) samples are discussed and reported. Quality control data review includes but is not limited to detections of organic and inorganic compounds at any concentration in quality control blanks (i.e., trip blanks, equipment rinsate blanks, portable organic-free water system blanks, etc.).

4.1.4.2. All detections of organic and inorganic compounds will be immediately reported to the FSB QAO. The project leader will analyze of the results to determine if the source of contamination can be identified. If the source of contamination cannot be determined by the project leader, the branch QAO will conduct an additional review of the results to assess the source of contamination. If the source of contamination cannot be determined, the QAO will monitor all quality control results generated by the branch and assess the data for trends of contamination.

4.1.4.3. If it is determined by the project leader and the FSB QAO that the contamination adversely impacts the data collected during the investigation, the project leader will report the results to their Section Supervisor and the QAM. The project leader, in consultation with management, will determine whether the impacted data are usable or should be rejected. If data are rejected, the project leader and their management will determine whether samples must be recollected.

4.1.4.4. Data reported to the QAM will be analyzed to determine if the contamination is due to non-conforming work. If it is determined by the QAM, in consultation with management, that the contamination is due to non-conforming work, a corrective action is warranted and will be selected and implemented in a timely manner. If a corrective action is required, it must be implemented and reported according to the LSASD Operating Procedure for Corrective Action, Improvements, and Risk (LSASDPROC-1005, current version). If contamination is not due to non-conforming field work, then the source of contamination will be identified, if possible, and documented by the QAM. If the source of contamination cannot be determined, QAM will monitor all quality control results generated by LSASD and assess the data for trends of contamination.

4.1.4.4.1. Quality Assurance Reports

4.1.4.4.1.1. It is each project leader's responsibility to ensure that a copy of the quality assurance data from each field investigation report is provided to the FSB QAO, who will compile a quarterly report of field quality assurance data and forward the report to the QAM.

4.1.4.4.1.2. The QAM will prepare an annual quality assurance report based on the quarterly reports. This report will be distributed to all field investigators each year and will document and discuss all quality control issues or trends identified during the data review. This report will be retained by the QAM to document that QC measures have been taken, that the QC measures are appropriate, that the QC results are acceptable or, if not, that corrective actions were taken.

References

LSASD Safety, Health and Environmental Management Program (SHEMP) Manual, Current Version

LSASD Operating Procedure for Sample and Evidence Management (LSASDPROC-005, Current Version)

LSASD Training and Demonstration of Competency (LSASDPROC-1003, Current Version)

LSASD Operating Procedure for Equipment Inventory and Management (LSASDPROC-1009, Current Version)

LSASD Operating Procedure for Sediment Sampling (LSASDPROC-200, Current Version)

LSASD Operating Procedure for Field Equipment Cleaning and Decontamination (LSASDPROC-205, Current Version)

LSASD Operating Procedure for Field Equipment Cleaning and Decontamination at the FEC (ASBPROC-206, Current Version)

LSASD Operating Procedure for Soil Sampling (LSASDPROC-300, Current Version)

LSASD Operating Procedure for Waste Sampling (LSASDPROC-302, Current Version)

USEPA Region 4 Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (EISOPQAM), November 2001

USEPA Region 4 Analytical Support Branch Laboratory Operations and Quality Assurance Manual (ASBLOQAM), Current Version

Loan-In Form (LSASDFORM-011, Current Version)

LSASD Operating Procedure for Packing, Marking, Labeling, and Shipping of Environmental and Waste Samples (LSASDPROC-209, Current Version)

LSASD Operating Procedure for Corrective Action, Improvements, and Risk (LSASDPROC-1005, Current Version)

SESD Guidance for Design and Installation of Monitoring Wells (SESDGUID-101, Current Version)

Revision History

History	Effective Date
Replaced Chief with Supervisor; General formatting revisions.	April 22, 2023
LSASDPROC-011-R6, Field Sampling Quality Control, replaces SESDPROC-011-R5 Changed SESD reference to LSASD throughout. SOP put into the new SOP format. Updated several references and made several editorial changes.	November 12, 2021
SESDPROC-011-R5, Field Sampling Quality Control, replaces SESDPROC-011-R4 Cover Page: SESD's reorganization was reflected in the authorization section by making John Deatrick the Supervisor of the Field Services Branch. The QAM was changed from Bobby Lewis to Hunter Johnson. Revision History: Changes were made to reflect the current practice of only including the most recent changes in the revision history. General: Corrected any typographical, grammatical and/or editorial errors. Changed name of Enforcement and Investigations Branch to Field Services Branch. Removed references to Ecological Assessment Branch. Added Section 2.9 to the Table of Contents. Section 1.4.6: Added definition for Organic-Free Water Section 3.5: Changed volume needed for soil MS/MSD samples from triple to double volume. Section 4.1: Modified statement to read: Each lot of chemical preservative will be tested for the appropriate analytes by either FEC Staff or the Branch QAO.	April 26, 2017
SESDPROC-011-R4, Field Sampling Quality Control, replaces SESDPROC-011-R3	February 5, 2013
SESDPROC-011-R3, Field Sampling Quality Control, replaces SESDPROC-011-R2	October 15, 2010
SESDPROC-011-R2, Field Sampling Quality Control, replaces SESDPROC-011-R1	January 28, 2008
SESDPROC-011-R1, Field Sampling Quality Control, replaces SESDPROC-011-R0.	October 19, 2007
SESDPROC-011-R0, Field Sampling Quality Control, Original Issue	February 5, 2007

Region 4
U. S. Environmental Protection Agency
Science and Ecosystem Support Division
Athens, Georgia

OPERATING PROCEDURE

Title: **Ambient Air Sampling**

Effective Date: March 30, 2016	**Number:** SESDPROC-303-R5

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1 GENERAL INFORMATION

1.1 Purpose

This document describes general and specific procedures, methods and considerations to be used and observed when collecting ambient air samples for field screening or laboratory analysis. Air toxics, as used in this procedure, means air pollutants for which National Ambient Air Quality Standards have not been established. Criteria pollutants mean air pollutants for which National Ambient Air Quality Standards have been established.

1.2 Scope/Application

The procedures contained in this document are to be used by field personnel when collecting and handling ambient air samples in the field. On the occasion that SESD field personnel determine that any of the procedures described in this section are inappropriate, inadequate or impractical and that another procedure must be used to obtain an ambient air sample, the variant procedure will be documented in the field log book, along with a description of the circumstances requiring its use. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

1.3 Documentation/Verification

This procedure was prepared by persons deemed technically competent by SESD management, based on their knowledge, skills and abilities and have been tested in practice and reviewed in print by a subject matter expert. The official copy of this procedure resides on the SESD local area network (LAN). The Document control Coordinator (DCC) is responsible for ensuring the most recent version of the procedure is placed on the LAN and for maintaining records of review conducted prior to its issuance.

1.4 Quality Control

Quality control for sampling associated with ambient air monitoring is method specific. The sampling methods described in the sections that follow contain the quality control procedures appropriate for each method.

1.5 Records

Information generated or obtained by SESD personnel will be organized and accounted for in accordance with SESD records management procedures found in SESD Operating Procedure for Control of Records, SESDPROC-002. Field notes, recorded in a bound field logbook, will be generated, as well as chain-of-custody documentation in accordance with SESD Operating Procedure for Logbooks, SESDPROC-010 and SESD Operating Procedure for Sample and Evidence Management, SESDPROC-005.

1.6 General Precautions

1.6.1 Safety

Proper safety precautions must be observed when collecting ambient air monitoring samples. Refer to the SESD Safety, Health and Environmental Management Program (SHEMP) Procedures and Policy Manual and any pertinent site-specific Health and Safety Plans (HASPs) for guidelines on safety precautions. These guidelines, however, should only be used to complement the judgment of an experienced professional. Address chemicals that pose specific toxicity or safety concerns and follow any other relevant requirements, as appropriate.

1.6.2 Procedural Precautions

The following precautions should be considered when collecting ambient air monitoring samples.

- Special care must be taken not to contaminate samples. This includes storing samples in a secure location to preclude conditions which could alter the properties of the sample. Samples shall be custody sealed during long-term storage or shipment.

- Collected samples are in the custody of the sampler or sample custodian until the samples are relinquished to another party.

- If samples are transported by the sampler, they will remain under his/her custody or be secured until they are relinquished.

- Shipped samples shall conform to all U.S. Department of Transportation (DOT) rules of shipment found in Title 49 of the Code of Federal Regulations (49 CFR parts 171 to 179), and/or International Air Transportation Association (IATA) hazardous materials shipping requirements found in the current edition of IATA's Dangerous Goods Regulations.

- Documentation of field sampling is done in a bound logbook.

- Chain-of-custody documents shall be filled out and remain with the samples until custody is relinquished.

- All shipping documents, such as bills of lading, etc., shall be retained by the project leader and stored in a secure place.

1.7 References

Ambient Monitoring Technology Information Center (AMTIC) Internet Bulletin Board: $PM_{2.5}$ QA area (http://www.epa.gov/ttn/amtic/pmqa.html)

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Method TO-4A (pesticides and PCBs) and TO-13A (polynuclear aromatic compounds)

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Method TO-9A

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Method TO-11A

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Method TO-15A

International Air Transport Authority (IATA) Dangerous Goods Regulations, Most Recent Version

Neutronics Model RI-2002PA Portable Automotive Refrigerant Identifier Operation Instruction Manual

SESD Operating Procedure for Control of Records, SESDPROC-002, Most Recent Version

SESD Operating Procedure for Sample and Evidence Management, SESDPROC-005, Most Recent Version

SESD Operating Procedure for Logbooks, SESDPROC-010, Most Recent Version

SESD Operating Procedure for Field Sampling Quality Control, SESDPROC-011, Most Recent Version

SESD Operating Procedure for Equipment Inventory and Management, SESDPROC-108, Most Recent Version

SESD Operating Procedure for Field Equipment Cleaning and Decontamination, SESDPROC-205, Most Recent Version

SESD Operating Procedure for Packaging, Marking, Labeling and Shipping of Environmental and Waste Samples, SESDPROC-209, Most Recent Version

Title 40 Code of Federal Regulations (CFR), Part 50, Appendix A - Reference Method for the Determination of Sulfur Dioxide in the Atmosphere (Pararosaniline Method), Most Recent Version

Title 40 CFR, Part 50, Appendix B - Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere (High Volume Method), Most Recent Version

Title 40 CFR, Part 50, Appendix C - Measurement Principle and Calibration Procedure for the Measurement of Carbon Monoxide in the Atmosphere (Non-Dispersive Infrared Photometry), Most Recent Version.

Title 40 CFR, Part 50, Appendix D-Measurement Principle and Calibration Procedure for the Measurement of Ozone in the Atmosphere, Most Recent Version

Title 40 CFR, Part 50, Appendix F - Measurement Principle and Calibration Procedure for the Measurement of Nitrogen Dioxide in the Atmosphere (Gas Phase Chemiluminescence), Most Recent Version

Title 40 CFR, Part 50, Appendix G - Reference Method for the Determination of Lead in Suspended Particulate Matter Collected From Ambient Air, Most Recent Version

Title 40 CFR Part 50, Appendix J - Reference Method for the Determination of Particulate Matter as PM_{10} in the Atmosphere, Most Recent Version

Title 40 CFR Part 50, Appendix L - Reference Method for the Determination of Fine Particulate Matter as $PM_{2.5}$ in the Atmosphere, Most Recent Version

Title 40CFR Part 53 – Ambient Air Monitoring Reference and Equivalent Methods, Most Recent Version

Title 40 CFR, Part 58 – Ambient Air Quality Surveillance, Most Recent Version

Title 40 CFR, Part 58, Appendix A -Quality Assurance Requirements for State and Local Air Monitoring Stations (SLAMS), Most Recent Version

Title 40 CFR, Part 58, Appendix C - Ambient Air Quality Monitoring Methodology, Most Recent Version

Title 40 CFR, Part 58, Appendix D - Network Design for State and Local Air Monitoring Stations (SLAMS), National Air Monitoring Stations (NAMS), and Photochemical Assessment Monitoring Stations (PAMS), Most Recent Version

Title 40 CFR, Part 58, Appendix E - Probe and Monitoring Path Siting Criteria for Ambient Air Quality Monitoring, Most Recent Version

Title 49 CFR, Parts 171 to 179, Most Recent Version

US Environmental Protection Agency (US EPA) 1994. Quality Assurance Handbook for Air Pollution Measurement Systems, Volume I, Principles, EPA/600/R-94/038a, April1994.

US EPA. 1995. Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements, (revised edition) EPA/600/R-94/038d, March, 1995.

US EPA. 1998. Quality Assurance Handbook for Air Pollution Measurement System, Volume II: Part 1, Ambient Air Quality Monitoring Program, Quality System Development, EPA-454/R-98-004, August 1998 (commonly referred to as the "Red Book.").

US EPA. 1998. EPA Quality Assurance Document: Method Compendium, $PM_{2.5}$ Mass Weighing Laboratory Standard Operating Procedures for the Performance Evaluation Program, United States Environmental Protection Agency Office of Air Quality Planning and Standards, October 1998.

US EPA. 2006. Standard Operating Procedure for Through-the-Probe Performance Evaluations of Ambient Air Quality Monitoring of Criteria Air Pollutants, January 2006.

US EPA. 1998. Quality Assurance handbook for Air Pollution Measurement Systems, Volume II, Ambient Air Specific Methods, Section 2.12, EPA/600/R-94/038b, November, 1998

US EPA. 2002. EPA Quality Assurance Guidance Document: Method Compendium, Field Standard Operating Procedures for the $PM_{2.5}$ Performance Evaluation Program, United States Environmental Protection Agency Office of Air Quality Planning and Standards, Revision No. 2, March 2002.

US EPA. 2005. Standard Operating Procedures for Through-The-Probe (TTP) Performance Evaluations of Ambient Air Quality Monitoring of Criteria Air Pollutants, Office of Air Quality Planning and Standards, May 2005.

US EPA Quality Assurance Document: Quality Assurance Project Plan for the Performance Evaluation Program

US EPA Implementation Plan: $PM_{2.5}$ Federal Reference Method Performance Evaluation Program, EPA Quality Assurance Guidance Document 2.12

US EPA. Safety, Health and Environmental Management Program Procedures and Policy Manual. Region 4 SESD, Athens, GA, Most Recent Version

2 AUDITING OF OZONE AND CARBON MONOXIDE MONITORING SITES IN THE NATIONAL PERFORMANCE AUDIT PROGRAM (NPAP)

2.1 Auditing Ozone Analyzers

The following is a synopsis of procedures which should be strictly adhered to for the auditing of ozone at ambient monitoring sites.

- The photometer (audit instrument) will meet 40 CFR Part 50, Appendix D specifications for a Primary Standard Calibration Photometer. This instrument will be re-plumbed to act as an analyzer to measure test gas concentrations.

- The photometer will be verified quarterly against a National Institute of Standards and Technology (NIST) Standard Reference Photometer before use.

- The mobile laboratory will meet the specifications of monitor reference/ equivalent designation for temperature control which is between 20-30 degrees Celsius when the analyzer is in operation.

- The probe line must meet the requirements stated in 40 CFR Part 58 for materials and sample residence time.

- Flows will be calibrated annually, and all flow calibrations will be traceable to a primary standard. Flows will be corrected to EPA standard temperature and pressure (25°C and 760 mm Hg).

- The ozone generator/calibrators flow and ozone generation output will be calibrated annually.

- The ozone generator and photometer will operate using zero air supplied by a zero air generator. The zero air scrubber components will be replaced annually or if anomalies in the zero measurement are observed. The desiccant will be regenerated when two thirds (2/3) of the blue indicating silica gel has turned pink.

- During the audit, stability of each audit point will be demonstrated for at least five minutes.

- All auditing will be performed at approximately ambient pressure (utilizing a vent for excess during the audit procedure). There should be excess air flow at the probe at all times.

- All audits will be conducted “through the probe” where the probe is safely accessible.

- Chain-of-custody must be maintained at all times (monitor will be locked in the mobile laboratory when the operator is not present to prevent tampering).

2.1.1 Audit Procedure

Auditing will be conducted using the procedures as summarized below, and in accordance with the EPA Standard Operating Procedure for Through-the-Probe Performance Evaluations of Ambient Air Quality Monitoring of Criteria Air Pollutants, and 40 CFR Part 50, APPENDIX A:

- Procedures detailed in the approved instrument manual will be used for installation, calibration, QA checks, maintenance, and repairs.

- The photometer will be verified quarterly against a National Institute of Standards and Technology (NIST) Standard Reference Photometer after major maintenance or when a quality assurance (QA) check shows an out-of-control condition exists.

- A data telemetry system, with electronic strip charting capability will be operated to record the audit progress and each audit activity will be annotated on the chart. This will serve as a permanent record and diagnostic tool.

- Prior to the audit, the audit equipment, including the photometer and calibrator, will be allowed a warm up period of at least 3 hours. During this time, the system should be conditioned with at least 200 ppb of ozone. The concentration of ozone used to condition the system must always be higher than the highest audit point that will be audited.

- The audit will consist of at least three consecutive levels where at least 80% of ozone measurements are expected to be at the monitoring site and a zero measurement. The prescribed audit levels are recorded in 40 CFR Part 58, Appendix A, 3.2.2.1.

- Audit data from the mobile laboratory and monitoring site will be recorded electronically on the NPAP Audit Worksheet. This worksheet, along with the electronic strip chart trace will be printed at the conclusion of each audit event. In addition, the NPAP Audit Worksheet will be copied and placed on the network drive for archival. A hard copy of the preliminary audit report and electronic strip chart will be provided to the site operator at the conclusion of the audit.

- After completion of the study, the mobile laboratory will be returned for inspection, maintenance, and repair. All field documentation will be retained by the Air Monitoring Staff.

2.2 Auditing Carbon Monoxide Analyzers

The following is a synopsis of procedures which should be strictly adhered to for the auditing of carbon monoxide in air.

- Calibration systems will meet 40 CFR Part 50, Appendix C specifications.
- The mobile laboratory will meet the specifications of monitor reference/ equivalent designation for temperature control which is between 20-30 degrees Celsius when the analyzer is in operation.
- The audit analyzer will be calibrated using certified concentrations of standard gases before and after use.
- The probe line must meet the requirements stated in 40 CFR Part 58 for materials and sample residence time.
- Calibrator flows will be calibrated annually, and all flow calibrations will be traceable to a primary standard. Flows will be corrected to EPA standard temperature and pressure (25°C and 760 mm Hg).
- The gas calibrator will operate using zero air supplied by a zero air generator. The zero air scrubber components will be replaced annually or if anomalies in the zero measurement are observed. The desiccant will be regenerated when two thirds (2/3) of the blue indicating silica gel has turned pink.
- During the audit, stability of each audit point must be demonstrated for at least five minutes.
- All auditing will be performed at approximately ambient pressure (utilizing a vent for excess during the audit procedure). There should be excess air flow at the probe at all times.
- All audits will be conducted “through the probe” where the probe is safely accessible.
- Chain-of-custody must be maintained at all times (monitor will be located in a locked enclosure when the operator is not present to prevent tampering).

2.2.1 Audit Procedure

Auditing will be conducted using the procedures summarized below, and in accordance with the EPA Standard Operating Procedure for Through-the-Probe Performance Evaluations of Ambient Air Quality Monitoring of Criteria Air Pollutants, and 40 CFR Part 50, APPENDIX C:

- Procedures detailed in the approved instrument manual will be used for installation, calibration, QA checks, maintenance, and repairs.

- The carbon monoxide analyzer will be verified using G1 or G2 certified tank gases before and after each audit or when a quality assurance (QA) check shows an out-of-control condition exists.

- A data telemetry system, with electronic strip charting capability will be operated to record the audit progress and each audit activity will be annotated on the chart. This will serve as a permanent record and diagnostic tool.

- Prior to the audit, the audit equipment, including the carbon monoxide analyzer and calibrator, will be allowed a warm up period of at least 6 hours. During this time, the system should be conditioned with approximately 200 ppb of ozone.

- The audit will consist of at least three consecutive levels where at least 80% of carbon monoxide measurements are expected to be at the monitoring site and a zero measurement. The prescribed audit levels are recorded in 40 CFR Part 58, Appendix A, 3.2.2.1.

- Audit data from the mobile laboratory and monitoring site will be recorded electronically on the NPAP Audit Worksheet. This worksheet, along with the electronic strip chart trace will be printed at the conclusion of each audit event. In addition, the NPAP Audit Worksheet will be copied and placed on the network drive for archival. A hard copy of the preliminary audit report and electronic strip chart will be provided to the site operator at the conclusion of the audit.

- After completion of the study, the mobile laboratory and equipment will be returned for inspection, maintenance, and repair. All field documentation will be retained by the Air Monitoring Staff.

2.3 Sampling of Particulate Matter in Ambient Air as $PM_{2.5}$ in the $PM_{2.5}$ Performance Evaluation Program

The following is a synopsis of procedures which should be strictly adhered to for filter based sampling of PM2.5 in air. The procedures below are a summarized version of the procedure described in the September 2006 Revised Quality Assurance Guidance Document, Method Compendium "Field Standard Operating Procedures for the $PM_{2.5}$ Performance Evaluation Program" which should be referenced for all low volume $PM_{2.5}$ sampling:

- Field personnel will take the filters, field data sheets, and COC to the monitoring site and setup the portable samplers.
- Air flow rate, barometric pressure, and two temperature measuring devices will be verified prior to each sampling event. All flow, barometric pressure and temperature standard devices are annually calibrated and traceable to a primary standard.
- An external leak check will be performed.
- The sampler will be programmed to operate and the sampling unit will be locked to prevent tampering.
- Within 8 to 16 hours following the sampling event the exposed filters will be collected, and transported refrigerated (≤ 4°C) to the SESD Filter Weighing Laboratory.
- Field personnel will return the exposed filter, data downloads, field data sheets, and COC to SESD keeping a set of the data records in two separate locations.
- After sample collection, all filters will be stored in petri-slides, boxed, and archived for one (1) year at ≤ 4°C and at least two (2) years at ambient room temperature ≤ 25°C.

2.4 Sampling of Particulate Matter in Ambient Air as PM_{10}

The following is a synopsis of procedures which should be strictly adhered to for the sampling of particulate matter as PM_{10} in air.

- All filters used will be supplied by the EPA National Filter Distribution Program, and of the same quality as supplied to the State and Local Agency Air Monitoring Stations.
- Prior to use, all filters will be checked for pinholes, and desiccated at 15°C - 30°C ± 3°C, and less than 50 ± 5 percent relative humidity, for at least 24 hours.

- Initial and final (exposed) filter weights will be determined by air monitoring personnel. One of ten filters will be re-weighed as a quality assurance check. For batches less than ten, one filter will be re-weighed. Weights of clean filters should be within 2.8mg of original values, and exposed filters should be within 5 mg.

- After sampling, filters will be desiccated as previously described.

- Chain-of-custody must be maintained for all samples (monitor will be locked when the operator is not present to prevent tampering).

2.4.1 Sample Collection Procedure

Particulate samples will be collected using the High Volume sampler as described, and operated in accordance with 40 CFR Part 50, Appendix J, and Red Book Sections 2.10, and 2.11.

- All flow calibration orifices will be traceable to a primary standard Rootsmeter. Flows will be corrected to EPA standard temperature and pressure (25°C and 760 mm Hg).

- Volumetric flow controllers will be used on all PM_{10} samplers. Flows will be determined using a calibrated orifice and a digital manometer.

2.5 Laboratory Filter Analysis of Particulate Matter in Ambient Air as $PM_{2.5}$ in the $PM_{2.5}$ Performance Evaluation Program

The following is a synopsis of procedures which should be strictly adhered to for filter based sampling of $PM_{2.5}$ in air. The procedures below are a summarized version of the procedure described in the Quality Assurance Guidance Document, Method Compendium "$PM_{2.5}$ Mass Weighing Laboratory Standard Operating Procedures for the Performance Evaluation Program" which should be referenced for all low volume $PM_{2.5}$ filter analysis.

- EPA OAQPS National Filter Distribution Program will send filters to the SESD $PM_{2.5}$ Filter Weighing Laboratory

- Upon introduction into the weighing laboratory process, each individual batch of filters will go through lot stability testing to determine a minimum equilibration time period.

- Prior to use the filters will be checked for deformities, equilibrated at 20 - 23°C ± 2°C and 30 - 40 % ± 5 % relative humidity for a minimum of 24 hours, labeled,

pre-weighed (auto-entry into database), loaded into cassettes, and prepared for packaging and shipping.

- During the pre-weighing session, the filter batch should pass 100µg and 200µg balance checks (+/- 3ug), two consecutive weightings demonstrating stability (+/- 5 ug), and provide an initial laboratory blank weighing.

- The SESD Filter Weighing Laboratory will ship the pre-weighed filters and chain-of- custody (COC) forms to the field personnel.

- Filters and COC forms for Region 4 are passed directly to the field scientists.

- After sampling, filters will be transported to the SESD Filter Weighing Laboratory, logged into the database, refrigerated until a batch is completed, moved to the laboratory, unloaded from the cassettes, equilibrated for at least 24 hours, and post-weighed. The filter refrigerator temperature will be monitored and recorded on a daily basis.

- During the post-weighing session, the filter batch should pass 100mg and 200mg balance checks (+/- 3ug), post batch stability check (+/- 15ug), and laboratory blank check (+/- 15ug).

- SESD will calculate the tare weight from the laboratory analyses and will calculate a concentration from the field data. All field data and laboratory data will be archived and backup data will be kept on the network.

Chain-of-custody and all accompanying field data must be maintained for all samples.

3 NON-CRITERIA POLLUTANT MONITORING FOR AIR POLLUTANTS FOR WHICH NATIONAL AMBIENT AIR QUALITY STANDARDS HAVE NOT BEEN ESTABLISHED.

3.1 Formaldehyde Sampling With Dinitrophenylhydrazine Cartridges Using Method TO-11A

The following is a synopsis of procedures which should be strictly adhered to for the handling and field use of dinitrophenylhydrazine (DNPH) cartridges for formaldehyde sampling. The following generic procedures should be adhered to at all times.

Summary of Sampling Method:

A glass cartridge using dinitrophenylhydrazine (DNPH) is placed in a special sampler and is equipped with pumps that withdraw a calibrated air volume for a specified time to capture formaldehyde and other carbonyl compounds. The cartridges are collected and shipped to the laboratory under controlled temperature.

- Quality Control requirements will be based on the method's DQO.
- A minimum of one trip blank shall be transported per one to ten samples collected. Instrument blanks, duplicated samples or co-located samples will be based on laboratory request.
- Chain of Custody shall be maintained for all samples.
- Polyethylene or latex gloves must be worn whenever handling any of the DNPH cartridges (in the extraction laboratory, during preparation for shipment, during field set-up, in the field during preparation for return shipment, and in the laboratory during preparation for analysis and during analysis).
- All padding material shall be either clean tissue paper or polyethylene-air bubble padding. Never use polyurethane foam, cardboard, or newspaper as padding material. DNPH cartridges which have been properly prepared for shipment should be shipped in coolers with eutectic salt packs (Blue Ice).

Due to shelf life limitations, only the number of DNPH cartridges needed for a maximum of 180 days (including trip blanks and extra DNPH cartridges for breakage) should be ordered at any one time.

- On the date of shipment or when loading out for a study, the Air Monitoring Staff will remove the capped DNPH cartridges from the refrigerator in the Air Laboratory.

- An appropriate amount of packing material shall be placed in the shipping container to prevent breakage of the glass DNPH tubes. The DNPH tubes should be shipped in coolers containing eutectic salt packs (e.g., Blue Ice) to maintain a temperature of approximately 4°C. The DNPH cartridges shall be shipped the same day they are packed.

- At each sampling location the cooler will be opened and one plugged DNPH cartridge will be removed (wearing clean polyethylene or latex gloves) and the two end plugs will be removed from each end of the DNPH cartridge which will be immediately placed on the sampling train. (If it is the SKC brand, the glass ends of the tubes must be broken off. A trip blank will be placed in a sampler enclosure at one of the sites for the duration of the sampling event.

- The sampler will be manually turned on and allowed to run for five minutes. An initial flowrate should be recorded on the sample data sheet. The timer should be set to turn the sampler on and off at the desired times.

- The operator should retrieve and secure the sample as soon as possible after the sampling period ends. The sampler should manually be turned on and allowed to run for five minutes and a final flowrate and the elapsed time from the time meter should be recorded on the sample data sheet. The exposed DNPH cartridge will then be removed from the sampling train (wearing clean polyethylene, latex or nylon gloves). The two end caps will be placed on the ends of the DNPH cartridge. The DNPH cartridge will be placed back into the cooler. The same procedure is to be followed at each sampling site.

- At the end of each day on which the samples are collected, the exposed DNPH cartridges shall be either placed in a refrigerator for storage overnight or stored in the cooler. The cooler will be used to transport the samples to the laboratory. The duration of the non-refrigerated period shall be kept to a minimum but absolutely not more than two days (including the sampling event).

- Upon arrival of the DNPH cartridges at the laboratory, the samples shall be stored in a refrigerator until extraction.

- Chain-of-custody and all accompanying field data must be maintained for all samples.

3.2 Volatile Organic Compounds (VOC) Sampling with SUMMA® Electropolished Stainless Steel Canisters or Silcosteel® Canisters Using Method TO-15A

The following is a synopsis of procedures which should be strictly adhered to for the cleanup and use of Summa® canisters for sampling air for Volatile Organic Compounds (VOC) analysis.

The following procedures must be followed in the preparation and use of Summa® canisters for collecting samples for VOC analysis:

- All new Summa®/Silcosteel® canisters must be individually checked for contamination by the laboratory before use. One of each batch of 10 Summa® canisters that are subsequently cleaned must be analyzed to check for contamination.

- All sampler tubing, fittings, and wetted parts of valves must be solvent washed in hexane and heated to >100° C. These parts should then be assembled and flushed with nitrogen[1] for at least 8 hours prior to use in the sample train or in the canister cleanup apparatus.

- Each canister's valve and fitting will be inspected for damage before cleaning. Any damaged valve will be replaced with a previously cleaned (see procedure above) valve. After replacing any valve, the canister will be cleaned and analyzed to verify that it is free of contamination.

- If any canister is used to sample a high concentration source, it must be cleaned and analyzed to verify it is free of contamination before it can be used again.

- Chain-of-custody must be maintained for all samples.

1. The nitrogen should be certified 99.999% pure by the manufacturer. A scrubber should be attached to the nitrogen line after the regulator to remove any trace impurities.

3.2.1 Sample Collection Procedure

Two types of VOC samples can be collected with Summa®/ Silcosteel® canisters. The canister can be opened and allowed to fill rapidly to obtain a grab sample or filled slowly by using a flow controller to collect a time integrated sample. With either type of sample, the following general procedures should be followed:

- A Chain-Of-Custody Record should be completed detailing time of sampling, sampling interval, and signed by the person collecting the sample.

- After the sample has been collected, the Summa®/Silcosteel® canister should be capped, an EPA pre-numbered tag should be completed and

attached to the canister, and the canister should be placed in a shipping container with a copy of the Chain-Of-Custody Record and sealed with EPA sample custody tape.

3.2.2 Grab Sample Collection Procedure

Before a grab sample is collected for VOC analysis in a Summa®/Silcosteel® canister, the canister inlet valve should be fitted with a pre-cleaned stainless steel particulate filter. At the sample collection location, the main valve should be opened and the canister allowed to fill. After about one minute (when no audible sound of rushing gas can be heard), the main valve of the Summa® canister should be closed and capped.

3.2.3 Time Integrated Sample Collection Procedure

This sample collection method involves the use of a flow controller or a sampler containing a flow controller to slowly meter the flow of air entering a Summa®/Silcosteel® canister. With this method, a sample is collected over a longer period of time than with a grab sample. If a constant flowrate was maintained, the resulting sample will have a VOC content that is the average of the VOC concentrations during the sampling interval. The following procedures should be followed to collect time integrated samples:

- Cleaning and Adjustment
  All sampler systems should be checked for contamination prior to use or after any major repair. This is accomplished by metering humidified zero air to the inlet of the sampler. Excess zero air should be vented with a Swagelok® tee from the sampler inlet to atmosphere. The evacuated canister should then be filled at the normal sampling rate with the zero gas and verified by the laboratory to be free from contamination.

- Sample Collection
  Prior to sampling the flow controller will be calibrated a mass flow meter. The flowrate should be adjusted so that at the end of the sampling interval the ending pressure of the canister is approximately 0.9 atm. The final canister vacuum should be between 5 inches and 1 inch of Hg. The final flowrate should be at least 1 scc/min.

After sample collection, all canisters should be tagged with an EPA pre-numbered tag with all of the information filled out. Place the canister in a shipping container and seal the container with EPA sample custody tape.

3.3 Sampling for Semi-Volatile Organic Compounds (SVOC) Analysis with High Volume PUF Samplers Using Methods TO-4A & TO-13A

The following is a synopsis of procedures which should be strictly adhered to for use of the High Volume Polyurethane Foam (PUF) sampling method for collecting samples for semi-volatile organic compound (SVOC) analysis including pesticides and polychlorinated biphenyls.
The following procedures must be followed during preparation of PUF sampling media when using the High Volume PUF method for collecting samples for SVOC analysis:

- All PUF sampling media should be pre-cleaned, loaded into High Volume PUF sample cartridges, and sealed in solvent washed cans by the extraction laboratory prior to use.

- Chain-of-custody shall be maintained for all samples.

3.3.1 PUF Cleaning Procedure

- The Air Monitoring Staff has responsibility for buying the PUF media and cutting the PUF plugs. PUF media should be specified as not containing any fire retardants. It should be stored in the dark to prevent photo-oxidation. It should be less than two years old, and should be stored in a pesticide-free environment.

- Care should be exercised in cutting the PUF. It should be thoroughly wet with tap water prior to cutting. A drill press and stainless steel PUF cutting die should be used. The drill press area should be free of oil and a polyethylene cutting block should be used to stop the die at the bottom of the drill press stroke (do not use wood). Water should be sprayed on the die to help prevent snagging as the PUF is cut. After the plugs are cut, they should be rinsed with tap water and followed by a rinse with analyte-free water. Finally, the excess water should be squeezed out.

- The PUF/XAD cartridges are assembled using a modified glass sleeve containing an extra-extra coarse frit to retain the XAD resin in the following manner. A 3/4-inch layer of XAD resin is poured on top of the

  frit followed by a 1~~-i~~nch PUF plug to retain the XAD resin.

- The assembled PUF/XAD cartridges are delivered to the extraction laboratory for cleaning and checking. The extraction laboratory will be given a minimum of three weeks notice for cleaning and checking the PUF/XAD cartridges. The cleaned PUF/XAD cartridges should be wrapped in aluminum foil and packed in pre cleaned metal cans or glass

jars cushioned by new polyethylene bubble wrap to prevent breakage during shipment. Prepared PUF/XAD sample cartridges that are pre-packed in solvent washed metal cans will be obtained from the extraction laboratory prior to sampling. The cans should be packed inside coolers frozen eutectic salt packs (Blue Ice) to maintain a temperature of less than 15EC.

3.3.2 Sample Collection Procedure

The following procedure will be followed for all High Volume PUF/XAD sampling.

- Powder-free latex gloves will be used when handling all PUF/XAD cartridges and quartz particulate pre-filters. Assure that the red silicon upper and lower gaskets, located in the cartridge housing, are in place. Then remove the PUF/XAD cartridge from the shipping container, remove from the foil and insert the cartridge into the High Volume sampler's chamber. The pre-filter should be installed in the filter holder using caution not to over tighten the fittings. The foil should be placed back in the shipping container. The container should be labeled with site ID, operator's name, and sample date, and placed in the High Volume sampler enclosure until the sample is collected.

- The High Volume sampler should be turned on and allowed to run for two minutes. An initial flowrate should be recorded on the sample data sheet. The timer should be set to turn the sampler on and off at the desired times.

- The operator should retrieve and secure the sample as soon as possible after the sampling period ends. The sampler should then be manually turned on and allowed to run for two minutes. A final flowrate should be recorded on the sample data sheet. The final flowrate should be at least 150 liters per minute. The PUF/XAD cartridge should be removed, and the quartz pre-filter folded and placed in the top of the PUF/XAD cartridge. The PUF/XAD cartridge and pre-filter should be re-wrapped in the original aluminum foil and placed back in the shipping container. The container should then be tightly sealed. Complete the sample data sheet and Chain-Of-Custody Record and seal the shipping container with a sample custody seal. Finally, the shipping container containing the sample should be placed in a cooler containing frozen eutectic salt packs (at a nominal temperature of ~ 15° C). When all samples are collected from all

sites, the cooler should be sealed with sample custody tape for transport back to the laboratory.

- Upon arrival of the metal container at the laboratory, the samples shall be stored in the metal container in a refrigerator until submitted for extraction.

3.4 Collecting Samples for Metals Analysis Using the High Volume Sampler

The following is a synopsis of procedures which should be strictly adhered to for the collection of samples for metals analysis in air using the High Volume sampler:

- All quartz filters used will be supplied by the EPA National Filter Distribution Program, and of the same quality as supplied to the State and Local Agency Air Monitoring Stations.

- Prior to use, all filters will be checked for pinholes, and desiccated at 15°C - 30°C, ± 3°C, and less than 50 percent relative humidity, ± 5 percent, for at least 24 hours.

- A filter field blank will be taken to the field, but not exposed. Filter field blanks will be analyzed by the laboratory to determine the concentration of metals contained in the filter matrix. The number of filter blanks will be determined based on a minimum of one blank for each ten samples collected.

- Chain-of-custody must be maintained for all samples.

3.4.1 Sample Collection Procedure

Samples will be collected using the High Volume sampler as described, and operated in accordance with 40 CFR, PART 50, APPENDIX B:

- All flow calibration orifices will be traceable to a Primary Standard Rootsmeter. Flows will be corrected to EPA standard temperature and pressure (25°C and 760 mm Hg).

- Digital manometers used to determine flow rates will calibrated by the factory annually.

- Air Monitoring Staff personnel will remove a 2-inch strip of the exposed filter from one end and discard it. Two 1-inch strips will be cut from the same end and transported to the laboratory for analysis.

3.4.2 Integrated Sample Collection Procedure

The following procedure should be followed to collect time integrated samples:

- Initial and final flow rates will be determined with a calibrated orifice and a digital manometer.

- After the sample has been collected, the filter will be folded lengthwise and placed in a filter holder. The filter holder is then placed in an envelope and the envelope sealed.

- A Chain-Of-Custody Record should be completed which contains the time of sampling, the sampling interval, and the signature of the person taking the sample.

After sample collection, all sample envelopes will be placed in an appropriate container. An EPA custody seal will be placed on the container. Filters will be cut by the Air Monitoring Staff and transported to the laboratory for analysis.

3.5 Sampling for Dioxin and Dibenzofuran Analyses with High Volume PUF Samplers Using Method TO-9A

3.5.1 General Information

The following is a synopsis of procedures which should be strictly adhered to for use of the High Volume Polyurethane Foam (PUF) sampling method for collecting samples for polychlorinated dibenzo-p-dioxins and dibenzofurans analyses.

Since this method requires High-Resolution Mass Spectrometry which the Region 4 laboratory does not have, all sample media preparation and analysis will have to be contracted. At least one month's notice prior to sampling should be given to obtain a contract laboratory for any dioxin and dibenzofuran analysis. It is important that the contract specify a number of details to assure accurate results:

- All of the PUF media and a representative number of each batch of quartz pre-filters should be checked by the contract laboratory to assure that there is no contamination. Each PUF plug should be pre-spiked by the contract laboratory with dioxin and dibenzofuran surrogates as a check of the accuracy of the method.

- Each set of PUF plugs and quartz filters should be securely packed in sealed containers and in coolers to prevent damage during shipment. The sampling media should be shipped air freight to minimize the time between cleanup and sampling.

- Chain-of-custody shall be maintained for all samples.

3.5.2 Sample Collection Procedure

The following procedure will be followed for the collection of all High Volume PUF samples for dioxins and dibenzofurans analyses.

Latex gloves will be used when handling all PUF cartridges and quartz particulate pre-filters. Assure that the red silicon upper and lower gaskets are in place in the PUF cartridge housing. Remove the PUF cartridge from the shipping can. Unwrap and insert the PUF cartridge into the High Volume (Hi-Vol) PUF sampler's chamber. Install the pre-filter in the filter holder using caution not to over-tighten the fittings. The removed aluminum foil should be placed in the shipping container which then should be resealed. The container should be labeled with the site ID, the operator's name, and the sample date, and placed in the Hi-Vol PUF sampler enclosure until the sample is collected. The Hi-Vol PUF sampler should be turned on and allowed to run for two minutes. An initial flowrate should be recorded on the sample data sheet. The timer should be set to turn the sampler on and off at the desired times.

The operator should retrieve and secure the sample as soon as possible after the sampling period ends. The sampler should then be manually turned on and allowed to run for two minutes and a final flowrate recorded on the sample data sheet. The final flowrate should be at least 150 liters/minute. The PUF cartridge should be removed, and the quartz pre-filter folded and placed in the top of the PUF cartridge. The PUF cartridge and pre-filter should be re-wrapped in the original aluminum foil and placed back in the shipping container and the container should be tightly sealed. Complete the sample data and sample custody sheets. Each shipping container should have a sample custody seal. Finally, the shipping container containing the sample should be placed in a cooler containing frozen eutectic salt packs (at a nominal temperature of $\sim 4^{o}C$). When all samples are collected from all sites, the cooler should be sealed with sample custody tape for shipment to the contract laboratory.

Upon arrival of the metal container at the contract laboratory, the samples shall be stored in the metal container in a refrigerator until submitted for extraction.

ATTACHMENT 4

Laboratory Analysis and Validation

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC	Date Received:	June 17, 2024 12:21
	114 Edinburgh S Dr #200	Date Issued:	July 1, 2024 15:01
	Cary, NC 27511	Project Number:	519073
Submitted To:	Phillip Pressley	Purchase Order:	
Client Site I.D.:	805 Court St		

Enclosed are the results of analyses for samples received by the laboratory on 06/17/2024 12:21. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

Ginny Thrasher

Ginny Thrasher

Project Manager

End Notes:

The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

This report shall not be reproduced except in full without the expressed and written approval of an authorized representative of Enthalpy Analytical, Inc.

TNI Accredited
VELAP ID 460021

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

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Submitted To:	Phillip Pressley	Purchase Order:	
Client Site I.D.:	805 Court St		

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
IAQ-1	24F0969-01	Air	06/13/2024 16:23	06/17/2024 12:21
IAQ-2	24F0969-02	Air	06/13/2024 16:22	06/17/2024 12:21
IAQ-3	24F0969-03	Air	06/13/2024 16:26	06/17/2024 12:21
IAQ-4	24F0969-04	Air	06/13/2024 16:51	06/17/2024 12:21
IAQ-5	24F0969-05	Air	06/13/2024 15:41	06/17/2024 12:21
IAQ-6	24F0969-06	Air	06/13/2024 16:45	06/17/2024 12:21
IAQ-7	24F0969-07	Air	06/13/2024 16:45	06/17/2024 12:21
IAQ-DUP	24F0969-08	Air	06/13/2024 16:51	06/17/2024 12:21
IAQ-AMB	24F0969-09	Air	06/13/2024 16:56	06/17/2024 12:21
IAQ-MS	24F0969-10	Air	06/13/2024 16:26	06/17/2024 12:21
IAQ-MSD	24F0969-11	Air	06/13/2024 15:30	06/17/2024 12:21

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-1 Project Location:

Sample ID: 24F0969-01 Canister ID: 063-00828::49502 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 3

Sampled: 6/13/2024 16:23 Flow Controller ID: 063-00458::16061 Receipt Vacuum(in Hg): 3.4

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 11:24	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 11:24	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 11:24	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 11:24	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 11:24	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 11:24	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 11:24	DFH
1,2,4-Trimethylbenzene	0.20	0.20	0.50	J	0.98	0.98	2.5	1	1	6/24/24 11:24	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 11:24	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 11:24	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 11:24	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 11:24	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 11:24	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 11:24	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 11:24	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 11:24	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 11:24	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 11:24	DFH
2-Butanone (MEK)	4.00	0.20	0.50		12	0.59	1.5	1	1	6/24/24 11:24	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 11:24	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 11:24	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 11:24	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 11:24	DFH
Benzene	0.28	0.20	0.50	J	0.89	0.64	1.6	1	1	6/24/24 11:24	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 11:24	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 11:24	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 11:24	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 11:24	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 11:24	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-1 Project Location:

Sample ID: 24F0969-01 Canister ID: 063-00828::49502 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 3

Sampled: 6/13/2024 16:23 Flow Controller ID: 063-00458::16061 Receipt Vacuum(in Hg): 3.4

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 11:24	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 11:24	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 11:24	DFH
Chloromethane	0.27	0.20	0.50	J	0.56	0.41	1.0	1	1	6/24/24 11:24	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 11:24	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 11:24	DFH
Cyclohexane	0.35	0.20	0.50	J	1.2	0.69	1.7	1	1	6/24/24 11:24	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 11:24	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 11:24	DFH
Ethyl acetate	1.76	0.20	0.50		6.3	0.72	1.8	1	1	6/24/24 11:24	DFH
Ethylbenzene	0.83	0.20	0.50		3.6	0.87	2.2	1	1	6/24/24 11:24	DFH
Heptane	0.61	0.20	0.50		2.5	0.82	2.0	1	1	6/24/24 11:24	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 11:24	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 11:24	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 11:24	DFH
m+p-Xylenes	1.96	0.40	1.00		8.5	1.7	4.3	1	1	6/24/24 11:24	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 11:24	DFH
Methylene chloride	0.68	0.50	1.00	J	2.4	1.7	3.5	1	1	6/24/24 11:24	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 11:24	DFH
Naphthalene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 11:24	DFH
o-Xylene	0.56	0.20	0.50		2.4	0.87	2.2	1	1	6/24/24 11:24	DFH
Propylene	2.35	1.00	1.00		4.0	1.7	1.7	1	1	6/24/24 11:24	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 11:24	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 11:24	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 11:24	DFH
Tetrahydrofuran	1.13	0.20	0.50		3.3	0.59	1.5	1	1	6/24/24 11:24	DFH
Toluene	4.18	0.20	0.50		16	0.75	1.9	1	1	6/24/24 11:24	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 11:24	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 11:24	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-1 Project Location:

Sample ID: 24F0969-01 Canister ID: 063-00828::49502 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 3

Sampled: 6/13/2024 16:23 Flow Controller ID: 063-00458::16061 Receipt Vacuum(in Hg): 3.4

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 11:24	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 11:24	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 11:24	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 11:24	DFH
Vinyl chloride	0.22	0.20	0.50	J	0.56	0.51	1.3	1	1	6/24/24 11:24	DFH
Xylenes, Total	2.52	0.60	1.50		11	2.6	6.5	1	1	6/24/24 11:24	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	105	80-120	6/24/24 11:24

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-2

Project Location:

Sample ID: 24F0969-02
Sample Matrix: Air
Sampled: 6/13/2024 16:22
Sample Type: AA

Canister ID: 063-00792::49506
Canister Size: 6
Flow Controller ID: 063-00358::16688
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 3
Receipt Vacuum(in Hg): 3.4

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 12:26	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 12:26	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 12:26	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 12:26	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 12:26	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 12:26	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 12:26	DFH
1,2,4-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 12:26	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 12:26	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 12:26	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 12:26	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 12:26	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 12:26	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 12:26	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 12:26	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 12:26	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 12:26	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 12:26	DFH
2-Butanone (MEK)	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 12:26	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 12:26	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 12:26	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 12:26	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 12:26	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 12:26	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 12:26	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 12:26	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 12:26	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 12:26	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 12:26	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-2 Project Location:

Sample ID: 24F0969-02 Canister ID: 063-00792::49506 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 3

Sampled: 6/13/2024 16:22 Flow Controller ID: 063-00358::16688 Receipt Vacuum(in Hg): 3.4

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 12:26	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 12:26	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 12:26	DFH
Chloromethane	0.26	0.20	0.50	J	0.54	0.41	1.0	1	1	6/24/24 12:26	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 12:26	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 12:26	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 12:26	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 12:26	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 12:26	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 12:26	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 12:26	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 12:26	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 12:26	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 12:26	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 12:26	DFH
m+p-Xylenes	ND	0.40	1.00		ND	1.7	4.3	1	1	6/24/24 12:26	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 12:26	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 12:26	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 12:26	DFH
Naphthalene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 12:26	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 12:26	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 12:26	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 12:26	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 12:26	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 12:26	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 12:26	DFH
Toluene	0.56	0.20	0.50		2.1	0.75	1.9	1	1	6/24/24 12:26	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 12:26	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 12:26	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-2 Project Location:

Sample ID: 24F0969-02 Canister ID: 063-00792::49506 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 3

Sampled: 6/13/2024 16:22 Flow Controller ID: 063-00358::16688 Receipt Vacuum(in Hg): 3.4

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 12:26	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 12:26	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 12:26	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 12:26	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 12:26	DFH
Xylenes, Total	ND	0.60	1.50		ND	2.6	6.5	1	1	6/24/24 12:26	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	98.6	80-120	6/24/24 12:26

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Final Report

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Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-3 Project Location:

Sample ID: 24F0969-03 Canister ID: 063-00825::49516 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 2

Sampled: 6/13/2024 16:26 Flow Controller ID: 063-00810::20116 Receipt Vacuum(in Hg): 5.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	Results	MDL	LOQ	Flag/Qual	Results	MDL	LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 13:18	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 13:18	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 13:18	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 13:18	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 13:18	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 13:18	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 13:18	DFH
1,2,4-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 13:18	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 13:18	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 13:18	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 13:18	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 13:18	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 13:18	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 13:18	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 13:18	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 13:18	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 13:18	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 13:18	DFH
2-Butanone (MEK)	0.28	0.20	0.50	J	0.83	0.59	1.5	1	1	6/24/24 13:18	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 13:18	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 13:18	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 13:18	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 13:18	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 13:18	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 13:18	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 13:18	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 13:18	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 13:18	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 13:18	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-3 Project Location:

Sample ID: 24F0969-03 Canister ID: 063-00825::49516 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 2

Sampled: 6/13/2024 16:26 Flow Controller ID: 063-00810::20116 Receipt Vacuum(in Hg): 5.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 13:18	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 13:18	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 13:18	DFH
Chloromethane	0.26	0.20	0.50	J	0.54	0.41	1.0	1	1	6/24/24 13:18	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 13:18	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 13:18	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 13:18	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 13:18	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 13:18	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 13:18	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 13:18	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 13:18	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 13:18	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 13:18	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 13:18	DFH
m+p-Xylenes	ND	0.40	1.00		ND	1.7	4.3	1	1	6/24/24 13:18	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 13:18	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 13:18	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 13:18	DFH
Naphthalene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 13:18	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 13:18	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 13:18	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 13:18	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 13:18	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 13:18	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 13:18	DFH
Toluene	1.37	0.20	0.50		5.2	0.75	1.9	1	1	6/24/24 13:18	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 13:18	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 13:18	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-3 Project Location:

Sample ID: 24F0969-03
Sample Matrix: Air
Sampled: 6/13/2024 16:26
Sample Type: AA

Canister ID: 063-00825::49516
Canister Size: 6
Flow Controller ID: 063-00810::20116
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 2
Receipt Vacuum(in Hg): 5.2

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 13:18	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 13:18	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 13:18	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 13:18	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 13:18	DFH
Xylenes, Total	ND	0.60	1.50		ND	2.6	6.5	1	1	6/24/24 13:18	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	98.0	80-120	6/24/24 13:18

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Final Report

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-4 Project Location:

Sample ID: 24F0969-04 Canister ID: 063-00013::31333 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 5

Sampled: 6/13/2024 16:51 Flow Controller ID: 063-00342::16522 Receipt Vacuum(in Hg): 5.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 14:11	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 14:11	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 14:11	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 14:11	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 14:11	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 14:11	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 14:11	DFH
1,2,4-Trimethylbenzene	0.29	0.20	0.50	J	1.4	0.98	2.5	1	1	6/24/24 14:11	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 14:11	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 14:11	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 14:11	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 14:11	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 14:11	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 14:11	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 14:11	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 14:11	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 14:11	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 14:11	DFH
2-Butanone (MEK)	0.48	0.20	0.50	J	1.4	0.59	1.5	1	1	6/24/24 14:11	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 14:11	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 14:11	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 14:11	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 14:11	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 14:11	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 14:11	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 14:11	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 14:11	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 14:11	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 14:11	DFH

ENTHALPY ANALYTICAL

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-4 Project Location:

Sample ID: 24F0969-04 Canister ID: 063-00013::31333 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 5

Sampled: 6/13/2024 16:51 Flow Controller ID: 063-00342::16522 Receipt Vacuum(in Hg): 5.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	Results	MDL	LOQ	Flag/Qual	Results	MDL	LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 14:11	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 14:11	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 14:11	DFH
Chloromethane	0.34	0.20	0.50	J	0.70	0.41	1.0	1	1	6/24/24 14:11	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 14:11	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 14:11	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 14:11	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 14:11	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 14:11	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 14:11	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 14:11	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 14:11	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 14:11	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 14:11	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 14:11	DFH
m+p-Xylenes	0.55	0.40	1.00	J	2.4	1.7	4.3	1	1	6/24/24 14:11	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 14:11	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 14:11	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 14:11	DFH
Naphthalene	0.71	0.20	0.50		3.7	1.0	2.6	1	1	6/24/24 14:11	DFH
o-Xylene	0.23	0.20	0.50	J	1.00	0.87	2.2	1	1	6/24/24 14:11	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 14:11	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 14:11	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 14:11	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 14:11	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 14:11	DFH
Toluene	1.43	0.20	0.50		5.4	0.75	1.9	1	1	6/24/24 14:11	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 14:11	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 14:11	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-4

Project Location:

Sample ID: 24F0969-04
Sample Matrix: Air
Sampled: 6/13/2024 16:51
Sample Type: AA

Canister ID: 063-00013::31333
Canister Size: 6
Flow Controller ID: 063-00342::16522
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 5
Receipt Vacuum(in Hg): 5.8

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 14:11	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 14:11	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 14:11	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 14:11	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 14:11	DFH
Xylenes, Total	0.78	0.60	1.50	J	3.4	2.6	6.5	1	1	6/24/24 14:11	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	101	80-120	6/24/24 14:11

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-5 Project Location:

Sample ID: 24F0969-05 Canister ID: 063-00777::47526 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 15:41 Flow Controller ID: 063-00456::10115 Receipt Vacuum(in Hg): 6.0

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 15:04	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 15:04	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 15:04	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 15:04	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 15:04	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 15:04	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 15:04	DFH
1,2,4-Trimethylbenzene	0.34	0.20	0.50	J	1.7	0.98	2.5	1	1	6/24/24 15:04	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 15:04	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 15:04	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 15:04	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 15:04	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 15:04	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 15:04	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 15:04	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 15:04	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 15:04	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 15:04	DFH
2-Butanone (MEK)	1.74	0.20	0.50		5.1	0.59	1.5	1	1	6/24/24 15:04	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 15:04	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 15:04	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 15:04	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 15:04	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 15:04	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 15:04	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 15:04	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 15:04	DFH
Carbon Disulfide	4.56	0.50	0.50		14	1.6	1.6	1	1	6/24/24 15:04	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 15:04	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-5 Project Location:

Sample ID: 24F0969-05 Canister ID: 063-00777::47526 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 15:41 Flow Controller ID: 063-00456::10115 Receipt Vacuum(in Hg): 6.0

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 15:04	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 15:04	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 15:04	DFH
Chloromethane	0.31	0.20	0.50	J	0.64	0.41	1.0	1	1	6/24/24 15:04	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 15:04	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 15:04	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 15:04	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 15:04	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 15:04	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 15:04	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 15:04	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 15:04	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 15:04	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 15:04	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 15:04	DFH
m+p-Xylenes	0.44	0.40	1.00	J	1.9	1.7	4.3	1	1	6/24/24 15:04	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 15:04	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 15:04	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 15:04	DFH
Naphthalene	0.63	0.20	0.50		3.3	1.0	2.6	1	1	6/24/24 15:04	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 15:04	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 15:04	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 15:04	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 15:04	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 15:04	DFH
Tetrahydrofuran	0.20	0.20	0.50	J	0.59	0.59	1.5	1	1	6/24/24 15:04	DFH
Toluene	5.98	0.20	0.50		23	0.75	1.9	1	1	6/24/24 15:04	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 15:04	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 15:04	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-5 Project Location:

Sample ID: 24F0969-05 Canister ID: 063-00777::47526 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 15:41 Flow Controller ID: 063-00456::10115 Receipt Vacuum(in Hg): 6.0

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 15:04	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 15:04	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 15:04	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 15:04	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 15:04	DFH
Xylenes, Total	0.60	0.60	1.50	J	2.6	2.6	6.5	1	1	6/24/24 15:04	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	107	80-120	6/24/24 15:04

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-6 Project Location:

Sample ID: 24F0969-06 Canister ID: 063-00643::47532 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 16:45 Flow Controller ID: 063-00389::10522 Receipt Vacuum(in Hg): 5.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	Results	MDL	LOQ	Flag/Qual	Results	MDL	LOQ	Dilution	PF	Date/Time Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 15:57	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 15:57	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 15:57	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 15:57	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 15:57	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 15:57	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 15:57	DFH
1,2,4-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 15:57	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 15:57	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 15:57	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 15:57	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 15:57	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 15:57	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 15:57	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 15:57	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 15:57	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 15:57	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 15:57	DFH
2-Butanone (MEK)	0.44	0.20	0.50	J	1.3	0.59	1.5	1	1	6/24/24 15:57	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 15:57	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 15:57	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 15:57	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 15:57	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 15:57	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 15:57	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 15:57	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 15:57	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 15:57	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 15:57	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-6 Project Location:

Sample ID: 24F0969-06 Canister ID: 063-00643::47532 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 16:45 Flow Controller ID: 063-00389::10522 Receipt Vacuum(in Hg): 5.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 15:57	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 15:57	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 15:57	DFH
Chloromethane	0.31	0.20	0.50	J	0.64	0.41	1.0	1	1	6/24/24 15:57	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 15:57	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 15:57	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 15:57	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 15:57	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 15:57	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 15:57	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 15:57	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 15:57	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 15:57	DFH
Hexane	0.42	0.20	0.50	J	1.5	0.70	1.8	1	1	6/24/24 15:57	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 15:57	DFH
m+p-Xylenes	ND	0.40	1.00		ND	1.7	4.3	1	1	6/24/24 15:57	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 15:57	DFH
Methylene chloride	2.38	0.50	1.00		8.3	1.7	3.5	1	1	6/24/24 15:57	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 15:57	DFH
Naphthalene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 15:57	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 15:57	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 15:57	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 15:57	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 15:57	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 15:57	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 15:57	DFH
Toluene	0.67	0.20	0.50		2.5	0.75	1.9	1	1	6/24/24 15:57	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 15:57	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 15:57	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-6 Project Location:

Sample ID: 24F0969-06 Canister ID: 063-00643::47532 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 16:45 Flow Controller ID: 063-00389::10522 Receipt Vacuum(in Hg): 5.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 15:57	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 15:57	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 15:57	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 15:57	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 15:57	DFH
Xylenes, Total	ND	0.60	1.50		ND	2.6	6.5	1	1	6/24/24 15:57	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	101	80-120	6/24/24 15:57

ENTHALPY ANALYTICAL

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-7 Project Location:

Sample ID: 24F0969-07 Canister ID: 063-00683::47667 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4.5

Sampled: 6/13/2024 16:45 Flow Controller ID: 063-00404::10523 Receipt Vacuum(in Hg): 5.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 16:50	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 16:50	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 16:50	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 16:50	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 16:50	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 16:50	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 16:50	DFH
1,2,4-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 16:50	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 16:50	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 16:50	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 16:50	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 16:50	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 16:50	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 16:50	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 16:50	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 16:50	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 16:50	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 16:50	DFH
2-Butanone (MEK)	0.25	0.20	0.50	J	0.74	0.59	1.5	1	1	6/24/24 16:50	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 16:50	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 16:50	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 16:50	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 16:50	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 16:50	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 16:50	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 16:50	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 16:50	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 16:50	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 16:50	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-7 Project Location:

Sample ID: 24F0969-07 Canister ID: 063-00683::47667 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4.5

Sampled: 6/13/2024 16:45 Flow Controller ID: 063-00404::10523 Receipt Vacuum(in Hg): 5.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 16:50	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 16:50	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 16:50	DFH
Chloromethane	0.25	0.20	0.50	J	0.52	0.41	1.0	1	1	6/24/24 16:50	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 16:50	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 16:50	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 16:50	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 16:50	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 16:50	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 16:50	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 16:50	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 16:50	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 16:50	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 16:50	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 16:50	DFH
m+p-Xylenes	ND	0.40	1.00		ND	1.7	4.3	1	1	6/24/24 16:50	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 16:50	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 16:50	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 16:50	DFH
Naphthalene	0.58	0.20	0.50		3.0	1.0	2.6	1	1	6/24/24 16:50	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 16:50	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 16:50	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 16:50	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 16:50	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 16:50	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 16:50	DFH
Toluene	1.25	0.20	0.50		4.7	0.75	1.9	1	1	6/24/24 16:50	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 16:50	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 16:50	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-7 Project Location:

Sample ID: 24F0969-07 Canister ID: 063-00683::47667 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4.5

Sampled: 6/13/2024 16:45 Flow Controller ID: 063-00404::10523 Receipt Vacuum(in Hg): 5.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 16:50	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 16:50	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 16:50	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 16:50	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 16:50	DFH
Xylenes, Total	ND	0.60	1.50		ND	2.6	6.5	1	1	6/24/24 16:50	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	101	80-120	6/24/24 16:50

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-DUP Project Location:

Sample ID: 24F0969-08 Canister ID: 063-00837::48087 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 16:51 Flow Controller ID: 063-00441::10531 Receipt Vacuum(in Hg): 5.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 18:33	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 18:33	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 18:33	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 18:33	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 18:33	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 18:33	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 18:33	DFH
1,2,4-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 18:33	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 18:33	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 18:33	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 18:33	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 18:33	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 18:33	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 18:33	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 18:33	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 18:33	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 18:33	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 18:33	DFH
2-Butanone (MEK)	0.28	0.20	0.50	J	0.83	0.59	1.5	1	1	6/24/24 18:33	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 18:33	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 18:33	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 18:33	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 18:33	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 18:33	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 18:33	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 18:33	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 18:33	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 18:33	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 18:33	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-DUP Project Location:

Sample ID: 24F0969-08 Canister ID: 063-00837::48087 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 16:51 Flow Controller ID: 063-00441::10531 Receipt Vacuum(in Hg): 5.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	Results	MDL	LOQ	Flag/Qual	Results	MDL	LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 18:33	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 18:33	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 18:33	DFH
Chloromethane	0.31	0.20	0.50	J	0.64	0.41	1.0	1	1	6/24/24 18:33	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 18:33	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 18:33	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 18:33	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 18:33	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 18:33	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 18:33	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 18:33	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 18:33	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 18:33	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 18:33	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 18:33	DFH
m+p-Xylenes	ND	0.40	1.00		ND	1.7	4.3	1	1	6/24/24 18:33	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 18:33	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 18:33	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 18:33	DFH
Naphthalene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 18:33	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 18:33	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 18:33	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 18:33	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 18:33	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 18:33	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 18:33	DFH
Toluene	1.32	0.20	0.50		5.0	0.75	1.9	1	1	6/24/24 18:33	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 18:33	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 18:33	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-DUP Project Location:

Sample ID: 24F0969-08
Sample Matrix: Air
Sampled: 6/13/2024 16:51
Sample Type: AA

Canister ID: 063-00837::48087
Canister Size: 6
Flow Controller ID: 063-00441::10531
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 4
Receipt Vacuum(in Hg): 5.2

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 18:33	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 18:33	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 18:33	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 18:33	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 18:33	DFH
Xylenes, Total	ND	0.60	1.50		ND	2.6	6.5	1	1	6/24/24 18:33	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	102	80-120	6/24/24 18:33

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-AMB Project Location:

Sample ID: 24F0969-09 Canister ID: 063-00691::48089 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 16:56 Flow Controller ID: 063-00517::13292 Receipt Vacuum(in Hg): 7.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 19:26	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 19:26	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 19:26	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 19:26	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 19:26	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 19:26	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 19:26	DFH
1,2,4-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 19:26	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 19:26	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 19:26	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 19:26	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 19:26	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 19:26	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 19:26	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 19:26	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 19:26	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 19:26	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 19:26	DFH
2-Butanone (MEK)	0.35	0.20	0.50	J	1.0	0.59	1.5	1	1	6/24/24 19:26	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 19:26	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 19:26	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 19:26	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 19:26	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 19:26	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 19:26	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 19:26	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 19:26	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 19:26	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 19:26	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-AMB Project Location:

Sample ID: 24F0969-09
Sample Matrix: Air
Sampled: 6/13/2024 16:56
Sample Type: AA

Canister ID: 063-00691::48089
Canister Size: 6
Flow Controller ID: 063-00517::13292
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 4
Receipt Vacuum(in Hg): 7.2

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 19:26	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 19:26	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 19:26	DFH
Chloromethane	0.30	0.20	0.50	J	0.62	0.41	1.0	1	1	6/24/24 19:26	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 19:26	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 19:26	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 19:26	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 19:26	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 19:26	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 19:26	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 19:26	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 19:26	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 19:26	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 19:26	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 19:26	DFH
m+p-Xylenes	ND	0.40	1.00		ND	1.7	4.3	1	1	6/24/24 19:26	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 19:26	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 19:26	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 19:26	DFH
Naphthalene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 19:26	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 19:26	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 19:26	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 19:26	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 19:26	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 19:26	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 19:26	DFH
Toluene	ND	0.20	0.50		ND	0.75	1.9	1	1	6/24/24 19:26	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 19:26	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 19:26	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-AMB Project Location:

Sample ID: 24F0969-09 Canister ID: 063-00691::48089 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 16:56 Flow Controller ID: 063-00517::13292 Receipt Vacuum(in Hg): 7.2

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 19:26	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 19:26	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 19:26	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 19:26	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 19:26	DFH
Xylenes, Total	ND	0.60	1.50		ND	2.6	6.5	1	1	6/24/24 19:26	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	102	80-120	6/24/24 19:26

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-MS Project Location:

Sample ID: 24F0969-10 Canister ID: 063-00839::48092 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 3

Sampled: 6/13/2024 16:26 Flow Controller ID: 063-00447::14095 Receipt Vacuum(in Hg): 4.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 20:19	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 20:19	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 20:19	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 20:19	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 20:19	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 20:19	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 20:19	DFH
1,2,4-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 20:19	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 20:19	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 20:19	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 20:19	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 20:19	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 20:19	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 20:19	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 20:19	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 20:19	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 20:19	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 20:19	DFH
2-Butanone (MEK)	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 20:19	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 20:19	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 20:19	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 20:19	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 20:19	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 20:19	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 20:19	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 20:19	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 20:19	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 20:19	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 20:19	DFH

ENTHALPY ANALYTICAL

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-MS Project Location:

Sample ID: 24F0969-10 Canister ID: 063-00839::48092 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 3

Sampled: 6/13/2024 16:26 Flow Controller ID: 063-00447::14095 Receipt Vacuum(in Hg): 4.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 20:19	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 20:19	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 20:19	DFH
Chloromethane	0.29	0.20	0.50	J	0.60	0.41	1.0	1	1	6/24/24 20:19	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 20:19	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 20:19	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 20:19	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 20:19	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 20:19	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 20:19	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 20:19	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 20:19	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 20:19	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 20:19	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 20:19	DFH
m+p-Xylenes	ND	0.40	1.00		ND	1.7	4.3	1	1	6/24/24 20:19	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 20:19	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 20:19	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 20:19	DFH
Naphthalene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 20:19	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 20:19	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 20:19	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 20:19	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 20:19	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 20:19	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 20:19	DFH
Toluene	1.17	0.20	0.50		4.4	0.75	1.9	1	1	6/24/24 20:19	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 20:19	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 20:19	DFH

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-MS Project Location:

Sample ID: 24F0969-10 Canister ID: 063-00839::48092 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 3

Sampled: 6/13/2024 16:26 Flow Controller ID: 063-00447::14095 Receipt Vacuum(in Hg): 4.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 20:19	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 20:19	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 20:19	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 20:19	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 20:19	DFH
Xylenes, Total	ND	0.60	1.50		ND	2.6	6.5	1	1	6/24/24 20:19	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	100	80-120	6/24/24 20:19

ENTHALPY ANALYTICAL

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Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-MSD Project Location:

Sample ID: 24F0969-11 Canister ID: 063-00871::49334 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 15:30 Flow Controller ID: 063-00359::16671 Receipt Vacuum(in Hg): 5.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	**Results**	**MDL**	**LOQ**	**Flag/Qual**	**Results**	**MDL**	**LOQ**	**Dilution**	**PF**	**Date/Time Analyzed**	**Analyst**
1,1,1-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 21:12	DFH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 21:12	DFH
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 21:12	DFH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 21:12	DFH
1,1,2-Trichloroethane	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 21:12	DFH
1,1-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 21:12	DFH
1,1-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 21:12	DFH
1,2,4-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 21:12	DFH
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ND	1.5	3.8	1	1	6/24/24 21:12	DFH
1,2-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 21:12	DFH
1,2-Dichloroethane	ND	0.20	0.50		ND	0.81	2.0	1	1	6/24/24 21:12	DFH
1,2-Dichloropropane	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 21:12	DFH
1,2-Dichlorotetrafluoroethane	ND	0.20	0.50		ND	1.4	3.5	1	1	6/24/24 21:12	DFH
1,3,5-Trimethylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 21:12	DFH
1,3-Butadiene	ND	0.20	0.50		ND	0.44	1.1	1	1	6/24/24 21:12	DFH
1,3-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 21:12	DFH
1,4-Dichlorobenzene	ND	0.20	0.50		ND	1.2	3.0	1	1	6/24/24 21:12	DFH
1,4-Dioxane	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 21:12	DFH
2-Butanone (MEK)	0.28	0.20	0.50	J	0.83	0.59	1.5	1	1	6/24/24 21:12	DFH
2-Chlorotoluene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 21:12	DFH
2-Hexanone (MBK)	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 21:12	DFH
4-Methyl-2-pentanone (MIBK)	ND	0.20	0.50		ND	2.3	5.7	1	1	6/24/24 21:12	DFH
Allyl chloride	ND	0.20	0.50		ND	0.63	1.6	1	1	6/24/24 21:12	DFH
Benzene	ND	0.20	0.50		ND	0.64	1.6	1	1	6/24/24 21:12	DFH
Benzyl Chloride	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 21:12	DFH
Bromoform	ND	0.20	0.50		ND	2.1	5.2	1	1	6/24/24 21:12	DFH
Bromomethane	ND	0.20	0.50		ND	0.78	1.9	1	1	6/24/24 21:12	DFH
Carbon Disulfide	ND	0.50	0.50		ND	1.6	1.6	1	1	6/24/24 21:12	DFH
Carbon Tetrachloride	ND	0.20	0.50		ND	1.3	3.1	1	1	6/24/24 21:12	DFH

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-MSD Project Location:

Sample ID: 24F0969-11 Canister ID: 063-00871::49334 Initial Vacuum(in Hg): 30

Sample Matrix: Air Canister Size: 6 Final Vacuum(in Hg): 4

Sampled: 6/13/2024 15:30 Flow Controller ID: 063-00359::16671 Receipt Vacuum(in Hg): 5.8

Sample Type: AA Flow Controller Type: Passive

Volatile Organic Compounds by GCMS
EPA TO-15

	ppbv				ug/M³						
Analyte	Results	MDL	LOQ	Flag/Qual	Results	MDL	LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Chlorobenzene	ND	0.20	0.50		ND	0.92	2.3	1	1	6/24/24 21:12	DFH
Chloroethane	ND	0.20	0.50		ND	0.53	1.3	1	1	6/24/24 21:12	DFH
Chloroform	ND	0.20	0.50		ND	0.98	2.4	1	1	6/24/24 21:12	DFH
Chloromethane	0.27	0.20	0.50	J	0.56	0.41	1.0	1	1	6/24/24 21:12	DFH
cis-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 21:12	DFH
cis-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 21:12	DFH
Cyclohexane	ND	0.20	0.50		ND	0.69	1.7	1	1	6/24/24 21:12	DFH
Dibromochloromethane	ND	0.20	0.50		ND	1.7	4.3	1	1	6/24/24 21:12	DFH
Dichlorodifluoromethane	ND	0.50	0.50		ND	2.5	2.5	1	1	6/24/24 21:12	DFH
Ethyl acetate	ND	0.20	0.50		ND	0.72	1.8	1	1	6/24/24 21:12	DFH
Ethylbenzene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 21:12	DFH
Heptane	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 21:12	DFH
Hexachlorobutadiene	ND	0.20	0.50		ND	2.1	5.3	1	1	6/24/24 21:12	DFH
Hexane	ND	0.20	0.50		ND	0.70	1.8	1	1	6/24/24 21:12	DFH
Isopropylbenzene	ND	0.20	0.50		ND	0.98	2.5	1	1	6/24/24 21:12	DFH
m+p-Xylenes	ND	0.40	1.00		ND	1.7	4.3	1	1	6/24/24 21:12	DFH
Methyl methacrylate	ND	0.20	0.50		ND	0.82	2.0	1	1	6/24/24 21:12	DFH
Methylene chloride	ND	0.50	1.00		ND	1.7	3.5	1	1	6/24/24 21:12	DFH
Methyl-t-butyl ether (MTBE)	ND	0.20	0.50	C	ND	0.72	1.8	1	1	6/24/24 21:12	DFH
Naphthalene	ND	0.20	0.50		ND	1.0	2.6	1	1	6/24/24 21:12	DFH
o-Xylene	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 21:12	DFH
Propylene	ND	1.00	1.00		ND	1.7	1.7	1	1	6/24/24 21:12	DFH
Styrene	ND	0.20	0.50		ND	0.85	2.1	1	1	6/24/24 21:12	DFH
TBA	ND	0.50	0.50		ND	1.5	1.5	1	1	6/24/24 21:12	DFH
Tetrachloroethylene (PCE)	ND	0.20	0.50		ND	1.4	3.4	1	1	6/24/24 21:12	DFH
Tetrahydrofuran	ND	0.20	0.50		ND	0.59	1.5	1	1	6/24/24 21:12	DFH
Toluene	1.16	0.20	0.50		4.4	0.75	1.9	1	1	6/24/24 21:12	DFH
trans-1,2-Dichloroethylene	ND	0.20	0.50		ND	0.79	2.0	1	1	6/24/24 21:12	DFH
trans-1,3-Dichloropropene	ND	0.20	0.50		ND	0.91	2.3	1	1	6/24/24 21:12	DFH

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

ANALYTICAL RESULTS

Field Sample #: IAQ-MSD Project Location:

Sample ID: 24F0969-11
Sample Matrix: Air
Sampled: 6/13/2024 15:30
Sample Type: AA

Canister ID: 063-00871::49334
Canister Size: 6
Flow Controller ID: 063-00359::16671
Flow Controller Type: Passive

Initial Vacuum(in Hg): 30
Final Vacuum(in Hg): 4
Receipt Vacuum(in Hg): 5.8

Volatile Organic Compounds by GCMS
EPA TO-15

Analyte	ppbv Results	ppbv MDL	ppbv LOQ	Flag/Qual	ug/M³ Results	ug/M³ MDL	ug/M³ LOQ	Dilution	PF	Date/Time Analyzed	Analyst
Trichloroethylene	ND	0.20	0.50		ND	1.1	2.7	1	1	6/24/24 21:12	DFH
Trichlorofluoromethane	ND	0.50	0.50		ND	2.8	2.8	1	1	6/24/24 21:12	DFH
Vinyl acetate	ND	0.20	0.50	C	ND	0.70	1.8	1	1	6/24/24 21:12	DFH
Vinyl bromide	ND	0.20	0.50		ND	0.87	2.2	1	1	6/24/24 21:12	DFH
Vinyl chloride	ND	0.20	0.50		ND	0.51	1.3	1	1	6/24/24 21:12	DFH
Xylenes, Total	ND	0.60	1.50		ND	2.6	6.5	1	1	6/24/24 21:12	DFH

Surrogate(s)	% Recovery	% Recovery Limits	
4-Bromofluorobenzene (Surr)	99.6	80-120	6/24/24 21:12

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			**Preparation Method:**	**No Prep VOC Air**	
24F0969-01	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-02	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-03	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-04	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-05	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-06	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-07	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-08	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-09	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-10	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163
24F0969-11	400 mL / 400 mL	EPA TO-15	BHF0840	SHF0782	AF40163

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHF0840 - No Prep VOC Air											
Blank (BHF0840-BLK1)					Prepared & Analyzed: 06/24/2024						
1,1,1-Trichloroethane		<	0.50	ppbv							
1,1,1,2-Tetrachloroethane		<	0.50	ppbv							
1,1,2,2-Tetrachloroethane		<	0.50	ppbv							
1,1,2-Trichloro-1,2,2-trifluoroethane		<	0.50	ppbv							
1,1,2-Trichloroethane		<	0.50	ppbv							
1,1-Dichloroethane		<	0.50	ppbv							
1,1-Dichloroethylene		<	0.50	ppbv							
1,2,4-Trimethylbenzene		<	0.50	ppbv							
1,2-Dibromoethane (EDB)		<	0.50	ppbv							
1,2-Dichlorobenzene		<	0.50	ppbv							
1,2-Dichloroethane		<	0.50	ppbv							
1,2-Dichloropropane		<	0.50	ppbv							
1,2-Dichlorotetrafluoroethane		<	0.50	ppbv							
1,3,5-Trimethylbenzene		<	0.50	ppbv							
1,3-Butadiene		<	0.50	ppbv							
1,3-Dichlorobenzene		<	0.50	ppbv							
1,4-Dichlorobenzene		<	0.50	ppbv							
1,4-Dioxane		<	0.50	ppbv							
2-Butanone (MEK)		<	0.50	ppbv							
2-Chlorotoluene		<	0.50	ppbv							
2-Hexanone (MBK)		<	0.50	ppbv							
4-Methyl-2-pentanone (MIBK)		<	0.50	ppbv							
Allyl chloride		<	0.50	ppbv							
Benzene		<	0.50	ppbv							
Benzyl Chloride		<	0.50	ppbv							
Bromoform		<	0.50	ppbv							
Bromomethane		<	0.50	ppbv							
Carbon Disulfide		<	0.50	ppbv							
Carbon Tetrachloride		<	0.50	ppbv							
Chlorobenzene		<	0.50	ppbv							
Chloroethane		<	0.50	ppbv							

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result		Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHF0840 - No Prep VOC Air											
Blank (BHF0840-BLK1)					Prepared & Analyzed: 06/24/2024						
Chloroform		<	0.50	ppbv							
Chloromethane		<	0.50	ppbv							
cis-1,2-Dichloroethylene		<	0.50	ppbv							
cis-1,3-Dichloropropene		<	0.50	ppbv							
Cyclohexane		<	0.50	ppbv							
Dibromochloromethane		<	0.50	ppbv							
Dichlorodifluoromethane		<	0.50	ppbv							
Ethyl acetate		<	0.50	ppbv							
Ethylbenzene		<	0.50	ppbv							
Heptane		<	0.50	ppbv							
Hexachlorobutadiene		<	0.50	ppbv							
Hexane		<	0.50	ppbv							
Isopropylbenzene		<	0.50	ppbv							
m+p-Xylenes		<	1.00	ppbv							
Methyl methacrylate		<	0.50	ppbv							
Methylene chloride		<	1.00	ppbv							
Methyl-t-butyl ether (MTBE)		<	0.50	ppbv							
Naphthalene		<	0.50	ppbv							
o-Xylene		<	0.50	ppbv							
Propylene		<	1.00	ppbv							
Styrene		<	0.50	ppbv							
TBA		<	0.50	ppbv							
Tetrachloroethylene (PCE)		<	0.50	ppbv							
Tetrahydrofuran		<	0.50	ppbv							
Toluene		<	0.50	ppbv							
trans-1,2-Dichloroethylene		<	0.50	ppbv							
trans-1,3-Dichloropropene		<	0.50	ppbv							
Trichloroethylene		<	0.50	ppbv							
Trichlorofluoromethane		<	0.50	ppbv							
Vinyl acetate		<	0.50	ppbv							
Vinyl bromide		<	0.50	ppbv							
Vinyl chloride		<	0.50	ppbv							
Xylenes, Total		<	1.50	ppbv							

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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHF0840 - No Prep VOC Air										
Blank (BHF0840-BLK1)				Prepared & Analyzed: 06/24/2024						
Surr: 4-Bromofluorobenzene (Surr)	*4.87*		ppbv	*5.00*		*97.4*	*80-120*			
LCS (BHF0840-BS1)				Prepared & Analyzed: 06/24/2024						
1,1,1-Trichloroethane	3.65	0.5	ppbv	5.00		73.0	70-130			
1,1,1,2-Tetrachloroethane	4.81	0.5	ppbv	5.00		96.2	70-130			
1,1,2,2-Tetrachloroethane	5.53	0.5	ppbv	5.00		111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	4.11	0.5	ppbv	5.00		82.2	70-130			
1,1,2-Trichloroethane	4.27	0.5	ppbv	5.00		85.4	70-130			
1,1-Dichloroethane	3.47	0.5	ppbv	5.00		69.4	70-130			L
1,1-Dichloroethylene	4.23	0.5	ppbv	5.00		84.6	70-130			
1,2,4-Trimethylbenzene	4.93	0.5	ppbv	5.00		98.6	70-130			
1,2-Dibromoethane (EDB)	4.84	0.5	ppbv	5.00		96.8	70-130			
1,2-Dichlorobenzene	4.96	0.5	ppbv	5.00		99.2	70-130			
1,2-Dichloroethane	3.62	0.5	ppbv	5.00		72.4	70-130			
1,2-Dichloropropane	4.28	0.5	ppbv	5.00		85.6	70-130			
1,2-Dichlorotetrafluoroethane	4.06	0.5	ppbv	5.00		81.2	70-130			
1,3,5-Trimethylbenzene	5.07	0.5	ppbv	5.00		101	70-130			
1,3-Butadiene	3.51	0.5	ppbv	5.00		70.2	70-130			
1,3-Dichlorobenzene	4.47	0.5	ppbv	5.00		89.4	70-130			
1,4-Dichlorobenzene	4.17	0.5	ppbv	5.00		83.4	70-130			
1,4-Dioxane	4.25	0.5	ppbv	5.00		85.0	70-130			
2-Butanone (MEK)	3.60	0.5	ppbv	5.00		72.0	70-130			
2-Chlorotoluene	4.94	0.5	ppbv	5.00		98.8	70-130			
2-Hexanone (MBK)	4.32	0.5	ppbv	5.00		86.4	70-130			
4-Methyl-2-pentanone (MIBK)	3.99	0.5	ppbv	5.00		79.8	70-130			
Allyl chloride	4.30	0.5	ppbv	5.00		86.0	70-130			
Benzene	4.07	0.5	ppbv	5.00		81.4	70-130			
Benzyl Chloride	3.25	0.5	ppbv	5.00		65.0	70-130			L
Bromoform	4.89	0.5	ppbv	5.00		97.8	70-130			
Bromomethane	4.52	0.5	ppbv	5.00		90.4	70-130			
Carbon Disulfide	4.40	0.5	ppbv	5.00		88.0	70-130			
Carbon Tetrachloride	3.72	0.5	ppbv	5.00		74.4	70-130			
Chlorobenzene	4.80	0.5	ppbv	5.00		96.0	70-130			

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Client Site I.D.:	805 Court St	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHF0840 - No Prep VOC Air										
LCS (BHF0840-BS1)				Prepared & Analyzed: 06/24/2024						
Chloroethane	4.44	0.5	ppbv	5.00		88.8	70-130			
Chloroform	3.94	0.5	ppbv	5.00		78.8	70-130			
Chloromethane	4.00	0.5	ppbv	5.00		80.0	70-130			
cis-1,2-Dichloroethylene	4.10	0.5	ppbv	5.00		82.0	70-130			
cis-1,3-Dichloropropene	3.95	0.5	ppbv	5.00		79.0	70-130			
Cyclohexane	3.98	0.5	ppbv	5.00		79.6	70-130			
Dibromochloromethane	4.01	0.5	ppbv	5.00		80.2	70-130			
Dichlorodifluoromethane	3.46	0.5	ppbv	5.00		69.2	70-130			L
Ethyl acetate	3.76	0.5	ppbv	5.00		75.2	70-130			
Ethylbenzene	4.87	0.5	ppbv	5.00		97.4	70-130			
Heptane	3.78	0.5	ppbv	5.00		75.6	70-130			
Hexachlorobutadiene	4.63	0.5	ppbv	5.00		92.6	60-140			
Hexane	4.09	0.5	ppbv	5.00		81.8	70-130			
Isopropylbenzene	5.09	0.5	ppbv	5.00		102	70-130			
m+p-Xylenes	9.83	1	ppbv	10.0		98.3	70-130			
Methyl methacrylate	3.91	0.5	ppbv	5.00		78.2	70-130			
Methylene chloride	4.82	1	ppbv	5.00		96.4	70-130			
Methyl-t-butyl ether (MTBE)	2.99	0.5	ppbv	5.00		59.8	70-130			L
Naphthalene	3.26	0.5	ppbv	5.00		65.2	60-140			
o-Xylene	5.04	0.5	ppbv	5.00		101	70-130			
Propylene	3.33	1	ppbv	5.00		66.6	70-130			L
Styrene	4.63	0.5	ppbv	5.00		92.6	70-130			
TBA	3.56	0.5	ppbv	5.00		71.2	70-130			
Tetrachloroethylene (PCE)	4.69	0.5	ppbv	5.00		93.8	70-130			
Tetrahydrofuran	3.73	0.5	ppbv	5.00		74.6	70-130			
Toluene	3.96	0.5	ppbv	5.00		79.2	70-130			
trans-1,2-Dichloroethylene	3.38	0.5	ppbv	5.00		67.6	70-130			L
trans-1,3-Dichloropropene	3.62	0.5	ppbv	5.00		72.4	70-130			
Trichloroethylene	4.10	0.5	ppbv	5.00		82.0	70-130			
Trichlorofluoromethane	4.11	0.5	ppbv	5.00		82.2	70-130			
Vinyl acetate	2.33	0.5	ppbv	5.00		46.6	70-130			L
Vinyl bromide	4.37	0.5	ppbv	5.00		87.4	70-130			
Vinyl chloride	4.05	0.5	ppbv	5.00		81.0	70-130			

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHF0840 - No Prep VOC Air										
LCS (BHF0840-BS1)					Prepared & Analyzed: 06/24/2024					
Surr: 4-Bromofluorobenzene (Surr)	*5.75*		ppbv	*5.00*		*115*	*70-130*			
LCS Dup (BHF0840-BSD1)					Prepared & Analyzed: 06/24/2024					
1,1,1-Trichloroethane	3.75	0.5	ppbv	5.00		75.0	70-130	2.70	25	
1,1,1,2-Tetrachloroethane	4.89	0.5	ppbv	5.00		97.8	70-130	1.65	25	
1,1,2,2-Tetrachloroethane	5.65	0.5	ppbv	5.00		113	70-130	2.15	25	
1,1,2-Trichloro-1,2,2-trifluoroethane	4.16	0.5	ppbv	5.00		83.2	70-130	1.21	25	
1,1,2-Trichloroethane	4.39	0.5	ppbv	5.00		87.8	70-130	2.77	25	
1,1-Dichloroethane	3.62	0.5	ppbv	5.00		72.4	70-130	4.23	25	
1,1-Dichloroethylene	4.37	0.5	ppbv	5.00		87.4	70-130	3.26	25	
1,2,4-Trimethylbenzene	5.00	0.5	ppbv	5.00		100	70-130	1.41	25	
1,2-Dibromoethane (EDB)	4.93	0.5	ppbv	5.00		98.6	70-130	1.84	25	
1,2-Dichlorobenzene	5.08	0.5	ppbv	5.00		102	70-130	2.39	25	
1,2-Dichloroethane	3.69	0.5	ppbv	5.00		73.8	70-130	1.92	25	
1,2-Dichloropropane	4.38	0.5	ppbv	5.00		87.6	70-130	2.31	25	
1,2-Dichlorotetrafluoroethane	4.25	0.5	ppbv	5.00		85.0	70-130	4.57	25	
1,3,5-Trimethylbenzene	5.13	0.5	ppbv	5.00		103	70-130	1.18	25	
1,3-Butadiene	3.59	0.5	ppbv	5.00		71.8	70-130	2.25	25	
1,3-Dichlorobenzene	4.55	0.5	ppbv	5.00		91.0	70-130	1.77	25	
1,4-Dichlorobenzene	4.23	0.5	ppbv	5.00		84.6	70-130	1.43	25	
1,4-Dioxane	4.39	0.5	ppbv	5.00		87.8	70-130	3.24	25	
2-Butanone (MEK)	3.84	0.5	ppbv	5.00		76.8	70-130	6.45	25	
2-Chlorotoluene	5.02	0.5	ppbv	5.00		100	70-130	1.61	25	
2-Hexanone (MBK)	4.45	0.5	ppbv	5.00		89.0	70-130	2.96	25	
4-Methyl-2-pentanone (MIBK)	4.05	0.5	ppbv	5.00		81.0	70-130	1.49	25	
Allyl chloride	4.19	0.5	ppbv	5.00		83.8	70-130	2.59	25	
Benzene	4.18	0.5	ppbv	5.00		83.6	70-130	2.67	25	
Benzyl Chloride	3.39	0.5	ppbv	5.00		67.8	70-130	4.22	25	L
Bromoform	4.98	0.5	ppbv	5.00		99.6	70-130	1.82	25	
Bromomethane	4.61	0.5	ppbv	5.00		92.2	70-130	1.97	25	
Carbon Disulfide	4.39	0.5	ppbv	5.00		87.8	70-130	0.228	25	
Carbon Tetrachloride	3.78	0.5	ppbv	5.00		75.6	70-130	1.60	25	
Chlorobenzene	4.83	0.5	ppbv	5.00		96.6	70-130	0.623	25	

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

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Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHF0840 - No Prep VOC Air										
LCS Dup (BHF0840-BSD1)				Prepared & Analyzed: 06/24/2024						
Chloroethane	4.65	0.5	ppbv	5.00		93.0	70-130	4.62	25	
Chloroform	4.07	0.5	ppbv	5.00		81.4	70-130	3.25	25	
Chloromethane	4.47	0.5	ppbv	5.00		89.4	70-130	11.1	25	
cis-1,2-Dichloroethylene	4.15	0.5	ppbv	5.00		83.0	70-130	1.21	25	
cis-1,3-Dichloropropene	4.04	0.5	ppbv	5.00		80.8	70-130	2.25	25	
Cyclohexane	4.11	0.5	ppbv	5.00		82.2	70-130	3.21	25	
Dibromochloromethane	4.08	0.5	ppbv	5.00		81.6	70-130	1.73	25	
Dichlorodifluoromethane	4.03	0.5	ppbv	5.00		80.6	70-130	15.2	25	
Ethyl acetate	3.88	0.5	ppbv	5.00		77.6	70-130	3.14	25	
Ethylbenzene	5.00	0.5	ppbv	5.00		100	70-130	2.63	25	
Heptane	3.90	0.5	ppbv	5.00		78.0	70-130	3.13	25	
Hexachlorobutadiene	4.73	0.5	ppbv	5.00		94.6	60-140	2.14	25	
Hexane	4.19	0.5	ppbv	5.00		83.8	70-130	2.42	25	
Isopropylbenzene	5.32	0.5	ppbv	5.00		106	70-130	4.42	25	
m+p-Xylenes	10.1	1	ppbv	10.0		101	70-130	2.41	25	
Methyl methacrylate	4.11	0.5	ppbv	5.00		82.2	70-130	4.99	25	
Methylene chloride	4.91	1	ppbv	5.00		98.2	70-130	1.85	25	
Methyl-t-butyl ether (MTBE)	3.07	0.5	ppbv	5.00		61.4	70-130	2.64	25	L
Naphthalene	3.34	0.5	ppbv	5.00		66.8	60-140	2.42	25	
o-Xylene	5.15	0.5	ppbv	5.00		103	70-130	2.16	25	
Propylene	4.14	1	ppbv	5.00		82.8	70-130	21.7	25	
Styrene	4.73	0.5	ppbv	5.00		94.6	70-130	2.14	25	
TBA	3.61	0.5	ppbv	5.00		72.2	70-130	1.39	25	
Tetrachloroethylene (PCE)	4.75	0.5	ppbv	5.00		95.0	70-130	1.27	25	
Tetrahydrofuran	3.85	0.5	ppbv	5.00		77.0	70-130	3.17	25	
Toluene	4.04	0.5	ppbv	5.00		80.8	70-130	2.00	25	
trans-1,2-Dichloroethylene	3.53	0.5	ppbv	5.00		70.6	70-130	4.34	25	
trans-1,3-Dichloropropene	3.72	0.5	ppbv	5.00		74.4	70-130	2.72	25	
Trichloroethylene	4.19	0.5	ppbv	5.00		83.8	70-130	2.17	25	
Trichlorofluoromethane	4.11	0.5	ppbv	5.00		82.2	70-130	0.00	25	
Vinyl acetate	2.35	0.5	ppbv	5.00		47.0	70-130	0.855	25	L
Vinyl bromide	4.44	0.5	ppbv	5.00		88.8	70-130	1.59	25	
Vinyl chloride	4.64	0.5	ppbv	5.00		92.8	70-130	13.6	25	

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch BHF0840 - No Prep VOC Air										
LCS Dup (BHF0840-BSD1)				Prepared & Analyzed: 06/24/2024						
Surr: 4-Bromofluorobenzene (Surr)	*5.70*		ppbv	*5.00*		*114*	*70-130*			

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Client Site I.D.:	805 Court St	Purchase Order:	

Certified Analytes included in this Report

Analyte	Certifications
EPA TO-15 in Air	
1,1,1-Trichloroethane	VELAP
1,1,1,2-Tetrachloroethane	VELAP
1,1,2,2-Tetrachloroethane	VELAP
1,1,2-Trichloro-1,2,2-trifluoroethane	VELAP
1,1,2-Trichloroethane	VELAP
1,1-Dichloroethane	VELAP
1,1-Dichloroethylene	VELAP
1,2,4-Trimethylbenzene	VELAP
1,2-Dibromoethane (EDB)	VELAP
1,2-Dichlorobenzene	VELAP
1,2-Dichloroethane	VELAP
1,2-Dichloropropane	VELAP
1,2-Dichlorotetrafluoroethane	VELAP
1,3,5-Trimethylbenzene	VELAP
1,3-Butadiene	VELAP
1,3-Dichlorobenzene	VELAP
1,4-Dichlorobenzene	VELAP
1,4-Dioxane	VELAP
2-Butanone (MEK)	VELAP
2-Chlorotoluene	VELAP
2-Hexanone (MBK)	VELAP
4-Methyl-2-pentanone (MIBK)	VELAP
Allyl chloride	VELAP
Benzene	VELAP
Benzyl Chloride	VELAP
Bromoform	VELAP
Bromomethane	VELAP
Carbon Disulfide	VELAP
Carbon Tetrachloride	VELAP
Chlorobenzene	VELAP
Chloroethane	VELAP
Chloroform	VELAP
Chloromethane	VELAP
cis-1,2-Dichloroethylene	VELAP
cis-1,3-Dichloropropene	VELAP
Cyclohexane	VELAP
Dibromochloromethane	VELAP
Dichlorodifluoromethane	VELAP
Ethyl acetate	VELAP
Ethylbenzene	VELAP
Heptane	VELAP
Hexachlorobutadiene	VELAP
Hexane	VELAP
Isopropylbenzene	VELAP
m+p-Xylenes	VELAP
Methyl methacrylate	VELAP
Methylene chloride	VELAP
Methyl-t-butyl ether (MTBE)	VELAP
Naphthalene	VELAP
o-Xylene	VELAP
Propylene	VELAP
Styrene	VELAP
TBA	VELAP
Tetrachloroethylene (PCE)	VELAP
Tetrahydrofuran	VELAP
Toluene	VELAP
trans-1,2-Dichloroethylene	VELAP
trans-1,3-Dichloropropene	VELAP
Trichloroethylene	VELAP
Trichlorofluoromethane	VELAP
Vinyl acetate	VELAP
Vinyl bromide	VELAP
Vinyl chloride	VELAP
Xylenes, Total	VELAP

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Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Code	Description	Laboratory ID	Expires
MdDOE	Maryland DE Drinking Water	341	12/31/2024
NCDEQ	North Carolina DEQ	495	12/31/2024
NCDOH	North Carolina Department of Health	51714	07/31/2024
NYDOH	New York DOH Drinking Water	12069	04/01/2025
PADEP	NELAP-Pennsylvania Certificate #009	68-03503	10/31/2024
TXCEQ	Texas Comm on Environmental Quality #T10470	T104704576	05/31/2025
VELAP	NELAP-Virginia Certificate #12969	460021	06/14/2025
WVDEP	West Virginia DEP	350	11/30/2024

Qualifiers and Definitions

C	Continuing calibration verification response for this analyte is outside specifications.
J	The reported result is an estimated value.
L	LCS recovery is outside of established acceptance limits
RPD	Relative Percent Difference
Qual	Qualifers
-RE	Denotes sample was re-analyzed
PF	Preparation Factor
MDL	Method Detection Limit
LOQ	Limit of Quantitation
ppbv	parts per billion by volume
TIC	Tentatively Identified Compounds are compounds that are identified by comparing the analyte mass spectral pattern with the NIST spectral library. A TIC spectral match is reported when the pattern is at least 75% consistent with the published pattern. Compound concentrations are estimated and are calculated using an internal standard response factor of 1.

All EPA method 3C results are reported as normalized values when the sum total of all evaluated constituents is outside ± 10% of the absolute.

ENTHALPY ANALYTICAL

Equipment Must be Returned By: 7/7/2024

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

AIR ANALYSIS
CHAIN OF CUSTODY

COMPANY NAME: TRC Engineers Inc. Cary, NC	INVOICE TO: same	PROJECT NAME/Quote #: West Building Phase II
CONTACT: Phillip Pressley	INVOICE CONTACT:	SITE NAME: 805 Court St
ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 519073
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:** Is sample from a chlorinated supply? YES NO	PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	**Turn Around Time:** Circle 10 **5 Days** or __ Day(s)

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg/psia)	LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information (Barometric Pres. (in Hg): 30.5): 2024 Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information (Barometric Pres. (in Hg)): 2024 Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15		
1)	IAQ-1	16061 ~~16524~~	11.4	49502	6L	BC240520	30		6/13	8:27	29 1/2	70°	6/13	16:23	3		AA	X		
2)	IAQ-2	16688	11.1	49506	6L	BC240520	30		6/13	8:25	30	70°	6/13	16:22	3		AA	X		
3)	IAQ-3	20116	11	49516	6L	BC240510	30		6/13	8:51	30	70°	6/13	16:26	2		AA	X		
4)																				

3/0 OT:20.5 CF:0.5 FT:21.0 no ice no seal

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
P. P		[signature]	04-14-24 09:36
[signature]	04-17-24	Christian Iglesias	6/17/24 09:25
Christian Iglesias	6/17/24 12:10	[signature]	6/17/24 1221

QC Data Package: Level I ☐ Level II ☐ Level III ☐ Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

v130325002

063-24F-0001.xls

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Equipment Must be Returned By: 7/7/2024

AIR ANALYSIS
CHAIN OF CUSTODY

COMPANY NAME: TRC Engineers Inc. Cary, NC	INVOICE TO: same	PROJECT NAME/Quote #: West Building Phase II
CONTACT: Phillip Pressley	INVOICE CONTACT:	SITE NAME: 805 Court Street
ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 519073
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	**Turn Around Time:** Circle: (10) 5 Days or __ Day(s

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg/psia)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information (Barometric Pres. (in Hg): 30.5): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information (Barometric Pres. (in Hg):): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15		
1)	IAQ-4	16522	11.3	31333	6L	BC240528	30		6/13	30	8:57	70°	6/13	16:5[illegible]	5		AA	X		
2)	IAQ-5	10115	11.2	47526	6L	BC240528	30		6/13	28½	9:07	70°	6/13	15:41	4	87	AA	X		
3)	IAQ-6	10522	11.4	47532	6L	BC240509	30		6/13	29	9:04	70°	6/13	16:45	4		AA	X		
4)	IAQ-7	10523	11.4	47667	6L	BC240528	30		6/13	30	9:00	70°	6/13	~~14~~ PAP 16:48	4.5		AA	X		

316 OT: 20.5 CF: 0.5 FT: 21.0 no ice no seal

	RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
	P.P		Alyssa Miller	06.14.24 0930
	RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
	Alyssa Miller	06.17.24	Christian Iglesias	6/17/24 9:25
	RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
	Christian Iglesias	6/17/24 12:10	[signature] A	6/17/24 1221

QC Data Package
- Level I ☐
- Level II ☐
- Level III ☐
- Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

v130325002

063-24F-0001.xls

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
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Equipment Must be Returned By: 7/7/2024

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ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 519073
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	**Turn Around Time:** Circle: (10) **5 Days** or __ Day(s

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg/psia)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information: Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information: Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15
	Barometric Pres. (in Hg):												Barometric Pres. (in Hg):					
1)	IAQ-DUP	10531	11.1	48087	6L	BC240528	30		6/13	8:57	29½	70°	6/13	16:51	4		AA	X
2)	IAQ-AMB	13292	11.4	48089	6L	BC240509	30		6/13	10:21 ~~8:54~~	30	70°	6/13	16:56	4		AA	X
3)	IAQ-MS	14095	11.3	48092	6L	BC240528	30		6/13	8:50	29	70°	6/13	16:26	3		AA	X
4)	IAQ-MSD	16671 ~~14107~~	11	49334	6L	BC240520	30		6/13	8:49	28½	70°	6/13	1530	4	87	AA	X

310 OT:20.5 CF:0.5 FT:21.0 no ice no seal

	DATE / TIME		DATE / TIME
RELINQUISHED: P. P.		RECEIVED: Alyssa M Mueller	06.14.24 0930
RELINQUISHED: Alyssa M Mueller	06.17.24	RECEIVED: Christian Iglesias	6/17/24 09:05
RELINQUISHED: Christian Iglesias	6/17/24 12:10	RECEIVED:	6/17/24 1221

QC Data Package
- Level I ☐
- Level II ☐
- Level III ☐
- Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

v130325002

063-24F-0001.xls

ENTHALPY ANALYTICAL

Equipment Must be Returned By: 7/7/2024

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

AIR ANALYSIS
CHAIN OF CUSTODY

COMPANY NAME: TRC Engineers Inc. Cary, NC	INVOICE TO: same	PROJECT NAME/Quote #: West Building Phase II
CONTACT: Phillip Pressley	INVOICE CONTACT:	SITE NAME: 805 Court St
ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 519073
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	Regulatory State:	Is sample from a chlorinated supply? YES NO — PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	Turn Around Time: Circle 10 5 Days or __ Day(s)

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg/psia)	LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information (Barometric Pres. (in Hg): 30.5): 2024 Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information (Barometric Pres. (in Hg)): 2024 Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15		
1)	IAQ-1	16061 ~~16524~~	11.4	49502	6L	BC240520	30	3.4	6/13	8:27	29 1/2	70°	6/13	16:23	3		AA	X		
2)	IAQ-2	16688	11.1	49506	6L	BC240520	30	3.4	6/13	8:25	30	70°	6/13	16:22	3		AA	X		
3)	IAQ-3	20116	11	49516	6L	BC240510	30	5.2	6/13	8:51	30	70°	6/13	16:26	2		AA	X		
4)																				

3/0 OT:20.5 CF:0.5 FT:21.0 no ice no seal

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
P. P		[signature]	04-14-24 09:56
[signature]	04-17-24	Christian Iglesias	6/17/24 09:25
Christian Iglesias	6/17/24 12:10	[signature]	6/17/24 1221

QC Data Package: Level I ☐ Level II ☐ Level III ☐ Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

v130325002

063-24F-0001.xls

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Equipment Must be Returned By: 7/7/2024

AIR ANALYSIS
CHAIN OF CUSTODY

COMPANY NAME: TRC Engineers Inc. Cary, NC	INVOICE TO: same	PROJECT NAME/Quote #: West Building Phase II
CONTACT: Phillip Pressley	INVOICE CONTACT:	SITE NAME: 805 Court Street
ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 519073
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	**Turn Around Time:** Circle: (10) 5 Days or __ Day(s)

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg/psia)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information (Barometric Pres. (in Hg): 30.5): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information (Barometric Pres. (in Hg):): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15
1)	IAQ-4	16522	11.3	31333	6L	BC240528	30	5.8	6/13	30	8:57	70°	6/13	16:5[illegible]	5		AA	X
2)	IAQ-5	10115	11.2	47526	6L	BC240528	30	6.0	6/13	28½	9:07	70°	6/13	15:41	4	87	AA	X
3)	IAQ-6	10522	11.4	47532	6L	BC240509	30	5.8	6/13	29	9:04	70°	6/13	16:45	4		AA	X
4)	IAQ-7	10523	11.4	47667	6L	BC240528	30	5.2	6/13	30	9:00	70°	6/13	~~17~~ PM 16:48	4.5		AA	X

316 OT: 20.5 CF: 0.5 FT: 21.0 no ice no seal

	RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
1	P.P		Alyssa m miller	06.14.24 0930
2	Alyssa m miller	06.17.24	Christian Iglesias	6/17/24 9:25
3	Christian Iglesias	6/17/24 12:10	[signature] A	6/17/24 1221

QC Data Package: Level I ☐ Level II ☐ Level III ☐ Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

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063-24F-0001.xls

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Equipment Must be Returned By: 7/7/2024

AIR ANALYSIS
CHAIN OF CUSTODY

COMPANY NAME: TRC Engineers Inc. Cary, NC	INVOICE TO: same	PROJECT NAME/Quote #: West Building Phase II
CONTACT: Phillip Pressley	INVOICE CONTACT:	SITE NAME: 805 Court Street
ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 519073
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	**Turn Around Time:** Circle: (10) 5 Days or __ Day(s)

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg/psia)	LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information (Barometric Pres. (in Hg): 30.5): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information (Barometric Pres. (in Hg):): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15
1)	IAQ-DUP	10531	11.1	48087	6L	BC240528	30	5.2	6/13	8:57	29 1/2	70°	6/13	16:51	4		AA	X
2)	IAQ-AMB	13292	11.4	48089	6L	BC240509	30	7.2	6/13	10:21 ~~8:54~~	30	70°	6/13	16:56	4		AA	X
3)	IAQ-MS	14095	11.3	48092	6L	BC240528	30	4.8	6/13	8:50	29	70°	6/13	16:26	3		AA	X
4)	IAQ-MSD	16671 ~~14107~~	11	49334	6L	BC240520	30	5.8	6/13	8:49	28 1/2	70°	6/13	1530	4	87	AA	X

310 OT:20.5 CF:0.5 FT:21.0 no ice no seal

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
P. P		Allyson M Mullen	06-14-24 0930
Allyson M Mullen	06-19-24	Christion Iglesias	6/17/24 09:05
Christion Iglesias	6/17/24 12:10	[signature] A	6/17/24 1224

QC Data Package
Level I ☐
Level II ☐
Level III ☐
Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

v130325002

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Sample Conditions Checklist

Samples Received at:	**21.00°C**
How were samples received?	Network NC Courier
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	No
Are all volatile organic and TOX containers free of headspace?	NA
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	NA
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Janet Frazier
Draper Aden, LLC, a TRC Company
2200 South Main Street
Suite A
Blacksburg, Virginia 24060

Generated 7/1/2024 2:21:16 PM

JOB DESCRIPTION

805 Court Street

JOB NUMBER

410-175929-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Barb Weyandt

Generated
7/1/2024 2:21:16 PM

Authorized for release by
Barbara Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
(717)556-7264

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-175929-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/14/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.2°C and 3.9°C.

GC/MS VOA
Method 8260D: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: SB-1-1 (410-175929-1), SB-1-2 (410-175929-2), SB-2-2 (410-175929-4) and FIELD DUP (410-175929-5). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) analyzed on 410-521638 is compliant under 8260C/D method criteria for cis-1,3-Dichloropropene . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-521638 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone, Methylcyclohexane, Cyclohexane, Chloromethane, Vinyl chloride and Freon 113. A reporting limit (RL) standard was analyzed and non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: Internal standard (ISTD) response for t-Butyl alcohol-d10 for the following sample in analytical batch 410-521638 was outside acceptance criteria: SB-2-1 (410-175929-3). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The initial calibration verification (ICV) result for batch 410-521564 was above the upper control limit for Hexachlorocyclopentadiene. Sample results were non-detects, and have been reported as qualified data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
Method 8082A: The continuing calibration verification (CCV) associated with batch 410-523384 recovered above the upper control limit for DCB Decachlorobiphenyl (Surr) on one column. Results are reported from the passing column: SB-2-2 (410-175929-4), FIELD DUP (410-175929-5), (410-175929-G-5-A MS) and (410-175929-G-5-B MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-1-1

Lab Sample ID: 410-175929-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	7.1		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Acenaphthylene	15		1.8	0.36	ug/Kg	1	☼	8270E SIM	Total/NA
Anthracene	47		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]anthracene	300		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]pyrene	160		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	200		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	170		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Fluoranthene	330		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Fluorene	13		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Naphthalene	98		3.6	1.4	ug/Kg	1	☼	8270E SIM	Total/NA
Phenanthrene	300		2.5	1.1	ug/Kg	1	☼	8270E SIM	Total/NA
Pyrene	260		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene - DL	1000		18	7.2	ug/Kg	10	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene - DL	390		18	7.2	ug/Kg	10	☼	8270E SIM	Total/NA
Chrysene - DL	690		18	3.6	ug/Kg	10	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene - DL	420		18	7.2	ug/Kg	10	☼	8270E SIM	Total/NA
1,1'-Biphenyl	0.025	J	0.040	0.018	mg/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	0.025		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.066		0.018	0.0054	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.0063	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.017	J	0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.047		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.29		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.15		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.80		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.35		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.16		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.043		0.040	0.018	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.61		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.088	J	0.18	0.072	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.15		0.018	0.0072	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.050		0.040	0.018	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.31		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.013	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.27		0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.081		0.018	0.0072	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.26		0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.22		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.43		0.18	0.072	mg/Kg	1	☼	8270E	Total/NA
Aluminum	26000	^2	110	53	mg/Kg	10	☼	6020B	Total/NA
Antimony	0.91		0.21	0.085	mg/Kg	2	☼	6020B	Total/NA
Arsenic	17		0.42	0.14	mg/Kg	2	☼	6020B	Total/NA
Barium	210		2.1	0.97	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.92		0.11	0.025	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.53		0.11	0.042	mg/Kg	2	☼	6020B	Total/NA
Calcium	11000		42	21	mg/Kg	2	☼	6020B	Total/NA
Chromium	30		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Cobalt	6.6	^2	0.21	0.085	mg/Kg	2	☼	6020B	Total/NA
Copper	36		0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Iron	61000	^2	110	49	mg/Kg	10	☼	6020B	Total/NA
Lead	150		0.21	0.081	mg/Kg	2	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-1-1 (Continued)

Lab Sample ID: 410-175929-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	2400		11	5.2	mg/Kg	2	☼	6020B	Total/NA
Manganese	170	^2	0.42	0.21	mg/Kg	2	☼	6020B	Total/NA
Nickel	19		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Potassium	1000		42	17	mg/Kg	2	☼	6020B	Total/NA
Selenium	4.6		0.42	0.11	mg/Kg	2	☼	6020B	Total/NA
Silver	0.14		0.11	0.043	mg/Kg	2	☼	6020B	Total/NA
Sodium	680		53	25	mg/Kg	2	☼	6020B	Total/NA
Thallium	0.49		0.11	0.042	mg/Kg	2	☼	6020B	Total/NA
Zinc	170		32	4.2	mg/Kg	2	☼	6020B	Total/NA
Vanadium	42		0.85	0.21	mg/Kg	2	☼	6020B	Total/NA
Mercury	0.22		0.066	0.022	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-1-2

Lab Sample ID: 410-175929-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1.2	J	1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Acenaphthylene	3.2		1.8	0.36	ug/Kg	1	☼	8270E SIM	Total/NA
Anthracene	9.6		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]anthracene	57		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]pyrene	40		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene	130		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	81		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	39		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Chrysene	85		1.8	0.36	ug/Kg	1	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	29		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Fluoranthene	49		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Fluorene	2.2		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	81		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Naphthalene	19		3.6	1.4	ug/Kg	1	☼	8270E SIM	Total/NA
Phenanthrene	51		2.5	1.1	ug/Kg	1	☼	8270E SIM	Total/NA
Pyrene	47		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
1-Methylnaphthalene	0.0067	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.012	J	0.018	0.0054	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.0043	J	0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.011	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.051		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.040		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.12		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.084		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.034		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.083		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.029		0.018	0.0072	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.048		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.063		0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.018		0.018	0.0072	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.052		0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.043		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
PCB-1260 (1C)	0.0072	J	0.019	0.0070	mg/Kg	1	☼	8082A	Total/NA
Aluminum	26000	^2	110	52	mg/Kg	10	☼	6020B	Total/NA
Antimony	0.40		0.21	0.085	mg/Kg	2	☼	6020B	Total/NA
Arsenic	7.2		0.42	0.14	mg/Kg	2	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-1-2 (Continued)

Lab Sample ID: 410-175929-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	130		0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Beryllium	0.49		0.11	0.025	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.11		0.11	0.042	mg/Kg	2	☼	6020B	Total/NA
Calcium	13000		42	21	mg/Kg	2	☼	6020B	Total/NA
Chromium	30		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Cobalt	4.3	^2	0.21	0.085	mg/Kg	2	☼	6020B	Total/NA
Copper	16		0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Iron	33000	^2	110	49	mg/Kg	10	☼	6020B	Total/NA
Lead	70		0.21	0.080	mg/Kg	2	☼	6020B	Total/NA
Magnesium	3100		11	5.2	mg/Kg	2	☼	6020B	Total/NA
Manganese	240	^2	0.42	0.21	mg/Kg	2	☼	6020B	Total/NA
Nickel	21		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Potassium	1500		42	17	mg/Kg	2	☼	6020B	Total/NA
Selenium	1.1		0.42	0.11	mg/Kg	2	☼	6020B	Total/NA
Silver	0.13		0.11	0.043	mg/Kg	2	☼	6020B	Total/NA
Sodium	290		53	25	mg/Kg	2	☼	6020B	Total/NA
Thallium	0.24		0.11	0.041	mg/Kg	2	☼	6020B	Total/NA
Zinc	59		32	4.2	mg/Kg	2	☼	6020B	Total/NA
Vanadium	45		0.85	0.21	mg/Kg	2	☼	6020B	Total/NA
Mercury	0.36		0.061	0.020	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2-1

Lab Sample ID: 410-175929-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	2.2		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Acenaphthylene	2.4		1.8	0.36	ug/Kg	1	☼	8270E SIM	Total/NA
Anthracene	2.6		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]anthracene	11		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]pyrene	6.6		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene	36	F1	1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	24	F1	1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	14		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Chrysene	37	F1	1.8	0.36	ug/Kg	1	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	6.8		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Fluoranthene	4.7		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Fluorene	0.90	J	1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	18		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Naphthalene	16	F1	3.6	1.4	ug/Kg	1	☼	8270E SIM	Total/NA
Phenanthrene	14	F1	2.5	1.1	ug/Kg	1	☼	8270E SIM	Total/NA
Pyrene	5.2		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
1-Methylnaphthalene	0.043		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.057		0.018	0.0054	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.0093	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.0072	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.032		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.025		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.0090	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.028		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.0049	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.014	J	0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.014	J	0.018	0.0072	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-2-1 (Continued)

Lab Sample ID: 410-175929-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.013	J	0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.0052	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Aluminum	18000	^2	21	10	mg/Kg	2	☼	6020B	Total/NA
Arsenic	2.8		0.42	0.14	mg/Kg	2	☼	6020B	Total/NA
Barium	23	F1	0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Beryllium	0.76		0.10	0.025	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.051	J	0.10	0.042	mg/Kg	2	☼	6020B	Total/NA
Calcium	1100	F1	42	21	mg/Kg	2	☼	6020B	Total/NA
Chromium	16		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Cobalt	3.1		0.21	0.084	mg/Kg	2	☼	6020B	Total/NA
Copper	28	F1	0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Iron	47000	^2	100	48	mg/Kg	10	☼	6020B	Total/NA
Lead	24	F2	0.21	0.080	mg/Kg	2	☼	6020B	Total/NA
Magnesium	340	F1	10	5.1	mg/Kg	2	☼	6020B	Total/NA
Manganese	53	F1	0.42	0.21	mg/Kg	2	☼	6020B	Total/NA
Nickel	9.7		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Potassium	430	F1	42	17	mg/Kg	2	☼	6020B	Total/NA
Selenium	0.67		0.42	0.10	mg/Kg	2	☼	6020B	Total/NA
Sodium	76		52	25	mg/Kg	2	☼	6020B	Total/NA
Thallium	0.11		0.10	0.041	mg/Kg	2	☼	6020B	Total/NA
Zinc	66	F1 F2	31	4.2	mg/Kg	2	☼	6020B	Total/NA
Vanadium	20	F1	0.84	0.21	mg/Kg	2	☼	6020B	Total/NA
Mercury	0.029	J	0.064	0.021	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2-2

Lab Sample ID: 410-175929-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	3.5		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Acenaphthylene	2.2		1.9	0.37	ug/Kg	1	☼	8270E SIM	Total/NA
Anthracene	9.1		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]anthracene	4.5		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]pyrene	2.1		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene	3.6		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	2.9		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Chrysene	9.7		1.9	0.37	ug/Kg	1	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	0.78	J	1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Fluoranthene	4.1		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Fluorene	1.9		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	1.5	J	1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
Naphthalene	18		3.7	1.5	ug/Kg	1	☼	8270E SIM	Total/NA
Phenanthrene	76		2.6	1.1	ug/Kg	1	☼	8270E SIM	Total/NA
Pyrene	11		1.9	0.75	ug/Kg	1	☼	8270E SIM	Total/NA
1-Methylnaphthalene	0.063		0.019	0.0037	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.16		0.019	0.0056	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.0040	J	0.019	0.0037	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.010	J	0.019	0.0037	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.0039	J	0.019	0.0037	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.010	J	0.019	0.0037	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.017	J	0.019	0.0075	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.070		0.019	0.0045	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.012	J	0.019	0.0037	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-2-2 (Continued)

Lab Sample ID: 410-175929-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	21000	^2	110	52	mg/Kg	10	☼	6020B	Total/NA
Antimony	0.091	J	0.21	0.085	mg/Kg	2	☼	6020B	Total/NA
Arsenic	4.2		0.42	0.14	mg/Kg	2	☼	6020B	Total/NA
Barium	29		0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Beryllium	0.52		0.11	0.025	mg/Kg	2	☼	6020B	Total/NA
Calcium	680		42	21	mg/Kg	2	☼	6020B	Total/NA
Chromium	25		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Cobalt	2.9		0.21	0.085	mg/Kg	2	☼	6020B	Total/NA
Copper	17		0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Iron	33000	^2	110	49	mg/Kg	10	☼	6020B	Total/NA
Lead	13		0.21	0.080	mg/Kg	2	☼	6020B	Total/NA
Magnesium	280		11	5.2	mg/Kg	2	☼	6020B	Total/NA
Manganese	67	^2	0.42	0.21	mg/Kg	2	☼	6020B	Total/NA
Nickel	7.5		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Potassium	620		42	17	mg/Kg	2	☼	6020B	Total/NA
Selenium	0.81		0.42	0.11	mg/Kg	2	☼	6020B	Total/NA
Sodium	31	J	53	25	mg/Kg	2	☼	6020B	Total/NA
Thallium	0.16		0.11	0.042	mg/Kg	2	☼	6020B	Total/NA
Zinc	32		32	4.2	mg/Kg	2	☼	6020B	Total/NA
Vanadium	30		0.85	0.21	mg/Kg	2	☼	6020B	Total/NA
Mercury	0.058	J	0.066	0.022	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: FIELD DUP

Lab Sample ID: 410-175929-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	4.0		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Acenaphthylene	8.0		1.8	0.36	ug/Kg	1	☼	8270E SIM	Total/NA
Anthracene	32		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]anthracene	170		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[a]pyrene	93		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[g,h,i]perylene	260		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[k]fluoranthene	140		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Dibenz(a,h)anthracene	110		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Fluoranthene	220		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Fluorene	8.1		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	260		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Naphthalene	82		3.6	1.4	ug/Kg	1	☼	8270E SIM	Total/NA
Phenanthrene	220		2.5	1.1	ug/Kg	1	☼	8270E SIM	Total/NA
Pyrene	140		1.8	0.72	ug/Kg	1	☼	8270E SIM	Total/NA
Benzo[b]fluoranthene - DL	760		9.0	3.6	ug/Kg	5	☼	8270E SIM	Total/NA
Chrysene - DL	610		9.0	1.8	ug/Kg	5	☼	8270E SIM	Total/NA
1,1'-Biphenyl	0.024	J	0.040	0.018	mg/Kg	1	☼	8270E	Total/NA
1-Methylnaphthalene	0.025		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.063		0.018	0.0054	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.010	J	0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.039		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzaldehyde	0.036	J	0.18	0.036	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.20		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.096		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.59		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.27		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FIELD DUP (Continued)

Lab Sample ID: 410-175929-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	0.12		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Caprolactam	0.051	J	0.18	0.036	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.032	J	0.040	0.018	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.51		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.11		0.018	0.0072	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.045		0.040	0.018	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.22		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.0096	J	0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.20		0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.076		0.018	0.0072	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.21		0.018	0.0043	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.15		0.018	0.0036	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.40		0.18	0.072	mg/Kg	1	☼	8270E	Total/NA
Aluminum	27000	^2	100	52	mg/Kg	10	☼	6020B	Total/NA
Antimony	0.71		0.21	0.084	mg/Kg	2	☼	6020B	Total/NA
Arsenic	12		0.42	0.14	mg/Kg	2	☼	6020B	Total/NA
Barium	140		0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Beryllium	0.99		0.10	0.025	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.33		0.10	0.042	mg/Kg	2	☼	6020B	Total/NA
Calcium	4600		42	21	mg/Kg	2	☼	6020B	Total/NA
Chromium	23		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Cobalt	5.3	^2	0.21	0.084	mg/Kg	2	☼	6020B	Total/NA
Copper	40		0.42	0.19	mg/Kg	2	☼	6020B	Total/NA
Iron	78000	^2	100	48	mg/Kg	10	☼	6020B	Total/NA
Lead	230		1.0	0.40	mg/Kg	10	☼	6020B	Total/NA
Magnesium	640		10	5.1	mg/Kg	2	☼	6020B	Total/NA
Manganese	140	^2	0.42	0.21	mg/Kg	2	☼	6020B	Total/NA
Nickel	16		0.42	0.20	mg/Kg	2	☼	6020B	Total/NA
Potassium	710		42	17	mg/Kg	2	☼	6020B	Total/NA
Selenium	3.4		0.42	0.10	mg/Kg	2	☼	6020B	Total/NA
Silver	0.055	J	0.10	0.042	mg/Kg	2	☼	6020B	Total/NA
Sodium	410		52	25	mg/Kg	2	☼	6020B	Total/NA
Thallium	0.38		0.10	0.041	mg/Kg	2	☼	6020B	Total/NA
Zinc	140		31	4.2	mg/Kg	2	☼	6020B	Total/NA
Vanadium	35		0.84	0.21	mg/Kg	2	☼	6020B	Total/NA
Mercury	0.11		0.065	0.022	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Trip Blank 1

Lab Sample ID: 410-175929-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6		5.0	1.5	ug/L	1		8260D	Total/NA
Methylene Chloride	0.83		0.50	0.20	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-1-1
Date Collected: 06/13/24 09:57
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-1
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	0.30	0.024	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Styrene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
cis-1,3-Dichloropropene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
trans-1,3-Dichloropropene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,2,3-Trichloropropane	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,4-Dichlorobenzene	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,2-Dibromoethane	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,2-Dichloroethane	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,2,4-Trimethylbenzene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
4-Methyl-2-pentanone	ND	cn	0.60	0.090	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Methylcyclohexane	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Toluene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Chlorobenzene	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Cyclohexane	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,2,4-Trichlorobenzene	ND	cn	0.60	0.30	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Dibromochloromethane	ND	cn	0.30	0.12	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Tetrachloroethene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Xylenes, Total	ND	cn	0.30	0.084	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,3,5-Trimethylbenzene	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
cis-1,2-Dichloroethene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
trans-1,2-Dichloroethene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Methyl tertiary butyl ether	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,3-Dichlorobenzene	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Carbon tetrachloride	ND	cn	0.30	0.12	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
2-Hexanone	ND	cn	0.60	0.090	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Acetone	ND	cn	1.2	0.36	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Chloroform	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Benzene	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,1,1-Trichloroethane	ND	cn	0.30	0.042	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Bromomethane	ND	cn	0.30	0.096	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Chloromethane	ND	cn	0.30	0.054	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Bromochloromethane	ND	cn	0.30	0.042	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Chloroethane	ND	cn	0.30	0.090	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Vinyl chloride	ND	cn	0.30	0.048	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Methylene Chloride	ND	cn	0.30	0.12	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Carbon disulfide	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Bromoform	ND	cn	0.60	0.30	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Bromodichloromethane	ND	cn	0.30	0.042	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,1-Dichloroethane	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,1-Dichloroethene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Trichlorofluoromethane	ND	cn	0.30	0.048	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Dichlorodifluoromethane	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Freon 113	ND	cn	0.60	0.042	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,2-Dichloropropane	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
2-Butanone	ND	cn	0.60	0.12	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,1,2-Trichloroethane	ND	cn	0.30	0.030	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Trichloroethene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Methyl acetate	ND	cn	0.30	0.060	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,1,2,2-Tetrachloroethane	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50

Client Sample ID: SB-1-1
Date Collected: 06/13/24 09:57
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-1
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	cn	0.60	0.30	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
o-Xylene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,2-Dichlorobenzene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
1,2-Dibromo-3-Chloropropane	ND	cn	0.30	0.060	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
Isopropylbenzene	ND	cn	0.30	0.036	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50
m&p-Xylene	ND	cn	0.30	0.060	mg/Kg	☼	06/23/24 00:09	06/26/24 15:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*	*cn*	*54 - 135*	*06/23/24 00:09*	*06/26/24 15:48*	*50*
4-Bromofluorobenzene (Surr)	*76*	*cn*	*50 - 131*	*06/23/24 00:09*	*06/26/24 15:48*	*50*
Dibromofluoromethane (Surr)	*77*	*cn*	*50 - 141*	*06/23/24 00:09*	*06/26/24 15:48*	*50*
Toluene-d8 (Surr)	*78*	*cn*	*52 - 141*	*06/23/24 00:09*	*06/26/24 15:48*	*50*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**7.1**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Acenaphthylene	**15**		1.8	0.36	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Anthracene	**47**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Benzo[a]anthracene	**300**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Benzo[a]pyrene	**160**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Benzo[k]fluoranthene	**200**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Dibenz(a,h)anthracene	**170**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Fluoranthene	**330**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Fluorene	**13**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Naphthalene	**98**		3.6	1.4	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Phenanthrene	**300**		2.5	1.1	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1
Pyrene	**260**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*112*		*15 - 126*	*06/25/24 17:20*	*06/27/24 04:32*	*1*
Benzo(a)pyrene-d12 (Surr)	*91*		*10 - 122*	*06/25/24 17:20*	*06/27/24 04:32*	*1*
1-Methylnaphthalene-d10 (Surr)	*83*		*22 - 120*	*06/25/24 17:20*	*06/27/24 04:32*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**1000**		18	7.2	ug/Kg	☼	06/25/24 17:20	06/27/24 07:42	10
Benzo[g,h,i]perylene	**390**		18	7.2	ug/Kg	☼	06/25/24 17:20	06/27/24 07:42	10
Chrysene	**690**		18	3.6	ug/Kg	☼	06/25/24 17:20	06/27/24 07:42	10
Indeno[1,2,3-cd]pyrene	**420**		18	7.2	ug/Kg	☼	06/25/24 17:20	06/27/24 07:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*127*	*S1+*	*15 - 126*	*06/25/24 17:20*	*06/27/24 07:42*	*10*
Benzo(a)pyrene-d12 (Surr)	*98*		*10 - 122*	*06/25/24 17:20*	*06/27/24 07:42*	*10*
1-Methylnaphthalene-d10 (Surr)	*87*		*22 - 120*	*06/25/24 17:20*	*06/27/24 07:42*	*10*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.025**	**J**	0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
1,2,4,5-Tetrachlorobenzene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
1,4-Dioxane	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
1-Methylnaphthalene	**0.025**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-1-1
Date Collected: 06/13/24 09:57
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-1
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		0.047	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2,3,4,6-Tetrachlorophenol	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2,4,5-Trichlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2,4,6-Trichlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2,4-Dichlorophenol	ND		0.047	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2,4-Dimethylphenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2,4-Dinitrophenol	ND		1.1	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2,4-Dinitrotoluene	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2,6-Dinitrotoluene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2-Chloronaphthalene	ND		0.036	0.014	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2-Chlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2-Methylnaphthalene	**0.066**		0.018	0.0054	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2-Methylphenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2-Nitroaniline	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
2-Nitrophenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
3,3'-Dichlorobenzidine	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
3-Nitroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
4,6-Dinitro-2-methylphenol	ND		0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
4-Bromophenyl-phenylether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
4-Chloro-3-methylphenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
4-Chloroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
4-Chlorophenyl-phenyl ether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
4-Methylphenol	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
4-Nitroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
4-Nitrophenol	ND		0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Acenaphthene	**0.0063**	**J**	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Acenaphthylene	**0.017**	**J**	0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Acetophenone	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Anthracene	**0.047**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Atrazine	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Benzaldehyde	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Benzo[a]anthracene	**0.29**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Benzo[a]pyrene	**0.15**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Benzo[b]fluoranthene	**0.80**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Benzo[g,h,i]perylene	**0.35**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Benzo[k]fluoranthene	**0.16**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Butylbenzylphthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Caprolactam	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Carbazole	**0.043**		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Chrysene	**0.61**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Di-n-butyl phthalate	**0.088**	**J**	0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Di-n-octyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Dibenz(a,h)anthracene	**0.15**		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Dibenzofuran	**0.050**		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Diethyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Dimethyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Fluoranthene	**0.31**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Fluorene	**0.013**	**J**	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Hexachlorobenzene	ND		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1

Client Sample ID: SB-1-1
Date Collected: 06/13/24 09:57
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-1
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Hexachlorocyclopentadiene	ND	cn	0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Hexachloroethane	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Indeno[1,2,3-cd]pyrene	**0.27**		0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Isophorone	ND		0.072	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
N-Nitrosodi-n-propylamine	ND		0.072	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
N-Nitrosodiphenylamine	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Naphthalene	**0.081**		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Nitrobenzene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Pentachlorophenol	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Phenanthrene	**0.26**		0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Phenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Pyrene	**0.22**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Pyridine	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Bis(2-chloroethoxy)methane	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Bis(2-chloroethyl)ether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1
Bis(2-ethylhexyl) phthalate	**0.43**		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*13 - 127*	*06/25/24 17:22*	*06/26/24 20:56*	*1*
2-Fluorobiphenyl (Surr)	*66*		*29 - 120*	*06/25/24 17:22*	*06/26/24 20:56*	*1*
2-Fluorophenol (Surr)	*58*		*18 - 120*	*06/25/24 17:22*	*06/26/24 20:56*	*1*
Nitrobenzene-d5 (Surr)	*59*		*22 - 120*	*06/25/24 17:22*	*06/26/24 20:56*	*1*
p-Terphenyl-d14 (Surr)	*73*		*36 - 123*	*06/25/24 17:22*	*06/26/24 20:56*	*1*
Phenol-d5 (Surr)	*60*		*20 - 120*	*06/25/24 17:22*	*06/26/24 20:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1
PCB-1221 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1
PCB-1232 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1
PCB-1242 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1
PCB-1248 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1
PCB-1254 (1C)	ND		0.018	0.0069	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1
PCB-1260 (1C)	ND		0.018	0.0069	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1
PCB-1262 (1C)	ND		0.018	0.0069	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1
PCB-1268 (1C)	ND		0.018	0.0069	mg/Kg	☼	06/26/24 09:32	06/26/24 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*73*		*66 - 130*	*06/26/24 09:32*	*06/26/24 23:36*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*85*		*66 - 130*	*06/26/24 09:32*	*06/26/24 23:36*	*1*
Tetrachloro-m-xylene (1C)	*87*		*68 - 130*	*06/26/24 09:32*	*06/26/24 23:36*	*1*
Tetrachloro-m-xylene (2C)	*93*		*68 - 130*	*06/26/24 09:32*	*06/26/24 23:36*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26000**	**^2**	110	53	mg/Kg	☼	06/24/24 21:00	06/25/24 13:45	10
Antimony	**0.91**		0.21	0.085	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Arsenic	**17**		0.42	0.14	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Barium	**210**		2.1	0.97	mg/Kg	☼	06/24/24 21:00	06/25/24 13:45	10

Client Sample ID: SB-1-1
Lab Sample ID: 410-175929-1

Date Collected: 06/13/24 09:57
Matrix: Solid
Date Received: 06/14/24 09:40
Percent Solids: 91.4

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.92		0.11	0.025	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Cadmium	0.53		0.11	0.042	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Calcium	11000		42	21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Chromium	30		0.42	0.20	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Cobalt	6.6	^2	0.21	0.085	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Copper	36		0.42	0.19	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Iron	61000	^2	110	49	mg/Kg	☼	06/24/24 21:00	06/25/24 13:45	10
Lead	150		0.21	0.081	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Magnesium	2400		11	5.2	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Manganese	170	^2	0.42	0.21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Nickel	19		0.42	0.20	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Potassium	1000		42	17	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Selenium	4.6		0.42	0.11	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Silver	0.14		0.11	0.043	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Sodium	680		53	25	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Thallium	0.49		0.11	0.042	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Zinc	170		32	4.2	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2
Vanadium	42		0.85	0.21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:43	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.066	0.022	mg/Kg	☼	06/19/24 10:45	06/20/24 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.6		1.0	1.0	%			06/18/24 11:18	1
Percent Solids (EPA Moisture)	91.4		1.0	1.0	%			06/18/24 11:18	1

Client Sample ID: SB-1-2
Lab Sample ID: 410-175929-2

Date Collected: 06/13/24 10:30
Matrix: Solid
Date Received: 06/14/24 09:40
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	0.29	0.023	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Styrene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
cis-1,3-Dichloropropene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
trans-1,3-Dichloropropene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2,3-Trichloropropane	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,4-Dichlorobenzene	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2-Dibromoethane	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2-Dichloroethane	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2,4-Trimethylbenzene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
4-Methyl-2-pentanone	ND	cn	0.58	0.088	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Methylcyclohexane	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Toluene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Chlorobenzene	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Cyclohexane	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2,4-Trichlorobenzene	ND	cn	0.58	0.29	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Dibromochloromethane	ND	cn	0.29	0.12	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-1-2
Date Collected: 06/13/24 10:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-2
Matrix: Solid
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Xylenes, Total	ND	cn	0.29	0.082	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,3,5-Trimethylbenzene	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
cis-1,2-Dichloroethene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
trans-1,2-Dichloroethene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Methyl tertiary butyl ether	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,3-Dichlorobenzene	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Carbon tetrachloride	ND	cn	0.29	0.12	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
2-Hexanone	ND	cn	0.58	0.088	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Acetone	ND	cn	1.2	0.35	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Chloroform	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Benzene	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,1,1-Trichloroethane	ND	cn	0.29	0.041	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Bromomethane	ND	cn	0.29	0.094	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Chloromethane	ND	cn	0.29	0.053	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Bromochloromethane	ND	cn	0.29	0.041	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Chloroethane	ND	cn	0.29	0.088	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Vinyl chloride	ND	cn	0.29	0.047	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Methylene Chloride	ND	cn	0.29	0.12	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Carbon disulfide	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Bromoform	ND	cn	0.58	0.29	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Bromodichloromethane	ND	cn	0.29	0.041	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,1-Dichloroethane	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,1-Dichloroethene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Trichlorofluoromethane	ND	cn	0.29	0.047	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Dichlorodifluoromethane	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Freon 113	ND	cn	0.58	0.041	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2-Dichloropropane	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
2-Butanone	ND	cn	0.58	0.12	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,1,2-Trichloroethane	ND	cn	0.29	0.029	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Trichloroethene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Methyl acetate	ND	cn	0.29	0.058	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,1,2,2-Tetrachloroethane	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2,3-Trichlorobenzene	ND	cn	0.58	0.29	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
o-Xylene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2-Dichlorobenzene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
1,2-Dibromo-3-Chloropropane	ND	cn	0.29	0.058	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
Isopropylbenzene	ND	cn	0.29	0.035	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50
m&p-Xylene	ND	cn	0.29	0.058	mg/Kg	☼	06/23/24 00:09	06/26/24 16:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*	*cn*	*54 - 135*	*06/23/24 00:09*	*06/26/24 16:09*	*50*
4-Bromofluorobenzene (Surr)	*87*	*cn*	*50 - 131*	*06/23/24 00:09*	*06/26/24 16:09*	*50*
Dibromofluoromethane (Surr)	*88*	*cn*	*50 - 141*	*06/23/24 00:09*	*06/26/24 16:09*	*50*
Toluene-d8 (Surr)	*89*	*cn*	*52 - 141*	*06/23/24 00:09*	*06/26/24 16:09*	*50*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.2**	**J**	1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Acenaphthylene	**3.2**		1.8	0.36	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1

Client Sample ID: SB-1-2
Date Collected: 06/13/24 10:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-2
Matrix: Solid
Percent Solids: 91.0

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	9.6		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Benzo[a]anthracene	57		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Benzo[a]pyrene	40		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Benzo[b]fluoranthene	130		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Benzo[g,h,i]perylene	81		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Benzo[k]fluoranthene	39		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Chrysene	85		1.8	0.36	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Dibenz(a,h)anthracene	29		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Fluoranthene	49		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Fluorene	2.2		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Indeno[1,2,3-cd]pyrene	81		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Naphthalene	19		3.6	1.4	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Phenanthrene	51		2.5	1.1	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1
Pyrene	47		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*86*		*15 - 126*	*06/25/24 17:20*	*06/27/24 04:55*	*1*
Benzo(a)pyrene-d12 (Surr)	*90*		*10 - 122*	*06/25/24 17:20*	*06/27/24 04:55*	*1*
1-Methylnaphthalene-d10 (Surr)	*79*		*22 - 120*	*06/25/24 17:20*	*06/27/24 04:55*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
1,2,4,5-Tetrachlorobenzene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
1,4-Dioxane	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
1-Methylnaphthalene	0.0067	J	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,2'-oxybis[1-chloropropane]	ND		0.047	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,3,4,6-Tetrachlorophenol	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,4,5-Trichlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,4,6-Trichlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,4-Dichlorophenol	ND		0.047	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,4-Dimethylphenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,4-Dinitrophenol	ND		1.1	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,4-Dinitrotoluene	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2,6-Dinitrotoluene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2-Chloronaphthalene	ND		0.036	0.014	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2-Chlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2-Methylnaphthalene	0.012	J	0.018	0.0054	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2-Methylphenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2-Nitroaniline	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
2-Nitrophenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
3,3'-Dichlorobenzidine	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
3-Nitroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
4,6-Dinitro-2-methylphenol	ND		0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
4-Bromophenyl-phenylether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
4-Chloro-3-methylphenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
4-Chloroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
4-Chlorophenyl-phenyl ether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
4-Methylphenol	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
4-Nitroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-1-2
Date Collected: 06/13/24 10:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-2
Matrix: Solid
Percent Solids: 91.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Acenaphthene	ND		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Acenaphthylene	**0.0043**	**J**	0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Acetophenone	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Anthracene	**0.011**	**J**	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Atrazine	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Benzaldehyde	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Benzo[a]anthracene	**0.051**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Benzo[a]pyrene	**0.040**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Benzo[b]fluoranthene	**0.12**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Benzo[g,h,i]perylene	**0.084**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Benzo[k]fluoranthene	**0.034**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Butylbenzylphthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Caprolactam	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Carbazole	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Chrysene	**0.083**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Di-n-butyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Di-n-octyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Dibenz(a,h)anthracene	**0.029**		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Dibenzofuran	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Diethyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Dimethyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Fluoranthene	**0.048**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Fluorene	ND		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Hexachlorobenzene	ND		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Hexachlorobutadiene	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Hexachlorocyclopentadiene	ND	cn	0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Hexachloroethane	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Indeno[1,2,3-cd]pyrene	**0.063**		0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Isophorone	ND		0.072	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
N-Nitrosodi-n-propylamine	ND		0.072	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
N-Nitrosodiphenylamine	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Naphthalene	**0.018**		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Nitrobenzene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Pentachlorophenol	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Phenanthrene	**0.052**		0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Phenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Pyrene	**0.043**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Pyridine	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Bis(2-chloroethoxy)methane	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Bis(2-chloroethyl)ether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1
Bis(2-ethylhexyl) phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*13 - 127*	*06/25/24 17:22*	*06/26/24 21:20*	*1*
2-Fluorobiphenyl (Surr)	*73*		*29 - 120*	*06/25/24 17:22*	*06/26/24 21:20*	*1*
2-Fluorophenol (Surr)	*65*		*18 - 120*	*06/25/24 17:22*	*06/26/24 21:20*	*1*
Nitrobenzene-d5 (Surr)	*65*		*22 - 120*	*06/25/24 17:22*	*06/26/24 21:20*	*1*
p-Terphenyl-d14 (Surr)	*81*		*36 - 123*	*06/25/24 17:22*	*06/26/24 21:20*	*1*
Phenol-d5 (Surr)	*67*		*20 - 120*	*06/25/24 17:22*	*06/26/24 21:20*	*1*

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-1-2

Date Collected: 06/13/24 10:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-2

Matrix: Solid
Percent Solids: 91.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1
PCB-1221 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1
PCB-1232 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1
PCB-1242 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1
PCB-1248 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1
PCB-1254 (1C)	ND		0.019	0.0070	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1
PCB-1260 (1C)	**0.0072**	**J**	0.019	0.0070	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1
PCB-1262 (1C)	ND		0.019	0.0070	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1
PCB-1268 (1C)	ND		0.019	0.0070	mg/Kg	☼	06/26/24 09:32	06/26/24 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*93*		*66 - 130*	*06/26/24 09:32*	*06/26/24 23:46*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*100*		*66 - 130*	*06/26/24 09:32*	*06/26/24 23:46*	*1*
Tetrachloro-m-xylene (1C)	*97*		*68 - 130*	*06/26/24 09:32*	*06/26/24 23:46*	*1*
Tetrachloro-m-xylene (2C)	*105*		*68 - 130*	*06/26/24 09:32*	*06/26/24 23:46*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26000**	**^2**	110	52	mg/Kg	☼	06/24/24 21:00	06/25/24 13:55	10
Antimony	**0.40**		0.21	0.085	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Arsenic	**7.2**		0.42	0.14	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Barium	**130**		0.42	0.19	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Beryllium	**0.49**		0.11	0.025	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Cadmium	**0.11**		0.11	0.042	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Calcium	**13000**		42	21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Chromium	**30**		0.42	0.20	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Cobalt	**4.3**	**^2**	0.21	0.085	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Copper	**16**		0.42	0.19	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Iron	**33000**	**^2**	110	49	mg/Kg	☼	06/24/24 21:00	06/25/24 13:55	10
Lead	**70**		0.21	0.080	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Magnesium	**3100**		11	5.2	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Manganese	**240**	**^2**	0.42	0.21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Nickel	**21**		0.42	0.20	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Potassium	**1500**		42	17	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Selenium	**1.1**		0.42	0.11	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Silver	**0.13**		0.11	0.043	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Sodium	**290**		53	25	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Thallium	**0.24**		0.11	0.041	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Zinc	**59**		32	4.2	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2
Vanadium	**45**		0.85	0.21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:53	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**		0.061	0.020	mg/Kg	☼	06/19/24 10:45	06/20/24 11:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.0**		1.0	1.0	%			06/18/24 11:18	1
Percent Solids (EPA Moisture)	**91.0**		1.0	1.0	%			06/18/24 11:18	1

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-2-1
Date Collected: 06/13/24 10:50
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-3
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	F1 cn	0.28	0.022	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Styrene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
cis-1,3-Dichloropropene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
trans-1,3-Dichloropropene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,2,3-Trichloropropane	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,4-Dichlorobenzene	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,2-Dibromoethane	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,2-Dichloroethane	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,2,4-Trimethylbenzene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
4-Methyl-2-pentanone	ND	F1 cn	0.56	0.084	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Methylcyclohexane	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Toluene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Chlorobenzene	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Cyclohexane	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,2,4-Trichlorobenzene	ND	F1 cn	0.56	0.28	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Dibromochloromethane	ND	F1 cn	0.28	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Tetrachloroethene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Xylenes, Total	ND	F1 cn	0.28	0.078	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,3,5-Trimethylbenzene	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
cis-1,2-Dichloroethene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
trans-1,2-Dichloroethene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Methyl tertiary butyl ether	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,3-Dichlorobenzene	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Carbon tetrachloride	ND	F1 cn	0.28	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
2-Hexanone	ND	F1 cn	0.56	0.084	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Acetone	ND	F1 cn	1.1	0.33	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Chloroform	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Benzene	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,1,1-Trichloroethane	ND	F1 cn	0.28	0.039	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Bromomethane	ND	F1 cn	0.28	0.089	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Chloromethane	ND	F1 cn	0.28	0.050	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Bromochloromethane	ND	F1 cn	0.28	0.039	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Chloroethane	ND	F1 cn	0.28	0.084	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Vinyl chloride	ND	F1 cn	0.28	0.045	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Methylene Chloride	ND	F1 cn	0.28	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Carbon disulfide	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Bromoform	ND	F1 cn	0.56	0.28	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Bromodichloromethane	ND	F1 cn	0.28	0.039	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,1-Dichloroethane	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,1-Dichloroethene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Trichlorofluoromethane	ND	F1 cn	0.28	0.045	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Dichlorodifluoromethane	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Freon 113	ND	F1 cn	0.56	0.039	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,2-Dichloropropane	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
2-Butanone	ND	F1 cn	0.56	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,1,2-Trichloroethane	ND	F1 cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Trichloroethene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Methyl acetate	ND	F1 cn	0.28	0.056	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,1,2,2-Tetrachloroethane	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50

Client Sample ID: SB-2-1
Date Collected: 06/13/24 10:50
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-3
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	F1 cn	0.56	0.28	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
o-Xylene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,2-Dichlorobenzene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
1,2-Dibromo-3-Chloropropane	ND	F1 cn	0.28	0.056	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
Isopropylbenzene	ND	F1 cn	0.28	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50
m&p-Xylene	ND	F1 cn	0.28	0.056	mg/Kg	☼	06/23/24 00:09	06/26/24 16:30	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*	*cn*	*54 - 135*	*06/23/24 00:09*	*06/26/24 16:30*	*50*
4-Bromofluorobenzene (Surr)	*79*	*cn*	*50 - 131*	*06/23/24 00:09*	*06/26/24 16:30*	*50*
Dibromofluoromethane (Surr)	*77*	*cn*	*50 - 141*	*06/23/24 00:09*	*06/26/24 16:30*	*50*
Toluene-d8 (Surr)	*79*	*cn*	*52 - 141*	*06/23/24 00:09*	*06/26/24 16:30*	*50*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.2**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Acenaphthylene	**2.4**		1.8	0.36	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Anthracene	**2.6**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Benzo[a]anthracene	**11**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Benzo[a]pyrene	**6.6**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Benzo[b]fluoranthene	**36**	**F1**	1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Benzo[g,h,i]perylene	**24**	**F1**	1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Benzo[k]fluoranthene	**14**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Chrysene	**37**	**F1**	1.8	0.36	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Dibenz(a,h)anthracene	**6.8**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Fluoranthene	**4.7**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Fluorene	**0.90**	**J**	1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Indeno[1,2,3-cd]pyrene	**18**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Naphthalene	**16**	**F1**	3.6	1.4	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Phenanthrene	**14**	**F1**	2.5	1.1	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1
Pyrene	**5.2**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*94*		*15 - 126*	*06/25/24 17:20*	*06/27/24 03:22*	*1*
Benzo(a)pyrene-d12 (Surr)	*100*		*10 - 122*	*06/25/24 17:20*	*06/27/24 03:22*	*1*
1-Methylnaphthalene-d10 (Surr)	*85*		*22 - 120*	*06/25/24 17:20*	*06/27/24 03:22*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
1,2,4,5-Tetrachlorobenzene	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
1,4-Dioxane	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
1-Methylnaphthalene	**0.043**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2,2'-oxybis[1-chloropropane]	ND		0.047	0.021	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2,3,4,6-Tetrachlorophenol	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2,4,5-Trichlorophenol	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2,4,6-Trichlorophenol	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2,4-Dichlorophenol	ND		0.047	0.021	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2,4-Dimethylphenol	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2,4-Dinitrophenol	ND		1.1	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-2-1
Date Collected: 06/13/24 10:50
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-3
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2,6-Dinitrotoluene	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2-Chloronaphthalene	ND		0.036	0.014	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2-Chlorophenol	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2-Methylnaphthalene	**0.057**		0.018	0.0054	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2-Methylphenol	ND		0.054	0.021	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2-Nitroaniline	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
2-Nitrophenol	ND		0.054	0.021	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
3,3'-Dichlorobenzidine	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
3-Nitroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
4,6-Dinitro-2-methylphenol	ND		0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
4-Bromophenyl-phenylether	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
4-Chloro-3-methylphenol	ND		0.054	0.021	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
4-Chloroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
4-Chlorophenyl-phenyl ether	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
4-Methylphenol	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
4-Nitroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
4-Nitrophenol	ND		0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Acenaphthene	ND		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Acenaphthylene	ND		0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Acetophenone	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Anthracene	ND		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Atrazine	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Benzaldehyde	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Benzo[a]anthracene	**0.0093**	**J**	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Benzo[a]pyrene	**0.0072**	**J**	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Benzo[b]fluoranthene	**0.032**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Benzo[g,h,i]perylene	**0.025**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Benzo[k]fluoranthene	**0.0090**	**J**	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Butylbenzylphthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Caprolactam	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Carbazole	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Chrysene	**0.028**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Di-n-butyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Di-n-octyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Dibenz(a,h)anthracene	ND		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Dibenzofuran	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Diethyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Dimethyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Fluoranthene	**0.0049**	**J**	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Fluorene	ND		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Hexachlorobenzene	ND		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Hexachlorobutadiene	ND		0.054	0.021	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Hexachlorocyclopentadiene	ND	cn	0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Hexachloroethane	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Indeno[1,2,3-cd]pyrene	**0.014**	**J**	0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Isophorone	ND		0.072	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
N-Nitrosodi-n-propylamine	ND		0.072	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
N-Nitrosodiphenylamine	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1

Client Sample ID: SB-2-1
Date Collected: 06/13/24 10:50
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-3
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.014	J	0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Nitrobenzene	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Pentachlorophenol	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Phenanthrene	0.013	J	0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Phenol	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Pyrene	0.0052	J	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Pyridine	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Bis(2-chloroethoxy)methane	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Bis(2-chloroethyl)ether	ND		0.039	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1
Bis(2-ethylhexyl) phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*13 - 127*	*06/25/24 17:22*	*06/26/24 21:43*	*1*
2-Fluorobiphenyl (Surr)	*68*		*29 - 120*	*06/25/24 17:22*	*06/26/24 21:43*	*1*
2-Fluorophenol (Surr)	*63*		*18 - 120*	*06/25/24 17:22*	*06/26/24 21:43*	*1*
Nitrobenzene-d5 (Surr)	*61*		*22 - 120*	*06/25/24 17:22*	*06/26/24 21:43*	*1*
p-Terphenyl-d14 (Surr)	*76*		*36 - 123*	*06/25/24 17:22*	*06/26/24 21:43*	*1*
Phenol-d5 (Surr)	*65*		*20 - 120*	*06/25/24 17:22*	*06/26/24 21:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1
PCB-1221 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1
PCB-1232 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1
PCB-1242 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1
PCB-1248 (1C)	ND		0.019	0.0058	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1
PCB-1254 (1C)	ND		0.019	0.0070	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1
PCB-1260 (1C)	ND	F1	0.019	0.0070	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1
PCB-1262 (1C)	ND		0.019	0.0070	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1
PCB-1268 (1C)	ND		0.019	0.0070	mg/Kg	☼	06/26/24 09:32	06/26/24 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*83*		*66 - 130*	*06/26/24 09:32*	*06/26/24 21:51*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*93*		*66 - 130*	*06/26/24 09:32*	*06/26/24 21:51*	*1*
Tetrachloro-m-xylene (1C)	*94*		*68 - 130*	*06/26/24 09:32*	*06/26/24 21:51*	*1*
Tetrachloro-m-xylene (2C)	*103*		*68 - 130*	*06/26/24 09:32*	*06/26/24 21:51*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18000	^2	21	10	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Antimony	ND	F1 F2	0.21	0.084	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Arsenic	2.8		0.42	0.14	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Barium	23	F1	0.42	0.19	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Beryllium	0.76		0.10	0.025	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Cadmium	0.051	J	0.10	0.042	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Calcium	1100	F1	42	21	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Chromium	16		0.42	0.20	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Cobalt	3.1		0.21	0.084	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Copper	28	F1	0.42	0.19	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Iron	47000	^2	100	48	mg/Kg	☼	06/19/24 08:30	06/27/24 17:24	10

Client Sample ID: SB-2-1

Lab Sample ID: 410-175929-3

Date Collected: 06/13/24 10:50
Matrix: Solid
Date Received: 06/14/24 09:40
Percent Solids: 91.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24	F2	0.21	0.080	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Magnesium	340	F1	10	5.1	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Manganese	53	F1	0.42	0.21	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Nickel	9.7		0.42	0.20	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Potassium	430	F1	42	17	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Selenium	0.67		0.42	0.10	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Silver	ND		0.10	0.043	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Sodium	76		52	25	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Thallium	0.11		0.10	0.041	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Zinc	66	F1 F2	31	4.2	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2
Vanadium	20	F1	0.84	0.21	mg/Kg	☼	06/19/24 08:30	06/27/24 17:22	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029	J	0.064	0.021	mg/Kg	☼	06/19/24 10:45	06/20/24 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.3		1.0	1.0	%			06/18/24 11:18	1
Percent Solids (EPA Moisture)	91.7		1.0	1.0	%			06/18/24 11:18	1

Client Sample ID: SB-2-2

Lab Sample ID: 410-175929-4

Date Collected: 06/13/24 11:30
Matrix: Solid
Date Received: 06/14/24 09:40
Percent Solids: 88.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	0.27	0.022	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Styrene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
cis-1,3-Dichloropropene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
trans-1,3-Dichloropropene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2,3-Trichloropropane	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,4-Dichlorobenzene	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2-Dibromoethane	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2-Dichloroethane	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2,4-Trimethylbenzene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
4-Methyl-2-pentanone	ND	cn	0.55	0.082	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Methylcyclohexane	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Toluene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Chlorobenzene	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Cyclohexane	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2,4-Trichlorobenzene	ND	cn	0.55	0.27	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Dibromochloromethane	ND	cn	0.27	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Tetrachloroethene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Xylenes, Total	ND	cn	0.27	0.076	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,3,5-Trimethylbenzene	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
cis-1,2-Dichloroethene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
trans-1,2-Dichloroethene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Methyl tertiary butyl ether	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,3-Dichlorobenzene	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: SB-2-2
Date Collected: 06/13/24 11:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-4
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND	cn	0.27	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
2-Hexanone	ND	cn	0.55	0.082	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Acetone	ND	cn	1.1	0.33	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Chloroform	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Benzene	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,1,1-Trichloroethane	ND	cn	0.27	0.038	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Bromomethane	ND	cn	0.27	0.087	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Chloromethane	ND	cn	0.27	0.049	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Bromochloromethane	ND	cn	0.27	0.038	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Chloroethane	ND	cn	0.27	0.082	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Vinyl chloride	ND	cn	0.27	0.044	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Methylene Chloride	ND	cn	0.27	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Carbon disulfide	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Bromoform	ND	cn	0.55	0.27	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Bromodichloromethane	ND	cn	0.27	0.038	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,1-Dichloroethane	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,1-Dichloroethene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Trichlorofluoromethane	ND	cn	0.27	0.044	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Dichlorodifluoromethane	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Freon 113	ND	cn	0.55	0.038	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2-Dichloropropane	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
2-Butanone	ND	cn	0.55	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,1,2-Trichloroethane	ND	cn	0.27	0.027	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Trichloroethene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Methyl acetate	ND	cn	0.27	0.055	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,1,2,2-Tetrachloroethane	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2,3-Trichlorobenzene	ND	cn	0.55	0.27	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
o-Xylene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2-Dichlorobenzene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
1,2-Dibromo-3-Chloropropane	ND	cn	0.27	0.055	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
Isopropylbenzene	ND	cn	0.27	0.033	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50
m&p-Xylene	ND	cn	0.27	0.055	mg/Kg	☼	06/23/24 00:09	06/26/24 17:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*	*cn*	*54 - 135*	*06/23/24 00:09*	*06/26/24 17:33*	*50*
4-Bromofluorobenzene (Surr)	*75*	*cn*	*50 - 131*	*06/23/24 00:09*	*06/26/24 17:33*	*50*
Dibromofluoromethane (Surr)	*75*	*cn*	*50 - 141*	*06/23/24 00:09*	*06/26/24 17:33*	*50*
Toluene-d8 (Surr)	*75*	*cn*	*52 - 141*	*06/23/24 00:09*	*06/26/24 17:33*	*50*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.5**		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Acenaphthylene	**2.2**		1.9	0.37	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Anthracene	**9.1**		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Benzo[a]anthracene	**4.5**		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Benzo[a]pyrene	**2.1**		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Benzo[b]fluoranthene	**3.6**		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Benzo[g,h,i]perylene	**2.9**		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Benzo[k]fluoranthene	ND		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Chrysene	**9.7**		1.9	0.37	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1

Client Sample ID: SB-2-2
Date Collected: 06/13/24 11:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-4
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.78	J	1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Fluoranthene	4.1		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Fluorene	1.9		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Indeno[1,2,3-cd]pyrene	1.5	J	1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Naphthalene	18		3.7	1.5	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Phenanthrene	76		2.6	1.1	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1
Pyrene	11		1.9	0.75	ug/Kg	☼	06/25/24 17:20	06/27/24 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*90*		*15 - 126*	*06/25/24 17:20*	*06/27/24 05:18*	*1*
Benzo(a)pyrene-d12 (Surr)	*92*		*10 - 122*	*06/25/24 17:20*	*06/27/24 05:18*	*1*
1-Methylnaphthalene-d10 (Surr)	*82*		*22 - 120*	*06/25/24 17:20*	*06/27/24 05:18*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
1,2,4,5-Tetrachlorobenzene	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
1,4-Dioxane	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
1-Methylnaphthalene	0.063		0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,2'-oxybis[1-chloropropane]	ND		0.049	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,3,4,6-Tetrachlorophenol	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,4,5-Trichlorophenol	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,4,6-Trichlorophenol	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,4-Dichlorophenol	ND		0.049	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,4-Dimethylphenol	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,4-Dinitrophenol	ND		1.1	0.19	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,4-Dinitrotoluene	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2,6-Dinitrotoluene	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2-Chloronaphthalene	ND		0.037	0.015	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2-Chlorophenol	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2-Methylnaphthalene	0.16		0.019	0.0056	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2-Methylphenol	ND		0.056	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2-Nitroaniline	ND		0.056	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
2-Nitrophenol	ND		0.056	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
3,3'-Dichlorobenzidine	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
3-Nitroaniline	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
4,6-Dinitro-2-methylphenol	ND		0.56	0.19	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
4-Bromophenyl-phenylether	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
4-Chloro-3-methylphenol	ND		0.056	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
4-Chloroaniline	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
4-Chlorophenyl-phenyl ether	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
4-Methylphenol	ND		0.056	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
4-Nitroaniline	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
4-Nitrophenol	ND		0.56	0.19	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Acenaphthene	0.0040	J	0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Acenaphthylene	ND		0.019	0.0045	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Acetophenone	ND		0.056	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Anthracene	0.010	J	0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Atrazine	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Benzaldehyde	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1

Client Sample ID: SB-2-2
Date Collected: 06/13/24 11:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-4
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Benzo[a]pyrene	ND		0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Benzo[b]fluoranthene	ND		0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Benzo[g,h,i]perylene	**0.0039**	**J**	0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Benzo[k]fluoranthene	ND		0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Butylbenzylphthalate	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Caprolactam	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Carbazole	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Chrysene	**0.010**	**J**	0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Di-n-butyl phthalate	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Di-n-octyl phthalate	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Dibenz(a,h)anthracene	ND		0.019	0.0075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Dibenzofuran	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Diethyl phthalate	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Dimethyl phthalate	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Fluoranthene	ND		0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Fluorene	ND		0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Hexachlorobenzene	ND		0.019	0.0075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Hexachlorobutadiene	ND		0.056	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Hexachlorocyclopentadiene	ND	cn	0.56	0.19	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Hexachloroethane	ND		0.19	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Indeno[1,2,3-cd]pyrene	ND		0.019	0.0045	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Isophorone	ND		0.075	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
N-Nitrosodi-n-propylamine	ND		0.075	0.037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
N-Nitrosodiphenylamine	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Naphthalene	**0.017**	**J**	0.019	0.0075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Nitrobenzene	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Pentachlorophenol	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Phenanthrene	**0.070**		0.019	0.0045	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Phenol	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Pyrene	**0.012**	**J**	0.019	0.0037	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Pyridine	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Bis(2-chloroethoxy)methane	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Bis(2-chloroethyl)ether	ND		0.041	0.019	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1
Bis(2-ethylhexyl) phthalate	ND		0.19	0.075	mg/Kg	☼	06/25/24 17:22	06/26/24 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*13 - 127*	*06/25/24 17:22*	*06/26/24 23:16*	*1*
2-Fluorobiphenyl (Surr)	*72*		*29 - 120*	*06/25/24 17:22*	*06/26/24 23:16*	*1*
2-Fluorophenol (Surr)	*68*		*18 - 120*	*06/25/24 17:22*	*06/26/24 23:16*	*1*
Nitrobenzene-d5 (Surr)	*66*		*22 - 120*	*06/25/24 17:22*	*06/26/24 23:16*	*1*
p-Terphenyl-d14 (Surr)	*80*		*36 - 123*	*06/25/24 17:22*	*06/26/24 23:16*	*1*
Phenol-d5 (Surr)	*70*		*20 - 120*	*06/25/24 17:22*	*06/26/24 23:16*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.019	0.0060	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1
PCB-1221 (1C)	ND		0.019	0.0060	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1
PCB-1232 (1C)	ND		0.019	0.0060	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1
PCB-1242 (1C)	ND		0.019	0.0060	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1

Client Sample ID: SB-2-2
Date Collected: 06/13/24 11:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-4
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248 (1C)	ND		0.019	0.0060	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1
PCB-1254 (1C)	ND		0.019	0.0072	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1
PCB-1260 (1C)	ND		0.019	0.0072	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1
PCB-1262 (1C)	ND		0.019	0.0072	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1
PCB-1268 (1C)	ND		0.019	0.0072	mg/Kg	☼	06/29/24 10:50	07/01/24 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*99*	*cn*	*66 - 130*	*06/29/24 10:50*	*07/01/24 11:03*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*110*	*cn*	*66 - 130*	*06/29/24 10:50*	*07/01/24 11:03*	*1*
Tetrachloro-m-xylene (1C)	*86*		*68 - 130*	*06/29/24 10:50*	*07/01/24 11:03*	*1*
Tetrachloro-m-xylene (2C)	*92*		*68 - 130*	*06/29/24 10:50*	*07/01/24 11:03*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**21000**	**^2**	110	52	mg/Kg	☼	06/19/24 08:30	06/27/24 18:21	10
Antimony	**0.091**	**J**	0.21	0.085	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Arsenic	**4.2**		0.42	0.14	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Barium	**29**		0.42	0.19	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Beryllium	**0.52**		0.11	0.025	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Cadmium	ND		0.11	0.042	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Calcium	**680**		42	21	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Chromium	**25**		0.42	0.20	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Cobalt	**2.9**		0.21	0.085	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Copper	**17**		0.42	0.19	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Iron	**33000**	**^2**	110	49	mg/Kg	☼	06/19/24 08:30	06/27/24 18:21	10
Lead	**13**		0.21	0.080	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Magnesium	**280**		11	5.2	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Manganese	**67**	**^2**	0.42	0.21	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Nickel	**7.5**		0.42	0.20	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Potassium	**620**		42	17	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Selenium	**0.81**		0.42	0.11	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Silver	ND		0.11	0.043	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Sodium	**31**	**J**	53	25	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Thallium	**0.16**		0.11	0.042	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Zinc	**32**		32	4.2	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2
Vanadium	**30**		0.85	0.21	mg/Kg	☼	06/19/24 08:30	06/27/24 17:59	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.058**	**J**	0.066	0.022	mg/Kg	☼	06/19/24 10:45	06/20/24 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.8**		1.0	1.0	%			06/19/24 14:00	1
Percent Solids (EPA Moisture)	**88.2**		1.0	1.0	%			06/19/24 14:00	1

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: FIELD DUP
Date Collected: 06/13/24 00:00
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-5
Matrix: Solid
Percent Solids: 91.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	cn	0.28	0.023	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Styrene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
cis-1,3-Dichloropropene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
trans-1,3-Dichloropropene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,2,3-Trichloropropane	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,4-Dichlorobenzene	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,2-Dibromoethane	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,2-Dichloroethane	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,2,4-Trimethylbenzene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
4-Methyl-2-pentanone	ND	cn	0.57	0.085	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Methylcyclohexane	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Toluene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Chlorobenzene	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Cyclohexane	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,2,4-Trichlorobenzene	ND	cn	0.57	0.28	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Dibromochloromethane	ND	cn	0.28	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Tetrachloroethene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Xylenes, Total	ND	cn	0.28	0.080	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,3,5-Trimethylbenzene	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
cis-1,2-Dichloroethene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
trans-1,2-Dichloroethene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Methyl tertiary butyl ether	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,3-Dichlorobenzene	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Carbon tetrachloride	ND	cn	0.28	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
2-Hexanone	ND	cn	0.57	0.085	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Acetone	ND	cn	1.1	0.34	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Chloroform	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Benzene	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,1,1-Trichloroethane	ND	cn	0.28	0.040	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Bromomethane	ND	cn	0.28	0.091	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Chloromethane	ND	cn	0.28	0.051	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Bromochloromethane	ND	cn	0.28	0.040	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Chloroethane	ND	cn	0.28	0.085	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Vinyl chloride	ND	cn	0.28	0.045	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Methylene Chloride	ND	cn	0.28	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Carbon disulfide	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Bromoform	ND	cn	0.57	0.28	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Bromodichloromethane	ND	cn	0.28	0.040	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,1-Dichloroethane	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,1-Dichloroethene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Trichlorofluoromethane	ND	cn	0.28	0.045	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Dichlorodifluoromethane	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Freon 113	ND	cn	0.57	0.040	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,2-Dichloropropane	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
2-Butanone	ND	cn	0.57	0.11	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,1,2-Trichloroethane	ND	cn	0.28	0.028	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Trichloroethene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Methyl acetate	ND	cn	0.28	0.057	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,1,2,2-Tetrachloroethane	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50

Client Sample ID: FIELD DUP
Date Collected: 06/13/24 00:00
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-5
Matrix: Solid
Percent Solids: 91.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND	cn	0.57	0.28	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
o-Xylene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,2-Dichlorobenzene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
1,2-Dibromo-3-Chloropropane	ND	cn	0.28	0.057	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
Isopropylbenzene	ND	cn	0.28	0.034	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50
m&p-Xylene	ND	cn	0.28	0.057	mg/Kg	☼	06/23/24 00:09	06/26/24 17:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*75*	*cn*	*54 - 135*	*06/23/24 00:09*	*06/26/24 17:54*	*50*
4-Bromofluorobenzene (Surr)	*69*	*cn*	*50 - 131*	*06/23/24 00:09*	*06/26/24 17:54*	*50*
Dibromofluoromethane (Surr)	*73*	*cn*	*50 - 141*	*06/23/24 00:09*	*06/26/24 17:54*	*50*
Toluene-d8 (Surr)	*73*	*cn*	*52 - 141*	*06/23/24 00:09*	*06/26/24 17:54*	*50*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**4.0**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Acenaphthylene	**8.0**		1.8	0.36	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Anthracene	**32**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Benzo[a]anthracene	**170**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Benzo[a]pyrene	**93**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Benzo[g,h,i]perylene	**260**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Benzo[k]fluoranthene	**140**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Dibenz(a,h)anthracene	**110**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Fluoranthene	**220**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Fluorene	**8.1**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Indeno[1,2,3-cd]pyrene	**260**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Naphthalene	**82**		3.6	1.4	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Phenanthrene	**220**		2.5	1.1	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1
Pyrene	**140**		1.8	0.72	ug/Kg	☼	06/25/24 17:20	06/27/24 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*103*		*15 - 126*	*06/25/24 17:20*	*06/27/24 08:06*	*1*
Benzo(a)pyrene-d12 (Surr)	*90*		*10 - 122*	*06/25/24 17:20*	*06/27/24 08:06*	*1*
1-Methylnaphthalene-d10 (Surr)	*76*		*22 - 120*	*06/25/24 17:20*	*06/27/24 08:06*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**760**		9.0	3.6	ug/Kg	☼	06/25/24 17:20	06/28/24 05:26	5
Chrysene	**610**		9.0	1.8	ug/Kg	☼	06/25/24 17:20	06/28/24 05:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*126*		*15 - 126*	*06/25/24 17:20*	*06/28/24 05:26*	*5*
Benzo(a)pyrene-d12 (Surr)	*99*		*10 - 122*	*06/25/24 17:20*	*06/28/24 05:26*	*5*
1-Methylnaphthalene-d10 (Surr)	*84*		*22 - 120*	*06/25/24 17:20*	*06/28/24 05:26*	*5*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.024**	**J**	0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
1,2,4,5-Tetrachlorobenzene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
1,4-Dioxane	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
1-Methylnaphthalene	**0.025**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: FIELD DUP
Date Collected: 06/13/24 00:00
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-5
Matrix: Solid
Percent Solids: 91.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		0.047	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2,3,4,6-Tetrachlorophenol	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2,4,5-Trichlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2,4,6-Trichlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2,4-Dichlorophenol	ND		0.047	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2,4-Dimethylphenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2,4-Dinitrophenol	ND		1.1	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2,4-Dinitrotoluene	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2,6-Dinitrotoluene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2-Chloronaphthalene	ND		0.036	0.014	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2-Chlorophenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2-Methylnaphthalene	**0.063**		0.018	0.0054	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2-Methylphenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2-Nitroaniline	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
2-Nitrophenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
3,3'-Dichlorobenzidine	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
3-Nitroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
4,6-Dinitro-2-methylphenol	ND		0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
4-Bromophenyl-phenylether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
4-Chloro-3-methylphenol	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
4-Chloroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
4-Chlorophenyl-phenyl ether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
4-Methylphenol	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
4-Nitroaniline	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
4-Nitrophenol	ND		0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Acenaphthene	ND		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Acenaphthylene	**0.010**	**J**	0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Acetophenone	ND		0.054	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Anthracene	**0.039**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Atrazine	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Benzaldehyde	**0.036**	**J**	0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Benzo[a]anthracene	**0.20**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Benzo[a]pyrene	**0.096**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Benzo[b]fluoranthene	**0.59**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Benzo[g,h,i]perylene	**0.27**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Benzo[k]fluoranthene	**0.12**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Butylbenzylphthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Caprolactam	**0.051**	**J**	0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Carbazole	**0.032**	**J**	0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Chrysene	**0.51**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Di-n-butyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Di-n-octyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Dibenz(a,h)anthracene	**0.11**		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Dibenzofuran	**0.045**		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Diethyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Dimethyl phthalate	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Fluoranthene	**0.22**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Fluorene	**0.0096**	**J**	0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Hexachlorobenzene	ND		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1

Client Sample ID: FIELD DUP
Date Collected: 06/13/24 00:00
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-5
Matrix: Solid
Percent Solids: 91.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		0.054	0.022	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Hexachlorocyclopentadiene	ND	cn	0.54	0.18	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Hexachloroethane	ND		0.18	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Indeno[1,2,3-cd]pyrene	**0.20**		0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Isophorone	ND		0.072	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
N-Nitrosodi-n-propylamine	ND		0.072	0.036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
N-Nitrosodiphenylamine	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Naphthalene	**0.076**		0.018	0.0072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Nitrobenzene	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Pentachlorophenol	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Phenanthrene	**0.21**		0.018	0.0043	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Phenol	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Pyrene	**0.15**		0.018	0.0036	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Pyridine	ND		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Bis(2-chloroethoxy)methane	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Bis(2-chloroethyl)ether	ND		0.040	0.018	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1
Bis(2-ethylhexyl) phthalate	**0.40**		0.18	0.072	mg/Kg	☼	06/25/24 17:22	06/26/24 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*13 - 127*	*06/25/24 17:22*	*06/26/24 23:40*	*1*
2-Fluorobiphenyl (Surr)	*67*		*29 - 120*	*06/25/24 17:22*	*06/26/24 23:40*	*1*
2-Fluorophenol (Surr)	*60*		*18 - 120*	*06/25/24 17:22*	*06/26/24 23:40*	*1*
Nitrobenzene-d5 (Surr)	*59*		*22 - 120*	*06/25/24 17:22*	*06/26/24 23:40*	*1*
p-Terphenyl-d14 (Surr)	*80*		*36 - 123*	*06/25/24 17:22*	*06/26/24 23:40*	*1*
Phenol-d5 (Surr)	*62*		*20 - 120*	*06/25/24 17:22*	*06/26/24 23:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1
PCB-1221 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1
PCB-1232 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1
PCB-1242 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1
PCB-1248 (1C)	ND		0.018	0.0057	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1
PCB-1254 (1C)	ND		0.018	0.0069	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1
PCB-1260 (1C)	ND		0.018	0.0069	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1
PCB-1262 (1C)	ND		0.018	0.0069	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1
PCB-1268 (1C)	ND		0.018	0.0069	mg/Kg	☼	06/29/24 10:50	07/01/24 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*89*	*cn*	*66 - 130*	*06/29/24 10:50*	*07/01/24 10:53*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*104*	*cn*	*66 - 130*	*06/29/24 10:50*	*07/01/24 10:53*	*1*
Tetrachloro-m-xylene (1C)	*93*		*68 - 130*	*06/29/24 10:50*	*07/01/24 10:53*	*1*
Tetrachloro-m-xylene (2C)	*97*		*68 - 130*	*06/29/24 10:50*	*07/01/24 10:53*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**27000**	**^2**	100	52	mg/Kg	☼	06/24/24 21:00	06/25/24 13:59	10
Antimony	**0.71**		0.21	0.084	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Arsenic	**12**		0.42	0.14	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Barium	**140**		0.42	0.19	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2

Client Sample ID: FIELD DUP

Lab Sample ID: 410-175929-5

Date Collected: 06/13/24 00:00
Matrix: Solid
Date Received: 06/14/24 09:40
Percent Solids: 91.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.99		0.10	0.025	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Cadmium	0.33		0.10	0.042	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Calcium	4600		42	21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Chromium	23		0.42	0.20	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Cobalt	5.3	^2	0.21	0.084	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Copper	40		0.42	0.19	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Iron	78000	^2	100	48	mg/Kg	☼	06/24/24 21:00	06/25/24 13:59	10
Lead	230		1.0	0.40	mg/Kg	☼	06/24/24 21:00	06/25/24 13:59	10
Magnesium	640		10	5.1	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Manganese	140	^2	0.42	0.21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Nickel	16		0.42	0.20	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Potassium	710		42	17	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Selenium	3.4		0.42	0.10	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Silver	0.055	J	0.10	0.042	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Sodium	410		52	25	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Thallium	0.38		0.10	0.041	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Zinc	140		31	4.2	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2
Vanadium	35		0.84	0.21	mg/Kg	☼	06/24/24 21:00	06/25/24 13:57	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.065	0.022	mg/Kg	☼	06/19/24 10:45	06/20/24 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.1		1.0	1.0	%			06/19/24 14:00	1
Percent Solids (EPA Moisture)	91.9		1.0	1.0	%			06/19/24 14:00	1

Client Sample ID: Trip Blank 1

Lab Sample ID: 410-175929-6

Date Collected: 06/13/24 00:00
Matrix: Water
Date Received: 06/14/24 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.080	ug/L			06/26/24 17:00	1
Styrene	ND		0.50	0.070	ug/L			06/26/24 17:00	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/26/24 17:00	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/26/24 17:00	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			06/26/24 17:00	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 17:00	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			06/26/24 17:00	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/26/24 17:00	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			06/26/24 17:00	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			06/26/24 17:00	1
Methylcyclohexane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Toluene	ND		0.50	0.080	ug/L			06/26/24 17:00	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/26/24 17:00	1
Cyclohexane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 17:00	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/26/24 17:00	1

Client Sample ID: Trip Blank 1
Date Collected: 06/13/24 00:00
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50	0.20	ug/L			06/26/24 17:00	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			06/26/24 17:00	1
Xylene (total)	ND		1.0	0.070	ug/L			06/26/24 17:00	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/26/24 17:00	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			06/26/24 17:00	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 17:00	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/26/24 17:00	1
2-Hexanone	ND		5.0	2.0	ug/L			06/26/24 17:00	1
Acetone	**5.6**		5.0	1.5	ug/L			06/26/24 17:00	1
Chloroform	ND		0.50	0.090	ug/L			06/26/24 17:00	1
Benzene	ND		0.50	0.10	ug/L			06/26/24 17:00	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/26/24 17:00	1
Bromomethane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Chloromethane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/26/24 17:00	1
Chloroethane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Methylene Chloride	**0.83**		0.50	0.20	ug/L			06/26/24 17:00	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/26/24 17:00	1
Bromoform	ND		1.0	0.30	ug/L			06/26/24 17:00	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/26/24 17:00	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.080	ug/L			06/26/24 17:00	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
2-Butanone	ND		5.0	1.0	ug/L			06/26/24 17:00	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/26/24 17:00	1
Trichloroethene	ND		0.50	0.080	ug/L			06/26/24 17:00	1
Methyl acetate	ND		1.0	0.20	ug/L			06/26/24 17:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 17:00	1
o-Xylene	ND		0.50	0.070	ug/L			06/26/24 17:00	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 17:00	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			06/26/24 17:00	1
Isopropylbenzene	ND		0.50	0.080	ug/L			06/26/24 17:00	1
m&p-Xylene	ND		0.50	0.20	ug/L			06/26/24 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/26/24 17:00*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/26/24 17:00*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/26/24 17:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/26/24 17:00*	*1*

Surrogate Summary

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(54-135)	(50-131)	(50-141)	(52-141)
410-175929-1	SB-1-1	80 cn	76 cn	77 cn	78 cn
410-175929-2	SB-1-2	90 cn	87 cn	88 cn	89 cn
410-175929-3	SB-2-1	80 cn	79 cn	77 cn	79 cn
410-175929-3 MS	SB-2-1 MS	75	76	74	73
410-175929-3 MSD	SB-2-1 MSD	82	83	81	80
410-175929-4	SB-2-2	76 cn	75 cn	75 cn	75 cn
410-175929-5	FIELD DUP	75 cn	69 cn	73 cn	73 cn
LCS 410-521638/5	Lab Control Sample	95	96	95	97
LCSD 410-521638/7	Lab Control Sample Dup	96	93	93	93
MB 410-521638/8	Method Blank	96	93	91	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-175929-6	Trip Blank 1	101	95	102	99
410-176951-A-2 MS	Matrix Spike	101	98	101	100
410-176951-A-2 MSD	Matrix Spike Duplicate	101	99	100	102
LCS 410-521761/5	Lab Control Sample	102	97	101	99
LCSD 410-521761/6	Lab Control Sample Dup	100	98	100	101
MB 410-521761/10	Method Blank	103	95	102	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(13-127)	(29-120)	(18-120)	(22-120)	(36-123)	(20-120)
410-175929-1	SB-1-1	71	66	58	59	73	60
410-175929-2	SB-1-2	76	73	65	65	81	67
410-175929-3	SB-2-1	73	68	63	61	76	65
410-175929-3 MS	SB-2-1 MS	79	75	71	67	86	71
410-175929-3 MSD	SB-2-1 MSD	80	76	73	68	88	73
410-175929-4	SB-2-2	71	72	68	66	80	70
410-175929-5	FIELD DUP	74	67	60	59	80	62
LCS 410-521360/2-A	Lab Control Sample	85	78	75	74	92	76
MB 410-521360/1-A	Method Blank	74	69	67	65	81	69

Surrogate Summary

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		FLN10	BAPd12	MNPd10						
Lab Sample ID	Client Sample ID	(15-126)	(10-122)	(22-120)						
410-175929-1	SB-1-1	112	91	83						
410-175929-1 - DL	SB-1-1	127 S1+	98	87						
410-175929-2	SB-1-2	86	90	79						
410-175929-3	SB-2-1	94	100	85						
410-175929-3 MS	SB-2-1 MS	76	81	70						
410-175929-3 MSD	SB-2-1 MSD	83	89	77						
410-175929-4	SB-2-2	90	92	82						
410-175929-5	FIELD DUP	103	90	76						
410-175929-5 - DL	FIELD DUP	126	99	84						
LCS 410-521357/2-A	Lab Control Sample	80	89	79						
MB 410-521357/1-A	Method Blank	84	92	79						

Surrogate Legend

FLN10 = Fluoranthene-d10 (Surr)
BAPd12 = Benzo(a)pyrene-d12 (Surr)
MNPd10 = 1-Methylnaphthalene-d10 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		DCB1	DCB2	TCX1	TCX2					
Lab Sample ID	Client Sample ID	(66-130)	(66-130)	(68-130)	(68-130)					
410-175929-1	SB-1-1	73	85	87	93					
410-175929-2	SB-1-2	93	100	97	105					
410-175929-3	SB-2-1	83	93	94	103					
410-175929-3 MS	SB-2-1 MS	96	105	101	111					
410-175929-3 MSD	SB-2-1 MSD	81	92	97	106					
410-175929-4	SB-2-2	99 cn	110 cn	86	92					
410-175929-5	FIELD DUP	89 cn	104 cn	93	97					
410-175929-5 MS	FIELD DUP	81 cn	97 cn	87	90					
410-175929-5 MSD	FIELD DUP	84 cn	101 cn	87	92					
LCS 410-521552/2-A	Lab Control Sample	94	108	104	116					
LCS 410-523042/2-A	Lab Control Sample	98	112	92	102					
MB 410-521552/1-A	Method Blank	90	104	107	119					
MB 410-523042/1-A	Method Blank	105	120	97	108					

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 520390

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	ND	F1 cn	1.33	1.39		mg/Kg	☼	104	78 - 120
Styrene	ND	F1 cn	1.33	1.38		mg/Kg	☼	103	76 - 120
cis-1,3-Dichloropropene	ND	F1 cn	1.33	1.34		mg/Kg	☼	100	66 - 120
trans-1,3-Dichloropropene	ND	F1 cn	1.33	1.31		mg/Kg	☼	98	68 - 122
1,2,3-Trichloropropane	ND	F1 cn	1.33	1.34		mg/Kg	☼	101	75 - 125
1,4-Dichlorobenzene	ND	F1 cn	1.33	1.37		mg/Kg	☼	103	80 - 120
1,2-Dibromoethane	ND	F1 cn	1.33	1.36		mg/Kg	☼	102	76 - 120
1,2-Dichloroethane	ND	F1 cn	1.33	1.29		mg/Kg	☼	97	71 - 128
1,2,4-Trimethylbenzene	ND	F1 cn	1.33	1.38		mg/Kg	☼	104	73 - 120
4-Methyl-2-pentanone	ND	F1 cn	16.6	16.3		mg/Kg	☼	98	67 - 128
Methylcyclohexane	ND	F1 cn	1.33	1.19		mg/Kg	☼	89	61 - 124
Toluene	ND	F1 cn	1.33	1.35		mg/Kg	☼	101	80 - 120
Chlorobenzene	ND	F1 cn	1.33	1.39		mg/Kg	☼	104	80 - 120
Cyclohexane	ND	F1 cn	1.33	1.11		mg/Kg	☼	83	58 - 126
1,2,4-Trichlorobenzene	ND	F1 cn	1.33	1.38		mg/Kg	☼	104	56 - 130
Dibromochloromethane	ND	F1 cn	1.33	1.30		mg/Kg	☼	98	69 - 125
Tetrachloroethene	ND	F1 cn	1.33	1.43		mg/Kg	☼	107	73 - 120
Xylenes, Total	ND	F1 cn	3.99	4.16		mg/Kg	☼	104	75 - 120
1,3,5-Trimethylbenzene	ND	F1 cn	1.33	1.39		mg/Kg	☼	105	73 - 120
cis-1,2-Dichloroethene	ND	F1 cn	1.33	1.34		mg/Kg	☼	101	80 - 123
trans-1,2-Dichloroethene	ND	F1 cn	1.33	1.27		mg/Kg	☼	96	80 - 125
Methyl tertiary butyl ether	ND	F1 cn	1.33	1.25		mg/Kg	☼	94	72 - 120
1,3-Dichlorobenzene	ND	F1 cn	1.33	1.39		mg/Kg	☼	104	75 - 120
Carbon tetrachloride	ND	F1 cn	1.33	1.41		mg/Kg	☼	106	64 - 134
2-Hexanone	ND	F1 cn	16.6	16.5		mg/Kg	☼	99	54 - 140
Acetone	ND	F1 cn	16.6	17.5		mg/Kg	☼	105	41 - 150
Chloroform	ND	F1 cn	1.33	1.32		mg/Kg	☼	99	80 - 120
Benzene	ND	F1 cn	1.33	1.33		mg/Kg	☼	100	80 - 120
1,1,1-Trichloroethane	ND	F1 cn	1.33	1.44		mg/Kg	☼	108	69 - 123
Bromomethane	ND	F1 cn	66.5	1.33	F1	mg/Kg	☼	2	45 - 140
Chloromethane	ND	F1 cn	66.5	0.619	F1	mg/Kg	☼	0.9	56 - 120
Bromochloromethane	ND	F1 cn	1.33	1.37		mg/Kg	☼	103	72 - 124
Chloroethane	ND	F1 cn	66.5	1.35	F1	mg/Kg	☼	2	43 - 135
Vinyl chloride	ND	F1 cn	66.5	0.725	F1	mg/Kg	☼	1	52 - 120
Methylene Chloride	ND	F1 cn	1.33	1.26		mg/Kg	☼	95	76 - 122
Carbon disulfide	ND	F1 cn	1.33	1.01		mg/Kg	☼	76	64 - 133
Bromoform	ND	F1 cn	1.33	1.46		mg/Kg	☼	109	51 - 127
Bromodichloromethane	ND	F1 cn	1.33	1.45		mg/Kg	☼	109	70 - 120
1,1-Dichloroethane	ND	F1 cn	1.33	1.30		mg/Kg	☼	98	79 - 120
1,1-Dichloroethene	ND	F1 cn	1.33	1.23		mg/Kg	☼	93	73 - 129
Trichlorofluoromethane	ND	F1 cn	66.5	1.02	F1	mg/Kg	☼	2	55 - 134
Dichlorodifluoromethane	ND	F1 cn	66.5	0.429	F1	mg/Kg	☼	0.6	21 - 127
Freon 113	ND	F1 cn	1.33	1.01		mg/Kg	☼	76	64 - 135
1,2-Dichloropropane	ND	F1 cn	1.33	1.33		mg/Kg	☼	100	80 - 120
2-Butanone	ND	F1 cn	16.6	15.7		mg/Kg	☼	94	57 - 128
1,1,2-Trichloroethane	ND	F1 cn	1.33	1.38		mg/Kg	☼	104	80 - 120
Trichloroethene	ND	F1 cn	1.33	1.36		mg/Kg	☼	102	80 - 120
Methyl acetate	ND	F1 cn	1.33	1.26		mg/Kg	☼	95	67 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 520390

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	ND	F1 cn	1.33	1.35		mg/Kg	☼	101	69 - 125
1,2,3-Trichlorobenzene	ND	F1 cn	1.33	1.35		mg/Kg	☼	101	57 - 131
o-Xylene	ND	F1 cn	1.33	1.37		mg/Kg	☼	103	75 - 120
1,2-Dichlorobenzene	ND	F1 cn	1.33	1.36		mg/Kg	☼	102	76 - 120
1,2-Dibromo-3-Chloropropane	ND	F1 cn	1.33	1.14		mg/Kg	☼	85	48 - 134
Isopropylbenzene	ND	F1 cn	1.33	1.48		mg/Kg	☼	111	77 - 120
m&p-Xylene	ND	F1 cn	2.66	2.79		mg/Kg	☼	105	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*75*		*54 - 135*
4-Bromofluorobenzene (Surr)	*76*		*50 - 131*
Dibromofluoromethane (Surr)	*74*		*50 - 141*
Toluene-d8 (Surr)	*73*		*52 - 141*

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 520390

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	ND	F1 cn	1.19	1.31		mg/Kg	☼	109	78 - 120	6	30
Styrene	ND	F1 cn	1.19	1.31		mg/Kg	☼	110	76 - 120	5	30
cis-1,3-Dichloropropene	ND	F1 cn	1.19	1.34		mg/Kg	☼	112	66 - 120	0	30
trans-1,3-Dichloropropene	ND	F1 cn	1.19	1.30		mg/Kg	☼	109	68 - 122	1	30
1,2,3-Trichloropropane	ND	F1 cn	1.19	1.40		mg/Kg	☼	117	75 - 125	5	30
1,4-Dichlorobenzene	ND	F1 cn	1.19	1.29		mg/Kg	☼	108	80 - 120	6	30
1,2-Dibromoethane	ND	F1 cn	1.19	1.27		mg/Kg	☼	106	76 - 120	7	30
1,2-Dichloroethane	ND	F1 cn	1.19	1.24		mg/Kg	☼	104	71 - 128	4	30
1,2,4-Trimethylbenzene	ND	F1 cn	1.19	1.49	F1	mg/Kg	☼	125	73 - 120	8	30
4-Methyl-2-pentanone	ND	F1 cn	14.9	17.0		mg/Kg	☼	114	67 - 128	4	30
Methylcyclohexane	ND	F1 cn	1.19	1.18		mg/Kg	☼	99	61 - 124	1	30
Toluene	ND	F1 cn	1.19	1.30		mg/Kg	☼	109	80 - 120	4	30
Chlorobenzene	ND	F1 cn	1.19	1.32		mg/Kg	☼	111	80 - 120	5	30
Cyclohexane	ND	F1 cn	1.19	1.13		mg/Kg	☼	95	58 - 126	2	30
1,2,4-Trichlorobenzene	ND	F1 cn	1.19	1.32		mg/Kg	☼	110	56 - 130	5	30
Dibromochloromethane	ND	F1 cn	1.19	1.23		mg/Kg	☼	103	69 - 125	6	30
Tetrachloroethene	ND	F1 cn	1.19	1.31		mg/Kg	☼	110	73 - 120	8	30
Xylenes, Total	ND	F1 cn	3.58	3.99		mg/Kg	☼	111	75 - 120	4	30
1,3,5-Trimethylbenzene	ND	F1 cn	1.19	1.49	F1	mg/Kg	☼	125	73 - 120	7	30
cis-1,2-Dichloroethene	ND	F1 cn	1.19	1.29		mg/Kg	☼	108	80 - 123	4	30
trans-1,2-Dichloroethene	ND	F1 cn	1.19	1.16		mg/Kg	☼	97	80 - 125	10	30
Methyl tertiary butyl ether	ND	F1 cn	1.19	1.19		mg/Kg	☼	100	72 - 120	5	30
1,3-Dichlorobenzene	ND	F1 cn	1.19	1.46	F1	mg/Kg	☼	122	75 - 120	5	30
Carbon tetrachloride	ND	F1 cn	1.19	1.36		mg/Kg	☼	114	64 - 134	4	30
2-Hexanone	ND	F1 cn	14.9	16.1		mg/Kg	☼	108	54 - 140	3	30
Acetone	ND	F1 cn	14.9	16.0		mg/Kg	☼	108	41 - 150	8	30
Chloroform	ND	F1 cn	1.19	1.28		mg/Kg	☼	107	80 - 120	3	30
Benzene	ND	F1 cn	1.19	1.28		mg/Kg	☼	108	80 - 120	3	30
1,1,1-Trichloroethane	ND	F1 cn	1.19	1.39		mg/Kg	☼	116	69 - 123	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 520390

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	ND	F1 cn	1.19	1.03		mg/Kg	☼	87	45 - 140	25	30
Chloromethane	ND	F1 cn	1.19	0.608	F1	mg/Kg	☼	51	56 - 120	2	30
Bromochloromethane	ND	F1 cn	1.19	1.28		mg/Kg	☼	107	72 - 124	7	30
Chloroethane	ND	F1 cn	1.19	1.18		mg/Kg	☼	99	43 - 135	13	30
Vinyl chloride	ND	F1 cn	1.19	0.686		mg/Kg	☼	57	52 - 120	6	30
Methylene Chloride	ND	F1 cn	1.19	1.17		mg/Kg	☼	98	76 - 122	7	30
Carbon disulfide	ND	F1 cn	1.19	0.967		mg/Kg	☼	81	64 - 133	4	30
Bromoform	ND	F1 cn	1.19	1.36		mg/Kg	☼	114	51 - 127	7	30
Bromodichloromethane	ND	F1 cn	1.19	1.42		mg/Kg	☼	119	70 - 120	2	30
1,1-Dichloroethane	ND	F1 cn	1.19	1.30		mg/Kg	☼	109	79 - 120	0	30
1,1-Dichloroethene	ND	F1 cn	1.19	1.12		mg/Kg	☼	94	73 - 129	10	30
Trichlorofluoromethane	ND	F1 cn	1.19	0.965		mg/Kg	☼	81	55 - 134	6	30
Dichlorodifluoromethane	ND	F1 cn	1.19	0.365		mg/Kg	☼	31	21 - 127	16	30
Freon 113	ND	F1 cn	1.19	0.945		mg/Kg	☼	79	64 - 135	7	30
1,2-Dichloropropane	ND	F1 cn	1.19	1.31		mg/Kg	☼	110	80 - 120	2	30
2-Butanone	ND	F1 cn	14.9	15.2		mg/Kg	☼	102	57 - 128	3	30
1,1,2-Trichloroethane	ND	F1 cn	1.19	1.31		mg/Kg	☼	110	80 - 120	5	30
Trichloroethene	ND	F1 cn	1.19	1.28		mg/Kg	☼	108	80 - 120	6	30
Methyl acetate	ND	F1 cn	1.19	1.13		mg/Kg	☼	94	67 - 128	11	30
1,1,2,2-Tetrachloroethane	ND	F1 cn	1.19	1.46		mg/Kg	☼	123	69 - 125	8	30
1,2,3-Trichlorobenzene	ND	F1 cn	1.19	1.28		mg/Kg	☼	107	57 - 131	5	30
o-Xylene	ND	F1 cn	1.19	1.30		mg/Kg	☼	109	75 - 120	5	30
1,2-Dichlorobenzene	ND	F1 cn	1.19	1.27		mg/Kg	☼	106	76 - 120	7	30
1,2-Dibromo-3-Chloropropane	ND	F1 cn	1.19	1.06		mg/Kg	☼	89	48 - 134	7	30
Isopropylbenzene	ND	F1 cn	1.19	1.41		mg/Kg	☼	118	77 - 120	5	30
m&p-Xylene	ND	F1 cn	2.39	2.69		mg/Kg	☼	112	80 - 120	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*54 - 135*
4-Bromofluorobenzene (Surr)	*83*		*50 - 131*
Dibromofluoromethane (Surr)	*81*		*50 - 141*
Toluene-d8 (Surr)	*80*		*52 - 141*

Lab Sample ID: MB 410-521638/8
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.25	0.020	mg/Kg			06/26/24 13:00	50
Styrene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
cis-1,3-Dichloropropene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
trans-1,3-Dichloropropene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
1,2,3-Trichloropropane	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
1,4-Dichlorobenzene	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
1,2-Dibromoethane	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
1,2-Dichloroethane	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
1,2,4-Trimethylbenzene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
4-Methyl-2-pentanone	ND		0.50	0.075	mg/Kg			06/26/24 13:00	50

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-521638/8
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Toluene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Chlorobenzene	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
Cyclohexane	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
1,2,4-Trichlorobenzene	ND		0.50	0.25	mg/Kg			06/26/24 13:00	50
Dibromochloromethane	ND		0.25	0.10	mg/Kg			06/26/24 13:00	50
Tetrachloroethene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Xylenes, Total	ND		0.25	0.070	mg/Kg			06/26/24 13:00	50
1,3,5-Trimethylbenzene	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
cis-1,2-Dichloroethene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
trans-1,2-Dichloroethene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Methyl tertiary butyl ether	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
1,3-Dichlorobenzene	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
Carbon tetrachloride	ND		0.25	0.10	mg/Kg			06/26/24 13:00	50
2-Hexanone	ND		0.50	0.075	mg/Kg			06/26/24 13:00	50
Acetone	ND		1.0	0.30	mg/Kg			06/26/24 13:00	50
Chloroform	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Benzene	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
1,1,1-Trichloroethane	ND		0.25	0.035	mg/Kg			06/26/24 13:00	50
Bromomethane	ND		0.25	0.080	mg/Kg			06/26/24 13:00	50
Chloromethane	ND		0.25	0.045	mg/Kg			06/26/24 13:00	50
Bromochloromethane	ND		0.25	0.035	mg/Kg			06/26/24 13:00	50
Chloroethane	ND		0.25	0.075	mg/Kg			06/26/24 13:00	50
Vinyl chloride	ND		0.25	0.040	mg/Kg			06/26/24 13:00	50
Methylene Chloride	ND		0.25	0.10	mg/Kg			06/26/24 13:00	50
Carbon disulfide	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Bromoform	ND		0.50	0.25	mg/Kg			06/26/24 13:00	50
Bromodichloromethane	ND		0.25	0.035	mg/Kg			06/26/24 13:00	50
1,1-Dichloroethane	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
1,1-Dichloroethene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Trichlorofluoromethane	ND		0.25	0.040	mg/Kg			06/26/24 13:00	50
Dichlorodifluoromethane	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Freon 113	ND		0.50	0.035	mg/Kg			06/26/24 13:00	50
1,2-Dichloropropane	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
2-Butanone	ND		0.50	0.10	mg/Kg			06/26/24 13:00	50
1,1,2-Trichloroethane	ND		0.25	0.025	mg/Kg			06/26/24 13:00	50
Trichloroethene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
Methyl acetate	ND		0.25	0.050	mg/Kg			06/26/24 13:00	50
1,1,2,2-Tetrachloroethane	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
1,2,3-Trichlorobenzene	ND		0.50	0.25	mg/Kg			06/26/24 13:00	50
o-Xylene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
1,2-Dichlorobenzene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
1,2-Dibromo-3-Chloropropane	ND		0.25	0.050	mg/Kg			06/26/24 13:00	50
Isopropylbenzene	ND		0.25	0.030	mg/Kg			06/26/24 13:00	50
m&p-Xylene	ND		0.25	0.050	mg/Kg			06/26/24 13:00	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*54 - 135*		*06/26/24 13:00*	*50*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-521638/8
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*50 - 131*		*06/26/24 13:00*	*50*
Dibromofluoromethane (Surr)	*91*		*50 - 141*		*06/26/24 13:00*	*50*
Toluene-d8 (Surr)	*94*		*52 - 141*		*06/26/24 13:00*	*50*

Lab Sample ID: LCS 410-521638/5
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	1.00	0.988		mg/Kg		99	78 - 120
Styrene	1.00	0.986		mg/Kg		99	76 - 120
cis-1,3-Dichloropropene	1.00	0.971		mg/Kg		97	66 - 120
trans-1,3-Dichloropropene	1.00	0.973		mg/Kg		97	68 - 122
1,2,3-Trichloropropane	1.00	0.917		mg/Kg		92	75 - 125
1,4-Dichlorobenzene	1.00	0.976		mg/Kg		98	80 - 120
1,2-Dibromoethane	1.00	0.988		mg/Kg		99	76 - 120
1,2-Dichloroethane	1.00	0.932		mg/Kg		93	71 - 128
1,2,4-Trimethylbenzene	1.00	0.974		mg/Kg		97	73 - 120
4-Methyl-2-pentanone	12.5	11.2		mg/Kg		90	67 - 128
Methylcyclohexane	1.00	0.829		mg/Kg		83	61 - 124
Toluene	1.00	0.983		mg/Kg		98	80 - 120
Chlorobenzene	1.00	0.997		mg/Kg		100	80 - 120
Cyclohexane	1.00	0.799		mg/Kg		80	58 - 126
1,2,4-Trichlorobenzene	1.00	0.987		mg/Kg		99	56 - 130
Dibromochloromethane	1.00	0.965		mg/Kg		97	69 - 125
Tetrachloroethene	1.00	1.07		mg/Kg		107	73 - 120
Xylenes, Total	3.00	2.99		mg/Kg		100	75 - 120
1,3,5-Trimethylbenzene	1.00	0.992		mg/Kg		99	73 - 120
cis-1,2-Dichloroethene	1.00	0.994		mg/Kg		99	80 - 125
trans-1,2-Dichloroethene	1.00	0.977		mg/Kg		98	80 - 126
Methyl tertiary butyl ether	1.00	0.895		mg/Kg		90	72 - 120
1,3-Dichlorobenzene	1.00	0.982		mg/Kg		98	75 - 120
Carbon tetrachloride	1.00	1.05		mg/Kg		105	64 - 134
2-Hexanone	12.5	11.0		mg/Kg		88	54 - 140
Acetone	12.5	10.4		mg/Kg		83	41 - 150
Chloroform	1.00	0.958		mg/Kg		96	80 - 120
Benzene	1.00	0.967		mg/Kg		97	80 - 120
1,1,1-Trichloroethane	1.00	1.07		mg/Kg		107	69 - 123
Bromomethane	1.00	1.01		mg/Kg		101	45 - 140
Chloromethane	1.00	0.655		mg/Kg		66	56 - 120
Bromochloromethane	1.00	1.01		mg/Kg		101	72 - 124
Chloroethane	1.00	1.31		mg/Kg		131	43 - 135
Vinyl chloride	1.00	0.738		mg/Kg		74	52 - 120
Methylene Chloride	1.00	0.960		mg/Kg		96	76 - 122
Carbon disulfide	1.00	0.880		mg/Kg		88	64 - 133
Bromoform	1.00	1.10		mg/Kg		110	51 - 127
Bromodichloromethane	1.00	1.04		mg/Kg		104	70 - 120
1,1-Dichloroethane	1.00	0.957		mg/Kg		96	79 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-521638/5
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			1.00	0.990		mg/Kg		99	73 - 129		
Trichlorofluoromethane			1.00	0.867		mg/Kg		87	55 - 134		
Dichlorodifluoromethane			1.00	0.630		mg/Kg		63	21 - 127		
Freon 113			1.00	0.763		mg/Kg		76	64 - 135		
1,2-Dichloropropane			1.00	0.937		mg/Kg		94	80 - 120		
2-Butanone			12.5	9.62		mg/Kg		77	57 - 128		
1,1,2-Trichloroethane			1.00	0.990		mg/Kg		99	80 - 120		
Trichloroethene			1.00	0.986		mg/Kg		99	80 - 120		
Methyl acetate			1.00	0.907		mg/Kg		91	67 - 128		
1,1,2,2-Tetrachloroethane			1.00	0.933		mg/Kg		93	69 - 125		
1,2,3-Trichlorobenzene			1.00	0.958		mg/Kg		96	57 - 131		
o-Xylene			1.00	0.976		mg/Kg		98	75 - 120		
1,2-Dichlorobenzene			1.00	0.961		mg/Kg		96	76 - 120		
1,2-Dibromo-3-Chloropropane			1.00	0.801		mg/Kg		80	48 - 134		
Isopropylbenzene			1.00	1.07		mg/Kg		107	77 - 120		
m&p-Xylene			2.00	2.01		mg/Kg		100	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*54 - 135*
4-Bromofluorobenzene (Surr)	*96*		*50 - 131*
Dibromofluoromethane (Surr)	*95*		*50 - 141*
Toluene-d8 (Surr)	*97*		*52 - 141*

Lab Sample ID: LCSD 410-521638/7
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			1.00	0.952		mg/Kg		95	78 - 120	4	30
Styrene			1.00	0.959		mg/Kg		96	76 - 120	3	30
cis-1,3-Dichloropropene			1.00	0.960		mg/Kg		96	66 - 120	1	30
trans-1,3-Dichloropropene			1.00	0.951		mg/Kg		95	68 - 122	2	30
1,2,3-Trichloropropane			1.00	0.922		mg/Kg		92	75 - 125	0	30
1,4-Dichlorobenzene			1.00	0.951		mg/Kg		95	80 - 120	3	30
1,2-Dibromoethane			1.00	0.978		mg/Kg		98	76 - 120	1	30
1,2-Dichloroethane			1.00	0.931		mg/Kg		93	71 - 128	0	30
1,2,4-Trimethylbenzene			1.00	0.934		mg/Kg		93	73 - 120	4	30
4-Methyl-2-pentanone			12.5	11.3		mg/Kg		91	67 - 128	1	30
Methylcyclohexane			1.00	0.783		mg/Kg		78	61 - 124	6	30
Toluene			1.00	0.941		mg/Kg		94	80 - 120	4	30
Chlorobenzene			1.00	0.964		mg/Kg		96	80 - 120	3	30
Cyclohexane			1.00	0.765		mg/Kg		76	58 - 126	4	30
1,2,4-Trichlorobenzene			1.00	0.966		mg/Kg		97	56 - 130	2	30
Dibromochloromethane			1.00	0.953		mg/Kg		95	69 - 125	1	30
Tetrachloroethene			1.00	1.01		mg/Kg		101	73 - 120	6	30
Xylenes, Total			3.00	2.87		mg/Kg		96	75 - 120	4	30
1,3,5-Trimethylbenzene			1.00	0.949		mg/Kg		95	73 - 120	4	30
cis-1,2-Dichloroethene			1.00	0.965		mg/Kg		96	80 - 125	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-521638/7
Matrix: Solid
Analysis Batch: 521638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	1.00	0.940		mg/Kg		94	80 - 126	4	30
Methyl tertiary butyl ether	1.00	0.899		mg/Kg		90	72 - 120	0	30
1,3-Dichlorobenzene	1.00	0.951		mg/Kg		95	75 - 120	3	30
Carbon tetrachloride	1.00	1.00		mg/Kg		100	64 - 134	5	30
2-Hexanone	12.5	11.0		mg/Kg		88	54 - 140	0	30
Acetone	12.5	11.5		mg/Kg		92	41 - 150	10	30
Chloroform	1.00	0.931		mg/Kg		93	80 - 120	3	30
Benzene	1.00	0.929		mg/Kg		93	80 - 120	4	30
1,1,1-Trichloroethane	1.00	1.01		mg/Kg		101	69 - 123	5	30
Bromomethane	1.00	1.12		mg/Kg		112	45 - 140	11	30
Chloromethane	1.00	0.653		mg/Kg		65	56 - 120	0	30
Bromochloromethane	1.00	0.993		mg/Kg		99	72 - 124	1	30
Chloroethane	1.00	1.14		mg/Kg		114	43 - 135	14	30
Vinyl chloride	1.00	0.714		mg/Kg		71	52 - 120	3	30
Methylene Chloride	1.00	0.932		mg/Kg		93	76 - 122	3	30
Carbon disulfide	1.00	0.846		mg/Kg		85	64 - 133	4	30
Bromoform	1.00	1.08		mg/Kg		108	51 - 127	1	30
Bromodichloromethane	1.00	1.02		mg/Kg		102	70 - 120	3	30
1,1-Dichloroethane	1.00	0.920		mg/Kg		92	79 - 120	4	30
1,1-Dichloroethene	1.00	0.955		mg/Kg		95	73 - 129	4	30
Trichlorofluoromethane	1.00	0.835		mg/Kg		84	55 - 134	4	30
Dichlorodifluoromethane	1.00	0.607		mg/Kg		61	21 - 127	4	30
Freon 113	1.00	0.743		mg/Kg		74	64 - 135	3	30
1,2-Dichloropropane	1.00	0.906		mg/Kg		91	80 - 120	3	30
2-Butanone	12.5	10.0		mg/Kg		80	57 - 128	4	30
1,1,2-Trichloroethane	1.00	0.983		mg/Kg		98	80 - 120	1	30
Trichloroethene	1.00	0.944		mg/Kg		94	80 - 120	4	30
Methyl acetate	1.00	0.936		mg/Kg		94	67 - 128	3	30
1,1,2,2-Tetrachloroethane	1.00	0.920		mg/Kg		92	69 - 125	1	30
1,2,3-Trichlorobenzene	1.00	0.941		mg/Kg		94	57 - 131	2	30
o-Xylene	1.00	0.938		mg/Kg		94	75 - 120	4	30
1,2-Dichlorobenzene	1.00	0.933		mg/Kg		93	76 - 120	3	30
1,2-Dibromo-3-Chloropropane	1.00	0.788		mg/Kg		79	48 - 134	2	30
Isopropylbenzene	1.00	1.02		mg/Kg		102	77 - 120	5	30
m&p-Xylene	2.00	1.93		mg/Kg		97	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*54 - 135*
4-Bromofluorobenzene (Surr)	*93*		*50 - 131*
Dibromofluoromethane (Surr)	*93*		*50 - 141*
Toluene-d8 (Surr)	*93*		*52 - 141*

Lab Sample ID: MB 410-521761/10
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.080	ug/L			06/26/24 16:38	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-521761/10
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.070	ug/L			06/26/24 16:38	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			06/26/24 16:38	1
trans-1,3-Dichloropropene	ND		0.50	0.080	ug/L			06/26/24 16:38	1
1,2,3-Trichloropropane	ND		1.0	0.10	ug/L			06/26/24 16:38	1
1,4-Dichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 16:38	1
1,2-Dibromoethane	ND		0.50	0.080	ug/L			06/26/24 16:38	1
1,2-Dichloroethane	ND		0.50	0.070	ug/L			06/26/24 16:38	1
1,2,4-Trimethylbenzene	ND		0.50	0.080	ug/L			06/26/24 16:38	1
4-Methyl-2-pentanone	ND		5.0	1.0	ug/L			06/26/24 16:38	1
Methylcyclohexane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Toluene	ND		0.50	0.080	ug/L			06/26/24 16:38	1
Chlorobenzene	ND		0.50	0.070	ug/L			06/26/24 16:38	1
Cyclohexane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
1,2,4-Trichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 16:38	1
Dibromochloromethane	ND		0.50	0.080	ug/L			06/26/24 16:38	1
Tetrachloroethene	ND		0.50	0.20	ug/L			06/26/24 16:38	1
1,3,5-Trimethylbenzene	ND		0.50	0.080	ug/L			06/26/24 16:38	1
Xylene (total)	ND		1.0	0.070	ug/L			06/26/24 16:38	1
cis-1,2-Dichloroethene	ND		0.50	0.080	ug/L			06/26/24 16:38	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Methyl tertiary butyl ether	ND		0.50	0.080	ug/L			06/26/24 16:38	1
1,3-Dichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 16:38	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			06/26/24 16:38	1
2-Hexanone	ND		5.0	2.0	ug/L			06/26/24 16:38	1
Acetone	ND		5.0	1.5	ug/L			06/26/24 16:38	1
Chloroform	ND		0.50	0.090	ug/L			06/26/24 16:38	1
Benzene	ND		0.50	0.10	ug/L			06/26/24 16:38	1
1,1,1-Trichloroethane	ND		0.50	0.080	ug/L			06/26/24 16:38	1
Bromomethane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Chloromethane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Bromochloromethane	ND		0.50	0.080	ug/L			06/26/24 16:38	1
Chloroethane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Vinyl chloride	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Methylene Chloride	ND		0.50	0.20	ug/L			06/26/24 16:38	1
Carbon disulfide	ND		1.0	0.10	ug/L			06/26/24 16:38	1
Bromoform	ND		1.0	0.30	ug/L			06/26/24 16:38	1
Bromodichloromethane	ND		0.50	0.080	ug/L			06/26/24 16:38	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Dichlorodifluoromethane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.080	ug/L			06/26/24 16:38	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
2-Butanone	ND		5.0	1.0	ug/L			06/26/24 16:38	1
1,1,2-Trichloroethane	ND		0.50	0.080	ug/L			06/26/24 16:38	1
Trichloroethene	ND		0.50	0.080	ug/L			06/26/24 16:38	1
Methyl acetate	ND		1.0	0.20	ug/L			06/26/24 16:38	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
1,2,3-Trichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 16:38	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-521761/10
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.50	0.070	ug/L			06/26/24 16:38	1
1,2-Dichlorobenzene	ND		0.50	0.070	ug/L			06/26/24 16:38	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.10	ug/L			06/26/24 16:38	1
Isopropylbenzene	ND		0.50	0.080	ug/L			06/26/24 16:38	1
m&p-Xylene	ND		0.50	0.20	ug/L			06/26/24 16:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/26/24 16:38*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*06/26/24 16:38*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/26/24 16:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/26/24 16:38*	*1*

Lab Sample ID: LCS 410-521761/5
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	5.00	5.14		ug/L		103	80 - 120
Styrene	5.00	5.15		ug/L		103	80 - 120
cis-1,3-Dichloropropene	5.00	4.81		ug/L		96	67 - 121
trans-1,3-Dichloropropene	5.00	4.96		ug/L		99	61 - 129
1,2,3-Trichloropropane	5.00	5.24		ug/L		105	80 - 125
1,4-Dichlorobenzene	5.00	5.07		ug/L		101	80 - 120
1,2-Dibromoethane	5.00	5.08		ug/L		102	80 - 120
1,2-Dichloroethane	5.00	5.36		ug/L		107	69 - 122
1,2,4-Trimethylbenzene	5.00	5.03		ug/L		101	80 - 120
4-Methyl-2-pentanone	62.5	63.8		ug/L		102	55 - 140
Methylcyclohexane	5.00	4.87		ug/L		97	80 - 120
Toluene	5.00	5.12		ug/L		102	80 - 120
Chlorobenzene	5.00	5.19		ug/L		104	80 - 120
Cyclohexane	5.00	4.82		ug/L		96	69 - 120
1,2,4-Trichlorobenzene	5.00	5.10		ug/L		102	68 - 122
Dibromochloromethane	5.00	5.15		ug/L		103	64 - 138
Tetrachloroethene	5.00	5.12		ug/L		102	80 - 120
1,3,5-Trimethylbenzene	5.00	5.02		ug/L		100	80 - 120
Xylene (total)	15.0	15.2		ug/L		102	80 - 120
cis-1,2-Dichloroethene	5.00	5.27		ug/L		105	80 - 122
trans-1,2-Dichloroethene	5.00	5.19		ug/L		104	80 - 122
Methyl tertiary butyl ether	5.00	4.83		ug/L		97	69 - 120
1,3-Dichlorobenzene	5.00	5.04		ug/L		101	80 - 120
Carbon tetrachloride	5.00	5.17		ug/L		103	64 - 141
2-Hexanone	62.5	63.2		ug/L		101	52 - 140
Acetone	62.5	60.6		ug/L		97	60 - 146
Chloroform	5.00	5.01		ug/L		100	80 - 120
Benzene	5.00	5.22		ug/L		104	80 - 120
1,1,1-Trichloroethane	5.00	5.24		ug/L		105	78 - 126
Bromomethane	5.00	4.97		ug/L		99	60 - 136
Chloromethane	5.00	4.74		ug/L		95	56 - 124

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-521761/5
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromochloromethane	5.00	5.37		ug/L		107	80 - 120
Chloroethane	5.00	4.86		ug/L		97	63 - 120
Vinyl chloride	5.00	4.77		ug/L		95	60 - 125
Methylene Chloride	5.00	5.06		ug/L		101	80 - 120
Carbon disulfide	5.00	5.01		ug/L		100	67 - 130
Bromoform	5.00	4.79		ug/L		96	49 - 144
Bromodichloromethane	5.00	5.18		ug/L		104	73 - 124
1,1-Dichloroethane	5.00	5.32		ug/L		106	74 - 120
1,1-Dichloroethene	5.00	5.47		ug/L		109	80 - 131
Trichlorofluoromethane	5.00	4.86		ug/L		97	62 - 136
Dichlorodifluoromethane	5.00	4.54		ug/L		91	43 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.74		ug/L		95	75 - 133
1,2-Dichloropropane	5.00	5.33		ug/L		107	80 - 120
2-Butanone	62.5	61.8		ug/L		99	59 - 141
1,1,2-Trichloroethane	5.00	5.19		ug/L		104	80 - 120
Trichloroethene	5.00	5.04		ug/L		101	80 - 120
Methyl acetate	5.00	5.33		ug/L		107	59 - 143
1,1,2,2-Tetrachloroethane	5.00	5.03		ug/L		101	75 - 123
1,2,3-Trichlorobenzene	5.00	5.18		ug/L		104	68 - 125
o-Xylene	5.00	5.04		ug/L		101	80 - 120
1,2-Dichlorobenzene	5.00	5.15		ug/L		103	80 - 120
1,2-Dibromo-3-Chloropropane	5.00	4.81		ug/L		96	56 - 148
Isopropylbenzene	5.00	5.49		ug/L		110	80 - 120
m&p-Xylene	10.0	10.2		ug/L		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 410-521761/6
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	5.00	5.15		ug/L		103	80 - 120	0	30
Styrene	5.00	5.17		ug/L		103	80 - 120	1	30
cis-1,3-Dichloropropene	5.00	4.91		ug/L		98	67 - 121	2	30
trans-1,3-Dichloropropene	5.00	5.00		ug/L		100	61 - 129	1	30
1,2,3-Trichloropropane	5.00	5.08		ug/L		102	80 - 125	3	30
1,4-Dichlorobenzene	5.00	5.13		ug/L		103	80 - 120	1	30
1,2-Dibromoethane	5.00	5.15		ug/L		103	80 - 120	1	30
1,2-Dichloroethane	5.00	5.26		ug/L		105	69 - 122	2	30
1,2,4-Trimethylbenzene	5.00	5.09		ug/L		102	80 - 120	1	30
4-Methyl-2-pentanone	62.5	64.0		ug/L		102	55 - 140	0	30
Methylcyclohexane	5.00	4.88		ug/L		98	80 - 120	0	30
Toluene	5.00	5.18		ug/L		104	80 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-521761/6
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobenzene			5.00	5.27		ug/L		105	80 - 120	2	30
Cyclohexane			5.00	4.82		ug/L		96	69 - 120	0	30
1,2,4-Trichlorobenzene			5.00	5.20		ug/L		104	68 - 122	2	30
Dibromochloromethane			5.00	5.23		ug/L		105	64 - 138	2	30
Tetrachloroethene			5.00	5.15		ug/L		103	80 - 120	1	30
1,3,5-Trimethylbenzene			5.00	5.07		ug/L		101	80 - 120	1	30
Xylene (total)			15.0	15.5		ug/L		103	80 - 120	2	30
cis-1,2-Dichloroethene			5.00	5.24		ug/L		105	80 - 122	1	30
trans-1,2-Dichloroethene			5.00	5.18		ug/L		104	80 - 122	0	30
Methyl tertiary butyl ether			5.00	4.93		ug/L		99	69 - 120	2	30
1,3-Dichlorobenzene			5.00	5.09		ug/L		102	80 - 120	1	30
Carbon tetrachloride			5.00	5.19		ug/L		104	64 - 141	0	30
2-Hexanone			62.5	63.5		ug/L		102	52 - 140	0	30
Acetone			62.5	54.0		ug/L		86	60 - 146	12	30
Chloroform			5.00	5.02		ug/L		100	80 - 120	0	30
Benzene			5.00	5.24		ug/L		105	80 - 120	0	30
1,1,1-Trichloroethane			5.00	5.29		ug/L		106	78 - 126	1	30
Bromomethane			5.00	4.88		ug/L		98	60 - 136	2	30
Chloromethane			5.00	4.83		ug/L		97	56 - 124	2	30
Bromochloromethane			5.00	5.31		ug/L		106	80 - 120	1	30
Chloroethane			5.00	4.96		ug/L		99	63 - 120	2	30
Vinyl chloride			5.00	4.69		ug/L		94	60 - 125	2	30
Methylene Chloride			5.00	5.01		ug/L		100	80 - 120	1	30
Carbon disulfide			5.00	5.02		ug/L		100	67 - 130	0	30
Bromoform			5.00	4.81		ug/L		96	49 - 144	1	30
Bromodichloromethane			5.00	5.17		ug/L		103	73 - 124	0	30
1,1-Dichloroethane			5.00	5.32		ug/L		106	74 - 120	0	30
1,1-Dichloroethene			5.00	5.46		ug/L		109	80 - 131	0	30
Trichlorofluoromethane			5.00	4.88		ug/L		98	62 - 136	0	30
Dichlorodifluoromethane			5.00	4.49		ug/L		90	43 - 123	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			5.00	4.75		ug/L		95	75 - 133	0	30
1,2-Dichloropropane			5.00	5.24		ug/L		105	80 - 120	2	30
2-Butanone			62.5	64.3		ug/L		103	59 - 141	4	30
1,1,2-Trichloroethane			5.00	5.14		ug/L		103	80 - 120	1	30
Trichloroethene			5.00	5.07		ug/L		101	80 - 120	1	30
Methyl acetate			5.00	5.01		ug/L		100	59 - 143	6	30
1,1,2,2-Tetrachloroethane			5.00	5.06		ug/L		101	75 - 123	1	30
1,2,3-Trichlorobenzene			5.00	5.22		ug/L		104	68 - 125	1	30
o-Xylene			5.00	5.11		ug/L		102	80 - 120	1	30
1,2-Dichlorobenzene			5.00	5.23		ug/L		105	80 - 120	2	30
1,2-Dibromo-3-Chloropropane			5.00	4.81		ug/L		96	56 - 148	0	30
Isopropylbenzene			5.00	5.54		ug/L		111	80 - 120	1	30
m&p-Xylene			10.0	10.4		ug/L		104	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-521761/6
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 410-176951-A-2 MS
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	ND		5.00	5.31		ug/L		106	80 - 120
Styrene	ND	F1	5.00	3.46	F1	ug/L		69	80 - 120
cis-1,3-Dichloropropene	ND		5.00	4.65		ug/L		93	67 - 121
trans-1,3-Dichloropropene	ND		5.00	4.68		ug/L		94	61 - 129
1,2,3-Trichloropropane	ND		5.00	4.95		ug/L		99	80 - 125
1,4-Dichlorobenzene	0.84		5.00	5.90		ug/L		101	80 - 120
1,2-Dibromoethane	ND		5.00	5.01		ug/L		100	80 - 120
1,2-Dichloroethane	0.10	J	5.00	5.43		ug/L		107	69 - 122
1,2,4-Trimethylbenzene	0.50		5.00	5.64		ug/L		103	80 - 120
4-Methyl-2-pentanone	ND		62.6	64.8		ug/L		104	55 - 140
Methylcyclohexane	0.39	J	5.00	5.61		ug/L		104	80 - 120
Toluene	ND		5.00	5.28		ug/L		106	80 - 120
Chlorobenzene	ND		5.00	5.33		ug/L		107	80 - 120
Cyclohexane	0.72		5.00	5.97		ug/L		105	69 - 120
1,2,4-Trichlorobenzene	ND		5.00	5.01		ug/L		100	68 - 122
Dibromochloromethane	ND		5.00	5.02		ug/L		100	64 - 138
Tetrachloroethene	0.84		5.00	5.92		ug/L		102	80 - 120
1,3,5-Trimethylbenzene	ND		5.00	5.18		ug/L		103	80 - 120
Xylene (total)	2.0		15.0	17.6		ug/L		104	80 - 120
cis-1,2-Dichloroethene	7.0		5.00	12.1		ug/L		102	80 - 122
trans-1,2-Dichloroethene	0.15	J	5.00	5.44		ug/L		106	80 - 122
Methyl tertiary butyl ether	4.1		5.00	8.71		ug/L		92	69 - 120
1,3-Dichlorobenzene	ND		5.00	5.11		ug/L		102	80 - 120
Carbon tetrachloride	ND		5.00	5.31		ug/L		106	64 - 141
2-Hexanone	ND		62.6	65.8		ug/L		105	52 - 140
Acetone	1.9	J	62.6	63.2		ug/L		98	60 - 146
Chloroform	ND		5.00	5.09		ug/L		102	80 - 120
Benzene	2.7		5.00	7.87		ug/L		103	80 - 120
1,1,1-Trichloroethane	ND		5.00	5.40		ug/L		108	78 - 126
Bromomethane	ND		5.00	5.22		ug/L		104	60 - 136
Chloromethane	ND		5.00	5.39		ug/L		108	80 - 120
Bromochloromethane	ND		5.00	5.41		ug/L		108	80 - 120
Chloroethane	2.0		5.00	7.13		ug/L		103	63 - 120
Vinyl chloride	1.7		5.00	6.83		ug/L		102	60 - 125
Methylene Chloride	5.8		5.00	10.5		ug/L		94	80 - 120
Carbon disulfide	0.17	J	5.00	5.51		ug/L		107	67 - 130
Bromoform	ND		5.00	4.51		ug/L		90	49 - 144
Bromodichloromethane	ND		5.00	5.16		ug/L		103	73 - 124
1,1-Dichloroethane	4.6		5.00	9.84		ug/L		104	74 - 120
1,1-Dichloroethene	0.11	J	5.00	5.80		ug/L		114	80 - 131

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-176951-A-2 MS
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Trichlorofluoromethane	0.17	J	5.00	5.67		ug/L		110	62 - 136
Dichlorodifluoromethane	0.59		5.00	5.65		ug/L		101	43 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	5.09		ug/L		102	75 - 133
1,2-Dichloropropane	ND		5.00	5.37		ug/L		107	80 - 120
2-Butanone	ND		62.6	65.0		ug/L		104	59 - 141
1,1,2-Trichloroethane	ND		5.00	5.27		ug/L		105	80 - 120
Trichloroethene	1.2		5.00	6.41		ug/L		103	80 - 120
Methyl acetate	ND		5.00	4.61		ug/L		92	59 - 143
1,1,2,2-Tetrachloroethane	ND		5.00	5.00		ug/L		100	75 - 123
1,2,3-Trichlorobenzene	ND		5.00	5.00		ug/L		100	68 - 125
o-Xylene	1.2		5.00	6.32		ug/L		103	80 - 120
1,2-Dichlorobenzene	ND		5.00	5.23		ug/L		105	80 - 120
1,2-Dibromo-3-Chloropropane	ND		5.00	4.36		ug/L		87	56 - 148
Isopropylbenzene	0.27	J	5.00	5.92		ug/L		113	80 - 120
m&p-Xylene	0.83		10.0	11.3		ug/L		105	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 410-176951-A-2 MSD
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	ND		5.00	5.54		ug/L		111	80 - 120	4	30
Styrene	ND	F1	5.00	3.40	F1	ug/L		68	80 - 120	2	30
cis-1,3-Dichloropropene	ND		5.00	4.78		ug/L		96	67 - 121	3	30
trans-1,3-Dichloropropene	ND		5.00	4.87		ug/L		97	61 - 129	4	30
1,2,3-Trichloropropane	ND		5.00	5.16		ug/L		103	80 - 125	4	30
1,4-Dichlorobenzene	0.84		5.00	6.08		ug/L		105	80 - 120	3	30
1,2-Dibromoethane	ND		5.00	5.27		ug/L		105	80 - 120	5	30
1,2-Dichloroethane	0.10	J	5.00	5.41		ug/L		106	69 - 122	1	30
1,2,4-Trimethylbenzene	0.50		5.00	5.81		ug/L		106	80 - 120	3	30
4-Methyl-2-pentanone	ND		62.6	68.8		ug/L		110	55 - 140	6	30
Methylcyclohexane	0.39	J	5.00	5.77		ug/L		107	80 - 120	3	30
Toluene	ND		5.00	5.43		ug/L		108	80 - 120	3	30
Chlorobenzene	ND		5.00	5.51		ug/L		110	80 - 120	3	30
Cyclohexane	0.72		5.00	6.12		ug/L		108	69 - 120	2	30
1,2,4-Trichlorobenzene	ND		5.00	5.34		ug/L		107	68 - 122	6	30
Dibromochloromethane	ND		5.00	5.18		ug/L		103	64 - 138	3	30
Tetrachloroethene	0.84		5.00	6.11		ug/L		105	80 - 120	3	30
1,3,5-Trimethylbenzene	ND		5.00	5.38		ug/L		107	80 - 120	4	30
Xylene (total)	2.0		15.0	18.4		ug/L		109	80 - 120	4	30
cis-1,2-Dichloroethene	7.0		5.00	12.3		ug/L		105	80 - 122	1	30
trans-1,2-Dichloroethene	0.15	J	5.00	5.52		ug/L		107	80 - 122	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-176951-A-2 MSD
Matrix: Water
Analysis Batch: 521761

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tertiary butyl ether	4.1		5.00	9.04		ug/L		99	69 - 120	4	30
1,3-Dichlorobenzene	ND		5.00	5.30		ug/L		106	80 - 120	4	30
Carbon tetrachloride	ND		5.00	5.46		ug/L		109	64 - 141	3	30
2-Hexanone	ND		62.6	68.9		ug/L		110	52 - 140	4	30
Acetone	1.9	J	62.6	65.4		ug/L		102	60 - 146	3	30
Chloroform	ND		5.00	5.22		ug/L		104	80 - 120	2	30
Benzene	2.7		5.00	8.03		ug/L		106	80 - 120	2	30
1,1,1-Trichloroethane	ND		5.00	5.51		ug/L		110	78 - 126	2	30
Bromomethane	ND		5.00	5.14		ug/L		103	60 - 136	2	30
Chloromethane	ND		5.00	5.40		ug/L		108	80 - 120	0	30
Bromochloromethane	ND		5.00	5.53		ug/L		110	80 - 120	2	30
Chloroethane	2.0		5.00	7.17		ug/L		104	63 - 120	0	30
Vinyl chloride	1.7		5.00	6.80		ug/L		101	60 - 125	0	30
Methylene Chloride	5.8		5.00	10.7		ug/L		99	80 - 120	2	30
Carbon disulfide	0.17	J	5.00	5.57		ug/L		108	67 - 130	1	30
Bromoform	ND		5.00	4.67		ug/L		93	49 - 144	3	30
Bromodichloromethane	ND		5.00	5.31		ug/L		106	73 - 124	3	30
1,1-Dichloroethane	4.6		5.00	10.1		ug/L		108	74 - 120	2	30
1,1-Dichloroethene	0.11	J	5.00	5.95		ug/L		117	80 - 131	3	30
Trichlorofluoromethane	0.17	J	5.00	5.52		ug/L		107	62 - 136	3	30
Dichlorodifluoromethane	0.59		5.00	5.57		ug/L		99	43 - 123	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	5.17		ug/L		103	75 - 133	1	30
1,2-Dichloropropane	ND		5.00	5.50		ug/L		110	80 - 120	2	30
2-Butanone	ND		62.6	67.9		ug/L		109	59 - 141	4	30
1,1,2-Trichloroethane	ND		5.00	5.49		ug/L		110	80 - 120	4	30
Trichloroethene	1.2		5.00	6.52		ug/L		105	80 - 120	2	30
Methyl acetate	ND		5.00	4.89		ug/L		98	59 - 143	6	30
1,1,2,2-Tetrachloroethane	ND		5.00	5.19		ug/L		104	75 - 123	4	30
1,2,3-Trichlorobenzene	ND		5.00	5.29		ug/L		106	68 - 125	6	30
o-Xylene	1.2		5.00	6.56		ug/L		107	80 - 120	4	30
1,2-Dichlorobenzene	ND		5.00	5.31		ug/L		106	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	ND		5.00	4.73		ug/L		95	56 - 148	8	30
Isopropylbenzene	0.27	J	5.00	6.17		ug/L		118	80 - 120	4	30
m&p-Xylene	0.83		10.0	11.8		ug/L		110	80 - 120	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-521360/1-A
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
1,2,4,5-Tetrachlorobenzene	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
1,4-Dioxane	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
1-Methylnaphthalene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,2'-oxybis[1-chloropropane]	ND		0.043	0.020	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,3,4,6-Tetrachlorophenol	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,4,5-Trichlorophenol	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,4,6-Trichlorophenol	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,4-Dichlorophenol	ND		0.043	0.020	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,4-Dimethylphenol	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,4-Dinitrophenol	ND		1.0	0.17	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,4-Dinitrotoluene	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2,6-Dinitrotoluene	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2-Chloronaphthalene	ND		0.033	0.013	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2-Chlorophenol	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2-Methylnaphthalene	ND		0.017	0.0050	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2-Methylphenol	ND		0.050	0.020	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2-Nitroaniline	ND		0.050	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
2-Nitrophenol	ND		0.050	0.020	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
3,3'-Dichlorobenzidine	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
3-Nitroaniline	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
4,6-Dinitro-2-methylphenol	ND		0.50	0.17	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
4-Bromophenyl-phenylether	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
4-Chloro-3-methylphenol	ND		0.050	0.020	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
4-Chloroaniline	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
4-Chlorophenyl-phenyl ether	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
4-Methylphenol	ND		0.050	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
4-Nitroaniline	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
4-Nitrophenol	ND		0.50	0.17	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Acenaphthene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Acenaphthylene	ND		0.017	0.0040	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Acetophenone	ND		0.050	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Anthracene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Atrazine	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Benzaldehyde	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Benzo[a]anthracene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Benzo[a]pyrene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Benzo[b]fluoranthene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Benzo[g,h,i]perylene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Benzo[k]fluoranthene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Butylbenzylphthalate	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Caprolactam	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Carbazole	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Chrysene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Di-n-butyl phthalate	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Di-n-octyl phthalate	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Dibenz(a,h)anthracene	ND		0.017	0.0067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Dibenzofuran	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-521360/1-A
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Dimethyl phthalate	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Fluoranthene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Fluorene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Hexachlorobenzene	ND		0.017	0.0067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Hexachlorobutadiene	ND		0.050	0.020	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Hexachlorocyclopentadiene	ND		0.50	0.17	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Hexachloroethane	ND		0.17	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Indeno[1,2,3-cd]pyrene	ND		0.017	0.0040	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Isophorone	ND		0.067	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
N-Nitrosodi-n-propylamine	ND		0.067	0.033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
N-Nitrosodiphenylamine	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Naphthalene	ND		0.017	0.0067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Nitrobenzene	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Pentachlorophenol	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Phenanthrene	ND		0.017	0.0040	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Phenol	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Pyrene	ND		0.017	0.0033	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Pyridine	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Bis(2-chloroethoxy)methane	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Bis(2-chloroethyl)ether	ND		0.037	0.017	mg/Kg		06/25/24 17:22	06/26/24 16:36	1
Bis(2-ethylhexyl) phthalate	ND		0.17	0.067	mg/Kg		06/25/24 17:22	06/26/24 16:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*13 - 127*	*06/25/24 17:22*	*06/26/24 16:36*	*1*
2-Fluorobiphenyl (Surr)	*69*		*29 - 120*	*06/25/24 17:22*	*06/26/24 16:36*	*1*
2-Fluorophenol (Surr)	*67*		*18 - 120*	*06/25/24 17:22*	*06/26/24 16:36*	*1*
Nitrobenzene-d5 (Surr)	*65*		*22 - 120*	*06/25/24 17:22*	*06/26/24 16:36*	*1*
p-Terphenyl-d14 (Surr)	*81*		*36 - 123*	*06/25/24 17:22*	*06/26/24 16:36*	*1*
Phenol-d5 (Surr)	*69*		*20 - 120*	*06/25/24 17:22*	*06/26/24 16:36*	*1*

Lab Sample ID: LCS 410-521360/2-A
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	1.67	1.38		mg/Kg		83	59 - 120
1,2,4,5-Tetrachlorobenzene	1.67	1.34		mg/Kg		81	62 - 120
1,4-Dioxane	1.67	0.618		mg/Kg		37	22 - 120
1-Methylnaphthalene	1.67	1.35		mg/Kg		81	60 - 120
2,2'-oxybis[1-chloropropane]	1.67	1.24		mg/Kg		74	42 - 120
2,3,4,6-Tetrachlorophenol	1.67	1.45		mg/Kg		87	61 - 120
2,4,5-Trichlorophenol	1.67	1.47		mg/Kg		88	63 - 120
2,4,6-Trichlorophenol	1.67	1.45		mg/Kg		87	65 - 120
2,4-Dichlorophenol	1.67	1.43		mg/Kg		86	64 - 120
2,4-Dimethylphenol	1.67	1.40		mg/Kg		84	56 - 120
2,4-Dinitrophenol	3.33	2.94		mg/Kg		88	34 - 136
2,4-Dinitrotoluene	1.67	1.53		mg/Kg		92	65 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-521360/2-A
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.67	1.49		mg/Kg		89	67 - 120
2-Chloronaphthalene	1.67	1.38		mg/Kg		83	63 - 120
2-Chlorophenol	1.67	1.27		mg/Kg		76	55 - 120
2-Methylnaphthalene	1.67	1.35		mg/Kg		81	61 - 120
2-Methylphenol	1.67	1.32		mg/Kg		79	59 - 120
2-Nitroaniline	1.67	1.54		mg/Kg		93	62 - 124
2-Nitrophenol	1.67	1.34		mg/Kg		81	60 - 120
3,3'-Dichlorobenzidine	3.33	2.99		mg/Kg		90	28 - 120
3-Nitroaniline	1.67	1.09		mg/Kg		66	34 - 120
4,6-Dinitro-2-methylphenol	3.33	3.17		mg/Kg		95	55 - 131
4-Bromophenyl-phenylether	1.67	1.51		mg/Kg		90	66 - 120
4-Chloro-3-methylphenol	1.67	1.47		mg/Kg		88	59 - 120
4-Chloroaniline	1.67	1.09		mg/Kg		66	27 - 120
4-Chlorophenyl-phenyl ether	1.67	1.42		mg/Kg		85	64 - 120
4-Methylphenol	1.67	1.22		mg/Kg		73	52 - 120
4-Nitroaniline	1.67	1.44		mg/Kg		86	60 - 120
4-Nitrophenol	3.33	2.73		mg/Kg		82	51 - 120
Acenaphthene	1.67	1.37		mg/Kg		82	61 - 120
Acenaphthylene	1.67	1.43		mg/Kg		86	60 - 120
Acetophenone	1.67	1.24		mg/Kg		74	52 - 120
Anthracene	1.67	1.56		mg/Kg		94	69 - 120
Atrazine	1.67	1.55		mg/Kg		93	59 - 140
Benzaldehyde	1.67	1.12		mg/Kg		67	41 - 120
Benzo[a]anthracene	1.67	1.63		mg/Kg		98	68 - 120
Benzo[a]pyrene	1.67	1.62		mg/Kg		97	71 - 120
Benzo[b]fluoranthene	1.67	1.54		mg/Kg		92	66 - 120
Benzo[g,h,i]perylene	1.67	1.65		mg/Kg		99	69 - 120
Benzo[k]fluoranthene	1.67	1.61		mg/Kg		97	63 - 120
Butylbenzylphthalate	1.67	1.65		mg/Kg		99	57 - 122
Caprolactam	1.67	1.45		mg/Kg		87	50 - 120
Carbazole	1.67	1.58		mg/Kg		95	65 - 120
Chrysene	1.67	1.57		mg/Kg		94	67 - 120
Di-n-butyl phthalate	1.67	1.70		mg/Kg		102	67 - 128
Di-n-octyl phthalate	1.67	1.80		mg/Kg		108	58 - 136
Dibenz(a,h)anthracene	1.67	1.66		mg/Kg		100	70 - 123
Dibenzofuran	1.67	1.40		mg/Kg		84	62 - 120
Diethyl phthalate	1.67	1.44		mg/Kg		86	62 - 120
Dimethyl phthalate	1.67	1.44		mg/Kg		86	61 - 120
Fluoranthene	1.67	1.58		mg/Kg		95	67 - 120
Fluorene	1.67	1.41		mg/Kg		85	63 - 120
Hexachlorobenzene	1.67	1.54		mg/Kg		93	64 - 120
Hexachlorobutadiene	1.67	1.29		mg/Kg		78	52 - 120
Hexachlorocyclopentadiene	1.67	1.70		mg/Kg		102	30 - 143
Hexachloroethane	1.67	1.10		mg/Kg		66	48 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.66		mg/Kg		99	67 - 122
Isophorone	1.67	1.36		mg/Kg		82	54 - 120
N-Nitrosodi-n-propylamine	1.67	1.27		mg/Kg		76	51 - 120
N-Nitrosodiphenylamine	1.42	1.35		mg/Kg		95	66 - 120
Naphthalene	1.67	1.31		mg/Kg		78	56 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-521360/2-A
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521360

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrobenzene			1.67	1.27		mg/Kg		76	50 - 120		
Pentachlorophenol			3.33	3.27		mg/Kg		98	46 - 134		
Phenanthrene			1.67	1.54		mg/Kg		92	63 - 120		
Phenol			1.67	1.31		mg/Kg		79	49 - 120		
Pyrene			1.67	1.53		mg/Kg		92	65 - 120		
Pyridine			3.33	1.63		mg/Kg		49	29 - 120		
Bis(2-chloroethoxy)methane			1.67	1.38		mg/Kg		83	53 - 120		
Bis(2-chloroethyl)ether			1.67	1.23		mg/Kg		74	52 - 120		
Bis(2-ethylhexyl) phthalate			1.67	1.75		mg/Kg		105	57 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*13 - 127*
2-Fluorobiphenyl (Surr)	*78*		*29 - 120*
2-Fluorophenol (Surr)	*75*		*18 - 120*
Nitrobenzene-d5 (Surr)	*74*		*22 - 120*
p-Terphenyl-d14 (Surr)	*92*		*36 - 123*
Phenol-d5 (Surr)	*76*		*20 - 120*

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 521360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1'-Biphenyl	ND		1.81	1.46		mg/Kg	☼	81	63 - 120		
1,2,4,5-Tetrachlorobenzene	ND		1.81	1.43		mg/Kg	☼	79	63 - 120		
1,4-Dioxane	ND		1.81	0.635		mg/Kg	☼	35	25 - 120		
1-Methylnaphthalene	0.043		1.81	1.35		mg/Kg	☼	72	60 - 120		
2,2'-oxybis[1-chloropropane]	ND		1.81	1.28		mg/Kg	☼	71	22 - 125		
2,3,4,6-Tetrachlorophenol	ND		1.81	1.44		mg/Kg	☼	79	57 - 120		
2,4,5-Trichlorophenol	ND		1.81	1.51		mg/Kg	☼	83	63 - 120		
2,4,6-Trichlorophenol	ND		1.81	1.52		mg/Kg	☼	84	58 - 124		
2,4-Dichlorophenol	ND		1.81	1.42		mg/Kg	☼	78	64 - 120		
2,4-Dimethylphenol	ND		1.81	1.39		mg/Kg	☼	77	63 - 120		
2,4-Dinitrophenol	ND		3.62	1.51		mg/Kg	☼	42	36 - 130		
2,4-Dinitrotoluene	ND		1.81	1.57		mg/Kg	☼	87	65 - 120		
2,6-Dinitrotoluene	ND		1.81	1.54		mg/Kg	☼	85	67 - 120		
2-Chloronaphthalene	ND		1.81	1.41		mg/Kg	☼	78	63 - 120		
2-Chlorophenol	ND		1.81	1.31		mg/Kg	☼	73	61 - 120		
2-Methylnaphthalene	0.057		1.81	1.37		mg/Kg	☼	73	61 - 120		
2-Methylphenol	ND		1.81	1.34		mg/Kg	☼	74	59 - 120		
2-Nitroaniline	ND		1.81	1.59		mg/Kg	☼	88	67 - 120		
2-Nitrophenol	ND		1.81	1.31		mg/Kg	☼	73	60 - 120		
3,3'-Dichlorobenzidine	ND		3.62	3.29		mg/Kg	☼	91	23 - 120		
3-Nitroaniline	ND		1.81	1.20		mg/Kg	☼	66	34 - 120		
4,6-Dinitro-2-methylphenol	ND		3.62	2.36		mg/Kg	☼	65	55 - 131		
4-Bromophenyl-phenylether	ND		1.81	1.54		mg/Kg	☼	85	66 - 120		
4-Chloro-3-methylphenol	ND		1.81	1.44		mg/Kg	☼	80	59 - 120		
4-Chloroaniline	ND		1.81	0.988		mg/Kg	☼	55	17 - 120		

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 521360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chlorophenyl-phenyl ether	ND		1.81	1.46		mg/Kg	☼	81	65 - 120
4-Methylphenol	ND		1.81	1.27		mg/Kg	☼	70	59 - 120
4-Nitroaniline	ND		1.81	1.38		mg/Kg	☼	76	60 - 120
4-Nitrophenol	ND		3.62	2.73		mg/Kg	☼	75	41 - 130
Acenaphthene	ND		1.81	1.44		mg/Kg	☼	80	65 - 120
Acenaphthylene	ND		1.81	1.49		mg/Kg	☼	83	66 - 120
Acetophenone	ND		1.81	1.26		mg/Kg	☼	70	56 - 120
Anthracene	ND		1.81	1.60		mg/Kg	☼	88	69 - 120
Atrazine	ND		1.81	1.63		mg/Kg	☼	90	59 - 140
Benzaldehyde	ND		1.81	1.19		mg/Kg	☼	66	35 - 120
Benzo[a]anthracene	0.0093	J	1.81	1.62		mg/Kg	☼	89	68 - 120
Benzo[a]pyrene	0.0072	J	1.81	1.64		mg/Kg	☼	90	71 - 120
Benzo[b]fluoranthene	0.032		1.81	1.58		mg/Kg	☼	85	66 - 120
Benzo[g,h,i]perylene	0.025		1.81	1.76		mg/Kg	☼	96	69 - 120
Benzo[k]fluoranthene	0.0090	J	1.81	1.60		mg/Kg	☼	88	68 - 120
Butylbenzylphthalate	ND		1.81	1.67		mg/Kg	☼	92	64 - 120
Caprolactam	ND		1.81	1.41		mg/Kg	☼	78	50 - 120
Carbazole	ND		1.81	1.58		mg/Kg	☼	87	69 - 120
Chrysene	0.028		1.81	1.65		mg/Kg	☼	89	67 - 120
Di-n-butyl phthalate	ND		1.81	1.73		mg/Kg	☼	96	67 - 128
Di-n-octyl phthalate	ND		1.81	1.77		mg/Kg	☼	98	64 - 128
Dibenz(a,h)anthracene	ND		1.81	1.72		mg/Kg	☼	95	70 - 123
Dibenzofuran	ND		1.81	1.47		mg/Kg	☼	81	66 - 120
Diethyl phthalate	ND		1.81	1.50		mg/Kg	☼	83	66 - 120
Dimethyl phthalate	ND		1.81	1.48		mg/Kg	☼	82	65 - 120
Fluoranthene	0.0049	J	1.81	1.58		mg/Kg	☼	87	67 - 120
Fluorene	ND		1.81	1.49		mg/Kg	☼	82	67 - 120
Hexachlorobenzene	ND		1.81	1.54		mg/Kg	☼	85	64 - 120
Hexachlorobutadiene	ND		1.81	1.28		mg/Kg	☼	71	52 - 120
Hexachlorocyclopentadiene	ND	cn	1.81	0.944		mg/Kg	☼	52	32 - 123
Hexachloroethane	ND		1.81	1.10		mg/Kg	☼	61	54 - 120
Indeno[1,2,3-cd]pyrene	0.014	J	1.81	1.72		mg/Kg	☼	94	67 - 122
Isophorone	ND		1.81	1.32		mg/Kg	☼	73	58 - 120
N-Nitrosodi-n-propylamine	ND		1.81	1.30		mg/Kg	☼	72	51 - 120
N-Nitrosodiphenylamine	ND		1.54	1.38		mg/Kg	☼	90	70 - 120
Naphthalene	0.014	J	1.81	1.31		mg/Kg	☼	72	62 - 120
Nitrobenzene	ND		1.81	1.24		mg/Kg	☼	69	50 - 120
Pentachlorophenol	ND		3.62	2.87		mg/Kg	☼	79	41 - 124
Phenanthrene	0.013	J	1.81	1.56		mg/Kg	☼	85	69 - 120
Phenol	ND		1.81	1.33		mg/Kg	☼	74	54 - 120
Pyrene	0.0052	J	1.81	1.54		mg/Kg	☼	85	69 - 120
Pyridine	ND		3.62	1.45		mg/Kg	☼	40	25 - 120
Bis(2-chloroethoxy)methane	ND		1.81	1.33		mg/Kg	☼	74	53 - 120
Bis(2-chloroethyl)ether	ND		1.81	1.27		mg/Kg	☼	70	52 - 120
Bis(2-ethylhexyl) phthalate	ND		1.81	1.74		mg/Kg	☼	96	65 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*13 - 127*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 521360

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	75		29 - 120
2-Fluorophenol (Surr)	71		18 - 120
Nitrobenzene-d5 (Surr)	67		22 - 120
p-Terphenyl-d14 (Surr)	86		36 - 123
Phenol-d5 (Surr)	71		20 - 120

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 521360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	ND		1.81	1.47		mg/Kg	☼	81	63 - 120	1	30
1,2,4,5-Tetrachlorobenzene	ND		1.81	1.44		mg/Kg	☼	79	63 - 120	1	30
1,4-Dioxane	ND		1.81	0.642		mg/Kg	☼	35	25 - 120	1	30
1-Methylnaphthalene	0.043		1.81	1.38		mg/Kg	☼	74	60 - 120	2	30
2,2'-oxybis[1-chloropropane]	ND		1.81	1.31		mg/Kg	☼	72	22 - 125	3	30
2,3,4,6-Tetrachlorophenol	ND		1.81	1.45		mg/Kg	☼	80	57 - 120	1	30
2,4,5-Trichlorophenol	ND		1.81	1.52		mg/Kg	☼	84	63 - 120	1	30
2,4,6-Trichlorophenol	ND		1.81	1.55		mg/Kg	☼	85	58 - 124	2	30
2,4-Dichlorophenol	ND		1.81	1.42		mg/Kg	☼	78	64 - 120	0	30
2,4-Dimethylphenol	ND		1.81	1.37		mg/Kg	☼	76	63 - 120	2	30
2,4-Dinitrophenol	ND		3.62	1.10	F1 F2	mg/Kg	☼	30	36 - 130	32	30
2,4-Dinitrotoluene	ND		1.81	1.60		mg/Kg	☼	88	65 - 120	2	30
2,6-Dinitrotoluene	ND		1.81	1.57		mg/Kg	☼	87	67 - 120	2	30
2-Chloronaphthalene	ND		1.81	1.47		mg/Kg	☼	81	63 - 120	4	30
2-Chlorophenol	ND		1.81	1.31		mg/Kg	☼	72	61 - 120	0	30
2-Methylnaphthalene	0.057		1.81	1.39		mg/Kg	☼	73	61 - 120	1	30
2-Methylphenol	ND		1.81	1.36		mg/Kg	☼	75	59 - 120	2	30
2-Nitroaniline	ND		1.81	1.62		mg/Kg	☼	90	67 - 120	2	30
2-Nitrophenol	ND		1.81	1.34		mg/Kg	☼	74	60 - 120	2	30
3,3'-Dichlorobenzidine	ND		3.62	3.46		mg/Kg	☼	96	23 - 120	5	30
3-Nitroaniline	ND		1.81	1.31		mg/Kg	☼	72	34 - 120	9	30
4,6-Dinitro-2-methylphenol	ND		3.62	1.88	F1	mg/Kg	☼	52	55 - 131	22	30
4-Bromophenyl-phenylether	ND		1.81	1.56		mg/Kg	☼	86	66 - 120	1	30
4-Chloro-3-methylphenol	ND		1.81	1.46		mg/Kg	☼	80	59 - 120	1	30
4-Chloroaniline	ND		1.81	1.05		mg/Kg	☼	58	17 - 120	6	30
4-Chlorophenyl-phenyl ether	ND		1.81	1.48		mg/Kg	☼	82	65 - 120	1	30
4-Methylphenol	ND		1.81	1.29		mg/Kg	☼	71	59 - 120	1	30
4-Nitroaniline	ND		1.81	1.42		mg/Kg	☼	79	60 - 120	3	30
4-Nitrophenol	ND		3.62	2.73		mg/Kg	☼	75	41 - 130	0	30
Acenaphthene	ND		1.81	1.45		mg/Kg	☼	80	65 - 120	1	30
Acenaphthylene	ND		1.81	1.50		mg/Kg	☼	83	66 - 120	1	30
Acetophenone	ND		1.81	1.29		mg/Kg	☼	71	56 - 120	2	30
Anthracene	ND		1.81	1.63		mg/Kg	☼	90	69 - 120	2	30
Atrazine	ND		1.81	1.63		mg/Kg	☼	90	59 - 140	0	30
Benzaldehyde	ND		1.81	1.20		mg/Kg	☼	66	35 - 120	1	30
Benzo[a]anthracene	0.0093	J	1.81	1.63		mg/Kg	☼	90	68 - 120	1	30
Benzo[a]pyrene	0.0072	J	1.81	1.64		mg/Kg	☼	90	71 - 120	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 521564

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 521360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene	0.032		1.81	1.60		mg/Kg	☼	86	66 - 120	1	30
Benzo[g,h,i]perylene	0.025		1.81	1.76		mg/Kg	☼	96	69 - 120	0	30
Benzo[k]fluoranthene	0.0090	J	1.81	1.58		mg/Kg	☼	87	68 - 120	1	30
Butylbenzylphthalate	ND		1.81	1.70		mg/Kg	☼	94	64 - 120	2	30
Caprolactam	ND		1.81	1.39		mg/Kg	☼	77	50 - 120	2	30
Carbazole	ND		1.81	1.63		mg/Kg	☼	90	69 - 120	3	30
Chrysene	0.028		1.81	1.61		mg/Kg	☼	88	67 - 120	2	30
Di-n-butyl phthalate	ND		1.81	1.77		mg/Kg	☼	98	67 - 128	2	30
Di-n-octyl phthalate	ND		1.81	1.82		mg/Kg	☼	100	64 - 128	3	30
Dibenz(a,h)anthracene	ND		1.81	1.71		mg/Kg	☼	95	70 - 123	0	30
Dibenzofuran	ND		1.81	1.48		mg/Kg	☼	82	66 - 120	0	30
Diethyl phthalate	ND		1.81	1.53		mg/Kg	☼	84	66 - 120	2	30
Dimethyl phthalate	ND		1.81	1.51		mg/Kg	☼	83	65 - 120	2	30
Fluoranthene	0.0049	J	1.81	1.61		mg/Kg	☼	89	67 - 120	2	30
Fluorene	ND		1.81	1.51		mg/Kg	☼	84	67 - 120	2	30
Hexachlorobenzene	ND		1.81	1.57		mg/Kg	☼	87	64 - 120	2	30
Hexachlorobutadiene	ND		1.81	1.32		mg/Kg	☼	73	52 - 120	3	30
Hexachlorocyclopentadiene	ND	cn	1.81	1.08		mg/Kg	☼	60	32 - 123	14	30
Hexachloroethane	ND		1.81	1.14		mg/Kg	☼	63	54 - 120	3	30
Indeno[1,2,3-cd]pyrene	0.014	J	1.81	1.73		mg/Kg	☼	95	67 - 122	1	30
Isophorone	ND		1.81	1.34		mg/Kg	☼	74	58 - 120	2	30
N-Nitrosodi-n-propylamine	ND		1.81	1.32		mg/Kg	☼	73	51 - 120	2	30
N-Nitrosodiphenylamine	ND		1.54	1.41		mg/Kg	☼	92	70 - 120	3	30
Naphthalene	0.014	J	1.81	1.31		mg/Kg	☼	72	62 - 120	0	30
Nitrobenzene	ND		1.81	1.27		mg/Kg	☼	70	50 - 120	2	30
Pentachlorophenol	ND		3.62	2.72		mg/Kg	☼	75	41 - 124	6	30
Phenanthrene	0.013	J	1.81	1.60		mg/Kg	☼	87	69 - 120	3	30
Phenol	ND		1.81	1.34		mg/Kg	☼	74	54 - 120	1	30
Pyrene	0.0052	J	1.81	1.59		mg/Kg	☼	87	69 - 120	3	30
Pyridine	ND		3.62	1.51		mg/Kg	☼	42	25 - 120	4	30
Bis(2-chloroethoxy)methane	ND		1.81	1.34		mg/Kg	☼	74	53 - 120	1	30
Bis(2-chloroethyl)ether	ND		1.81	1.28		mg/Kg	☼	71	52 - 120	1	30
Bis(2-ethylhexyl) phthalate	ND		1.81	1.80		mg/Kg	☼	100	65 - 122	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*13 - 127*
2-Fluorobiphenyl (Surr)	*76*		*29 - 120*
2-Fluorophenol (Surr)	*73*		*18 - 120*
Nitrobenzene-d5 (Surr)	*68*		*22 - 120*
p-Terphenyl-d14 (Surr)	*88*		*36 - 123*
Phenol-d5 (Surr)	*73*		*20 - 120*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 410-521357/1-A
Matrix: Solid
Analysis Batch: 521936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Acenaphthylene	ND		1.7	0.33	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Anthracene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Benzo[a]anthracene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Benzo[a]pyrene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Benzo[b]fluoranthene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Benzo[g,h,i]perylene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Benzo[k]fluoranthene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Chrysene	ND		1.7	0.33	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Dibenz(a,h)anthracene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Fluoranthene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Fluorene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Indeno[1,2,3-cd]pyrene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Naphthalene	ND		3.3	1.3	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Phenanthrene	ND		2.3	1.0	ug/Kg		06/25/24 17:20	06/26/24 20:23	1
Pyrene	ND		1.7	0.67	ug/Kg		06/25/24 17:20	06/26/24 20:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Fluoranthene-d10 (Surr)	*84*		*15 - 126*	*06/25/24 17:20*	*06/26/24 20:23*	*1*
Benzo(a)pyrene-d12 (Surr)	*92*		*10 - 122*	*06/25/24 17:20*	*06/26/24 20:23*	*1*
1-Methylnaphthalene-d10 (Surr)	*79*		*22 - 120*	*06/25/24 17:20*	*06/26/24 20:23*	*1*

Lab Sample ID: LCS 410-521357/2-A
Matrix: Solid
Analysis Batch: 521936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521357

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	33.3	26.1		ug/Kg		78	60 - 120
Acenaphthylene	33.3	25.3		ug/Kg		76	62 - 120
Anthracene	33.3	28.0		ug/Kg		84	65 - 120
Benzo[a]anthracene	33.3	30.3		ug/Kg		91	60 - 120
Benzo[a]pyrene	33.3	30.1		ug/Kg		90	67 - 121
Benzo[b]fluoranthene	33.3	30.4		ug/Kg		91	65 - 120
Benzo[g,h,i]perylene	33.3	29.6		ug/Kg		89	60 - 120
Benzo[k]fluoranthene	33.3	31.3		ug/Kg		94	69 - 120
Chrysene	33.3	28.9		ug/Kg		87	66 - 120
Dibenz(a,h)anthracene	33.3	30.1		ug/Kg		90	60 - 120
Fluoranthene	33.3	27.1		ug/Kg		81	62 - 120
Fluorene	33.3	26.2		ug/Kg		79	61 - 120
Indeno[1,2,3-cd]pyrene	33.3	32.2		ug/Kg		96	56 - 126
Naphthalene	33.3	26.2		ug/Kg		79	59 - 120
Phenanthrene	33.3	27.5		ug/Kg		82	63 - 120
Pyrene	33.3	29.8		ug/Kg		89	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Fluoranthene-d10 (Surr)	*80*		*15 - 126*
Benzo(a)pyrene-d12 (Surr)	*89*		*10 - 122*
1-Methylnaphthalene-d10 (Surr)	*79*		*22 - 120*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 521936

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 521357

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.2		36.1	27.0		ug/Kg	☼	69	63 - 120
Acenaphthylene	2.4		36.1	27.0		ug/Kg	☼	68	61 - 120
Anthracene	2.6		36.1	29.5		ug/Kg	☼	75	64 - 128
Benzo[a]anthracene	11		36.1	41.0		ug/Kg	☼	84	51 - 137
Benzo[a]pyrene	6.6		36.1	35.4		ug/Kg	☼	80	60 - 122
Benzo[b]fluoranthene	36	F1	36.1	59.6		ug/Kg	☼	64	61 - 125
Benzo[g,h,i]perylene	24	F1	36.1	48.4	F1	ug/Kg	☼	67	71 - 125
Benzo[k]fluoranthene	14		36.1	40.4		ug/Kg	☼	74	58 - 133
Chrysene	37	F1	36.1	56.3	F1	ug/Kg	☼	52	61 - 120
Dibenz(a,h)anthracene	6.8		36.1	34.0		ug/Kg	☼	75	71 - 136
Fluoranthene	4.7		36.1	31.0		ug/Kg	☼	73	59 - 127
Fluorene	0.90	J	36.1	26.4		ug/Kg	☼	71	64 - 120
Indeno[1,2,3-cd]pyrene	18		36.1	45.5		ug/Kg	☼	77	69 - 149
Naphthalene	16	F1	36.1	31.5	F1	ug/Kg	☼	42	56 - 120
Phenanthrene	14	F1	36.1	32.8	F1	ug/Kg	☼	52	65 - 120
Pyrene	5.2		36.1	35.2		ug/Kg	☼	83	57 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Fluoranthene-d10 (Surr)	*76*		*15 - 126*
Benzo(a)pyrene-d12 (Surr)	*81*		*10 - 122*
1-Methylnaphthalene-d10 (Surr)	*70*		*22 - 120*

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 521936

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 521357

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.2		36.1	28.4		ug/Kg	☼	73	63 - 120	5	30
Acenaphthylene	2.4		36.1	28.5		ug/Kg	☼	72	61 - 120	5	30
Anthracene	2.6		36.1	32.1		ug/Kg	☼	82	64 - 128	8	30
Benzo[a]anthracene	11		36.1	42.4		ug/Kg	☼	88	51 - 137	3	30
Benzo[a]pyrene	6.6		36.1	38.3		ug/Kg	☼	88	60 - 122	8	30
Benzo[b]fluoranthene	36	F1	36.1	55.9	F1	ug/Kg	☼	54	61 - 125	6	30
Benzo[g,h,i]perylene	24	F1	36.1	46.6	F1	ug/Kg	☼	62	71 - 125	4	30
Benzo[k]fluoranthene	14		36.1	40.8		ug/Kg	☼	75	58 - 133	1	30
Chrysene	37	F1	36.1	52.8	F1	ug/Kg	☼	43	61 - 120	6	30
Dibenz(a,h)anthracene	6.8		36.1	35.7		ug/Kg	☼	80	71 - 136	5	30
Fluoranthene	4.7		36.1	34.3		ug/Kg	☼	82	59 - 127	10	30
Fluorene	0.90	J	36.1	28.2		ug/Kg	☼	76	64 - 120	7	30
Indeno[1,2,3-cd]pyrene	18		36.1	45.2		ug/Kg	☼	76	69 - 149	1	30
Naphthalene	16	F1	36.1	30.5	F1	ug/Kg	☼	39	56 - 120	3	30
Phenanthrene	14	F1	36.1	34.2	F1	ug/Kg	☼	56	65 - 120	4	30
Pyrene	5.2		36.1	38.8		ug/Kg	☼	93	57 - 120	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Fluoranthene-d10 (Surr)	*83*		*15 - 126*
Benzo(a)pyrene-d12 (Surr)	*89*		*10 - 122*
1-Methylnaphthalene-d10 (Surr)	*77*		*22 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 410-521552/1-A
Matrix: Solid
Analysis Batch: 521940

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 521552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.017	0.0053	mg/Kg		06/26/24 09:32	06/26/24 21:09	1
PCB-1221 (1C)	ND		0.017	0.0053	mg/Kg		06/26/24 09:32	06/26/24 21:09	1
PCB-1232 (1C)	ND		0.017	0.0053	mg/Kg		06/26/24 09:32	06/26/24 21:09	1
PCB-1242 (1C)	ND		0.017	0.0053	mg/Kg		06/26/24 09:32	06/26/24 21:09	1
PCB-1248 (1C)	ND		0.017	0.0053	mg/Kg		06/26/24 09:32	06/26/24 21:09	1
PCB-1254 (1C)	ND		0.017	0.0064	mg/Kg		06/26/24 09:32	06/26/24 21:09	1
PCB-1260 (1C)	ND		0.017	0.0064	mg/Kg		06/26/24 09:32	06/26/24 21:09	1
PCB-1262 (1C)	ND		0.017	0.0064	mg/Kg		06/26/24 09:32	06/26/24 21:09	1
PCB-1268 (1C)	ND		0.017	0.0064	mg/Kg		06/26/24 09:32	06/26/24 21:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*90*		*66 - 130*	*06/26/24 09:32*	*06/26/24 21:09*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*104*		*66 - 130*	*06/26/24 09:32*	*06/26/24 21:09*	*1*
Tetrachloro-m-xylene (1C)	*107*		*68 - 130*	*06/26/24 09:32*	*06/26/24 21:09*	*1*
Tetrachloro-m-xylene (2C)	*119*		*68 - 130*	*06/26/24 09:32*	*06/26/24 21:09*	*1*

Lab Sample ID: LCS 410-521552/2-A
Matrix: Solid
Analysis Batch: 521940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 521552

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016 (1C)			0.167	0.164		mg/Kg		98	68 - 121		
PCB-1260 (1C)			0.167	0.141		mg/Kg		84	75 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*94*		*66 - 130*
DCB Decachlorobiphenyl (Surr) (2C)	*108*		*66 - 130*
Tetrachloro-m-xylene (1C)	*104*		*68 - 130*
Tetrachloro-m-xylene (2C)	*116*		*68 - 130*

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 521940

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 521552

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016 (1C)	ND		0.182	0.177		mg/Kg	☼	97	68 - 121		
PCB-1260 (1C)	ND		0.182	0.133	F1	mg/Kg	☼	73	75 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*96*		*66 - 130*
DCB Decachlorobiphenyl (Surr) (2C)	*105*		*66 - 130*
Tetrachloro-m-xylene (1C)	*101*		*68 - 130*
Tetrachloro-m-xylene (2C)	*111*		*68 - 130*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 521940

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 521552

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016 (1C)	ND		0.181	0.167		mg/Kg	☼	92	68 - 121	6	50
PCB-1260 (1C)	ND		0.182	0.143		mg/Kg	☼	79	75 - 130	7	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*81*		*66 - 130*
DCB Decachlorobiphenyl (Surr) (2C)	*92*		*66 - 130*
Tetrachloro-m-xylene (1C)	*97*		*68 - 130*
Tetrachloro-m-xylene (2C)	*106*		*68 - 130*

Lab Sample ID: MB 410-523042/1-A
Matrix: Solid
Analysis Batch: 523384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 523042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.017	0.0053	mg/Kg		06/29/24 10:50	07/01/24 10:11	1
PCB-1221 (1C)	ND		0.017	0.0053	mg/Kg		06/29/24 10:50	07/01/24 10:11	1
PCB-1232 (1C)	ND		0.017	0.0053	mg/Kg		06/29/24 10:50	07/01/24 10:11	1
PCB-1242 (1C)	ND		0.017	0.0053	mg/Kg		06/29/24 10:50	07/01/24 10:11	1
PCB-1248 (1C)	ND		0.017	0.0053	mg/Kg		06/29/24 10:50	07/01/24 10:11	1
PCB-1254 (1C)	ND		0.017	0.0064	mg/Kg		06/29/24 10:50	07/01/24 10:11	1
PCB-1260 (1C)	ND		0.017	0.0064	mg/Kg		06/29/24 10:50	07/01/24 10:11	1
PCB-1262 (1C)	ND		0.017	0.0064	mg/Kg		06/29/24 10:50	07/01/24 10:11	1
PCB-1268 (1C)	ND		0.017	0.0064	mg/Kg		06/29/24 10:50	07/01/24 10:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*105*		*66 - 130*	*06/29/24 10:50*	*07/01/24 10:11*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*120*		*66 - 130*	*06/29/24 10:50*	*07/01/24 10:11*	*1*
Tetrachloro-m-xylene (1C)	*97*		*68 - 130*	*06/29/24 10:50*	*07/01/24 10:11*	*1*
Tetrachloro-m-xylene (2C)	*108*		*68 - 130*	*06/29/24 10:50*	*07/01/24 10:11*	*1*

Lab Sample ID: LCS 410-523042/2-A
Matrix: Solid
Analysis Batch: 523384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 523042

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016 (1C)			0.167	0.152		mg/Kg		91	68 - 121		
PCB-1260 (1C)			0.167	0.150		mg/Kg		90	75 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*98*		*66 - 130*
DCB Decachlorobiphenyl (Surr) (2C)	*112*		*66 - 130*
Tetrachloro-m-xylene (1C)	*92*		*68 - 130*
Tetrachloro-m-xylene (2C)	*102*		*68 - 130*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 410-175929-5 MS
Matrix: Solid
Analysis Batch: 523384

Client Sample ID: FIELD DUP
Prep Type: Total/NA
Prep Batch: 523042

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016 (1C)	ND		0.180	0.147		mg/Kg	☼	82	68 - 121
PCB-1260 (1C)	ND		0.180	0.135		mg/Kg	☼	75	75 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*81*	*cn*	*66 - 130*
DCB Decachlorobiphenyl (Surr) (2C)	*97*	*cn*	*66 - 130*
Tetrachloro-m-xylene (1C)	*87*		*68 - 130*
Tetrachloro-m-xylene (2C)	*90*		*68 - 130*

Lab Sample ID: 410-175929-5 MSD
Matrix: Solid
Analysis Batch: 523384

Client Sample ID: FIELD DUP
Prep Type: Total/NA
Prep Batch: 523042

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016 (1C)	ND		0.181	0.153		mg/Kg	☼	84	68 - 121	4	50
PCB-1260 (1C)	ND		0.182	0.140		mg/Kg	☼	77	75 - 130	4	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*84*	*cn*	*66 - 130*
DCB Decachlorobiphenyl (Surr) (2C)	*101*	*cn*	*66 - 130*
Tetrachloro-m-xylene (1C)	*87*		*68 - 130*
Tetrachloro-m-xylene (2C)	*92*		*68 - 130*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-518755/1-A ^2
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	9.9	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Antimony	ND		0.20	0.080	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Arsenic	ND		0.40	0.13	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Barium	ND		0.40	0.18	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Beryllium	ND		0.10	0.024	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Cadmium	ND		0.10	0.040	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Calcium	ND		40	20	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Chromium	ND		0.40	0.19	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Cobalt	ND		0.20	0.080	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Copper	ND		0.40	0.18	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Iron	ND		20	9.2	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Lead	ND		0.20	0.076	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Magnesium	ND		10	4.9	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Manganese	ND		0.40	0.20	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Nickel	ND		0.40	0.19	mg/Kg		06/19/24 08:30	06/27/24 17:18	2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-518755/1-A ^2
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	ND		40	16	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Selenium	ND		0.40	0.10	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Silver	ND		0.10	0.041	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Sodium	ND		50	24	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Thallium	ND		0.10	0.039	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Zinc	ND		30	4.0	mg/Kg		06/19/24 08:30	06/27/24 17:18	2
Vanadium	ND		0.80	0.20	mg/Kg		06/19/24 08:30	06/27/24 17:18	2

Lab Sample ID: LCS 410-518755/2-A ^2
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	516		mg/Kg		103	83 - 119
Antimony	10.0	10.0		mg/Kg		100	87 - 116
Arsenic	50.0	50.7		mg/Kg		101	87 - 114
Barium	50.0	50.4		mg/Kg		101	87 - 117
Beryllium	5.00	5.08		mg/Kg		102	80 - 120
Cadmium	5.00	5.17		mg/Kg		103	88 - 117
Calcium	500	517		mg/Kg		103	84 - 119
Chromium	50.0	49.5		mg/Kg		99	86 - 116
Cobalt	50.0	50.4		mg/Kg		101	85 - 115
Copper	50.0	50.1		mg/Kg		100	84 - 115
Iron	500	520		mg/Kg		104	87 - 117
Lead	5.00	5.23		mg/Kg		105	88 - 117
Magnesium	500	517		mg/Kg		103	83 - 119
Manganese	50.0	50.3		mg/Kg		101	87 - 116
Nickel	50.0	51.1		mg/Kg		102	87 - 115
Potassium	500	490		mg/Kg		98	83 - 118
Selenium	10.0	9.91		mg/Kg		99	87 - 115
Silver	5.00	5.22		mg/Kg		104	88 - 117
Sodium	500	498		mg/Kg		100	81 - 120
Thallium	10.0	10.3		mg/Kg		103	87 - 116
Zinc	50.0	51.4		mg/Kg		103	86 - 116
Vanadium	50.0	50.4		mg/Kg		101	86 - 115

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 518755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	18000	^2	524	33500	E 4	mg/Kg	☼	3025	75 - 125
Antimony	ND	F1 F2	10.5	4.94	F1	mg/Kg	☼	47	75 - 125
Arsenic	2.8		52.4	51.4		mg/Kg	☼	93	75 - 125
Barium	23	F1	52.4	104	F1	mg/Kg	☼	156	75 - 125
Beryllium	0.76		5.24	5.51		mg/Kg	☼	91	75 - 125
Cadmium	0.051	J	5.24	5.38		mg/Kg	☼	102	75 - 125
Calcium	1100	F1	524	2400	F1	mg/Kg	☼	254	75 - 125
Chromium	16		52.4	70.7		mg/Kg	☼	105	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 518755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	3.1		52.4	53.5		mg/Kg	☼	96	75 - 125
Copper	28	F1	52.4	234	E F1	mg/Kg	☼	393	75 - 125
Lead	24	F2	5.24	120	4	mg/Kg	☼	1817	75 - 125
Magnesium	340	F1	524	1120	F1	mg/Kg	☼	148	75 - 125
Manganese	53	F1	52.4	120	F1	mg/Kg	☼	128	75 - 125
Nickel	9.7		52.4	64.6		mg/Kg	☼	105	75 - 125
Potassium	430	F1	524	1270	F1	mg/Kg	☼	160	75 - 125
Selenium	0.67		10.5	11.0		mg/Kg	☼	99	75 - 125
Silver	ND		5.24	5.24		mg/Kg	☼	100	75 - 125
Sodium	76		524	639		mg/Kg	☼	107	75 - 125
Thallium	0.11		10.5	9.67		mg/Kg	☼	91	75 - 125
Zinc	66	F1 F2	52.4	216	E F1	mg/Kg	☼	287	75 - 125
Vanadium	20	F1	52.4	82.5		mg/Kg	☼	118	75 - 125

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 518755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	47000	^2	524	69800	4	mg/Kg	☼	4257	75 - 125

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 518755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	18000	^2	429	32700	E 4	mg/Kg	☼	3501	75 - 125	3	20
Antimony	ND	F1 F2	8.59	3.84	F1 F2	mg/Kg	☼	45	75 - 125	25	20
Arsenic	2.8		42.9	43.2		mg/Kg	☼	94	75 - 125	17	20
Barium	23	F1	42.9	89.7	F1	mg/Kg	☼	156	75 - 125	15	20
Beryllium	0.76		4.29	4.59		mg/Kg	☼	89	75 - 125	18	20
Cadmium	0.051	J	4.29	4.54		mg/Kg	☼	105	75 - 125	17	20
Calcium	1100	F1	429	2090	F1	mg/Kg	☼	238	75 - 125	14	20
Chromium	16		42.9	64.2		mg/Kg	☼	113	75 - 125	10	20
Cobalt	3.1		42.9	44.9		mg/Kg	☼	97	75 - 125	17	20
Copper	28	F1	42.9	248	E F1	mg/Kg	☼	513	75 - 125	6	20
Lead	24	F2	4.29	64.1	4 F2	mg/Kg	☼	927	75 - 125	60	20
Magnesium	340	F1	429	1020	F1	mg/Kg	☼	158	75 - 125	9	20
Manganese	53	F1	42.9	119	F1	mg/Kg	☼	155	75 - 125	1	20
Nickel	9.7		42.9	55.4		mg/Kg	☼	106	75 - 125	15	20
Potassium	430	F1	429	1150	F1	mg/Kg	☼	167	75 - 125	10	20
Selenium	0.67		8.59	9.40		mg/Kg	☼	102	75 - 125	16	20
Silver	ND		4.29	4.51		mg/Kg	☼	105	75 - 125	15	20
Sodium	76		429	524		mg/Kg	☼	104	75 - 125	20	20
Thallium	0.11		8.59	8.37		mg/Kg	☼	96	75 - 125	14	20
Zinc	66	F1 F2	42.9	155	E F1 F2	mg/Kg	☼	209	75 - 125	33	20
Vanadium	20	F1	42.9	75.2	F1	mg/Kg	☼	128	75 - 125	9	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 518755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	47000	^2	429	64200	4	mg/Kg	☼	3893	75 - 125	8	20

Lab Sample ID: 410-175929-3 DU
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: SB-2-1 DUP
Prep Type: Total/NA
Prep Batch: 518755

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	18000	^2	16800		mg/Kg	☼	5	20
Antimony	ND	F1 F2	ND		mg/Kg	☼	NC	20
Arsenic	2.8		2.60		mg/Kg	☼	7	20
Barium	23	F1	19.9		mg/Kg	☼	13	20
Beryllium	0.76		0.717		mg/Kg	☼	6	20
Cadmium	0.051	J	ND		mg/Kg	☼	NC	20
Calcium	1100	F1	849	F3	mg/Kg	☼	23	20
Chromium	16		14.3		mg/Kg	☼	10	20
Cobalt	3.1		2.57		mg/Kg	☼	18	20
Copper	28	F1	24.4		mg/Kg	☼	14	20
Lead	24	F2	19.3	F3	mg/Kg	☼	23	20
Magnesium	340	F1	317		mg/Kg	☼	7	20
Manganese	53	F1	45.5		mg/Kg	☼	15	20
Nickel	9.7		8.71		mg/Kg	☼	11	20
Potassium	430	F1	417		mg/Kg	☼	3	20
Selenium	0.67		0.633		mg/Kg	☼	5	20
Silver	ND		ND		mg/Kg	☼	NC	20
Sodium	76		64.9		mg/Kg	☼	16	20
Thallium	0.11		0.0939	J	mg/Kg	☼	12	20
Zinc	66	F1 F2	52.3	F5	mg/Kg	☼	23	20
Vanadium	20	F1	20.6		mg/Kg	☼	1	20

Lab Sample ID: 410-175929-3 DU
Matrix: Solid
Analysis Batch: 522501

Client Sample ID: SB-2-1 DUP
Prep Type: Total/NA
Prep Batch: 518755

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	47000	^2	45400		mg/Kg	☼	4	20

Lab Sample ID: MB 410-520882/1-A ^2
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	9.9	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Antimony	ND		0.20	0.080	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Arsenic	ND		0.40	0.13	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Barium	ND		0.40	0.18	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Beryllium	ND		0.10	0.024	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Cadmium	ND		0.10	0.040	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Calcium	ND		40	20	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Chromium	ND		0.40	0.19	mg/Kg		06/24/24 21:00	06/25/24 13:09	2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-520882/1-A ^2
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 520882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.20	0.080	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Copper	ND		0.40	0.18	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Iron	ND		20	9.2	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Lead	ND		0.20	0.076	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Magnesium	ND		10	4.9	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Manganese	ND		0.40	0.20	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Nickel	ND		0.40	0.19	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Potassium	ND		40	16	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Selenium	ND		0.40	0.10	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Silver	ND		0.10	0.041	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Sodium	ND		50	24	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Thallium	ND		0.10	0.039	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Zinc	ND		30	4.0	mg/Kg		06/24/24 21:00	06/25/24 13:09	2
Vanadium	ND		0.80	0.20	mg/Kg		06/24/24 21:00	06/25/24 13:09	2

Lab Sample ID: LCS 410-520882/2-A ^2
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 520882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	488		mg/Kg		98	83 - 119
Antimony	10.0	9.51		mg/Kg		95	87 - 116
Arsenic	50.0	47.4		mg/Kg		95	87 - 114
Barium	50.0	47.9		mg/Kg		96	87 - 117
Beryllium	5.00	4.91		mg/Kg		98	80 - 120
Cadmium	5.00	4.88		mg/Kg		98	88 - 117
Calcium	500	486		mg/Kg		97	84 - 119
Chromium	50.0	47.0		mg/Kg		94	86 - 116
Cobalt	50.0	46.4		mg/Kg		93	85 - 115
Copper	50.0	46.4		mg/Kg		93	84 - 115
Iron	500	472		mg/Kg		94	87 - 117
Lead	5.00	4.88		mg/Kg		98	88 - 117
Magnesium	500	488		mg/Kg		98	83 - 119
Manganese	50.0	47.6		mg/Kg		95	87 - 116
Nickel	50.0	48.1		mg/Kg		96	87 - 115
Potassium	500	475		mg/Kg		95	83 - 118
Selenium	10.0	9.32		mg/Kg		93	87 - 115
Silver	5.00	4.93		mg/Kg		99	88 - 117
Sodium	500	479		mg/Kg		96	81 - 120
Thallium	10.0	9.66		mg/Kg		97	87 - 116
Zinc	50.0	47.2		mg/Kg		94	86 - 116
Vanadium	50.0	47.4		mg/Kg		95	86 - 115

Lab Sample ID: 410-175642-A-8-C MS ^10
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 520882

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	55000		660	80100	4	mg/Kg	☼	3830	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-175642-A-8-C MS ^10
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 520882

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		13.2	10.8		mg/Kg	☼	82	75 - 125
Arsenic	15		66.0	86.6		mg/Kg	☼	108	75 - 125
Barium	130	F1	66.0	287	F1	mg/Kg	☼	240	75 - 125
Beryllium	2.5		6.60	10.6		mg/Kg	☼	123	75 - 125
Cadmium	ND		6.60	6.69		mg/Kg	☼	101	75 - 125
Calcium	33000	F2	660	5150	4	mg/Kg	☼	-4264	75 - 125
Chromium	33	F1	66.0	114		mg/Kg	☼	123	75 - 125
Cobalt	44	^2 F1 F2	66.0	115		mg/Kg	☼	108	75 - 125
Copper	34		66.0	106		mg/Kg	☼	109	75 - 125
Iron	49000		660	55600	4	mg/Kg	☼	951	75 - 125
Lead	23	F1	6.60	33.0	F1	mg/Kg	☼	151	75 - 125
Magnesium	4700	F2	660	6030	4	mg/Kg	☼	199	75 - 125
Manganese	1100	F2	66.0	1150	4	mg/Kg	☼	133	75 - 125
Nickel	46		66.0	128		mg/Kg	☼	124	75 - 125
Potassium	4400		660	8220	4	mg/Kg	☼	575	75 - 125
Selenium	ND		13.2	13.6		mg/Kg	☼	103	75 - 125
Silver	ND		6.60	6.98		mg/Kg	☼	106	75 - 125
Sodium	ND		660	772		mg/Kg	☼	117	75 - 125
Thallium	0.39	J	13.2	14.0		mg/Kg	☼	103	75 - 125
Zinc	78	J F1	66.0	164	J F1	mg/Kg	☼	130	75 - 125
Vanadium	68	F1	66.0	154	F1	mg/Kg	☼	130	75 - 125

Lab Sample ID: 410-175642-A-8-C MS ^2
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 520882

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.36	F1	13.2	10.1	F1	mg/Kg	☼	74	75 - 125
Arsenic	15		66.0	78.8		mg/Kg	☼	96	75 - 125
Beryllium	2.5		6.60	9.67		mg/Kg	☼	108	75 - 125
Cadmium	0.16		6.60	6.69		mg/Kg	☼	99	75 - 125
Calcium	33000	E F2	660	4760	4	mg/Kg	☼	-4211	75 - 125
Chromium	32		66.0	103		mg/Kg	☼	108	75 - 125
Cobalt	42	^2 F1 F2	66.0	104		mg/Kg	☼	94	75 - 125
Copper	32		66.0	94.6		mg/Kg	☼	94	75 - 125
Lead	21	F1	6.60	27.0		mg/Kg	☼	95	75 - 125
Magnesium	4600	F2	660	5470	4	mg/Kg	☼	124	75 - 125
Manganese	1100	F2	66.0	1090	4	mg/Kg	☼	11	75 - 125
Nickel	44		66.0	114		mg/Kg	☼	106	75 - 125
Potassium	4400		660	7880	4	mg/Kg	☼	533	75 - 125
Selenium	0.19	J	13.2	13.2		mg/Kg	☼	99	75 - 125
Silver	ND		6.60	6.64		mg/Kg	☼	101	75 - 125
Sodium	61	J	660	727		mg/Kg	☼	101	75 - 125
Thallium	0.37		13.2	11.2		mg/Kg	☼	82	75 - 125
Zinc	76		66.0	149		mg/Kg	☼	111	75 - 125
Vanadium	67		66.0	141		mg/Kg	☼	112	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-175642-A-8-D MSD ^10
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 520882

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	55000		648	83000	4	mg/Kg	☼	4355	75 - 125	4	20
Antimony	ND		13.0	11.1		mg/Kg	☼	86	75 - 125	3	20
Arsenic	15		64.8	84.8		mg/Kg	☼	108	75 - 125	2	20
Barium	130	F1	64.8	267	F1	mg/Kg	☼	213	75 - 125	7	20
Beryllium	2.5		6.48	9.61		mg/Kg	☼	110	75 - 125	10	20
Cadmium	ND		6.48	7.02		mg/Kg	☼	108	75 - 125	5	20
Calcium	33000	F2	648	46100	4 F2	mg/Kg	☼	1978	75 - 125	160	20
Chromium	33	F1	64.8	116	F1	mg/Kg	☼	129	75 - 125	2	20
Cobalt	44	^2 F1 F2	64.8	85.4	F1 F2	mg/Kg	☼	64	75 - 125	30	20
Copper	34		64.8	102		mg/Kg	☼	106	75 - 125	3	20
Iron	49000		648	54000	4	mg/Kg	☼	730	75 - 125	3	20
Lead	23	F1	6.48	38.1	F1	mg/Kg	☼	233	75 - 125	14	20
Magnesium	4700	F2	648	8090	4 F2	mg/Kg	☼	521	75 - 125	29	20
Manganese	1100	F2	64.8	541	4 F2	mg/Kg	☼	-806	75 - 125	72	20
Nickel	46		64.8	119		mg/Kg	☼	112	75 - 125	7	20
Potassium	4400		648	8220	4	mg/Kg	☼	587	75 - 125	0	20
Selenium	ND		13.0	13.5		mg/Kg	☼	104	75 - 125	1	20
Silver	ND		6.48	7.08		mg/Kg	☼	109	75 - 125	1	20
Sodium	ND		648	794		mg/Kg	☼	123	75 - 125	3	20
Thallium	0.39	J	13.0	14.6		mg/Kg	☼	110	75 - 125	4	20
Zinc	78	J F1	64.8	172	J F1	mg/Kg	☼	145	75 - 125	5	20
Vanadium	68	F1	64.8	166	F1	mg/Kg	☼	152	75 - 125	8	20

Lab Sample ID: 410-175642-A-8-D MSD ^2
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 520882

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.36	F1	13.0	9.17	F1	mg/Kg	☼	68	75 - 125	10	20
Arsenic	15		64.8	73.8		mg/Kg	☼	90	75 - 125	7	20
Barium	130	F1	64.8	232	F1	mg/Kg	☼	152	75 - 125	16	20
Beryllium	2.5		6.48	8.29		mg/Kg	☼	89	75 - 125	15	20
Cadmium	0.16		6.48	6.06		mg/Kg	☼	91	75 - 125	10	20
Chromium	32		64.8	99.6		mg/Kg	☼	105	75 - 125	3	20
Cobalt	42	^2 F1 F2	64.8	72.5	F1 F2	mg/Kg	☼	47	75 - 125	36	20
Copper	32		64.8	86.8		mg/Kg	☼	84	75 - 125	9	20
Lead	21	F1	6.48	30.9	F1	mg/Kg	☼	156	75 - 125	13	20
Magnesium	4600	F2	648	7040	4 F2	mg/Kg	☼	369	75 - 125	25	20
Manganese	1100	F2	64.8	462	4 F2	mg/Kg	☼	-953	75 - 125	81	20
Nickel	44		64.8	100		mg/Kg	☼	86	75 - 125	13	20
Potassium	4400		648	7480	4	mg/Kg	☼	481	75 - 125	5	20
Selenium	0.19	J	13.0	12.0		mg/Kg	☼	91	75 - 125	9	20
Silver	ND		6.48	6.08		mg/Kg	☼	94	75 - 125	9	20
Sodium	61	J	648	706		mg/Kg	☼	100	75 - 125	3	20
Thallium	0.37		13.0	11.6		mg/Kg	☼	87	75 - 125	3	20
Zinc	76		64.8	147		mg/Kg	☼	110	75 - 125	2	20
Vanadium	67		64.8	143		mg/Kg	☼	118	75 - 125	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-175642-A-8-B DU ^10
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 520882

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	55000		63000		mg/Kg	☼	14	20
Antimony	ND		ND		mg/Kg	☼	NC	20
Arsenic	15		16.6		mg/Kg	☼	9	20
Barium	130	F1	123		mg/Kg	☼	5	20
Beryllium	2.5		2.59		mg/Kg	☼	3	20
Cadmium	ND		ND		mg/Kg	☼	NC	20
Calcium	33000	F2	5840	F3	mg/Kg	☼	140	20
Chromium	33	F1	41.8	F3	mg/Kg	☼	25	20
Cobalt	44	^2 F1 F2	30.8	F3	mg/Kg	☼	35	20
Copper	34		34.6		mg/Kg	☼	3	20
Iron	49000		57800		mg/Kg	☼	16	20
Lead	23	F1	22.7		mg/Kg	☼	2	20
Magnesium	4700	F2	4220		mg/Kg	☼	11	20
Manganese	1100	F2	730	F3	mg/Kg	☼	37	20
Nickel	46		53.8		mg/Kg	☼	15	20
Potassium	4400		4120		mg/Kg	☼	7	20
Selenium	ND		ND		mg/Kg	☼	NC	20
Silver	ND		ND		mg/Kg	☼	NC	20
Sodium	ND		ND		mg/Kg	☼	NC	20
Thallium	0.39	J	0.454	J	mg/Kg	☼	14	20
Zinc	78	J F1	90.1	J	mg/Kg	☼	14	20
Vanadium	68	F1	81.0		mg/Kg	☼	18	20

Lab Sample ID: 410-175642-A-8-B DU ^2
Matrix: Solid
Analysis Batch: 521349

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 520882

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	0.36	F1	0.304		mg/Kg	☼	17	20
Arsenic	15		14.6		mg/Kg	☼	4	20
Barium	130	F1	114		mg/Kg	☼	17	20
Beryllium	2.5		2.34		mg/Kg	☼	9	20
Cadmium	0.16		0.117	J F5	mg/Kg	☼	31	20
Calcium	33000	E F2	5060	F3	mg/Kg	☼	146	20
Chromium	32		35.9		mg/Kg	☼	13	20
Cobalt	42	^2 F1 F2	26.9	F3	mg/Kg	☼	44	20
Copper	32		30.2		mg/Kg	☼	7	20
Lead	21	F1	18.0		mg/Kg	☼	14	20
Magnesium	4600	F2	3720	F3	mg/Kg	☼	22	20
Manganese	1100	F2	663	F3	mg/Kg	☼	48	20
Nickel	44		46.4		mg/Kg	☼	5	20
Potassium	4400		3740		mg/Kg	☼	15	20
Selenium	0.19	J	0.216	J	mg/Kg	☼	12	20
Silver	ND		0.0675	J	mg/Kg	☼	NC	20
Sodium	61	J	57.4	J	mg/Kg	☼	6	20
Thallium	0.37		0.334		mg/Kg	☼	10	20
Zinc	76		77.5		mg/Kg	☼	2	20
Vanadium	67		70.7		mg/Kg	☼	6	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 410-518751/1-A
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.060	0.020	mg/Kg		06/19/24 10:45	06/20/24 10:30	1

Lab Sample ID: LCS 410-518751/2-A
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518751

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.167	0.173		mg/Kg		104	80 - 120		

Lab Sample ID: 410-176171-M-1-B MS
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 518751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.062	J	0.227	0.287		mg/Kg	☼	99	80 - 120		

Lab Sample ID: 410-176171-M-1-C MSD
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 518751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.062	J	0.220	0.271		mg/Kg	☼	95	80 - 120	6	20

Lab Sample ID: 410-176171-C-1-A DU
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 518751

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.062	J	0.0597	J	mg/Kg	☼	4	20

Lab Sample ID: MB 410-518752/1-A
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.060	0.020	mg/Kg		06/19/24 10:45	06/20/24 11:33	1

Lab Sample ID: LCS 410-518752/2-A
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.167	0.175		mg/Kg		105	80 - 120		

Lab Sample ID: 410-175929-3 MS
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: SB-2-1 MS
Prep Type: Total/NA
Prep Batch: 518752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.029	J	0.176	0.211		mg/Kg	☼	104	80 - 120		

Method: 7471B - Mercury (CVAA)

Lab Sample ID: 410-175929-3 MSD
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: SB-2-1 MSD
Prep Type: Total/NA
Prep Batch: 518752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.029	J	0.170	0.204		mg/Kg	☼	103	80 - 120	3	20

Lab Sample ID: 410-175929-3 DU
Matrix: Solid
Analysis Batch: 519676

Client Sample ID: SB-2-1 DUP
Prep Type: Total/NA
Prep Batch: 518752

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.029	J		0.0311	J	mg/Kg	☼			8	20

GC/MS VOA

Prep Batch: 520390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	5035A	
410-175929-2	SB-1-2	Total/NA	Solid	5035A	
410-175929-3	SB-2-1	Total/NA	Solid	5035A	
410-175929-4	SB-2-2	Total/NA	Solid	5035A	
410-175929-5	FIELD DUP	Total/NA	Solid	5035A	
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	5035A	
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	5035A	

Analysis Batch: 521638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	8260D	520390
410-175929-2	SB-1-2	Total/NA	Solid	8260D	520390
410-175929-3	SB-2-1	Total/NA	Solid	8260D	520390
410-175929-4	SB-2-2	Total/NA	Solid	8260D	520390
410-175929-5	FIELD DUP	Total/NA	Solid	8260D	520390
MB 410-521638/8	Method Blank	Total/NA	Solid	8260D	
LCS 410-521638/5	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 410-521638/7	Lab Control Sample Dup	Total/NA	Solid	8260D	
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	8260D	520390
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	8260D	520390

Analysis Batch: 521761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-6	Trip Blank 1	Total/NA	Water	8260D	
MB 410-521761/10	Method Blank	Total/NA	Water	8260D	
LCS 410-521761/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-521761/6	Lab Control Sample Dup	Total/NA	Water	8260D	
410-176951-A-2 MS	Matrix Spike	Total/NA	Water	8260D	
410-176951-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 521357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	3546	
410-175929-1 - DL	SB-1-1	Total/NA	Solid	3546	
410-175929-2	SB-1-2	Total/NA	Solid	3546	
410-175929-3	SB-2-1	Total/NA	Solid	3546	
410-175929-4	SB-2-2	Total/NA	Solid	3546	
410-175929-5	FIELD DUP	Total/NA	Solid	3546	
410-175929-5 - DL	FIELD DUP	Total/NA	Solid	3546	
MB 410-521357/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-521357/2-A	Lab Control Sample	Total/NA	Solid	3546	
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	3546	
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	3546	

Prep Batch: 521360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	3546	
410-175929-2	SB-1-2	Total/NA	Solid	3546	
410-175929-3	SB-2-1	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 521360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-4	SB-2-2	Total/NA	Solid	3546	
410-175929-5	FIELD DUP	Total/NA	Solid	3546	
MB 410-521360/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-521360/2-A	Lab Control Sample	Total/NA	Solid	3546	
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	3546	
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	3546	

Analysis Batch: 521564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	8270E	521360
410-175929-2	SB-1-2	Total/NA	Solid	8270E	521360
410-175929-3	SB-2-1	Total/NA	Solid	8270E	521360
410-175929-4	SB-2-2	Total/NA	Solid	8270E	521360
410-175929-5	FIELD DUP	Total/NA	Solid	8270E	521360
MB 410-521360/1-A	Method Blank	Total/NA	Solid	8270E	521360
LCS 410-521360/2-A	Lab Control Sample	Total/NA	Solid	8270E	521360
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	8270E	521360
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	8270E	521360

Analysis Batch: 521936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	8270E SIM	521357
410-175929-2	SB-1-2	Total/NA	Solid	8270E SIM	521357
410-175929-3	SB-2-1	Total/NA	Solid	8270E SIM	521357
410-175929-4	SB-2-2	Total/NA	Solid	8270E SIM	521357
MB 410-521357/1-A	Method Blank	Total/NA	Solid	8270E SIM	521357
LCS 410-521357/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM	521357
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	8270E SIM	521357
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	8270E SIM	521357

Analysis Batch: 522041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1 - DL	SB-1-1	Total/NA	Solid	8270E SIM	521357
410-175929-5	FIELD DUP	Total/NA	Solid	8270E SIM	521357

Analysis Batch: 522447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-5 - DL	FIELD DUP	Total/NA	Solid	8270E SIM	521357

GC Semi VOA

Prep Batch: 521552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	3546	
410-175929-2	SB-1-2	Total/NA	Solid	3546	
410-175929-3	SB-2-1	Total/NA	Solid	3546	
MB 410-521552/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-521552/2-A	Lab Control Sample	Total/NA	Solid	3546	
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	3546	
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	3546	

GC Semi VOA

Analysis Batch: 521940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	8082A	521552
410-175929-2	SB-1-2	Total/NA	Solid	8082A	521552
410-175929-3	SB-2-1	Total/NA	Solid	8082A	521552
MB 410-521552/1-A	Method Blank	Total/NA	Solid	8082A	521552
LCS 410-521552/2-A	Lab Control Sample	Total/NA	Solid	8082A	521552
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	8082A	521552
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	8082A	521552

Prep Batch: 523042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-4	SB-2-2	Total/NA	Solid	3546	
410-175929-5	FIELD DUP	Total/NA	Solid	3546	
MB 410-523042/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-523042/2-A	Lab Control Sample	Total/NA	Solid	3546	
410-175929-5 MS	FIELD DUP	Total/NA	Solid	3546	
410-175929-5 MSD	FIELD DUP	Total/NA	Solid	3546	

Analysis Batch: 523384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-4	SB-2-2	Total/NA	Solid	8082A	523042
410-175929-5	FIELD DUP	Total/NA	Solid	8082A	523042
MB 410-523042/1-A	Method Blank	Total/NA	Solid	8082A	523042
LCS 410-523042/2-A	Lab Control Sample	Total/NA	Solid	8082A	523042
410-175929-5 MS	FIELD DUP	Total/NA	Solid	8082A	523042
410-175929-5 MSD	FIELD DUP	Total/NA	Solid	8082A	523042

Metals

Prep Batch: 518751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	7471B	
410-175929-2	SB-1-2	Total/NA	Solid	7471B	
410-175929-5	FIELD DUP	Total/NA	Solid	7471B	
MB 410-518751/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 410-518751/2-A	Lab Control Sample	Total/NA	Solid	7471B	
410-176171-M-1-B MS	Matrix Spike	Total/NA	Solid	7471B	
410-176171-M-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
410-176171-C-1-A DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 518752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-3	SB-2-1	Total/NA	Solid	7471B	
410-175929-4	SB-2-2	Total/NA	Solid	7471B	
MB 410-518752/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 410-518752/2-A	Lab Control Sample	Total/NA	Solid	7471B	
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	7471B	
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	7471B	
410-175929-3 DU	SB-2-1 DUP	Total/NA	Solid	7471B	

Metals

Prep Batch: 518755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-3	SB-2-1	Total/NA	Solid	3050B	
410-175929-4	SB-2-2	Total/NA	Solid	3050B	
MB 410-518755/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-518755/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	3050B	
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	3050B	
410-175929-3 DU	SB-2-1 DUP	Total/NA	Solid	3050B	

Analysis Batch: 519676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	7471B	518751
410-175929-2	SB-1-2	Total/NA	Solid	7471B	518751
410-175929-3	SB-2-1	Total/NA	Solid	7471B	518752
410-175929-4	SB-2-2	Total/NA	Solid	7471B	518752
410-175929-5	FIELD DUP	Total/NA	Solid	7471B	518751
MB 410-518751/1-A	Method Blank	Total/NA	Solid	7471B	518751
MB 410-518752/1-A	Method Blank	Total/NA	Solid	7471B	518752
LCS 410-518751/2-A	Lab Control Sample	Total/NA	Solid	7471B	518751
LCS 410-518752/2-A	Lab Control Sample	Total/NA	Solid	7471B	518752
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	7471B	518752
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	7471B	518752
410-176171-M-1-B MS	Matrix Spike	Total/NA	Solid	7471B	518751
410-176171-M-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	518751
410-175929-3 DU	SB-2-1 DUP	Total/NA	Solid	7471B	518752
410-176171-C-1-A DU	Duplicate	Total/NA	Solid	7471B	518751

Prep Batch: 520882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	3050B	
410-175929-2	SB-1-2	Total/NA	Solid	3050B	
410-175929-5	FIELD DUP	Total/NA	Solid	3050B	
MB 410-520882/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-520882/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
410-175642-A-8-C MS ^10	Matrix Spike	Total/NA	Solid	3050B	
410-175642-A-8-C MS ^2	Matrix Spike	Total/NA	Solid	3050B	
410-175642-A-8-D MSD ^10	Matrix Spike Duplicate	Total/NA	Solid	3050B	
410-175642-A-8-D MSD ^2	Matrix Spike Duplicate	Total/NA	Solid	3050B	
410-175642-A-8-B DU ^10	Duplicate	Total/NA	Solid	3050B	
410-175642-A-8-B DU ^2	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 521349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	6020B	520882
410-175929-1	SB-1-1	Total/NA	Solid	6020B	520882
410-175929-2	SB-1-2	Total/NA	Solid	6020B	520882
410-175929-2	SB-1-2	Total/NA	Solid	6020B	520882
410-175929-5	FIELD DUP	Total/NA	Solid	6020B	520882
410-175929-5	FIELD DUP	Total/NA	Solid	6020B	520882
MB 410-520882/1-A ^2	Method Blank	Total/NA	Solid	6020B	520882
LCS 410-520882/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	520882
410-175642-A-8-C MS ^10	Matrix Spike	Total/NA	Solid	6020B	520882

Metals (Continued)

Analysis Batch: 521349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175642-A-8-C MS ^2	Matrix Spike	Total/NA	Solid	6020B	520882
410-175642-A-8-D MSD ^10	Matrix Spike Duplicate	Total/NA	Solid	6020B	520882
410-175642-A-8-D MSD ^2	Matrix Spike Duplicate	Total/NA	Solid	6020B	520882
410-175642-A-8-B DU ^10	Duplicate	Total/NA	Solid	6020B	520882
410-175642-A-8-B DU ^2	Duplicate	Total/NA	Solid	6020B	520882

Analysis Batch: 522501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-3	SB-2-1	Total/NA	Solid	6020B	518755
410-175929-3	SB-2-1	Total/NA	Solid	6020B	518755
410-175929-4	SB-2-2	Total/NA	Solid	6020B	518755
410-175929-4	SB-2-2	Total/NA	Solid	6020B	518755
MB 410-518755/1-A ^2	Method Blank	Total/NA	Solid	6020B	518755
LCS 410-518755/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	518755
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	6020B	518755
410-175929-3 MS	SB-2-1 MS	Total/NA	Solid	6020B	518755
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	6020B	518755
410-175929-3 MSD	SB-2-1 MSD	Total/NA	Solid	6020B	518755
410-175929-3 DU	SB-2-1 DUP	Total/NA	Solid	6020B	518755
410-175929-3 DU	SB-2-1 DUP	Total/NA	Solid	6020B	518755

General Chemistry

Analysis Batch: 518535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-1	SB-1-1	Total/NA	Solid	Moisture	
410-175929-2	SB-1-2	Total/NA	Solid	Moisture	
410-175929-3	SB-2-1	Total/NA	Solid	Moisture	

Analysis Batch: 519139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-175929-4	SB-2-2	Total/NA	Solid	Moisture	
410-175929-5	FIELD DUP	Total/NA	Solid	Moisture	

Client Sample ID: SB-1-1
Date Collected: 06/13/24 09:57
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	518535	UVJN	ELLE	06/18/24 11:18

Client Sample ID: SB-1-1
Date Collected: 06/13/24 09:57
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-1
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A			520390	UK3O	ELLE	06/23/24 00:09
Total/NA	Analysis	8260D		50	521638	S8BP	ELLE	06/26/24 15:48
Total/NA	Prep	3546			521360	MD4W	ELLE	06/25/24 17:22
Total/NA	Analysis	8270E		1	521564	N5QU	ELLE	06/26/24 20:56
Total/NA	Prep	3546			521357	MD4W	ELLE	06/25/24 17:20
Total/NA	Analysis	8270E SIM		1	521936	UJM0	ELLE	06/27/24 04:32
Total/NA	Prep	3546	DL		521357	MD4W	ELLE	06/25/24 17:20
Total/NA	Analysis	8270E SIM	DL	10	522041	N5QU	ELLE	06/27/24 07:42
Total/NA	Prep	3546			521552	PQ6J	ELLE	06/26/24 09:32
Total/NA	Analysis	8082A		1	521940	M6UH	ELLE	06/26/24 23:36
Total/NA	Prep	3050B			520882	UAMX	ELLE	06/24/24 21:00
Total/NA	Analysis	6020B		2	521349	S4PD	ELLE	06/25/24 13:43
Total/NA	Prep	3050B			520882	UAMX	ELLE	06/24/24 21:00
Total/NA	Analysis	6020B		10	521349	S4PD	ELLE	06/25/24 13:45
Total/NA	Prep	7471B			518751	HNC4	ELLE	06/19/24 10:45
Total/NA	Analysis	7471B		1	519676	UEFS	ELLE	06/20/24 11:10

Client Sample ID: SB-1-2
Date Collected: 06/13/24 10:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	518535	UVJN	ELLE	06/18/24 11:18

Client Sample ID: SB-1-2
Date Collected: 06/13/24 10:30
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-2
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A			520390	UK3O	ELLE	06/23/24 00:09
Total/NA	Analysis	8260D		50	521638	S8BP	ELLE	06/26/24 16:09
Total/NA	Prep	3546			521360	MD4W	ELLE	06/25/24 17:22
Total/NA	Analysis	8270E		1	521564	N5QU	ELLE	06/26/24 21:20
Total/NA	Prep	3546			521357	MD4W	ELLE	06/25/24 17:20
Total/NA	Analysis	8270E SIM		1	521936	UJM0	ELLE	06/27/24 04:55
Total/NA	Prep	3546			521552	PQ6J	ELLE	06/26/24 09:32
Total/NA	Analysis	8082A		1	521940	M6UH	ELLE	06/26/24 23:46

Client Sample ID: SB-1-2

Lab Sample ID: 410-175929-2

Date Collected: 06/13/24 10:30

Matrix: Solid

Date Received: 06/14/24 09:40

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			520882	UAMX	ELLE	06/24/24 21:00
Total/NA	Analysis	6020B		2	521349	S4PD	ELLE	06/25/24 13:53
Total/NA	Prep	3050B			520882	UAMX	ELLE	06/24/24 21:00
Total/NA	Analysis	6020B		10	521349	S4PD	ELLE	06/25/24 13:55
Total/NA	Prep	7471B			518751	HNC4	ELLE	06/19/24 10:45
Total/NA	Analysis	7471B		1	519676	UEFS	ELLE	06/20/24 11:17

Client Sample ID: SB-2-1

Lab Sample ID: 410-175929-3

Date Collected: 06/13/24 10:50

Matrix: Solid

Date Received: 06/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	518535	UVJN	ELLE	06/18/24 11:18

Client Sample ID: SB-2-1

Lab Sample ID: 410-175929-3

Date Collected: 06/13/24 10:50

Matrix: Solid

Date Received: 06/14/24 09:40

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A			520390	UK3O	ELLE	06/23/24 00:09
Total/NA	Analysis	8260D		50	521638	S8BP	ELLE	06/26/24 16:30
Total/NA	Prep	3546			521360	MD4W	ELLE	06/25/24 17:22
Total/NA	Analysis	8270E		1	521564	N5QU	ELLE	06/26/24 21:43
Total/NA	Prep	3546			521357	MD4W	ELLE	06/25/24 17:20
Total/NA	Analysis	8270E SIM		1	521936	UJM0	ELLE	06/27/24 03:22
Total/NA	Prep	3546			521552	PQ6J	ELLE	06/26/24 09:32
Total/NA	Analysis	8082A		1	521940	M6UH	ELLE	06/26/24 21:51
Total/NA	Prep	3050B			518755	HNC4	ELLE	06/19/24 08:30
Total/NA	Analysis	6020B		2	522501	F7JF	ELLE	06/27/24 17:22
Total/NA	Prep	3050B			518755	HNC4	ELLE	06/19/24 08:30
Total/NA	Analysis	6020B		10	522501	F7JF	ELLE	06/27/24 17:24
Total/NA	Prep	7471B			518752	HNC4	ELLE	06/19/24 10:45
Total/NA	Analysis	7471B		1	519676	UEFS	ELLE	06/20/24 12:18

Client Sample ID: SB-2-2

Lab Sample ID: 410-175929-4

Date Collected: 06/13/24 11:30

Matrix: Solid

Date Received: 06/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	519139	UVJN	ELLE	06/19/24 14:00

Client Sample ID: SB-2-2 — **Lab Sample ID: 410-175929-4**
Date Collected: 06/13/24 11:30 — **Matrix: Solid**
Date Received: 06/14/24 09:40 — **Percent Solids: 88.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A			520390	UK3O	ELLE	06/23/24 00:09
Total/NA	Analysis	8260D		50	521638	S8BP	ELLE	06/26/24 17:33
Total/NA	Prep	3546			521360	MD4W	ELLE	06/25/24 17:22
Total/NA	Analysis	8270E		1	521564	N5QU	ELLE	06/26/24 23:16
Total/NA	Prep	3546			521357	MD4W	ELLE	06/25/24 17:20
Total/NA	Analysis	8270E SIM		1	521936	UJM0	ELLE	06/27/24 05:18
Total/NA	Prep	3546			523042	U9KU	ELLE	06/29/24 10:50
Total/NA	Analysis	8082A		1	523384	M6UH	ELLE	07/01/24 11:03
Total/NA	Prep	3050B			518755	HNC4	ELLE	06/19/24 08:30
Total/NA	Analysis	6020B		2	522501	F7JF	ELLE	06/27/24 17:59
Total/NA	Prep	3050B			518755	HNC4	ELLE	06/19/24 08:30
Total/NA	Analysis	6020B		10	522501	F7JF	ELLE	06/27/24 18:21
Total/NA	Prep	7471B			518752	HNC4	ELLE	06/19/24 10:45
Total/NA	Analysis	7471B		1	519676	UEFS	ELLE	06/20/24 12:16

Client Sample ID: FIELD DUP — **Lab Sample ID: 410-175929-5**
Date Collected: 06/13/24 00:00 — **Matrix: Solid**
Date Received: 06/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	519139	UVJN	ELLE	06/19/24 14:00

Client Sample ID: FIELD DUP — **Lab Sample ID: 410-175929-5**
Date Collected: 06/13/24 00:00 — **Matrix: Solid**
Date Received: 06/14/24 09:40 — **Percent Solids: 91.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A			520390	UK3O	ELLE	06/23/24 00:09
Total/NA	Analysis	8260D		50	521638	S8BP	ELLE	06/26/24 17:54
Total/NA	Prep	3546			521360	MD4W	ELLE	06/25/24 17:22
Total/NA	Analysis	8270E		1	521564	N5QU	ELLE	06/26/24 23:40
Total/NA	Prep	3546			521357	MD4W	ELLE	06/25/24 17:20
Total/NA	Analysis	8270E SIM		1	522041	N5QU	ELLE	06/27/24 08:06
Total/NA	Prep	3546	DL		521357	MD4W	ELLE	06/25/24 17:20
Total/NA	Analysis	8270E SIM	DL	5	522447	UJM0	ELLE	06/28/24 05:26
Total/NA	Prep	3546			523042	U9KU	ELLE	06/29/24 10:50
Total/NA	Analysis	8082A		1	523384	M6UH	ELLE	07/01/24 10:53
Total/NA	Prep	3050B			520882	UAMX	ELLE	06/24/24 21:00
Total/NA	Analysis	6020B		2	521349	S4PD	ELLE	06/25/24 13:57
Total/NA	Prep	3050B			520882	UAMX	ELLE	06/24/24 21:00
Total/NA	Analysis	6020B		10	521349	S4PD	ELLE	06/25/24 13:59
Total/NA	Prep	7471B			518751	HNC4	ELLE	06/19/24 10:45
Total/NA	Analysis	7471B		1	519676	UEFS	ELLE	06/20/24 11:12

Lab Chronicle

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Client Sample ID: Trip Blank 1

Date Collected: 06/13/24 00:00
Date Received: 06/14/24 09:40

Lab Sample ID: 410-175929-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	521761	DVW2	ELLE	06/26/24 17:00

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Draper Aden, LLC, a TRC Company
Job ID: 410-175929-1
Project/Site: 805 Court Street

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Virginia	NELAP	460182	06-14-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Draper Aden, LLC, a TRC Company
Project/Site: 805 Court Street

Job ID: 410-175929-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	ELLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7471B	Mercury (CVAA)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
3050B	Preparation, Metals	SW846	ELLE
3546	Microwave Extraction	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
5035A	Closed System Purge & Trap	SW846	ELLE
7471B	Preparation, Mercury	SW846	ELLE

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Draper Aden, LLC, a TRC Company
Job ID: 410-175929-1
Project/Site: 805 Court Street

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-175929-1	SB-1-1	Solid	06/13/24 09:57	06/14/24 09:40
410-175929-2	SB-1-2	Solid	06/13/24 10:30	06/14/24 09:40
410-175929-3	SB-2-1	Solid	06/13/24 10:50	06/14/24 09:40
410-175929-4	SB-2-2	Solid	06/13/24 11:30	06/14/24 09:40
410-175929-5	FIELD DUP	Solid	06/13/24 00:00	06/14/24 09:40
410-175929-6	Trip Blank 1	Water	06/13/24 00:00	06/14/24 09:40

410-175929-01 Chain of Custody

CHAIN OF CUSTODY RECORD

Laboratory: Eurofins Lancaster Laboratories Environmental, LLC, 2425 New Holland Pike, Lancaster, PA, 17605-2425/Barb Weyandt, Manager

Client: City of Lynchburg Attn: Marjette Upshur Addres Lynchburg, VA 0 Phone: 0 Fax: 0	Consultant: TRC Engineers, Inc. Attn: Phillip Pressley Address: 114 Edinburgh Drive Cary, NC 27511 Phone: 919-827-8155 Fax: 0	805 Court Street Lynchburg, VA 6/13/2024 519073	Project Specific (PS) or Batch (B) QC: Sample Collection for Project Complete? YES Carrier: Tracking Number:		

Box 1: Matrix
SW Surface Water; GW Groundwater; L Leachate; S Soil; T Trip Blank; E Equipment Bla; P Product; O Other

Box 2: Preservative
A HCl; B HNO_3; C H_2SO_4; D $Na_2S_2O_3$; E NaOH; F ZnAc; G Other (Specify); H None

V VOA; CG Clear Glass

Box 4: Sample Type
G Grab; C Composite

Invoice
Copy to Consultant: YES
Bill: CLIENT OTHER
Preserved and shipped on ice: YES

Box 4 - Sample Type					G					G					
Box 3 - Filtered/Unfiltered															
Required pH of Sample															
Box 2 - Preservative					G	DI H2O	H	H	H	H					
Box 5 - Sample Container Type					1-40ml V	2-40ml V	1-2 oz	1-4 oz AG	2 - 8oz AG	2-8 oz AG					
Sample ID	Date: 2024	Time	Box 1: Matrix	Number of Bottles	VOAs 8260D w Methanol	VOAs 8260D ~~Water~~	Dry Weight	Mercury 7471B	6020B, 8270E, 8270E_SIM	PCBs 8082A	8260D TAL VOAs				
SB-1-1	6/13	9:57	S	9	X	X	X	X	X	X					
SB-1-2	6/13	11:30	S	9	X	X	X	X	X	X					
SB-2-1	6/13	10:50	S	9	X	X	X	X	X	X					
SB-2-2	6/13	11:30	S	9	X	X	X	X	X	X					
FIELD DUP	6/13		S	9	X	X	X	X	X	X					
MS	6/13	10:50	S	9	X	X	X	X	X	X					
MSD	6/13	10:50	S	9	X	X	X	X	X	X					
Trip Blank 1	6/13		T	2							X				

GENERAL NOTES:
1. Level 1 deliverable with EDD (electronic report only)
2. Report DL/QL and estimated results.
3. VELAP Accreditation required.
4. See attached target analyte lists.
5. Report results in mg/kg.
6. Report on a dry weight basis. Sodium Bisulfate
7. 8260D (1) VOA with methanol and (2) VOAs with DI ~~Water~~
8. Report to lowest limits where possible for inorganics (Method 6020B).
9. EPA/Brownfield Project
10. 10 Day TAT

	SOIL SAMPLING INTERVAL =
SB-1-1	0-2'
SB-1-2	0-2'
SB-2-1	0-2'
SB-2-2	0-2'
FIELD DUP	0-2'
MS	0-2'
MSD	0-2'
Trip Blank 1	

Clients Special Instructions:

Received by lab in Good Condition ___ Yes ___ No Custody Seal Intact ___ Yes ___ No Temperature upon arrival ___ Received on Ice ___ Yes ___ No Law 3.2- COR 3.2 R: 4.0 C 3.9

Describe problems, if any:

Sampler Name (Print): Fran Sadler	Date: 6/13/24	#1 Relinquished by (Signature):	Date: 6/13/24	#2 Relinquished by (Signature):	Date:	Sample Storage Time Requested
Sampler Signature:	Time: 8:00	Company Name: TRC	Time: 15:00	Company Name:	Time:	
Sampler Name (Print):	Date:	#1 Received by (Signature):	Date:	#2 Received by (Signature): Megan Bellard	Date: 6-14-24	30 DYS ORG/6 MTHS INORG
Sampler Signature:	Time:	Company Name:	Time:	Company Name: ELLE-T	Time: 0940	

SFAM01.1 Target Analyte List

TRACE VOLATILES AND LOW/MEDIUM VOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs					
		Trace Water (µg/L)	Trace Water By SIM (µg/L)	Low Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
Dichlorodifluoromethane	75-71-8	0.50	--	5.0	5.0	250	--
Chloromethane	74-87-3	0.50	--	5.0	5.0	250	--
Vinyl chloride	75-01-4	0.50	0.050	5.0	5.0	250	50
Bromomethane	74-83-9	0.50	--	5.0	5.0	250	--
Chloroethane	75-00-3	0.50	--	5.0	5.0	250	--
Trichlorofluoromethane	75-69-4	0.50	--	5.0	5.0	250	--
1,1-Dichloroethene	75-35-4	0.50	--	5.0	5.0	250	50
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.50	--	5.0	5.0	250	--
Acetone	67-64-1	5.0	--	10	10	500	--
Carbon disulfide	75-15-0	0.50	--	5.0	5.0	250	--
Methyl acetate	79-20-9	0.50	--	5.0	5.0	250	--
Methylene chloride	75-09-2	0.50	--	5.0	5.0	250	--
trans-1,2-Dichloroethene	156-60-5	0.50	--	5.0	5.0	250	--
Methyl tert-butyl ether	1634-04-4	0.50	--	5.0	5.0	250	--
1,1-Dichloroethane	75-34-3	0.50	--	5.0	5.0	250	--
cis-1,2-Dichloroethene	156-59-2	0.50	--	5.0	5.0	250	--
2-Butanone	78-93-3	5.0	--	10	10	500	100
Bromochloromethane	74-97-5	0.50	--	5.0	5.0	250	--
Chloroform	67-66-3	0.50	--	5.0	5.0	250	50
1,1,1-Trichloroethane	71-55-6	0.50	--	5.0	5.0	250	--
Cyclohexane	110-82-7	0.50	--	5.0	5.0	250	--
Carbon tetrachloride	56-23-5	0.50	--	5.0	5.0	250	50
Benzene	71-43-2	0.50	--	5.0	5.0	250	50
1,2-Dichloroethane	107-06-2	0.50	--	5.0	5.0	250	50
Trichloroethene	79-01-6	0.50	0.050	5.0	5.0	250	50
Methylcyclohexane	108-87-2	0.50	--	5.0	5.0	250	--
1,2-Dichloropropane	78-87-5	0.50	--	5.0	5.0	250	--

TRACE VOLATILES AND LOW/MEDIUM VOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS (CON'T)

Analyte Name	CAS Number	CRQLs					
		Trace Water (µg/L)	Trace Water By SIM (µg/L)	Low Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
Bromodichloromethane	75-27-4	0.50	--	5.0	5.0	250	--
cis-1,3-Dichloropropene	10061-01-5	0.50	--	5.0	5.0	250	--
4-Methyl-2-pentanone	108-10-1	5.0	--	10	10	500	--
Toluene	108-88-3	0.50	--	5.0	5.0	250	--
trans-1,3-Dichloropropene	10061-02-6	0.50	--	5.0	5.0	250	--
1,1,2-Trichloroethane	79-00-5	0.50	--	5.0	5.0	250	--
Tetrachloroethene	127-18-4	0.50	--	5.0	5.0	250	50
2-Hexanone	591-78-6	5.0	--	10	10	500	--
Dibromochloromethane	124-48-1	0.50	--	5.0	5.0	250	--
1,2-Dibromoethane	106-93-4	0.50	0.050	5.0	5.0	250	--
Chlorobenzene	108-90-7	0.50	--	5.0	5.0	250	50
Ethylbenzene	100-41-4	0.50	--	5.0	5.0	250	--
o-Xylene	95-47-6	0.50	--	5.0	5.0	250	--
m,p-Xylene	179601-23-1	0.50	--	5.0	5.0	250	--
Styrene	100-42-5	0.50	--	5.0	5.0	250	--
Bromoform	75-25-2	0.50	--	5.0	5.0	250	--
Isopropylbenzene	98-82-8	0.50	--	5.0	5.0	250	--
1,2,3-Trichloropropane	96-18-4	0.50	0.050	5.0	5.0	250	--
1,1,2,2-Tetrachloroethane	79-34-5	0.50	--	5.0	5.0	250	--
1,3-Dichlorobenzene	541-73-1	0.50	--	5.0	5.0	250	--
1,4-Dichlorobenzene	106-46-7	0.50	--	5.0	5.0	250	50
1,2-Dichlorobenzene	95-50-1	0.50	--	5.0	5.0	250	--
1,2-Dibromo-3-chloropropane	96-12-8	0.50	0.050	5.0	5.0	250	--
1,2,4-Trimethylbenzene	95-63-6	0.50	--	5.0	5.0	250	--
1,3,5-Trimethylbenzene	108-67-8	0.50	--	5.0	5.0	250	--
1,2,4-Trichlorobenzene	120-82-1	0.50	--	5.0	5.0	250	--
1,2,3-Trichlorobenzene	87-61-6	0.50	--	5.0	5.0	250	--

SEMIVOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs					
		Low Water By SIM (µg/L)	Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste By SIM (µg/kg)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
1,4-Dioxane	123-91-1	0.20	2.0	6.7	67	2000	--
Pyridine	110-86-1	--	--	--	--	--	100
Benzaldehyde	100-52-7	--	10	--	330	10000	--
Phenol	108-95-2	--	10	--	330	10000	--
Bis(2-chloroethyl) ether	111-44-4	--	10	--	330	10000	--
2-Chlorophenol	95-57-8	--	5.0	--	170	5000	--
2-Methylphenol	95-48-7	--	10	--	330	10000	100
3-Methylphenol	108-39-4	--	--	--	--	--	100
2,2'-Oxybis(1-chloropropane)	108-60-1	--	10	--	330	10000	--
Acetophenone	98-86-2	--	10	--	330	10000	--
4-Methylphenol	106-44-5	--	10	--	330	10000	100
N-Nitroso-di-n propylamine	621-64-7	--	5.0	--	170	5000	--
Hexachloroethane	67-72-1	--	5.0	--	170	5000	50
Nitrobenzene	98-95-3	--	5.0	--	170	5000	50
Isophorone	78-59-1	--	5.0	--	170	5000	--
2-Nitrophenol	88-75-5	--	5.0	--	170	5000	--
2,4-Dimethylphenol	105-67-9	--	5.0	--	170	5000	--
Bis(2-chloroethoxy)methane	111-91-1	--	5.0	--	170	5000	--
2,4-Dichlorophenol	120-83-2	--	5.0	--	170	5000	--
Naphthalene	91-20-3	0.10	5.0	3.3	170	5000	--
4-Chloroaniline	106-47-8	--	10	--	330	10000	--
Hexachlorobutadiene	87-68-3	--	5.0	--	170	5000	50
Caprolactam	105-60-2	--	10	--	330	10000	--
4-Chloro-3-methylphenol	59-50-7	--	5.0	--	170	5000	--
1-Methylnaphthalene	90-12-0	0.10	5.0	3.3	170	5000	--
2-Methylnaphthalene	91-57-6	0.10	5.0	3.3	170	5000	--
Hexachlorocyclo-pentadiene	77-47-4	--	10	--	330	10000	--

SEMIVOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS (CON'T)

Analyte Name	CAS Number	CRQLs					
		Low Water By SIM (µg/L)	Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste By SIM (µg/kg)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
2,4,6-Trichlorophenol	88-06-2	--	5.0	--	170	5000	50
2,4,5-Trichlorophenol	95-95-4	--	5.0	--	170	5000	50
1,1'-Biphenyl	92-52-4	--	5.0	--	170	5000	--
2-Chloronaphthalene	91-58-7	--	5.0	--	170	5000	--
2-Nitroaniline	88-74-4	--	5.0	--	170	5000	--
Dimethylphthalate	131-11-3	--	5.0	--	170	5000	--
2,6-Dinitrotoluene	606-20-2	--	5.0	--	170	5000	--
Acenaphthylene	208-96-8	0.10	5.0	3.3	170	5000	--
3-Nitroaniline	99-09-2	--	10	--	330	10000	--
Acenaphthene	83-32-9	0.10	5.0	3.3	170	5000	--
2,4-Dinitrophenol	51-28-5	--	10	--	330	10000	--
4-Nitrophenol	100-02-7	--	10	--	330	10000	--
Dibenzofuran	132-64-9	--	5.0	--	170	5000	--
2,4-Dinitrotoluene	121-14-2	--	5.0	--	170	5000	50
Diethylphthalate	84-66-2	--	5.0	--	170	5000	--
Fluorene	86-73-7	0.10	5.0	3.3	170	5000	--
4-Chlorophenyl-phenyl ether	7005-72-3	--	5.0	--	170	5000	--
4-Nitroaniline	100-01-6	--	10	--	330	10000	--
4,6-Dinitro-2-methylphenol	534-52-1	--	10	--	330	10000	--
N-Nitrosodiphenylamine	86-30-6	--	5.0	--	170	5000	--
1,2,4,5-Tetrachlorobenzene	95-94-3	--	5.0	--	170	5000	--
4-Bromophenyl-phenylether	101-55-3	--	5.0	--	170	5000	--
Hexachlorobenzene	118-74-1	--	5.0	--	170	5000	50
Atrazine	1912-24-9	--	10	--	330	10000	--
Pentachlorophenol	87-86-5	0.20	10	6.7	330	10000	100
Phenanthrene	85-01-8	0.10	5.0	3.3	170	5000	--
Anthracene	120-12-7	0.10	5.0	3.3	170	5000	--
Carbazole	86-74-8	--	10	--	330	10000	--
Di-n-butylphthalate	84-74-2	--	5.0	--	170	5000	--
Fluoranthene	206-44-0	0.10	5.0	3.3	170	5000	--
Pyrene	129-00-0	0.10	5.0	3.3	170	5000	--

SEMIVOLATILES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS (CON'T)

Analyte Name	CAS Number	CRQLs					
		Low Water By SIM (µg/L)	Aqueous/ Water and SPLP Leachate (µg/L)	Low Soil/ Sediment/ Waste By SIM (µg/kg)	Low Soil/ Sediment/ Waste (µg/kg)	Medium Soil/ Sediment/ Waste (µg/kg)	TCLP Leachate (µg/L)
Butylbenzylphthalate	85-68-7	--	5.0	--	170	5000	--
3,3'-Dichlorobenzidine	91-94-1	--	10	--	330	10000	--
Benzo(a)anthracene	56-55-3	0.10	5.0	3.3	170	5000	--
Chrysene	218-01-9	0.10	5.0	3.3	170	5000	--
Bis(2-ethylhexyl)phthalate	117-81-7	--	5.0	--	170	5000	--
Di-n-octylphthalate	117-84-0	--	10	--	330	10000	--
Benzo(b)fluoranthene	205-99-2	0.10	5.0	3.3	170	5000	--
Benzo(k)fluoranthene	207-08-9	0.10	5.0	3.3	170	5000	--
Benzo(a)pyrene	50-32-8	0.10	5.0	3.3	170	5000	--
Indeno(1,2,3-cd)pyrene	193-39-5	0.10	5.0	3.3	170	5000	--
Dibenzo(a,h)anthracene	53-70-3	0.10	5.0	3.3	170	5000	--
Benzo(g,h,i)perylene	191-24-2	0.10	5.0	3.3	170	5000	--
2,3,4,6-Tetrachlorophenol	58-90-2	--	5.0	--	170	5000	--

PESTICIDES TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs				
		Aqueous/ Water	Soil/	Wipe (µg)	Wipe (µg/cm²)	TCLP Leachate (µg/L)
alpha-BHC				0.050	0.00050	--
beta-BHC				0.050	0.00050	--
delta-BHC				0.050	0.00050	--
gamma-BHC (Lindane)				0.050	0.00050	0.50
Heptachlor				0.050	0.00050	0.50
Aldrin				0.050	0.00050	--
Heptachlor epoxide				0.050	0.00050	0.50
Endosulfan I				0.050	0.00050	--
Dieldrin				0.10	0.0010	--
4,4'-DDE				0.10	0.0010	--
Endrin	72-20-8	0.10	3.3	0.10	0.0010	1.0
Endosulfan II	33213-65-9	0.10	3.3	0.10	0.0010	--
4,4'-DDD	72-54-8	0.10	3.3	0.10	0.0010	--
Endosulfan sulfate	1031-07-8	0.10	3.3	0.10	0.0010	--
4,4'-DDT	50-29-3	0.10	3.3	0.10	0.0010	--
Methoxychlor	72-43-5	0.50	17	0.50	0.0050	5.0
Endrin ketone	53494-70-5	0.10	3.3	0.10	0.0010	--
Endrin aldehyde	7421-93-4	0.10	3.3	0.10	0.0010	--
cis-Chlordane	5103-71-9	0.050	1.7	0.050	0.00050	0.50
trans-Chlordane	5103-74-2	0.050	1.7	0.050	0.00050	0.50
Toxaphene	8001-35-2	5.0	170	5.0	0.050	50

PESTICIDE ANALYSIS IS NOT INCLUDED IN THIS SAMPLING PLAN

AROCLORS TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs			
		Aqueous/ Water (µg/L)	Soil/ Sediment/ Waste (µg/kg)	Wipe (µg)	Wipe (µg/cm²)
Aroclor 1016	12674-11-2	1.0	33	1.0	0.010
Aroclor 1221	11104-28-2	1.0	33	1.0	0.010
Aroclor 1232	11141-16-5	1.0	33	1.0	0.010
Aroclor 1242	53469-21-9	1.0	33	1.0	0.010
Aroclor 1248	12672-29-6	1.0	33	1.0	0.010
Aroclor 1254	11097-69-1	1.0	33	1.0	0.010
Aroclor 1260	11096-82-5	1.0	33	1.0	0.010
Aroclor 1262	37324-23-5	1.0	33	1.0	0.010
Aroclor 1268	11100-14-4	1.0	33	1.0	0.010

ICP-AES AND ICP-MS TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs					
		ICP-AES Aqueous/ Water and SPLP Leachate (µg/L)	ICP-AES Soil/ Sediment/ Waste (mg/kg)	ICP-AES Wipe (µg)	ICP-AES TCLP (µg/L)	ICP-MS Aqueous/ Water (µg/L)	ICP-MS Soil/ Sediment/ Waste (mg/kg)
Aluminum	7429-90-5	200	20	20	--	20	--
Antimony	7440-36-0	60	6.0	6.0	--	2.0	1.0
Arsenic	7440-38-2	10	1.0	1.0	10	1.0	0.50
Barium	7440-39-3	200	20	20	200	10	5.0
Beryllium	7440-41-7	5.0	0.50	0.50	--	1.0	0.50
Cadmium	7440-43-9	5.0	0.50	0.50	5.0	1.0	0.50
Calcium	7440-70-2	5000	500	500	--	500	--
Chromium	7440-47-3	10	1.0	1.0	10	2.0	1.0
Cobalt	7440-48-4	50	5.0	5.0	--	1.0	0.50
Copper	7440-50-8	25	2.5	2.5	--	2.0	1.0
Iron	7439-89-6	100	10	10	--	200	--
Lead	7439-92-1	10	1.0	1.0	10	1.0	0.50
Magnesium	7439-95-4	5000	500	500	--	500	--
Manganese	7439-96-5	15	1.5	1.5	--	1.0	0.50
Nickel	7440-02-0	40	4.0	4.0	--	1.0	0.50
Potassium	7440-09-7	5000	500	500	--	500	--
Selenium	7782-49-2	35	3.5	3.5	35	5.0	2.5
Silver	7440-22-4	10	1.0	1.0	10	1.0	0.50
Sodium	7440-23-5	5000	500	500	--	500	--
Thallium	7440-28-0	25	2.5	2.5	--	1.0	0.50
Vanadium	7440-62-2	50	5.0	5.0	--	5.0	2.5
Zinc	7440-66-6	60	6.0	6.0	--	5.0	2.5
Hardness (total)	Hardness	33	--	--	--	--	--

MERCURY BY COLD VAPOR ATOMIC ABSORPTION TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs	
		Aqueous/Water and TCLP/SPLP Leachate (µg/L)	Soil/ Sediment/ Waste (mg/kg)
Mercury	7439-97-6	0.20	0.10

CYANIDE BY SPECTROPHOTOMETRY TARGET ANALYTE LIST AND CONTRACT REQUIRED QUANTITATION LIMITS

Analyte Name	CAS Number	CRQLs	
		Aqueous/Water and SPLP Leachate (µg/L)	Soil/ Sediment/ Waste (mg/kg)
Cyanide	57-12-5	10	0.50

Appendix C:

Target Analytes

Login Sample Receipt Checklist

Client: Draper Aden, LLC, a TRC Company

Job Number: 410-175929-1

Login Number: 175929

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Ballard, Megan

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

ATTACHMENT 5

Chain-of-Custody Records and Laboratory VELAP Certification

410-175929-01 Chain of Custody

CHAIN OF CUSTODY RECORD

Laboratory: Eurofins Lancaster Laboratories Environmental, LLC, 2425 New Holland Pike, Lancaster, PA, 17605-2425/Barb Weyandt, Manager

Client: City of Lynchburg Attn: Marjette Upshur Addres Lynchburg, VA 0 Phone: 0 Fax: 0	Consultant: TRC Engineers, Inc. Attn: Phillip Pressley Address: 114 Edinburgh Drive Cary, NC 27511 Phone: 919-827-8155 Fax: 0	805 Court Street Lynchburg, VA 6/13/2024 519073	Project Specific (PS) or Batch (B) QC: Sample Collection for Project Complete? YES Carrier: Tracking Number:		

Box 1: Matrix
SW Surface Water; GW Groundwater; L Leachate; S Soil; T Trip Blank; E Equipment Bla; P Product; O Other

Box 2: Preservative
A HCl; B HNO_3; C H_2SO_4; D $Na_2S_2O_3$; E NaOH; F ZnAc; G Other (Specify); H None

V VOA; CG Clear Glass

Box 4: Sample Type
G Grab; C Composite

Invoice
Copy to Consultant: YES
Bill: CLIENT OTHER
Preserved and shipped on ice: YES

Box 4 - Sample Type					G					G					
Box 3 - Filtered/Unfiltered															
Required pH of Sample															
Box 2 - Preservative					G	DI H2O	H	H	H	H					
Box 5 - Sample Container Type					1-40ml V	2-40ml V	1-2 oz	1-4 oz AG	2 - 8oz AG	2-8 oz AG					
Sample ID	Date: 2024	Time	Box 1: Matrix	Number of Bottles	VOAs 8260D w Methanol	VOAs 8260D ~~Water~~	Dry Weight	Mercury 7471B	6020B, 8270E, 8270E_SIM	PCBs 8082A	8260D TAL VOAs				
SB-1-1	6/13	9:57	S	9	X	X	X	X	X	X					
SB-1-2	6/13	11:30	S	9	X	X	X	X	X	X					
SB-2-1	6/13	10:50	S	9	X	X	X	X	X	X					
SB-2-2	6/13	11:30	S	9	X	X	X	X	X	X					
FIELD DUP	6/13		S	9	X	X	X	X	X	X					
MS	6/13	10:50	S	9	X	X	X	X	X	X					
MSD	6/13	10:50	S	9	X	X	X	X	X	X					
Trip Blank 1	6/13		T	2							X				

GENERAL NOTES:
1. Level 1 deliverable with EDD (electronic report only)
2. Report DL/QL and estimated results.
3. VELAP Accreditation required.
4. See attached target analyte lists.
5. Report results in mg/kg.
6. Report on a dry weight basis.
7. 8260D (1) VOA with methanol and (2) VOAs with ~~DI Water~~ Sodium Bisulfate
8. Report to lowest limits where possible for inorganics (Method 6020B).
9. EPA/Brownfield Project
10. ~~10~~ Day TAT

	SOIL SAMPLING INTERVAL =
SB-1-1	0-2'
SB-1-2	0-2'
SB-2-1	0-2'
SB-2-2	0-2'
FIELD DUP	0-2'
MS	0-2'
MSD	0-2'
Trip Blank 1	

Clients Special Instructions:

Received by lab in Good Condition ___ Yes ___ No Custody Seal Intact ___ Yes ___ No Temperature upon arrival ___ Received on Ice ___ Yes ___ No Law 3.2- COR 3.2 R: 4.0 C 3.9

Describe problems, if any:

Sampler Name (Print): Fran Sadler	Date: 6/13/24	#1 Relinquished by (Signature):	Date: 6/13/24	#2 Relinquished by (Signature):	Date:	Sample Storage Time Requested
Sampler Signature:	Time: 8:00	Company Name: TRC	Time: 15:00	Company Name:	Time:	
Sampler Name (Print):	Date:	#1 Received by (Signature):	Date:	#2 Received by (Signature): Megan Bellard	Date: 6-14-24	30 DYS ORG/6 MTHS INORG
Sampler Signature:	Time:	Company Name:	Time:	Company Name: ELLE-T	Time: 0540	

ENTHALPY ANALYTICAL

Equipment Must be Returned By: 7/7/2024

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

AIR ANALYSIS
CHAIN OF CUSTODY

COMPANY NAME: TRC Engineers Inc. Cary, NC	INVOICE TO: same	PROJECT NAME/Quote #: West Building Phase II
CONTACT: Phillip Pressley	INVOICE CONTACT:	SITE NAME: 805 Court St
ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 519073
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:** Is sample from a chlorinated supply? YES NO	PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	**Turn Around Time:** Circle 10 **5 Days** or __ Day(s)

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg/psia)	LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information (Barometric Pres. (in Hg): 30.5): 2024 Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information (Barometric Pres. (in Hg)): 2024 Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15		
1)	IAQ-1	16061 ~~16524~~	11.4	49502	6L	BC240520	30		6/13	8:27	29 1/2	70°	6/13	16:23	3		AA	X		
2)	IAQ-2	16688	11.1	49506	6L	BC240520	30		6/13	8:25	30	70°	6/13	16:22	3		AA	X		
3)	IAQ-3	20116	11	49516	6L	BC240510	30		6/13	8:51	30	70°	6/13	16:26	2		AA	X		
4)																				

3/0 OT:20.5 CF:0.5 FT:21.0 no ice no seal

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
P. P		[signature]	04-14-24 09:36
[signature]	04-17-24	Christian Iglesias	6/17/24 09:25
Christian Iglesias	6/17/24 12:10	[signature]	6/17/24 1221

QC Data Package: Level I ☐ Level II ☐ Level III ☐ Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

v130325002

ENTHALPY ANALYTICAL

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

Equipment Must be Returned By: 7/7/2024

AIR ANALYSIS
CHAIN OF CUSTODY

COMPANY NAME: TRC Engineers Inc. Cary, NC	INVOICE TO: same	PROJECT NAME/Quote #: West Building Phase II
CONTACT: Phillip Pressley	INVOICE CONTACT:	SITE NAME: 805 Court Street
ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 5190773
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO / PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	**Turn Around Time:** Circle: (10) 5 Days or __ Day(s

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Canister Information: Size (L)	Canister Information: Cleaning Batch ID	Canister Information: LAB Outgoing Canister Vacuum (in Hg/psia)	Canister Information: LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information (Barometric Pres. (in Hg): 30.5): Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information (Barometric Pres. (in Hg):): Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15		
1)	IAQ-4	16522 [redacted]	11.3	31333	6L	BC240528	30		6/13	30	8:57	70°	6/13	16:5[illegible]	5		AA	X		
2)	IAQ-5	10115	11.2	47526	6L	BC240528	30		6/13	28½	9:07	70°	6/13	15:41	4	87	AA	X		
3)	IAQ-6	10522	11.4	47532	6L	BC240509	30		6/13	29	9:04	70°	6/13	16:45	4		AA	X		
4)	IAQ-7	10523	11.4	47667	6L	BC240528	30		6/13	30	9:00	70°	6/13	~~14~~ PAP 16:48	4.5		AA	X		

316 OT: 70.5 CF: 0.5 FT: 71.0 no ice no seal

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
P.P		Alyssa Miller	06.14.24 0930
Alyssa Miller	06.17.24	Christian Iglesias	6/17/24 9:25
Christian Iglesias	6/17/24 12:10	[illegible] A	6/17/24 1221

QC Data Package: Level I ☐ Level II ☐ Level III ☐ Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

v130325002

ENTHALPY ANALYTICAL

Equipment Must be Returned By: 7/7/2024

1941 REYMET ROAD
RICHMOND, VIRGINIA 23237
(804) 358-8295 PHONE
(804)358-8297 FAX

AIR ANALYSIS
CHAIN OF CUSTODY

COMPANY NAME: TRC Engineers Inc. Cary, NC	INVOICE TO: same	PROJECT NAME/Quote #: West Building Phase II
CONTACT: Phillip Pressley	INVOICE CONTACT:	SITE NAME: 805 Court Street
ADDRESS: 114 Edinburgh S Dr #200 Cary, NC	INVOICE ADDRESS:	PROJECT NUMBER: 519073
PHONE #: 919-827-0864	INVOICE PHONE #:	P.O. #:
FAX #:	EMAIL:	Pretreatment Program:
Is sample for compliance reporting? YES NO	**Regulatory State:**	Is sample from a chlorinated supply? YES NO — PWS I.D. #:
SAMPLER NAME (PRINT):	SAMPLER SIGNATURE:	**Turn Around Time:** Circle: 10 **5 Days** or __ Day(s)

Matrix Codes: AA=Indoor/Ambient Air SG=Soil Gas LV=Landfill/Vent Gas OT=Other AA

063-24F-0001

	CLIENT SAMPLE I.D.	Regulator Info: Flow Controller ID	Regulator Info: Cal Flow (mL/min)	Canister Information: Canister ID	Size (L)	Cleaning Batch ID	LAB Outgoing Canister Vacuum (in Hg/psia)	LAB Receiving Canister Vacuum (in Hg)	Sampling Start Information (Barometric Pres. (in Hg): 30.5): 2024 Start Date	Start Time (24hr clock)	Initial Canister Vacuum (in Hg)	Starting Sample Temp °F	Sampling Stop Information (Barometric Pres. (in Hg):): 2024 Stop Date	Stop Time (24hr clock)	Final Canister Vacuum (in Hg)	Ending Sample Temp °F	Matrix (See Codes)	ANALYSIS: VOC TO-15		
1)	IAQ-DUP	10531	11.1	48087	6L	BC240528	30		6/13	8:57	29½	70°	6/13	16:51	4		AA	X		
2)	IAQ-AMB	13292	11.4	48089	6L	BC240509	30		6/13	10:21 ~~8:54~~	30	70°	6/13	16:56	4		AA	X		
3)	IAQ-MS	14095	11.3	48092	6L	BC240528	30		6/13	8:50	29	70°	6/13	16:26	3		AA	X		
4)	IAQ-MSD	16671 ~~14407~~	11	49334	6L	BC240520	30		6/13	8:49	28½	70°	6/13	1530	4	87	AA	X		

310 OT:20.5 CF:0.5 FT:21.0 no ice no seal

RELINQUISHED:	DATE / TIME	RECEIVED:	DATE / TIME
P. P[illegible]		Alyssa M Miller	06.14.24 0930
Alyssa M Miller	06.19.24	Christian Iglesias	6/17/24 09:05
Christian Iglesias	6/17/24 12:10	[illegible]	6/17/24 1221

QC Data Package
- Level I ☐
- Level II ☐
- Level III ☐
- Level IV ☐

LAB USE ONLY

Draper Aden Assoc 24F0969
West Building Phase II
Recd: 06/17/2024 Due: 07/01/2024

v130325002

Accreditation/Certification Summary

Client: Draper Aden, LLC, a TRC Company
Job ID: 410-175929-1
Project/Site: 805 Court Street

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Virginia	NELAP	460182	06-14-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

ENTHALPY ANALYTICAL

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Certified Analytes included in this Report

Analyte	Certifications
EPA TO-15 in Air	
1,1,1-Trichloroethane	VELAP
1,1,1,2-Tetrachloroethane	VELAP
1,1,2,2-Tetrachloroethane	VELAP
1,1,2-Trichloro-1,2,2-trifluoroethane	VELAP
1,1,2-Trichloroethane	VELAP
1,1-Dichloroethane	VELAP
1,1-Dichloroethylene	VELAP
1,2,4-Trimethylbenzene	VELAP
1,2-Dibromoethane (EDB)	VELAP
1,2-Dichlorobenzene	VELAP
1,2-Dichloroethane	VELAP
1,2-Dichloropropane	VELAP
1,2-Dichlorotetrafluoroethane	VELAP
1,3,5-Trimethylbenzene	VELAP
1,3-Butadiene	VELAP
1,3-Dichlorobenzene	VELAP
1,4-Dichlorobenzene	VELAP
1,4-Dioxane	VELAP
2-Butanone (MEK)	VELAP
2-Chlorotoluene	VELAP
2-Hexanone (MBK)	VELAP
4-Methyl-2-pentanone (MIBK)	VELAP
Allyl chloride	VELAP
Benzene	VELAP
Benzyl Chloride	VELAP
Bromoform	VELAP
Bromomethane	VELAP
Carbon Disulfide	VELAP
Carbon Tetrachloride	VELAP
Chlorobenzene	VELAP
Chloroethane	VELAP
Chloroform	VELAP
Chloromethane	VELAP
cis-1,2-Dichloroethylene	VELAP
cis-1,3-Dichloropropene	VELAP
Cyclohexane	VELAP
Dibromochloromethane	VELAP
Dichlorodifluoromethane	VELAP
Ethyl acetate	VELAP
Ethylbenzene	VELAP
Heptane	VELAP
Hexachlorobutadiene	VELAP
Hexane	VELAP
Isopropylbenzene	VELAP
m+p-Xylenes	VELAP
Methyl methacrylate	VELAP
Methylene chloride	VELAP
Methyl-t-butyl ether (MTBE)	VELAP
Naphthalene	VELAP
o-Xylene	VELAP
Propylene	VELAP
Styrene	VELAP
TBA	VELAP
Tetrachloroethylene (PCE)	VELAP
Tetrahydrofuran	VELAP
Toluene	VELAP
trans-1,2-Dichloroethylene	VELAP
trans-1,3-Dichloropropene	VELAP
Trichloroethylene	VELAP
Trichlorofluoromethane	VELAP
Vinyl acetate	VELAP
Vinyl bromide	VELAP
Vinyl chloride	VELAP
Xylenes, Total	VELAP

1941 Reymet Road ● Richmond, Virginia 23237 ● Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24F0969

Client Name:	TRC Engineers Inc - Cary, NC 114 Edinburgh S Dr #200 Cary, NC 27511	Date Received: Date Issued:	June 17, 2024 12:21 July 1, 2024 15:01
Submitted To:	Phillip Pressley	Project Number:	519073
Client Site I.D.:	805 Court St	Purchase Order:	

Code	Description	Laboratory ID	Expires
MdDOE	Maryland DE Drinking Water	341	12/31/2024
NCDEQ	North Carolina DEQ	495	12/31/2024
NCDOH	North Carolina Department of Health	51714	07/31/2024
NYDOH	New York DOH Drinking Water	12069	04/01/2025
PADEP	NELAP-Pennsylvania Certificate #009	68-03503	10/31/2024
TXCEQ	Texas Comm on Environmental Quality #T10470	T104704576	05/31/2025
VELAP	NELAP-Virginia Certificate #12969	460021	06/14/2025
WVDEP	West Virginia DEP	350	11/30/2024

Qualifiers and Definitions

C	Continuing calibration verification response for this analyte is outside specifications.
J	The reported result is an estimated value.
L	LCS recovery is outside of established acceptance limits
RPD	Relative Percent Difference
Qual	Qualifers
-RE	Denotes sample was re-analyzed
PF	Preparation Factor
MDL	Method Detection Limit
LOQ	Limit of Quantitation
ppbv	parts per billion by volume
TIC	Tentatively Identified Compounds are compounds that are identified by comparing the analyte mass spectral pattern with the NIST spectral library. A TIC spectral match is reported when the pattern is at least 75% consistent with the published pattern. Compound concentrations are estimated and are calculated using an internal standard response factor of 1.

All EPA method 3C results are reported as normalized values when the sum total of all evaluated constituents is outside ± 10% of the absolute.

REQUEST FOR PROPOSALS TITLE PAGE
Include This Page as the First Page in Your Proposal Response

Proposal Title: **Purchase and Development of 805 Court Street**

This is the City of Lynchburg's Request for Proposals (RFP) No. **2026-048** issued **November 21, 2025**. Direct inquires for information should be directed to Stephanie Suter: stephanie.suter@lynchburgva.gov or 434-455-3963. All requests for clarification of or questions regarding this RFP must be made in writing and be received by **2:00 PM on December 11, 2025**. All responses to this solicitation shall be in strict accordance with the requirements set forth in this RFP document and the ensuing contract documents.

To schedule a site visit, contact Stephanie Suter and arrangements will be made.

Sealed proposals will be publicly accepted prior to **5:00 PM, December 19, 2025;** however only the names of firms responding will be available for announcement. Proposals received after the stated due date and time shall not be considered and will be returned to the Offeror. Submit proposals in a sealed, opaque envelope, and put the RFP number, title, due date and time on the lower left front. Offerors are responsible for having their proposal stamped by Procurement Division staff before the deadline indicated above and acknowledge all addenda so issued in the space provided below. Any alteration or changes to this RFP will be made only by written addendum issued by the Procurement Division and all Offerors are responsible for obtaining issued addenda from the City's Procurement website: https://www.lynchburgva.gov/Bids.aspx.

Acknowledge receipt of addenda here: No. ____ Date: _____ No. ____ Date: _____ No. ____ Date: _____

Submit proposals electronically or by mail, ground delivery, or hand delivered to:

Procurement Division
900 Church Street
Lynchburg, Virginia 24504

Information the Offeror deems Proprietary is included in the proposal response in sections(s): Pages 4 & 5- Concept Plan
See Paragraph B. on page 2 for guidelines on submitting proprietary information.

In compliance with this RFP and all the conditions imposed therein, the undersigned offers and agrees to furnish the services in accordance with the attached proposal or as mutually agreed by subsequent negotiations. By my signature below, I certify that I am authorized to bind the Offeror in any and all negotiations and/or contractual matters relating to this Request for Proposals. Sign in ink and type or print requested information.

Full Legal Name of Offeror: FYG Properties, LLC

Fed ID OR SOC. SEC. NO.: 30-0683340 Date: December 19, 2025

Address: 101 Mountain Avenue Phone: (540) 400-6288

Roanoke, VA 24014 E-mail address: blair@altus-group-inc.com

Signature: Blair Godsey Digitally signed by Blair Godsey DN: C=US, E=blair@altus-group-inc.com, CN=Blair Godsey Location: Roanoke, Virginia Reason: I am approving this document Date: 2025.12.19 15:08:36-05'00' Blair Godsey

Typed or Printed Name, Title

Stephanie Suter

City Procurement Manager's Signature

December 15, 2025
Procurement Division
900 Church Street
Lynchburg, VA 24504

Re: 805 Court Street Building

To Whom it May Concern:

On behalf of **FYG Properties, LLC** or assigns (Purchaser) and in response to the City of Lynchburg's Request for Proposal No. 2026-048 issued November 21, 2025 (the "RFP"), this letter is to serve as a Non-Binding Letter of Intent for purchase of the property located at 805 Court Street in Lynchburg, Virginia. This Letter of Intent addresses, to the fullest extent possible, the terms in which Purchaser is prepared to enter into a purchase agreement with Seller:

Project Summary: The City of Lynchburg is the owner of property commonly referred to as the 805 Court Street Building and located at 805 Court Street in Lynchburg, Virginia. Per the RFP, the City of Lynchburg desires to see the Property redeveloped into a commercial office building that promotes job growth and economic development. The Purchaser has a redevelopment plan that would help the City of Lynchburg realize its objectives. Blair Godsey represents the Purchaser and has extensive experience executing successful historic redevelopment projects. In consideration of time and the objectives of the City of Lynchburg, Purchaser would like to pursue a phased redevelopment approach as follows:

Seller:	City of Lynchburg
Purchaser:	FYG Properties, LLC or assigns
Subject Property:	805 Court Street, Lynchburg, Virginia, tax map number 2445003 (Property)
Purchase Price:	$500,000
Deposit:	$10,000 upon execution of a mutually agreeable purchase agreement. The deposit will be held in escrow by Purchaser's attorney and applied to purchase price at closing or returned to Purchaser if closing does not occur.
Closing Credit:	Seller to credit Purchaser $400,000 against the Purchase Price at closing, which Purchaser shall apply to its cost of capital improvements required to address deferred maintenance on the Property and to address challenges associated with repurposing the church sanctuary component of the Property into a modern functional use.
Due Diligence:	In recognition of the work and time required to successfully structure and underwrite redevelopment of the Property, Purchaser shall have up to 180 days from execution of a mutually agreeable purchase agreement to secure a lease satisfactory to Seller and to complete any tests, studies, surveys, and/or other activities it deems necessary for its redevelopment plan (First Due Diligence Period). Purchaser shall have the option to extend the First Due Diligence Period by 180 days upon notice to Seller at least 30 days prior to the end of the First Due Diligence Period if Purchaser determines additional work is needed for its due diligence (Second Due Diligence Period). If during the First Due Diligence Period or Second Due Diligence Period, Purchaser determines that

	its redevelopment plan is not feasible for any reason, then it can terminate its agreement and receive a refund of the Deposit.
Inspection Documents:	Seller agrees to provide Purchaser within 10 days of execution of a mutually agreeable purchase agreement, any and all building inspection reports, surveys, title reports, engineering and architectural drawings or plans, easements and anything else Seller has that could be of benefit to Purchaser's Due Diligence.
Property Access:	During the First Due Diligence Period or Second Due Diligence Period, Seller to allow Purchaser access to the Property as needed with advance notice from Purchaser to Seller.
Closing Date:	The closing shall take place no later than 60 days following the end of the First Due Diligence Period, or if exercised, no later than 60 days following the end of the Second Due Diligence Period.
Broker Representation:	Seller and Purchaser both agree that no real estate brokers are involved in this transaction.
Environmental Disclosure:	Seller is not aware of any environmental issues with the property.
Hold Harmless:	The Purchaser shall hold harmless the Seller, its employees, officers, agents, etc. for any damage or liability arising from the Purchaser's inspections on or off the Property.
Development Strategy:	The Purchaser intends to redevelop the Property utilizing state and federal historic tax credits. Such redevelopment will ensure the historic integrity of the Property is maintained.
Projected Economic Impact:	Purchaser anticipates an investment exceeding $9.5MM. Preliminary projections suggest that the Property will accommodate approximately 80 technology sector jobs once complete and fully occupied, further enhancing downtowns central business district and expanding on the strength, diversity and positive trajectory of Lynchburg's business community.
Attachments:	Concept plan

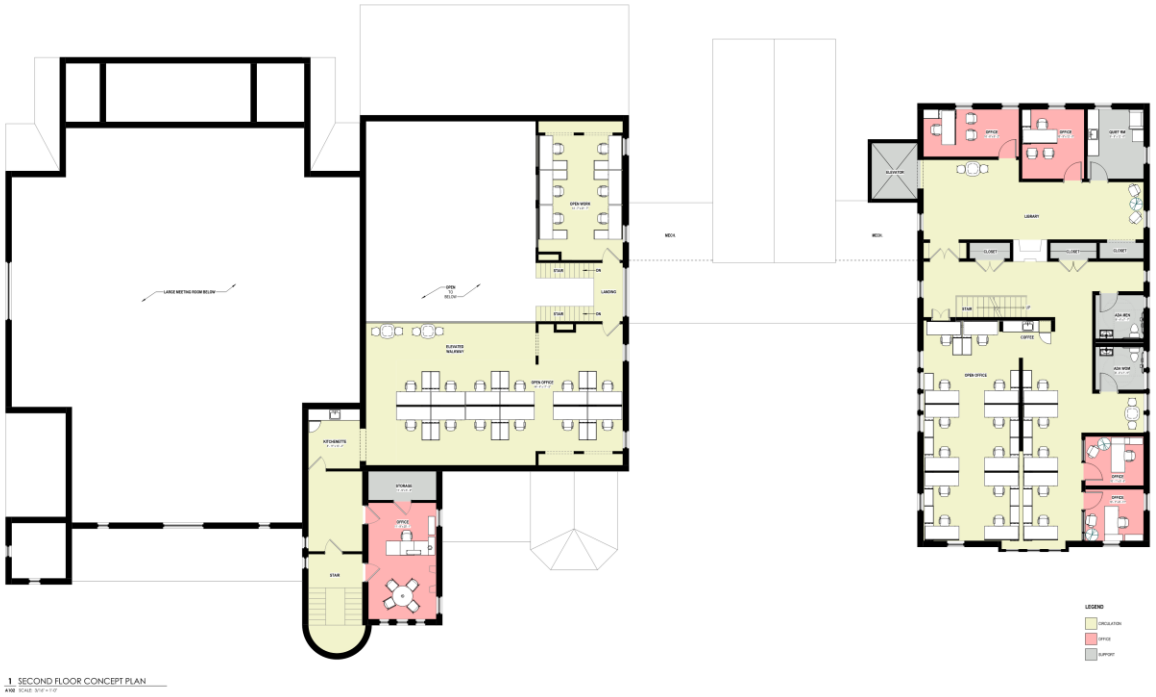
The above general terms and conditions are not complete and are intended solely as a framework for negotiations. Specific additional issues will need to be addressed in a written and signed Purchase Agreement before either party incurs any duty to the other.

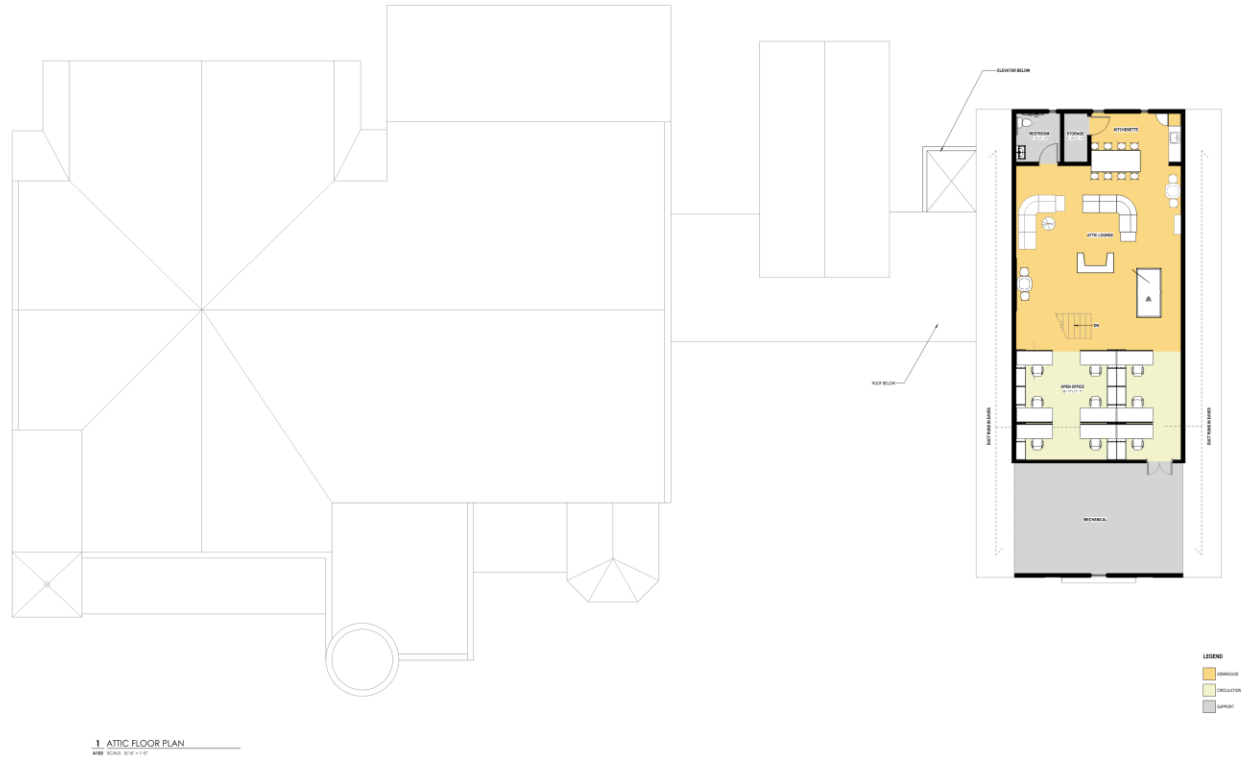
Sincerely,

FYG Properties, LLC

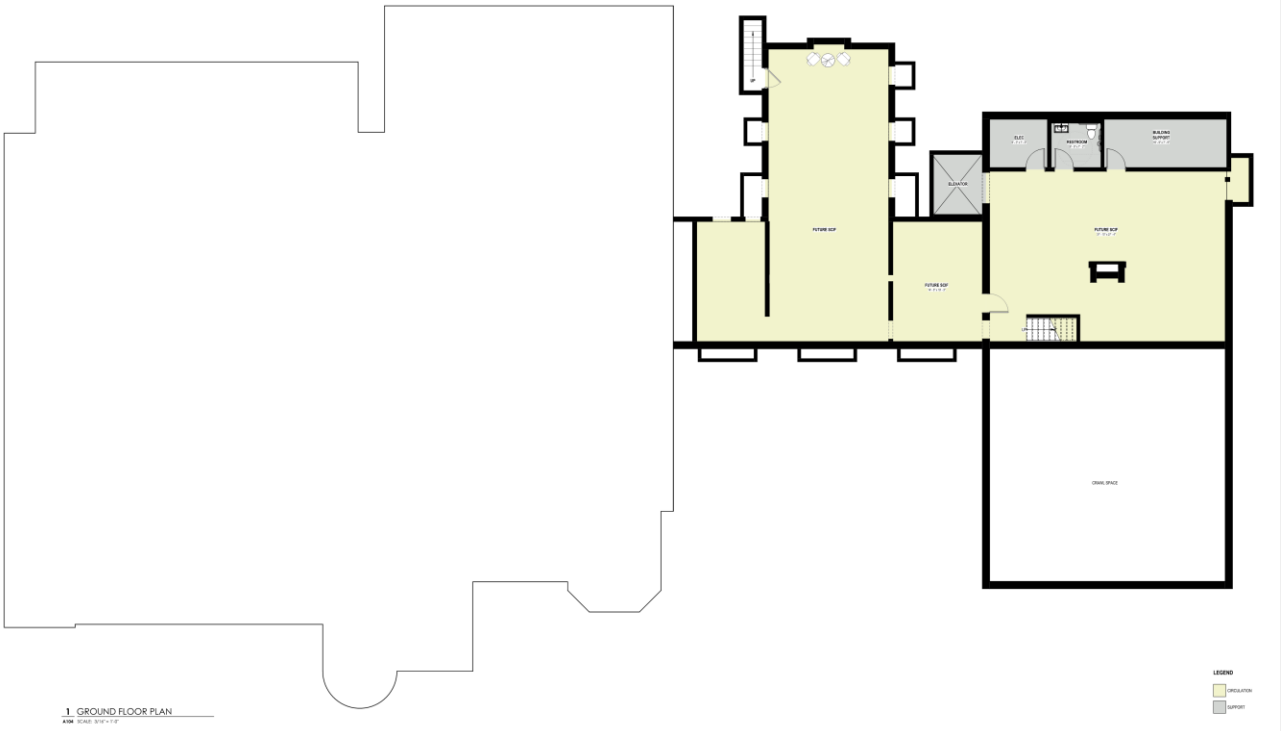
By: Blair Godsey (its manager)

Concept Plan





1 ATTIC FLOOR PLAN



1 GROUND FLOOR PLAN

The News & Advance

See Proof on Next Page

AFFIDAVIT OF PUBLICATION

State of New Jersey, County of Camden, ss:

Anjana Bhadoriya, being first duly sworn, deposes and says: That (s)he is a duly authorized signatory of Column Software, PBC, duly authorized agent of Lynchburg News & Advance, a newspaper printed and published in the City of Lynchburg, County of Campbell, State of Virginia, and that this affidavit is Page 1 of 2 with the full text of the sworn-to notice set forth on the pages that follow, and the hereto attached:

PUBLICATION DATES:
May. 1, 2026

NOTICE ID: QCUsVbwn9gzmIJmnEbEG
PUBLISHER ID: COL-4401392
NOTICE NAME: SALE- 805 Court Street
Publication Fee: 352.98
Ad Size: 2 X 32 L
Category: General Legal Notice

Under penalty of perjury, I, the undersigned affiant swear or affirm that the statements above are true and accurate to the best of my knowledge and belief.

Anjana Bhadoriya

(Signed)_____

VERIFICATION

State of New Jersey
County of Camden

SHARONN E THOMAS-POPE
NOTARY PUBLIC
STATE OF NEW JERSEY
My Commission Expires January 23, 2027

Subscribed in my presence and sworn to before me on this: 05/04/2026

_____
Notary Public
Notarized remotely online using communication technology via Proof.

Notice of Public Hearing

NOTICE IS HEREBY GIVEN that the Council of the City of Lynchburg, Virginia will hold a public hearing on May 12, 2026 at 7:00 p.m., or as soon thereafter as may be heard, in the Council Chamber of the City Hall, 900 Church Street, Lynchburg, Virginia 24504, to receive public input on the proposed adoption of an Ordinance that would authorize the sale and disposal of the following real estate owned by the City of Lynchburg, a municipal corporation of the Commonwealth of Virginia, including any, if any, improvements and appurtenances thereon:

805 Court Street
Lynchburg, Virginia 24504
Tax Map No. 02445003

For a more detailed description of 805 Court Street, please see that certain deed, dated December 29, 1995, of record in the Clerk's Office of the Circuit Court for the City of Lynchburg, Virginia in Deed Book 945 at Page 528.

The aforesaid real estate is proposed to be sold to 805 COURT, LLC, a Virginia limited liability company, as well as its successors and permitted assigns, for $100,000. As of the publication date of this notice, a copy of the full text of the said Ordinance proposed for adoption is on file with the Clerk of Council for the City of Lynchburg, Council / Manager's Office, 900 Church Street - 3rd Floor, Lynchburg, Virginia 24504, and it is available for public inspection and review during normal business hours (Monday-Friday, 8:30 a.m. to 5:00 p.m.). All interested persons are invited to appear at the said public hearing and present their views. Questions and/or comments may be referred to Alicia L. Finney, the Clerk of Council for the City of Lynchburg, who may be contacted at (434) 455-3990 or at alicia.finney@lynchburgva.gov.
COL-4401392

The News & Advance

SCAN THE QR CODE TO PLACE AN AD

MARKETPLACE

TO PLACE AN AD - SELF-SERVE: https://newsadvance.com/place_an_ad **Call:** 434-978-7202

LEGALS AND PUBLIC NOTICE: legals.virginia@lee.net **Call:** 434-978-7289

OBITUARIES: obits@newsadvance.com **Call:** 888-220-4265

CLASSIFIEDS: classifieds.virginia@lee.net **Call:** 434-978-7202

SHOP LOCAL / BUSINESS DIRECTORY: https://newsadvance.com/place_an_ad

MERCHANDISE

Furniture - Household

Washer & Dryer Heavy Duty
Nice, both $600 (for the price of 1 new one!). Tested by tech.
434-363-0535

Garage & Yard Sales

Unit Sale
190 Honeybee Lane, Rustburg
Sat. May 2nd, 8am-11am
Misc. household items, lots more.

Guns

9MM Pistol New 410 Shotgun Bolt-Action Single Shot
Nice
434-363-0535

PETS - ANIMALS

Dogs

Cane Corso Puppies
4 months old, M & F.
434-369-6585

TRANSPORTATION

Used Cars for Sale

For Sale 2007 BMW X/3
Black. 147,900 mi. Good condition. $4,300 OBO.
Call 434-426-4093

Miscellaneous Vehicles

Tow Truck 1997, GMC 8 Speed HD
Sitting several years. Fully hydraulic, wench & lift. $5000 FIRM.
See at 2328 Lakeside Dr.
434-363-0535

WE REACH A WIDE AUDIENCE
434-978-7202
The News & Advance

EQUAL HOUSING OPPORTUNITY

All real estate advertised herein is subject to the Federal Fair Housing Act, which makes it illegal to advertise "any preference, limitation, or discrimination because of race, color, religion, sex, handicap, familial status, or national origin, or intention to make any such preference, limitation, or discrimination." Virginia Fair Housing Law also makes it illegal to discriminate because of elderliness (age 55 and over).
We will not knowingly accept any advertising for real estate which is in violation of the law. All persons are hereby informed that all dwellings advertised are available on an equal opportunity basis.

Have You Used The Classifieds Lately?
GIVE US A CALL!
The News & Advance
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Looking for a New Place to Call Home?

Classified Ads Work EVERY DAY Let One Work For You

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The News & Advance

LEGAL NOTICES

Legals

NOTICE OF TRUSTEE'S SALE

4350 Lambs Church Rd, Altavista, Virginia 24517 In execution of that certain deed of trust in the original principal amount of $169,375.00 dated June 14, 2024 and recorded among the land records of Campbell County, as Instrument Number 240002788 and subsequent modifications or re-recordings, if any, as amended by an instrument appointing the undersigned as Substituted Trustee recorded in the land records of Campbell County, Virginia, default having been made in the payment of the indebtedness thereby secured and having been requested to do so by the holder of the note evidencing the said indebtedness, the undersigned Substituted Trustee will offer for sale at public auction at the front entrance of the Campbell County Circuit Court, 732 Village Highway, Rustburg, Virginia, on: June 10, 2026 at 1:15 PM The property described in said deed of trust located at the above street address, and more particularly described as: ALL THAT CERTAIN TRACT OR PARCEL OF LAND, TOGETHER WITH THE BUILDINGS AND IMPROVEMENTS THEREON AND THE EASEMENTS AND APPURTENANCES THEREUNTO BELONGING, DESCRIBED AS PARCEL "A" AND PARCEL "B", CONTAINING A TOTAL COMBINED ACREAGE OF 1.007, MORE OR LESS, AND MORE PARTICULARLY DESCRIBED ON A PLAT OF SURVEY ENTITLED "PLAT SHOWING PARCEL "A" PROPERTY OF STEWARD M. & JUDY M. RICE AND PARCEL "B" PART OF THE PROPERTY OF BENNETT M. & FRANCES RICE, VISTA DISTRICT, CAMPBELL COUNTY, VIRGINIA", DATED OCTOBER 1, 1997, MADE BY THOMAS C. BROOKS, SR., L.S., WHICH SAID PLAT IS RECORDED IN THE CLERK`S OFFICE OF THE CIRCUIT COURT OF CAMPBELL COUNTY, VIRGINIA, IN PLAT CABINET B, SLIDE 196, AT PAGE 764. ALSO CONVEYED IS AN EASEMENT FOR INGRESS AND EGRESS TO THE SAID ONE ACRE PARCEL OF LAND, SUCH EASEMENT BEING 16.6 FEET WIDE AT STATE ROUTE 701 (LAMBS CHURCH ROAD) AND EXPANDING TO A 20 - FOOT EASEMENT AS SHOWN ON THE AFORESAID PLAT. TERMS OF SALE: Cash or certified funds. A non-refundable deposit of ten percent (10%) of the successful bid price, payable in cash or by certified or cashier's check to the undersigned will be required of the successful bidder at time of sale. Terms of sale to be complied with within 14 days from date of sale or deposit will be forfeit and property will be resold at costs of defaulting purchaser. All real estate taxes to be adjusted as of date of sale. Seller shall not be responsible for any costs incurred by the purchaser in connection with their purchase or settlement, including, without limitation, state and local recording fees, title insurance or research, or any other costs of purchaser's acquisition. The property and the improvements thereon will be sold as is, without representations or warranties of any kind. The sale is subject to all other liens, encumbrances, conditions, easements and restrictions, if any, superior to the aforesaid deed of trust and lawfully affecting the property. Trustee shall have no duty to obtain possession for purchaser. All risks of casualty pass to successful bidder at conclusion of bidding. Sale is subject to post-sale confirmation that the borrower did not file for protection under the U.S. Bankruptcy Code prior to the sale, as well as to post-sale confirmation and audit of the status of the loan with the loan servicer including, but not limited to, determination of whether the borrower(s) entered into any repayment agreement, reinstated or paid off the loan prior to the sale. In any such event, the sale shall be null and void, and the Purchaser's sole remedy, in law or equity, shall be the return of the Purchaser's deposit without interest. Additional terms to be announced at the sale. FOR INFORMATION CONTACT: Terra Abstract Virginia, Inc. 1581 Main Street Suite 200 Warrington, PA 18976 (215) 572-8111, M-F Between 8:00AM - 5 P.M. (VA202500000005) In the event of postponement of the sale, which may be done at the discretion of the trustee, the date of the postponed sale will be announced at the sale. No new or additional notice will be provided other than the announcement at the sale.
COL-4401418

Legals

ORDER OF PUBLICATION

VIRGINIA: IN THE CIRCUIT COURT FOR THE COUNTY OF CAMPBELL
Case No.: 0126-574
Tax Map ID: 21-D-1-24
BOARD OF SUPERVISORS FOR THE
COUNTY OF CAMPBELL, VIRGINIA
Plaintiff,
V.
PRISCILLA A. SCOTT, et al.,
Defendants.

ORDER OF PUBLICATION

The object of this action is to procure the abatement of a nuisance now existing upon the real estate of the above-named Defendants within the jurisdiction of the COUNTY OF CAMPBELL, VIRGINIA and an Affidavit having been made that diligence has been used without effect to ascertain the location of the Defendants, if they be living, and the Complaint stating that there are or may be persons interested in the subject matter of this suit whose name or names are unknown, being the widow or widower and/or heirs, devisees and successors in title by lost grant, adverse possession or otherwise of a named Defendant, which said persons may be persons under a disability, and making said persons parties Defendant by the general description of "Parties Unknown" and an Affidavit having been made and filed that they are unknown; it is ORDERED that the Defendants, and all of them, and the persons made Defendant by the general description of "Parties Unknown" do appear at Campbell County Circuit Court, 732 Village Highway, Rustburg VA 24588, on May 29, 2026 at 9:00 A.M., and do what is necessary to protect their interests herein.
It is FURTHER ORDERED that the foregoing portion of this Order be published on May 22, 2026, May 15, 2026, May 8, 2026 and May 1, 2026, in the Lynchburg News & Advance, a newspaper having general circulation in the COUNTY OF CAMPBELL, VIRGINIA.
ENTER: 3/13/2026
/s/
JUDGE
I ASK FOR THIS:
F.E."Tripp" Isenhour, III, Esquire
Campbell County Attorney
Virginia State Bar No. 76871
P.O. Box 6320
Lynchburg, Virginia 24505
Telephone: 434-846-2731
Facsimile: 434-846-0496
Email: tisenhour@caskiefrost.com
COL-4401368

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that, in accordance with the requirements of Sections 15.2-2507 and 15.2-1427 of the Code of Virginia, the Lynchburg City Council will hold a public hearing on **May 12, 2026, at 7:00 p.m.**, or as soon thereafter as may be heard, in the Council Chamber of the City Hall located at 900 Church Street, Lynchburg, Virginia 24504, for the purpose and with the intent of amending the Fiscal Year 2026 Budget by Ordinance to reflect appropriating supplemental funds and rescinding appropriations for both the Capital and Operating Budgets for the twelve month period beginning July 1, 2025 and ending June 30, 2026 (i.e. to reflect the Third Quarter Adjustments in the General, City/Federal/State Aid, Forfeited Assets, Sewer, Airport, Risk Management, Fleet Services, Medical Insurance, City Capital Projects, Schools Capital Projects, Sewer Capital Projects, Stormwater Capital Projects, and Airport Capital/Grant Projects Funds). As of the publication date of this notice, the full text of the said Ordinance proposed for adoption will be available for public inspection and review during normal business hours (Monday-Friday, 8:30 a.m. to 5:00 p.m.) in the Office of the Clerk of Council in the City Hall, Council/Manager's Office, 900 Church Street – 3rd Floor, Lynchburg, Virginia 24504. All persons are invited to attend the said public hearing to express their views concerning the proposed amendments to the Fiscal Year 2026 Budget. Questions and/or comments concerning this matter should be directed to Alicia Finney-Andrews, the Clerk of Council for the City of Lynchburg, at (434) 455-3990 or alicia.finney@lynchburgva.gov.
COL-4401440

TAKOMAMA

Bodega 9 LLC, trading as: TAKOMAMA, 1039 Gables Dr. Suite 101 - 102, Forest, Va 24551 is applying to the Virginia Alcoholic Beverage Control (ABC) Authority for a Restaurant-Beer, Wine, Mixed Beverages Consumed On and Off Premises license to sell or manufacture alcoholic beverages.
NOTE: Objections to the issuance of this license must be submitted to ABC no later than 30 days from the publishing date of the first of two required newspaper legal notices, Objections should be registered at www.abc.virginia.gov or (800) 552-3200.
COL-4401442

TRUSTEE'S SALE OF 129 LINDEN AVE, LYNCHBURG, VA 24503

In execution of a certain Deed of Trust dated June 18, 2025, in the original principal amount of $303,520.00 recorded in the Clerk's Office, Circuit Court for Lynchburg City, Virginia as Instrument No. 250003885. The undersigned Substitute Trustee will offer for sale at public auction in the front of the Circuit Court building for the City of Lynchburg, 900 Court Street, Lynchburg, Virginia, or any such temporary alternative Circuit Court location designated by the Judges of the Circuit Court, on July 2, 2026, at 12:15 PM, the property described in said Deed of Trust, located at the above address, and more particularly described as follows: ALL THAT CERTAIN LOT OR PARCEL OF LAND, TOGETHER WITH ALL BUILDINGS AND IMPROVEMENTS THEREON AND PRIVILEGES, EASEMENTS AND APPURTENANCES THEREUNTO BELONGING, LYING AND BEING SITUATED IN THE CITY OF LYNCHBURG, VIRGINIA, AND DESIGNATED AS PART OF LOT 3 AND PART OF LOT 4 AS SHOWN ON A PLAT ENTITLED "RESURVEY OF PART OF LOT 3 AND PART OF LOT 4, AMENDED BLOCK 20, PEAKLAND PLAN `A` CITY OF LYNCHBURG, VIRGINIA," DATED MAY 27, 2004, MADE BY JAMES C. MAY AND ASSOCIATES, P.C. SAID PLAT IS RECORDED WITH THAT CERTAIN DEED DATED JUNE 1, 2004, AND RECORDED IN THE LYNCHBURG CIRCUIT COURT CLERK`S OFFICE AS INSTRUMENT NO. 040005680. TERMS OF SALE: ALL CASH. A bidder's deposit of ten percent (10%) of the sale price or ten percent (10%) of the original principal balance of the subject Deed of Trust, whichever is lower, in the form of cash or certified funds payable to the Substitute Trustee must be present at the time of the sale. The balance of the purchase price will be due within fifteen (15) days of sale, otherwise Purchaser's deposit may be forfeited to Trustee. Time is of the essence. If the sale is set aside for any reason, the Purchaser at the sale shall be entitled to a return of the deposit paid. The Purchaser may, if provided by the terms of the Trustee's Memorandum of Foreclosure Sale, be entitled to a $50 cancellation fee from the Substitute Trustee, but shall have no further recourse against the Mortgagor, the Mortgagee or the Mortgagee's attorney. A form copy of the Trustee's memorandum of foreclosure sale and contract to purchase real property is available for viewing at www.aldridgepite.com. Additional terms, if any, to be announced at the sale and the Purchaser may be given the option to execute the contract of sale electronically. This is a communication from a debt collector and any information obtained will be used for that purpose. The sale is subject to seller confirmation. Substitute Trustee: Equity Trustees, LLC, 8100 Three Chopt Road, Suite 240, Richmond, VA 23229. If you have any questions or concerns, please contact the Virginia Pre-Sale Department of counsel for Equity Trustees, LLC at 301-961-6555, website: www.aldridgepite.com. VA-383210-1.
COL-4401462

Notice of Public Hearing

NOTICE IS HEREBY GIVEN that the Council of the City of Lynchburg, Virginia will hold a public hearing on May 12, 2026 at 7:00 p.m., or as soon thereafter as may be heard, in the Council Chamber of the City Hall, 900 Church Street, Lynchburg, Virginia 24504, to receive public input on the proposed adoption of an Ordinance that would authorize the sale and disposal of the following real estate owned by the City of Lynchburg, a municipal corporation of the Commonwealth of Virginia, including any, if any, improvements and appurtenances thereon:

805 Court Street
Lynchburg, Virginia 24504
Tax Map No. 02445003

For a more detailed description of 805 Court Street, please see that certain deed, dated December 29, 1995, of record in the Clerk's Office of the Circuit Court for the City of Lynchburg, Virginia in Deed Book 945 at Page 528.

The aforesaid real estate is proposed to be sold to 805 COURT, LLC, a Virginia limited liability company, as well as its successors and permitted assigns, for $100,000. As of the publication date of this notice, a copy of the full text of the said Ordinance proposed for adoption is on file with the Clerk of Council for the City of Lynchburg, Council / Manager's Office, 900 Church Street - 3rd Floor, Lynchburg, Virginia 24504, and it is available for public inspection and review during normal business hours (Monday-Friday, 8:30 a.m. to 5:00 p.m.). All interested persons are invited to appear at the said public hearing and present their views. Questions and/or comments may be referred to Alicia L. Finney, the Clerk of Council for the City of Lynchburg, who may be contacted at (434) 455-3990 or at alicia.finney@lynchburgva.gov.
COL-4401392

AGENDA ITEM SUMMARY

MEETING DATE	PRESENTED BY
May 12, 2026	Joseph Newland, City Engineer

AGENDA ITEM # III.4

SMARTSCALE application

RECOMMENDATION

Recommend approval of resolution to City Council at the May 12, 2026, regular 7 pm meeting

SUMMARY

Staff will present a PowerPoint presentation of the three projects recommended for support to apply for SMARTSCALE funds. These are Wards Road Displaced Left, Campbell Avenue/Florida Avenue Roundabout and 460 Ramps, and Campbell Avenue Sidewalk Improvements. The three projects total $115, 530,418.

PRIOR ACTION(S)

None

FISCAL IMPACT

None - Smart Scale projects are 100% Federally Funded

CONTACT(S)

Gaynelle Hart, Director of Public Works
Joseph Newland, City Engineer

ATTACHMENT(S)

1. Wards Road DLT
2. Campbell_Florida_Roundabout
3. CampbellAve_Sidewalk
4. VDOT Resolution FY2028
5. Power Point - PDC -Smart Scale

REVIEWED BY

Gaynelle Hart

Date: April 30, 2026

Gaynelle Hart, Director of Public Works

Date: May 07, 2026

Gregory Patrick, Deputy City Manager

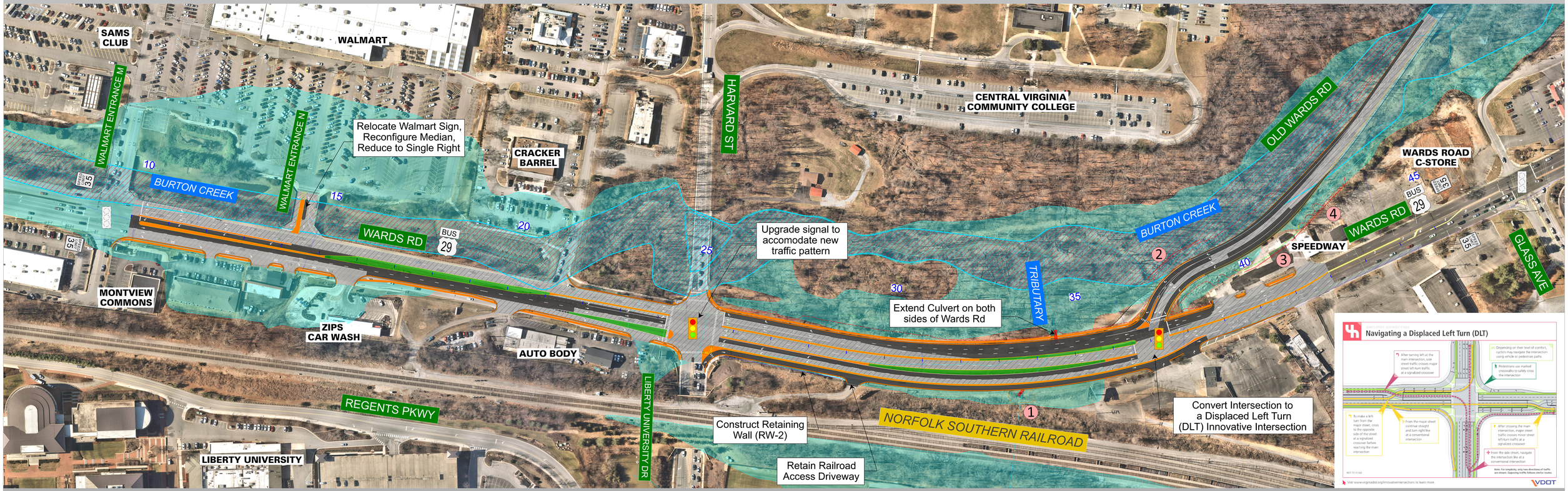
Date: May 07, 2026

Alicia Finney-Andrews, Clerk of Council

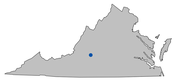
Prepared By:

Wards Rd Improvements Smart Scale Support
From Walmart South Entrance to Old Wards Rd

March 2026



Project Location



Lynchburg, VA

N

SCALE
0 50' 100' 150' 200'

Full Depth Pavement	Proposed Grass Area	Proposed Guardrail	Existing Concrete Median	# Parcel Numbers	Existing Property Lines	Water Mains
Mill and Overlay	Proposed Culvert	Proposed R/W	Signal Modification	FEMA Floodway	Stormwater Mains	Limits in Cut
Concrete Curb/Sidewalk/ Median Island	Proposed Retaining Wall	Temporary Easement	Existing Signal	FEMA Flood Zone	Sewer Mains	Limits in Fill

Raina Rosado, PE
Virginia Department of Transportation
Lynchburg District, Location & Design

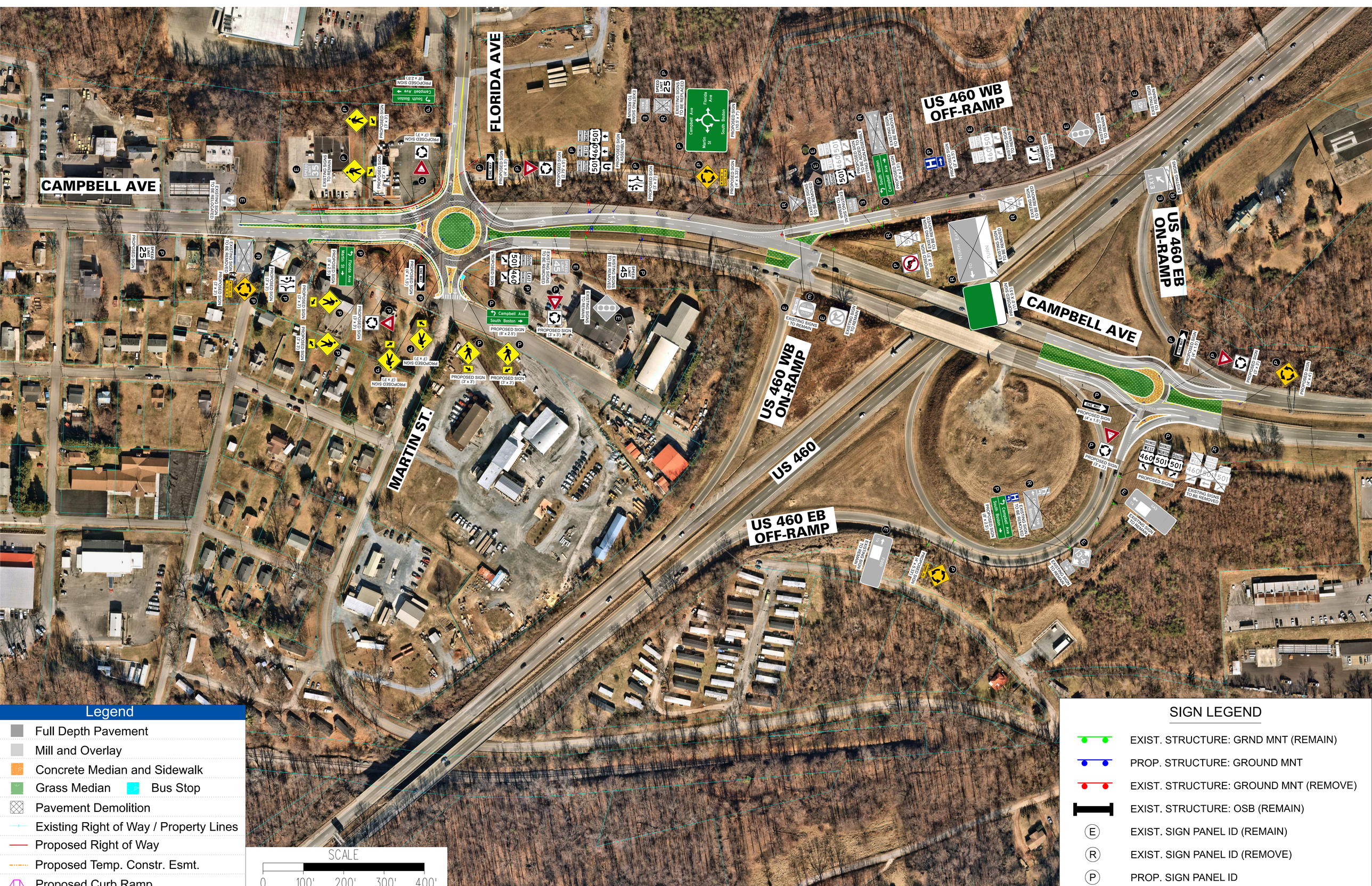
4219 Campbell Ave
Lynchburg, VA 24501

Wards Rd Improvements Smart Scale Support
Lynchburg, Virginia

State Project Number - n/a
UPC xxxxx - n/a
Federal Project Number - n/a

These plans are unfinished and unapproved and are not to be used for any type of construction or the acquisition of right of way. Additional easements for utility relocations may be required beyond the proposed right-of-way shown on these plans.

Imagery Courtesy of the Commonwealth of Virginia, copyright 2025.


CAMPBELL AVE
FLORIDA AVE
MARTIN ST.
US 460 WB OFF-RAMP
US 460 EB ON-RAMP
US 460 WB ON-RAMP
US 460 EB OFF-RAMP
US 460
EXISTING SIGN TO BE RELOCATED
EXISTING SIGNS TO REMAIN
EXISTING SIGNS TO BE REMOVED
PROPOSED SIGN
PROPOSED SIGNS
EXISTING SIGNS TO BE REPLACED
PROPOSED SIGN ASSEMBLY
PROPOSED SIGN (3' x 3')
PROPOSED SIGN (4' x 4')
PROPOSED SIGN (6' x 2.5')
PROPOSED SIGN (6' x 3')
PROPOSED SIGN (4' x 1.5')
PROPOSED SIGN (2.5' x 4')
PROPOSED SIGN (6' x 2.5')
PROPOSED SIGN (8' x 2.5')
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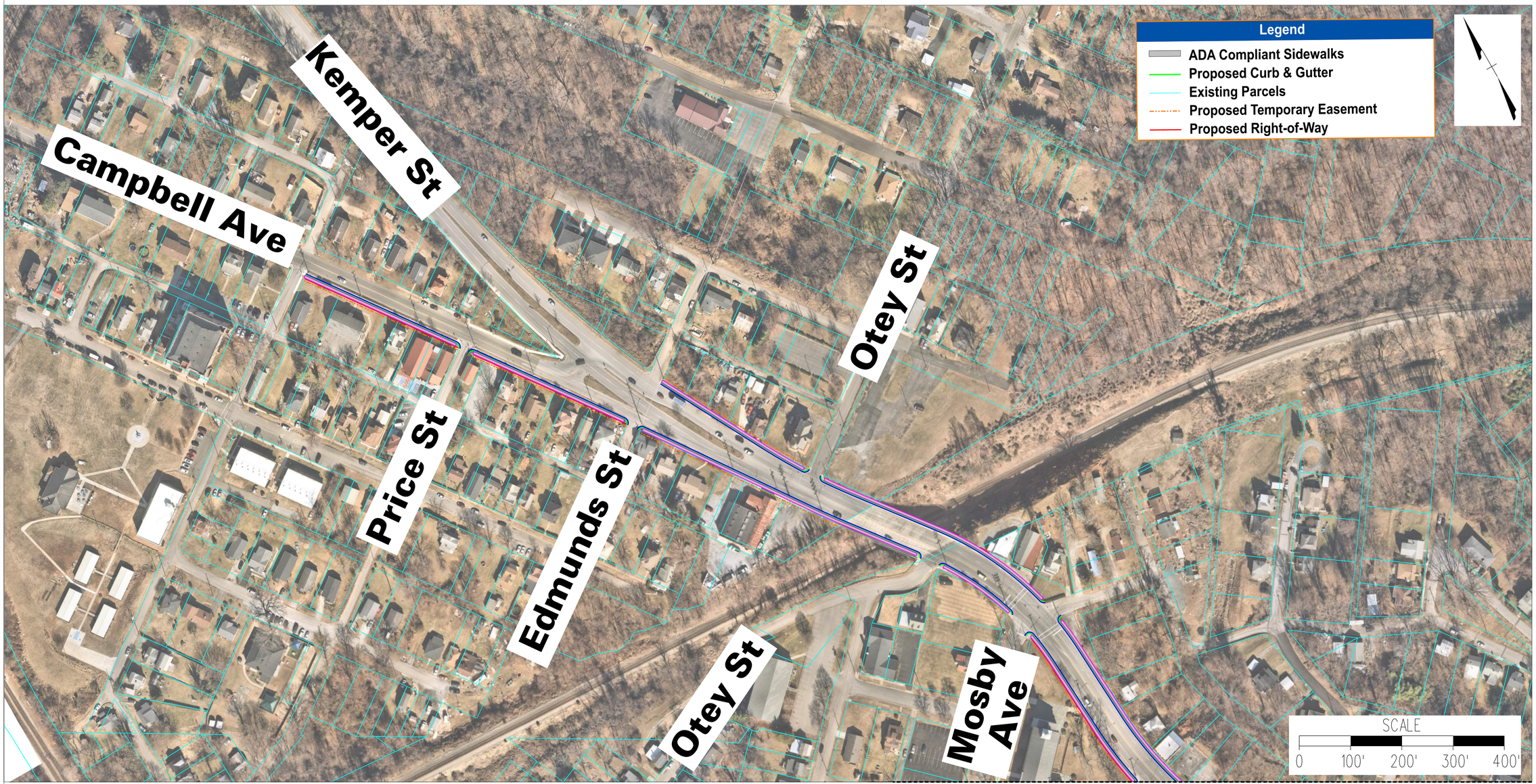
US-501 N (CAMPBELL AVENUE) -
US 460 INTERCHANGE TO HOLIDAY STREET CORRIDOR IMPROVEMENT STUDY



SEE SHEET 2

Option 1 - Corridor Wide Conventional Improvement (1 of 3)

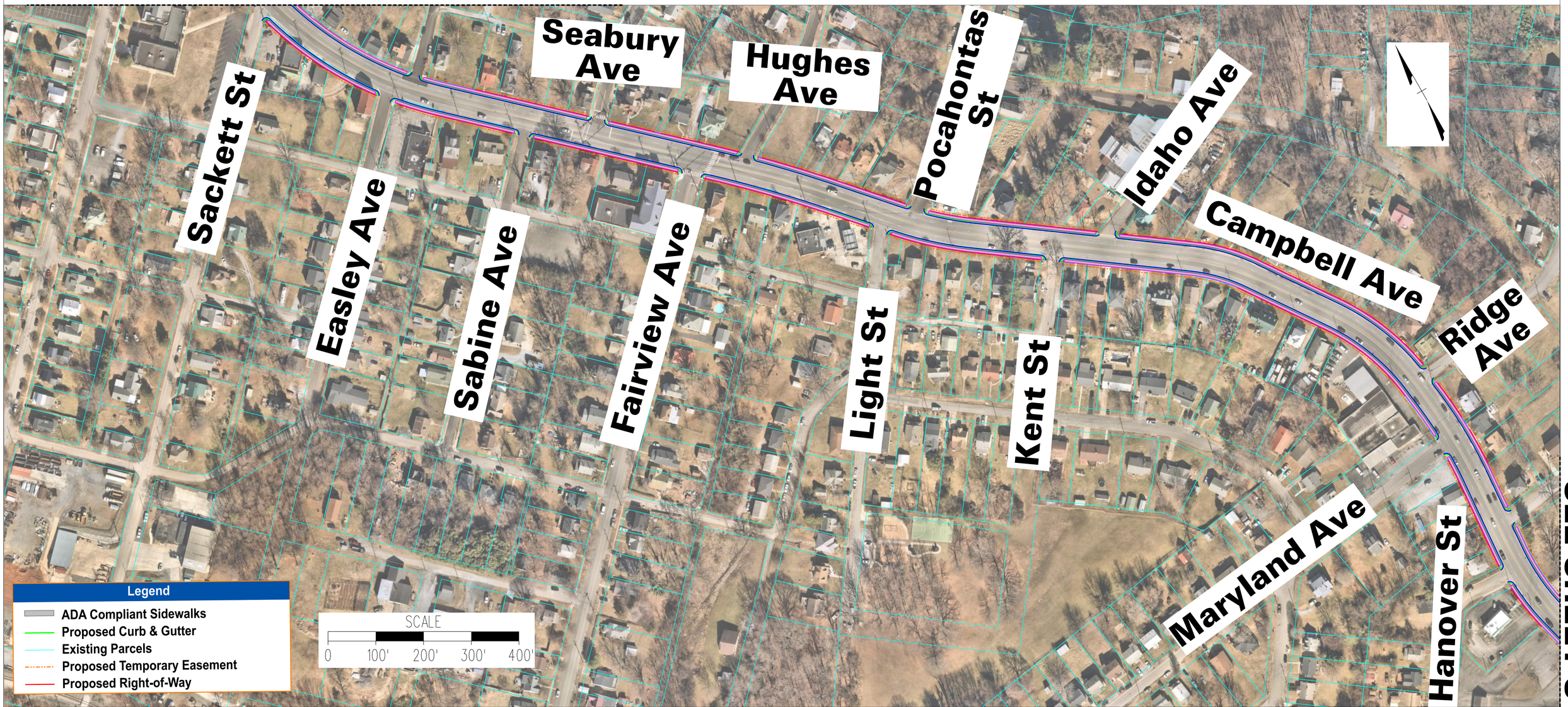
VDOT STARS

CORPORATION OF LYNCHBURG 1786

CVPDC CENTRAL VIRGINIA PLANNING DISTRICT COMMISSION

US-501 N (CAMPBELL AVENUE) -
US 460 INTERCHANGE TO HOLIDAY STREET CORRIDOR IMPROVEMENT STUDY

SEE SHEET 1



SEE SHEET 3

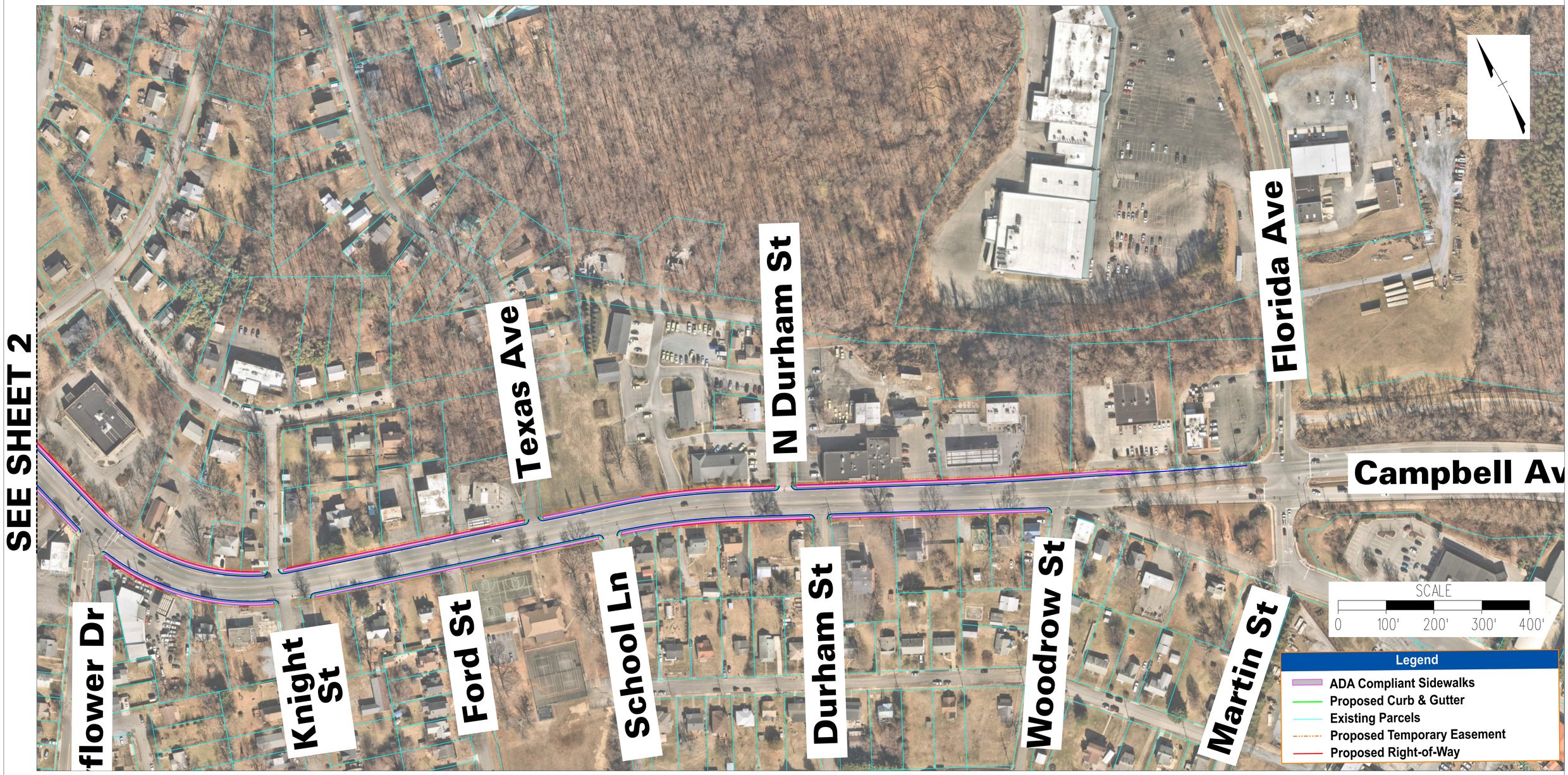
Option 1 - Corridor Wide Conventional Improvement (2 of 3)

VDOT STARS

CORPORATION OF LYNCHBURG 1786

CVPDC CENTRAL VIRGINIA PLANNING DISTRICT COMMISSION

US-501 N (CAMPBELL AVENUE) -
US 460 INTERCHANGE TO HOLIDAY STREET CORRIDOR IMPROVEMENT STUDY



Option 1 - Corridor Wide Conventional Improvement (3 of 3)

VDOT STARS

CORPORATION OF LYNCHBURG 1786

CVPDC CENTRAL VIRGINIA PLANNING DISTRICT COMMISSION

A RESOLUTION BY THE COUNCIL OF THE CITY OF LYNCHBURG, VIRGINIA, ENDORSING THE VDOT SMART SCALE PROGRAM APPLICATIONS

WHEREAS, in accordance with the Commonwealth Transportation Board construction allocation procedures, it is necessary that a resolution of support be received from the local jurisdiction requesting the Virginia Department of Transportation (VDOT) establish and fund projects in the City of Lynchburg.

NOW, THEREFORE, BE IT RESOLVED, that the City of Lynchburg does support and requests the Commonwealth Transportation Board to establish and fund, for any successful program application and all stages of construction, the following projects as listed in the agenda item titled "*Proposed Virginia Department of Transportation (VDOT) Smart Scale Applications for FY 2028*".

BE IT FURTHER RESOLVED THAT: The City of Lynchburg hereby agrees to provide its share of the total cost for preliminary engineering, right-of-way and construction, if any, of these projects in accordance with the project financial documents.

BE IT FURTHER RESOLVED THAT: The City of Lynchburg hereby agrees to enter into project administration agreements with VDOT and provide the necessary oversight to ensure the projects are developed in accordance with all applicable federal, state and local requirements for design, right-of-way acquisition, and construction of the projects.

BE IT FURTHER RESOLVED THAT: The City of Lynchburg will be responsible for maintenance and operating costs of the facilities as constructed unless other arrangements have been made with VDOT.

BE IT FURTHER RESOLVED THAT: If the City of Lynchburg subsequently elects to cancel any of the projects, the City of Lynchburg hereby agrees to reimburse VDOT for the total amount of costs expended by VDOT through the date VDOT is notified of such cancellation. The City of Lynchburg also agrees to repay any funds previously reimbursed that are later deemed ineligible by the Federal Highway Administration or VDOT.

BE IT FURTHER RESOLVED THAT: The Council of the City of Lynchburg hereby grants authority for the City Manager to apply for funds and execute project administration agreements, as well as other documents necessary for the approved projects.

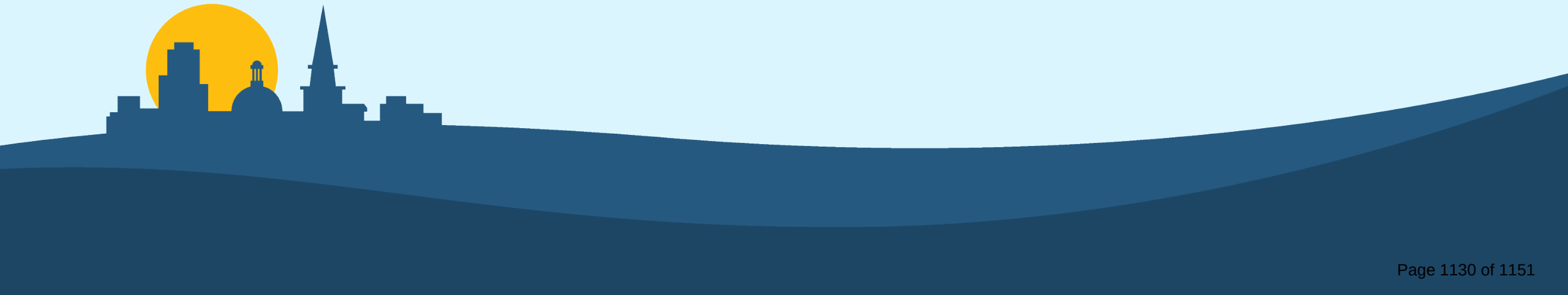
Adopted:

Certified: _____
Clerk of Council

135K

SMART SCALE APPLICATIONS

May 12, 2026



PURPOSE & ACTION

Purpose:

To apply for Virginia Department of Transportation (VDOT) Smart Scale funds for transportation projects. Smart Scale projects are 100 percent Federally Funded for awarded projects.

Action:

Seeking approval of resolution required by VDOT for three separate projects totaling $115,530,418.

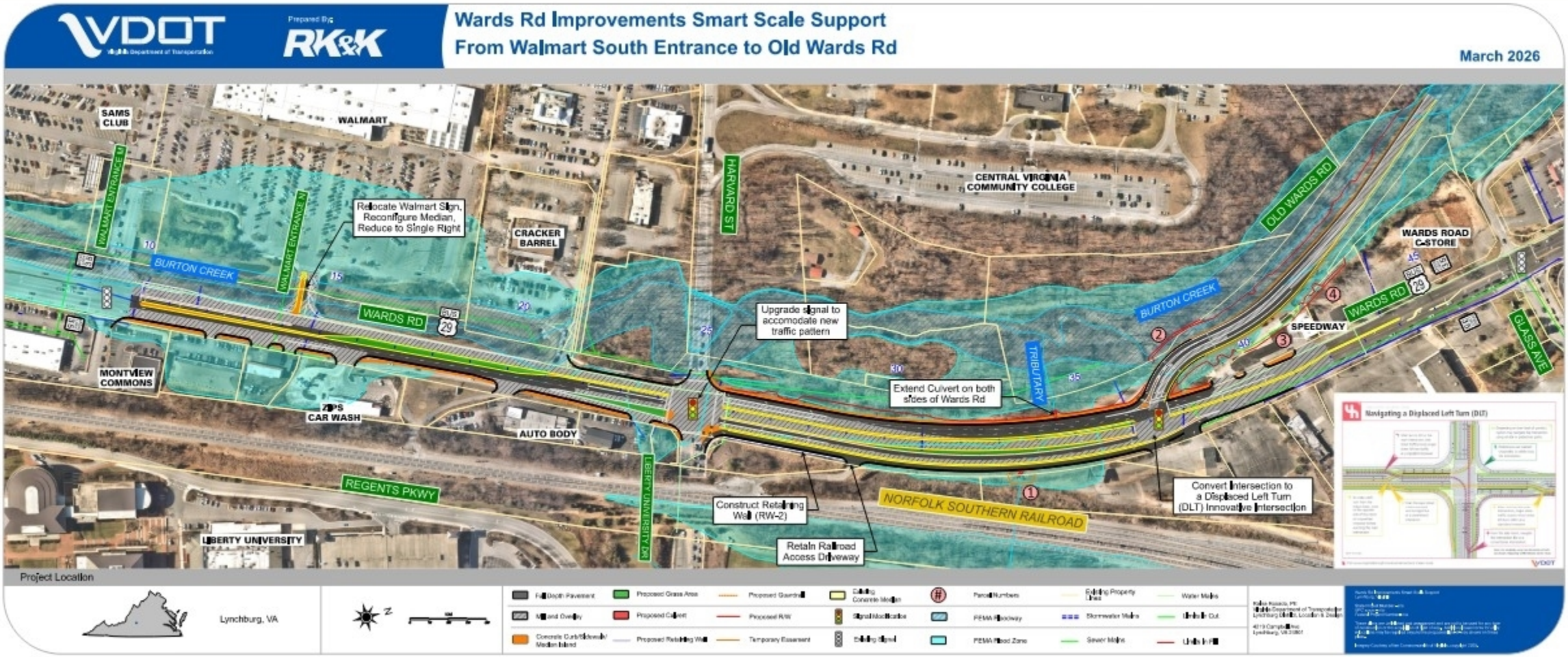
THE CITY OF LYNCHBURG

WARDS RD DISPLACED LEFT TURN (DLT)

- Innovated Intersection Design
- Improved flow on Wards Road at Liberty University tunnels
- Full support of project from LU
- Improve traffic flow for CVCC
- **Total project cost :** $68.1 million

THE CITY OF LYNCHBURG

WARDS RD DISPLACED LEFT TURN (DLT)



CAMPBELL/FLORIDA AVE ROUNDABOUT & 460 RAMPS

- Innovated Intersection Design
- Roundabout at Florida/Campbell
- Modifications to 460 westbound off-ramp
- Partial roundabout at 460 eastbound off-ramp
- **Total project cost:** $22.2M

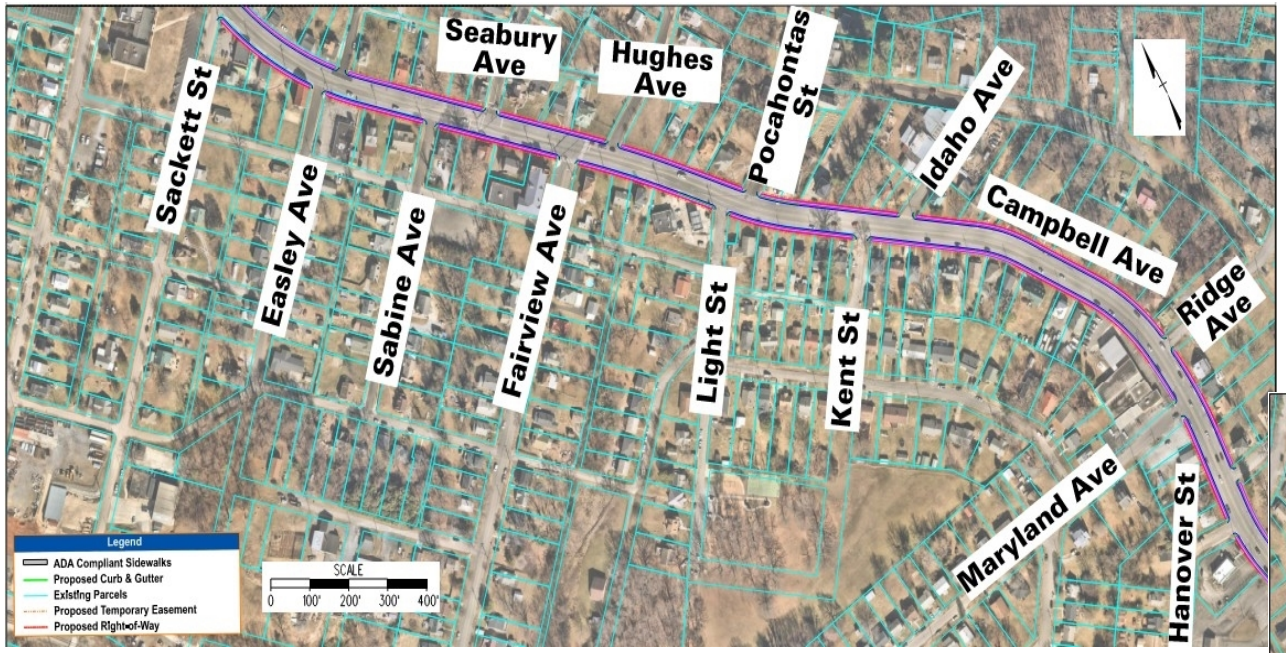
THE CITY OF LYNCHBURG

CAMPBELL/FLORIDA AVE ROUNDABOUT & 460 RAMPS

CAMPBELL AVE SIDEWALK IMPROVEMENTS

- Sidewalk improvements to Campbell Avenue
- From Dewitt Street to Woodrow Street along both sides of Campbell
- Includes ADA improvements
- **Total project cost:** $25.3M

CAMPBELL AVE SIDEWALK IMPROVEMENTS



RECOMMENDATION

Requesting the following action from PDC:

- Recommend to City Council to consider at May 26 meeting
- Approval of proposed resolution required by VDOT to apply for Smart Scale funds for three major transportation projects in Lynchburg.

THE CITY OF LYNCHBURG

AGENDA ITEM SUMMARY

MEETING DATE	PRESENTED BY
May 12, 2026	Joseph Newland, City Engineer

AGENDA ITEM # III.5

APCO Easement for Milestone Cell Tower

RECOMMENDATION

Information

SUMMARY

APCO needs to obtain an easement across city-owned property located at 3525 John Capron Road (Lynchburg City Schools transportation facility) to provide power to a proposed Milestone Cell Tower. The Milestone Cell Tower lease was approved by City Council on August 26, 2025.

PRIOR ACTION(S)

Lease was approved by City Council on August 26, 2025 for the Milestone Cell Tower.

FISCAL IMPACT

No fiscal impact.

CONTACT(S)

Gaynelle Hart, Director of Public Works
Joseph Newland, City Engineer

ATTACHMENT(S)

1. APCO Easement Deed 3525 John Capron
2. Proposed Ordinance - APCO Easement - Milestone Towers
3. Proposed AD - APCO Easement 3525 John Capron
4. APCO-Easement-John Capron (1)

REVIEWED BY

Gaynelle Hart

Date: April 30, 2026

Gaynelle Hart, Director of Public Works

Date: May 07, 2026

Gregory Patrick, Deputy City Manager

Date: May 07, 2026

Alicia Finney-Andrews, Clerk of Council

City of Lynchburg Eas. No. R/W Map No. 3779-153-A1
3525 John Capron Road W.O. No. W003835901 Job No. 25310151 Prop No. 1/1
Lynchburg, VA 24501 Line City of Lynchburg Milestone Towers Line

THIS AGREEMENT, made this 9th day of June, 20 26,
by and between City of Lynchburg, a Political Subdivision of the Commonwealth of Virginia, herein called "Grantor", and APPALACHIAN POWER COMPANY, a Virginia corporation, herein called "Appalachian",

WITNESSETH:

That for and in consideration of the sum of One Dollar ($1.00), or other good and valuable consideration from Appalachian, the receipt and sufficiency of which hereby acknowledged, Grantor hereby grants, conveys, and specially warrants to Appalachian, its successors, assigns, lessees and tenants, a right of way and easement for an electric power line or lines, and communication lines, in, on, along, through, over, and across the following described lands of the Grantor situated in the city of Lynchburg, State of Virginia.

Being a right of way and easement on the property of the Grantor identified as Lynchburg City, Tax Parcel Nos. 11501003 herein after referred to as "premises."

This right of way and easement shall be 40 feet in width, lying 20 feet on each side of the facilities as constructed and as approximately shown on certain Appalachian Power Company's drawing dated October 2, 2025, attached hereto and made apart hereof "Exhibit A".

TOGETHER with the right, privilege and authority to Appalachian, its successors, assigns, lessees and tenants, to construct, erect, install, place, operate, maintain, inspect, repair, renew, remove, add to the number of, and relocate at will, poles, with wires, cables, crossarms, guys, anchors, grounding systems and all other appurtenant equipment and fixtures, underground conduits, ducts, vaults, cables, wires transformers, pedestals, risers, pads, fixtures, and appurtenances (hereinafter called "Appalachian's Facilities"), and string wires and cables, adding thereto from time to time, in, on, along, over, through, across and under the above referred to premises. The right to cut, trim, remove and/or otherwise control, with herbicides or by other means, at Grantee's option (without any liability to Grantor), any trees, limbs or branches, brush, shrubs, undergrowth, of whatever size, or other obstructions that in Grantee's reasonable judgment endanger or interfere with the safety or use of its facilities, both within and adjoining the right of way and easement; the right of ingress and egress to and over said above referred to premises, and any of the adjoining lands of the Grantor at any and all times, for the purpose of exercising and enjoying the rights herein granted, and for doing anything necessary or useful or convenient in connection therewith. Within the Easement, Grantor shall not: place any buildings, structures, piles of debris, change the level of the ground by excavation or mounding. It will be the sole responsibility of Appalachian Power to maintain all Appalachian Facilities, including, but not being limited to, the pad mounted transformer installed on the premises.

It is further understood and agreed between Grantor and Appalachian that, as provided under Section 15.2-2100 of the Code of Virginia, 1950, as amended, this Easement will only exist for a term of forty (40) years, commencing on the date of this deed, and expiring on the 8th day of June, 2066. Upon such expiration, where a new easement is needed or where Appalachian Facilities remain on the premises, Appalachian and Grantor shall work together in good faith to establish a new easement.

THIS INSTRUMENT PREPARED BY AND UPON RECORDATION RETURN TO APPALACHIAN POWER COMPANY, PO BOX 2021, ROANOKE, VIRGINIA 24022

It is understood and agreed between the parties hereto, that the Grantor reserves the right to use said lands in any way not inconsistent with the rights herein granted.

TO HAVE AND TO HOLD the same unto Appalachian Power Company, its successors, assigns, lessees and tenants.

It is agreed that the foregoing is the entire contract between the parties hereto, and that this written agreement is complete in all its terms and provisions.

NOTICE TO LANDOWNER: You are conveying rights to a public service corporation. A public service corporation may have the right to obtain some or all of these rights through exercise of eminent domain. To the extent that any of the rights being conveyed are not subject to eminent domain, you have the right to choose not to convey those rights and you could not be compelled to do so. You have the right to negotiate compensation for any rights that you are voluntarily conveying.

IN WITNESS WHEREOF, Grantor has caused its corporate name and seal to be hereto affixed the day and year first above written.

City of Lynchburg

By: _____

Wynter C. Benda
City Manager

STATE OF _____)
) To-wit:
COUNTY OF _____)

The foregoing instrument was acknowledged before me this _____ day of _____, 20 _____, by Wynter C. Benda, City Manager on behalf of the City of Lynchburg, a Municipal Corporation of the Commonwealth of Virginia.

_____
Notary Public/Commissioner

My Commission expires:

_____

Notary Registration # - _____
(For Va. Only)

Approved As to Form

By: _____
Matthew C. Freedman City Attorney

STATE OF _____)
) To-wit:
COUNTY OF _____)

The foregoing instrument was acknowledged before me this _____ day of _____, 20 _____, by Matthew C. Freedman, City Attorney, of the City of Lynchburg.

_____
Notary Public/Commissioner

My Commission expires:

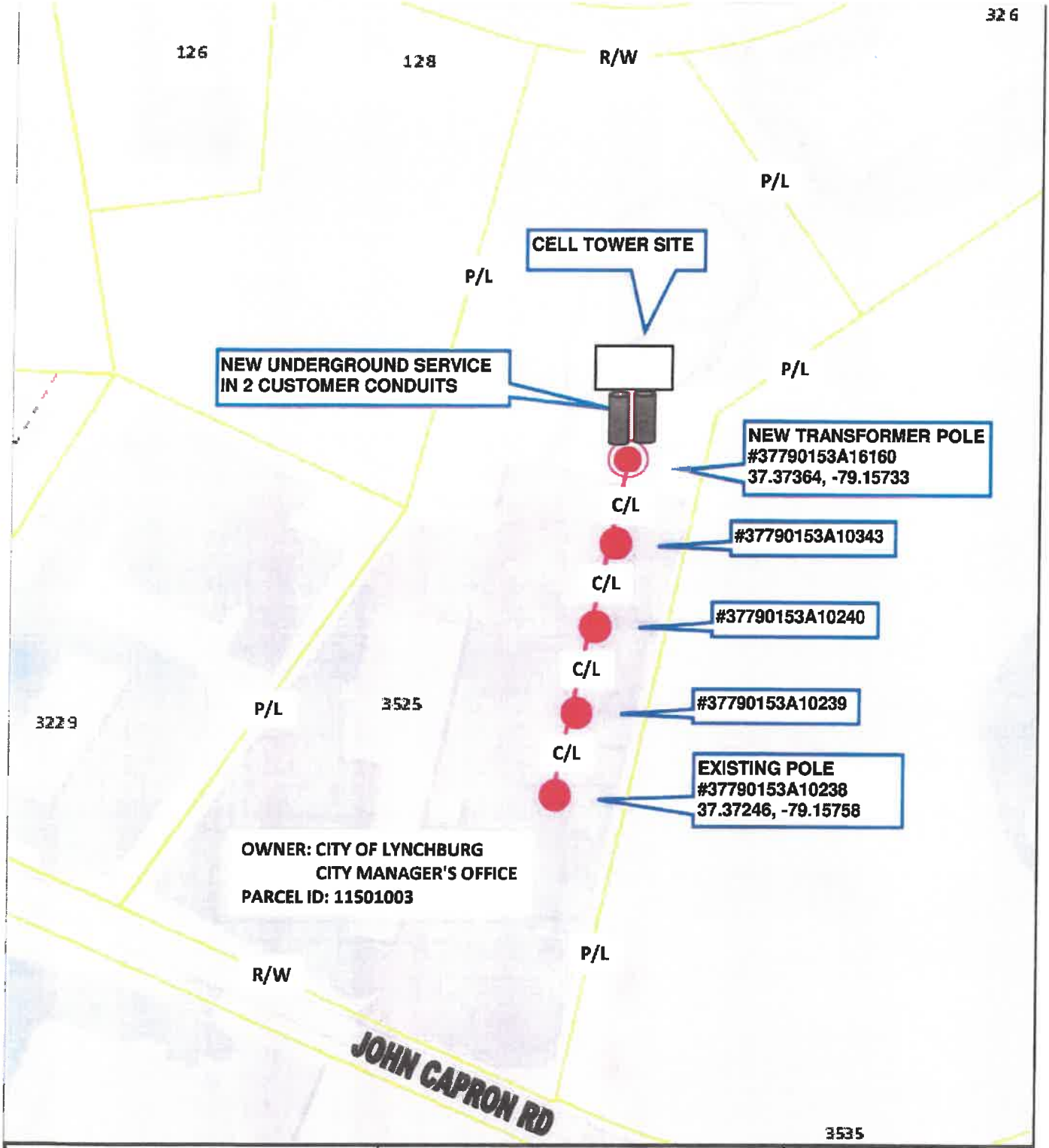
_____

Notary Registration # - _____
(For Va. Only)

GRW 252-OVHD – VA CORP
Page 2

THIS INSTRUMENT PREPARED BY AND UPON RECORDATION RETURN TO
APPALACHIAN POWER COMPANY, PO BOX 2021, ROANOKE, VIRGINIA 24022

"Exhibit A"



PROJECT: Milestone Towers Line Extension		**CITY, STATE:** Lynchburg, VA		COMPANY: APPALACHIAN POWER
		COUNTY:		DESIGNER: Scott Benson
		TOWNSHIP:		EASEMENT CENTERLINE ℄ ℄ PROPERTY LINE P/L P/L ROAD ROW R/W
WO# W003835901	**NOT TO SCALE**	APPALACHIAN POWER An AEP Company BOUNDLESS ENERGY	N	Note: This drawing was prepared based on the use of a global positioning system. All depicted GPS coordinates, property lines, span lengths, etc. are approximate.
WR# 89954228	**REVISION** 1 / **DATE** 10/2/2025			

Tax Map No(s).
11501003

ORDINANCE: **#O-26-_____**

AN ORDINANCE AUTHORIZING THE GRANT AND CONVEYANCE OF A RIGHT OF WAY AND EASEMENT TO APPALACHIAN POWER COMPANY ON PROPERTY OWNED BY THE CITY OF LYNCHBURG, VIRGINIA; MORE SPECIFICALLY 3525 JOHN CAPRON ROAD, LYNCHBURG, VA 24501

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF LYNCHBURG:

ARTICLE I. AUTHORIZATION TO GRANT
AND CONVEY RIGHT OF WAY AND EASEMENT

1. That, subject to the forty (40) year term limitation described under § 15.2-2100 of the Code of Virginia, 1950, as amended, the City Manager, on behalf of the City of Lynchburg (City), is hereby authorized to grant and convey a right of way and easement to Appalachian Power Company on property owned by the City; more specifically, 3525 John Capron Road, Lynchburg, VA 24501 (Tax Map No. 11501003). The purposes of such right of way and easement being for an electric power line or lines, and communication lines, in, on, along, through, over, under, and across the aforesaid property in relation to providing electric service to Milestone Towers Limited Partnership-V and other related uses.

2. That the City Manager is hereby authorized to execute all documents and take all actions necessary to effectuate the said right of way and easement to Appalachian Power Company.

ARTICLE II. ADOPTION OF ORDINANCE

This Ordinance was duly adopted by the Council of the City of Lynchburg, Virginia on the _____ day of _____, 20_____, and shall be effective upon adoption.

Certified:_____
Clerk of Council

ARTICLE III. ACCEPTANCE

By joining in this Ordinance through signature of its duly authorized representative, Appalachian Power Company hereby agrees to the entirety of the same as of its adoption date.

APPALACHIAN POWER COMPANY

(SEAL)

By:_____

Printed Name:_____

Its:_____

ATTEST:

By:_____

Printed Name:_____

Its:_____

AN INVITATION FOR BIDS AND A PUBLIC HEARING ADVERTISEMENT FOR AN ORDINANCE AUTHORIZING THE GRANT AND CONVEYANCE OF A RIGHT OF WAY AND EASEMENT TO APPALACHIAN POWER COMPANY ON CITY OF LYNCHBURG, VIRGINIA PROPERTY; MORE SPECIFICALLY, 3525 JOHN CAPRON ROAD, LYNCHBURG, VA 24501

The City of Lynchburg, Virginia (City) is considering granting a right of way and easement to Appalachian Power Company for a term of forty (40) years upon City-owned property, more specifically, 3525 John Capron Road, Lynchburg, VA 24501 (Tax Map No. 11501003), as provided in a proposed deed/agreement dated June 9, 2026, between the City and Appalachian Power Company. The purposes of such right of way and easement being for an electric power line or lines, and communication lines, in, on, along, through, over, under, and across the aforesaid property in relation to providing electric service to Milestone Towers Limited Partnership-V and other related uses.

Because the right of way and easement proposed to be granted and conveyed will be in excess of five (5) years, the City is advertising for bids in accordance with Section 15.2-2100 *et seq*. of the Code of Virginia, 1950, as amended. Interested parties should submit their bid in the form of a "Letter of Commitment" and a completed "Acceptance" page of the proposed ordinance described below. Such bids should be marked as "City of Lynchburg Milestone Towers Line" in an envelope delivered by hand or otherwise to the City, Attn: Clerk of Council, 900 Church Street, Lynchburg, VA 24504. All bids are due on or before 5:00 p.m., on June 8, 2026. The Clerk of Council shall publicly open and announce all bids received during the City Council's Work Session on June 9, 2026, at 4:00 p.m., or as soon thereafter as possible, in the Second Floor Training Room of the City Hall, 900 Church Street, Lynchburg, VA 24504. Bids shall further be received by the Mayor of the City thereafter during such Work Session. Where appropriate, the City Council will choose a successful bidder. The City reserves the right to reject any and all bids.

In the event a successful bidder is chosen by the City Council, a public hearing will be held before the City Council on June 9, 2026, at 7:00 p.m., or as soon thereafter as may be heard, in the Council Chamber of the City Hall, 900 Church Street, Lynchburg, VA 24504, concerning the adoption of the proposed ordinance authorizing the grant and conveyance of the right of way and easement to the successful bidder. The cost of this advertisement shall be paid by the City and reimbursed by the person to whom the grant is made. A copy of the full text of the proposed ordinance and the said deed/agreement is on file with the Clerk of Council, and both are available for review at her office at the City Hall, Council/Manager's Office, 900 Church Street, Lynchburg, VA 24504, Monday – Friday, 8:30 a.m. to 5:00 p.m. All interested persons are invited to appear at the said public hearing and present their views. Questions and/or comments may be referred to Alicia Finney, the Clerk of Council for the City of Lynchburg, Virginia, who may be contacted by phone at (434) 455-3990 or by email at alicia.finney@lynchburgva.gov.

APCO EASEMENT FOR 3525 JOHN CAPRON RD

May 12, 2026

APCO EASEMENT 3525 JOHN CAPRON RD

Purpose:

Grant a utility easement across City-owned property for Appalachian Power Company (APCO)

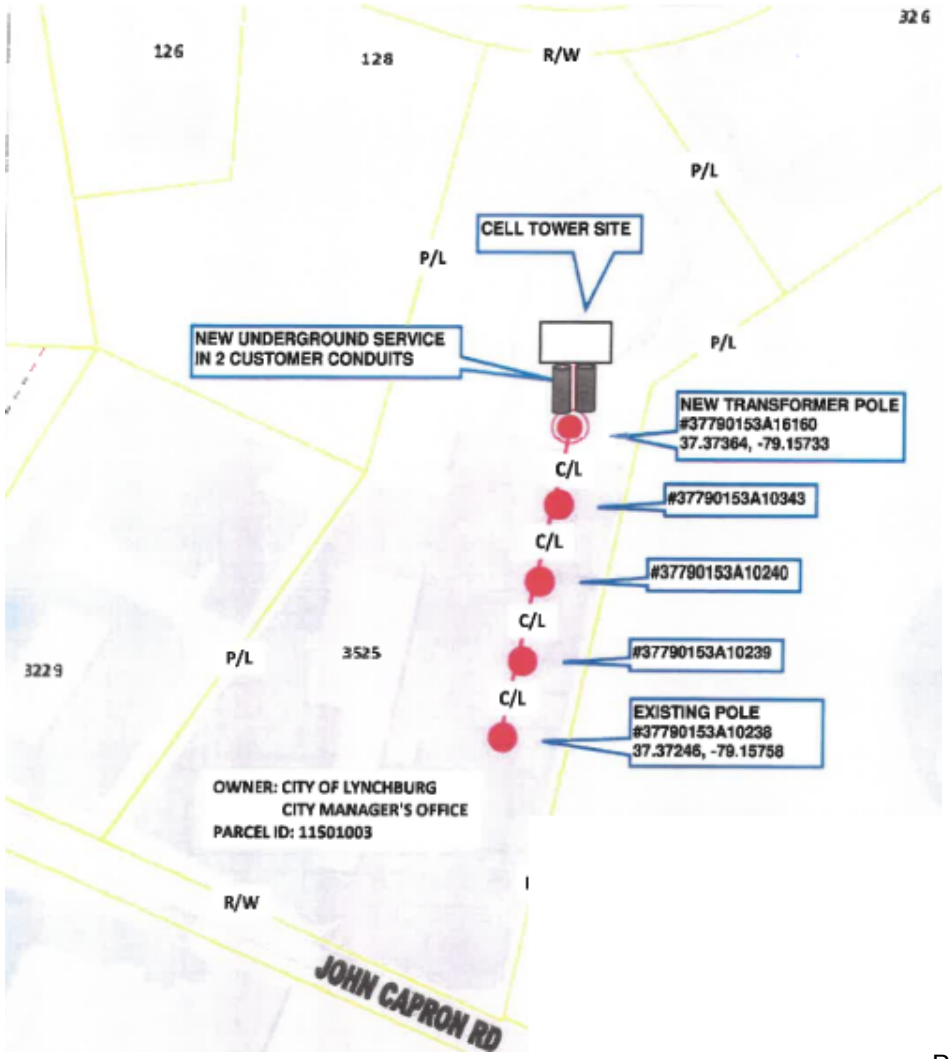
Why:

The easement is necessary for APCO to provide permanent electrical service to the improvements being constructed at 3525 John Capron Road for a Milestone Cell Tower.

THE CITY OF LYNCHBURG

APCO EASEMENT 3525 JOHN CAPRON RD

Existing Pole
Overhead Line
Underground Line



APCO EASEMENT 3525 JOHN CAPRON RD

Council will consider this item after:

- Opening bids at the June 9, 2026, Work Session
- Public hearing at the June 9, 2026, City Council meeting

THE CITY OF LYNCHBURG