

CITY OF BRUNSWICK, MD



Bid # 2025-04 – Municipal Sludge Hauling Services

Bids Due: Tuesday, April 22, 2025 by 3:00pm – mcampbell@brunswickmd.gov

Bid Opening: Tuesday, April 22, 2025 - 6:00pm

Tentative Bid Award: Tuesday, May 13, 2025 - 6:00pm

PROCUREMENT & CONTRACTING

City Hall
1 West Potomac Street
Brunswick, MD 21716

Contact:

Matt Campbell, Director of Utilities
Phone: 301-834-7500, ext. 501
mcampbell@brunswickmd.gov

1. LOCATION OF WORK:

Brunswick Waste Water Plant - 20 C&O Canal Towpath Road, Brunswick, MD 21716

2. BID QUESTIONS:

When preparing this bid all questions must be submitted by email to Matt Campbell at mcampbell@brunswickmd.gov. All questions received will be answered and circulated to all bidders on bidder's list.

3. SCOPE OF WORK:

It is the intent of this Request for Proposal to enable the City of Brunswick, herein referred to as "The City", to select a qualified contractor to provide municipal sludge hauling in Brunswick in accordance with the terms contained herein. A copy of the City's annual sludge report is incorporated as **Attachment A**. The City's Sewer Sludge Utilization Permit #2018-STR-5768 is incorporated as **Attachment B**.

1. Contractor shall provide at its own cost and expense all services, labor, material, supplies and equipment, including at least one forty (40) foot trailer and jockey truck, required for the collection and disposal of municipal sludge from the City's wastewater treatment plant as requested by City staff on an on-call, as-needed basis.
2. Contractor's removal, collection, utilization, and disposal of the City's municipal sludge will conform to all Federal, State and local laws pertaining to and necessary for the handling of said sludge.
3. Contractor shall dispose of the municipal sludge it collects at approved and licensed landfill facilities or compost facilities.
4. Contractor shall provide said service within forty-eight (48) hours of notice from City staff. All services shall be completed in a timely manner to ensure a continuous sludge removal operation as required.
5. Contractor shall provide to the City by the 10th day of each month a report of the activity from the previous month. The report shall include, but not be limited to, the date of removal of municipal sludge from the City's wastewater plant, the disposal endpoint of said sludge, the amount of sludge removed, the percent solids of sludge used in all calculations, all associated permit numbers and all disposal manifests. Further, the contractor shall provide by January 15th of each following year a report summarizing the activity of the previous year. The annual report shall include but not be limited to the same detailed information required in the monthly report and shall also include a letter on company letterhead certifying the sludge disposal locations, addresses of said locations, amounts of sludge taken to each location and permit numbers for each location. The annual letter shall be signed by the company

president certifying that all information is true and correct to the best of his knowledge.

6. Contractor shall provide overall cost per ton for required services.

Supplemental Documentation – to be submitted with bid.

1. A statement detailing the bidder's similar contract experience for the last five years. The statement shall include a description of the type of work performed, the customer/project owner's name, address, contact name, and current telephone number, start date and duration of the contract(s) and the value of the contract(s). Experience should demonstrate the bidder's knowledge and ability to perform the work required under the contract with the City.
2. A brief but informative history of the business entity or individual, including the number of years in business, other former names under which the organization has operated and the organizational structure.
3. A copy of the bidder's Maryland business license(s) authorizing it to perform the services required under the terms of the contract to be awarded, and bidder's landfill or compost facility permit.

Bid Evaluation - Bids will be evaluated on overall cost per ton for required services and supplemental documentation provided.

Term - Bid price should include a One (1) year and Three (3) year term beginning immediately.

Payment - Payment for services will be made per load, as billed by the contractor.

Site Visits - Bidders are encouraged to visit the facilities and service location covered under this request. The submission of a bid is evidence that the contractor has examined the work site, understands all work requirements, and is aware of all conditions that might impact work performance.

7. BID/PROPOSAL ACCEPTANCE:

The City reserves the right in its sole and absolute discretion to accept or reject any and all bids or proposals, in whole or in part, which it may receive as a result of this solicitation and to waive any or all minor irregularities. The City reserves the right to make a whole award, partial award, or no award at all. The City may, in its sole and absolute discretion, accept or reject any bid based upon what it deems to be in the best interest of the City. This invitation to bid shall not be considered or construed as an offer to enter into a contract and shall not be considered or construed as creating any property right or interest in the contract which may eventually be awarded.

8. COMPLIANCE WITH LAWS:

The Contractor hereby represents and warrants that it:

- a. Is qualified to do business in the State of Maryland and that it will take such action as, from time to time hereafter, may be necessary to remain so qualified.
- b. Is not in arrears with respect to the payment of any monies due and owing the City or Frederick County, including but not limited to the payment of taxes and employee benefits, and that it shall not become in arrears during the term of the contract.
- c. Shall comply with all federal, state, and local laws, ordinances, and legally enforceable rules and regulations applicable to its activities and obligations under the contract.
- d. Shall procure at its expense all licenses, permits, insurance, and governmental approvals, if any, necessary to the performance of its obligations under the contract.
- e. Agrees the facts and matters set forth hereafter in the contract and made a part hereof are true and correct.

9. HOLD HARMLESS/INDEMNIFICATION:

The Contractor shall indemnify and hold the City of Brunswick harmless from and against all liability and expenses, including reasonable attorney's fees, howsoever arising or incurred, alleging damage to property or injury to or death of any person arising out of or attributable to the Contractor's performance of the contract awarded, provided that the Contractor shall not be responsible for acts of negligence or willful misconduct committed by the City, its employees, agents and officials.

10. TERMINATION:

- a. Termination for Convenience: The performance of work under this contract may be terminated by the City in accordance with this clause in whole, or from time to time in part, whenever the City determines that such termination is in the best interest of the City. The City will pay all reasonable costs associated with this contract that the contractor has incurred up to the date of termination and all reasonable costs associated with termination of the contract. However, the Contractor will not be reimbursed for any anticipatory profits that have not been earned up to the date of termination.
- b. Termination for Default: If the Contractor fails to fulfill its obligation under this contract properly and on time or otherwise violates any provision of the contract the City may terminate the contract by written notice to the Contractor. The notice will specify the acts or omissions relied upon as cause for termination. All finished or unfinished work provided by the Contractor will at the City's option become the City's property. The City

shall pay the Contractor fair and equitable compensation for satisfactory performance prior to receipt of notice of termination, less the amount of damages caused by the Contractor's breach. If the damages are more than the compensation payable to the Contractor, the Contractor will remain liable after termination and the City can affirmatively collect damages.

11. NON-ASSIGNMENT OF CONTRACT:

Neither the City nor the Contractor shall assign, sublet, or transfer its interest or obligations under the resulting contract to any third party without the written consent of the other. Nothing here shall be construed to create any personal or individual liability upon any employee, officer, or elected official of the City, nor shall the resulting contract be construed to create any rights hereunder in any person or entity other than the parties to this contract.

12. PUBLIC INFORMATION/PROPRIETARY/CONFIDENTIAL INFORMATION:

The City operates under the Public Information Act which permits access to most records and documents. Bids will be available for public inspection after the award announcement, except to the extent that a Contractor designates trade secrets or other proprietary data to be confidential. Material designated as confidential must be readily separable from the remainder of the bid to facilitate public inspection of the non-confidential portion of the proposal. A Contractor's designation of material as confidential will not necessarily be conclusive and the Contractor may be required to provide justification that such material should not be disclosed on a request under the Maryland Access to Public Records Act, State Government Article, Sections 10-611 through 10-628, of the Annotated Code of Maryland.

13. SITE CONDITIONS:

The execution of this contract shall be considered representation that the Contractor has carefully investigated all conditions which affect or may at some future date affect the performance of the work or services covered by the solicitation the entire area to be serviced as described in the solicitation. The Contractor is fully informed concerning the conditions to be encountered, character, quality and quantity of work to be performed, and equipment and materials to be furnished. The Contractor shall also be familiar with all Federal, State, and City laws, all codes and ordinances of the City which in any way affect the performance of the work or persons engaged or employed in the work or the materials and equipment used in the work.

14. WARRANTY:

The Contractor warrants the items and services furnished to be of the highest quality, complying with the specifications and free from all defects whatsoever in workmanship and

materials for a period of one year from the date of delivery. Replacements and repairs under this warranty are to be made by the Contractor at no cost and to the satisfaction of the City. The Contractor shall perform all repairs with certified personnel. The materials supplied by the Contractor shall carry the manufacturer's standard new material warranty.

15. TAX EXEMPTION:

City of Brunswick is exempt from all local, state, and federal taxes, and prices stipulated by the Contractor are considered maximum and are not subject to increase due to any taxes, or any other reason.

16. INSURANCE REQUIREMENTS:

The Contractor shall purchase and maintain during the entire term of the contract, including any renewals thereof, the following policies of insurance acceptable to the City.

- a. Auto Liability coverage with minimum limits of:

\$1,000,000 Combined Single Limit or \$1,000,000 each person

\$1,000,000 each Accident, \$1,000,000 Property Damage

- b. Workers' Compensation coverage with minimum statutory limits:

Employer's Liability coverage of: Minimum limits of \$100,000 per Accident, \$100,000 per Employee; and \$500,000 per Policy.

- c. General Liability coverage with minimum limits of:

1,000,000 per Occurrence; \$2,000,000 General Aggregate

\$2,000,000 Products/Completed Operations Aggregate

- d. General Liability must cover Premises, Operations, and Products/Completed Operations.

General Liability policy (and any applicable Excess) must include MAYOR & COUNCIL, CITY OF BRUNSWICK, MARYLAND as an Additional Insured without abbreviations.

Additional Insured wording MUST be accompanied by the corresponding endorsements. Blanket endorsements are acceptable. Additional Insured status must include premises/operations and Products/Completed Operations and must be maintained for a minimum of 3 years after completion of contract or tail coverage must be purchased.

The Certificate Holder must be:

City of Brunswick, Maryland
One West Potomac St.
Brunswick, Maryland 21716

17. **ACKNOWLEDGMENT:** The Contractor shall include a signed acknowledgment that all terms and conditions of the offer may, at the City's option, be made applicable to any contract issued as a result of this solicitation. Proposals that do not include such acknowledgment may be rejected. Executing and returning this acknowledgment will satisfy this requirement:

The undersigned agrees that all terms and conditions of this solicitation and offer may, at the City's sole discretion, be made applicable to any contract as a result of this agreement.

SIGNATURE: _____ DATE: _____

PRINTED NAME: _____ TITLE: _____

CONTACT EMAIL ADDRESS: _____

** Signature shall be made by authorized signatory, officer or partner. The signing of this Acknowledgment shall represent that the person signing is authorized to commit the Contractor into a legal, binding contract. The City reserves the right to require documentation to verify signatory status.

18. **COMPANY INFORMATION:** The undersigned agrees to furnish and deliver the above services in accordance with the specifications issued for same, the subject to all terms, conditions, and requirements in the solicitation, and in the various solicitation documents:

LEGAL BUSINESS NAME: _____

ADDRESS: _____

PHONE: _____ EMAIL: _____

REPRESENTATIVE'S NAME: _____ PHONE: _____

PRINTED NAME OF COMPANY SIGNATORY: _____

PAYMENT TERMS: _____

Client: City of Brunswick
1 West Potomac St
Brunswick, MD 21716

Project: Brunswick Sludge TCLP Tests
2025
Site: N/A

Work order: FZA0526

Received at lab: 02/04/25 10:35
Date Reported: 02/14/25 16:28
Collected by: Eric L Norris, ID: 2302EN
Treatment: N/A

Source: Sludge
(Sludge)(Grab)

Collected: 02/04/25 06:50

Data Analyzed by: Alliance Technical Group - Akron:

| Lab ID | Parameter | Result | Units | MRL | MDL | DF | Prepared | Analyzed | Analyst | Qual | Method |
|------------|------------------------|----------|-------|---------|---------|----|----------------|----------------|---------|-------|------------|
| FZA0526-01 | TCLP Mercury | <0.00200 | mg/L | 0.00200 | 0.00200 | 1 | 02/11/25 09:20 | 02/11/25 13:23 | OK | | EPA 7470 A |
| FZA0526-01 | TCLP Arsenic(As) | <0.500 | mg/L | 0.500 | 0.500 | 1 | 02/11/25 09:13 | 02/11/25 15:11 | RJE | | EPA 6010 D |
| FZA0526-01 | TCLP Barium(Ba) | <1.00 | mg/L | 1.00 | 1.00 | 1 | 02/11/25 09:13 | 02/11/25 15:11 | RJE | J | EPA 6010 D |
| FZA0526-01 | TCLP Cadmium(Cd) | <0.100 | mg/L | 0.100 | 0.100 | 1 | 02/11/25 09:13 | 02/11/25 15:11 | RJE | | EPA 6010 D |
| FZA0526-01 | TCLP Chromium(Cr) | <0.200 | mg/L | 0.200 | 0.200 | 1 | 02/11/25 09:13 | 02/11/25 15:11 | RJE | | EPA 6010 D |
| FZA0526-01 | TCLP Lead(Pb) | <0.500 | mg/L | 0.500 | 0.500 | 1 | 02/11/25 09:13 | 02/11/25 15:11 | RJE | | EPA 6010 D |
| FZA0526-01 | TCLP Selenium(Se) | <0.0500 | mg/L | 0.0500 | 0.0500 | 1 | 02/11/25 09:13 | 02/11/25 15:11 | RJE | J | EPA 6010 D |
| FZA0526-01 | TCLP Silver(Ag) | <0.500 | mg/L | 0.500 | 0.500 | 1 | 02/11/25 09:13 | 02/11/25 15:11 | RJE | | EPA 6010 D |
| FZA0526-01 | pH, Extraction Fluid | 4.89 | s.u. | | | 1 | 02/04/25 06:50 | 02/11/25 07:52 | OIA | | EPA 9040 C |
| FZA0526-01 | pH, TCLP Extract | 4.98 | s.u. | | | 1 | 02/04/25 06:50 | 02/11/25 07:52 | OIA | | EPA 9040 C |
| FZA0526-01 | 1,2,4-Trichlorobenzene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 1,2-Dichlorobenzene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 1,2-Diphenylhydrazine | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 1,3-Dichlorobenzene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 1,4-Dichlorobenzene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 1-Methylnaphthalene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,4,5-Trichlorophenol | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,4,6-Trichlorophenol | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,4-Dichlorophenol | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,4-Dimethylphenol | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,4-Dinitrophenol | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | U QC- | EPA 8270E |
| FZA0526-01 | 2,4-Dinitrotoluene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,6-Dinitrotoluene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2-Chloronaphthalene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2-Chlorophenol | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2-Methylnaphthalene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2-Nitroaniline | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 2-Nitrophenol | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |

Sara E. Randall
Sara E. Randall, President

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
Maryland Cert. No. 116 Virginia Cert. No. 00444
West Virginia Cert. 415 MDOT WBE Cert. No.: 91-158

Client: City of Brunswick
1 West Potomac St
Brunswick, MD 21716

Project: Brunswick Sludge TCLP Tests
2025
Site: N/A

Work order: FZA0526

Received at lab: 02/04/25 10:35
Date Reported: 02/14/25 16:28
Collected by: Eric L Norris, ID: 2302EN
Treatment: N/A

Source: Sludge
(Sludge)(Grab)

Collected: 02/04/25 06:50

Data Analyzed by: Alliance Technical Group - Akron:

| Lab ID | Parameter | Result | Units | MRL | MDL | DF | Prepared | Analyzed | Analyst | Qual | Method |
|------------|------------------------------|--------|-------|-------|-------|----|----------------|----------------|---------|------|-----------|
| FZA0526-01 | 3,3'-Dichlorobenzidine | <1.93 | mg/Kg | 1.93 | 1.93 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 3-Nitroaniline | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 4,6-Dinitro-o-cresol | <1.93 | mg/Kg | 1.93 | 1.93 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 4-Bromophenyl phenyl ether | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 4-Chloroaniline | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 4-Chlorophenyl phenyl ether | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 4-Nitroaniline | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 4-Nitrophenol | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Acenaphthene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Acenaphthylene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Aniline | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Anthracene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Benzidine | <1.93 | mg/Kg | 1.93 | 1.93 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Benzo(a)anthracene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Benzo(a)pyrene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Benzo(b)fluoranthene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Benzo(g,h,i)perylene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Benzo(k)fluoranthene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Benzyl alcohol | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Bis(2-chloroethoxy)met hane | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Bis(2-chloroethyl) ether | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Bis(2-chloroisopropyl) ether | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Bis(2-ethylhexyl) phthalate | <5.78 | mg/Kg | 5.78 | 5.78 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | J | EPA 8270E |
| FZA0526-01 | Butyl benzyl phthalate | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Chrysene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |

Sara E. Randall
Sara E. Randall, President

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Maryland Cert. No. 116 Virginia Cert. No. 00444
West Virginia Cert. 415 MDOT WBE Cert. No.: 91-158

Client: City of Brunswick
1 West Potomac St
Brunswick, MD 21716

Project: Brunswick Sludge TCLP Tests
2025
Site: N/A

Work order: FZA0526

Received at lab: 02/04/25 10:35
Date Reported: 02/14/25 16:28
Collected by: Eric L Norris, ID: 2302EN
Treatment: N/A

Source: Sludge
(Sludge)(Grab)

Collected: 02/04/25 06:50

Data Analyzed by: Alliance Technical Group - Akron:

| Lab ID | Parameter | Result | Units | MRL | MDL | DF | Prepared | Analyzed | Analyst | Qual | Method |
|------------|---------------------------|--------|-------|-------|-------|----|----------------|----------------|---------|-------|-----------|
| FZA0526-01 | Dibenzo (a,h) anthracene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Dibenzofuran | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Diethyl phthalate | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Dimethyl phthalate | <1.93 | mg/Kg | 1.93 | 1.93 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Di-n-butyl phthalate | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Di-n-octyl phthalate | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Fluoranthene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Fluorene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Hexachlorobenzene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Hexachlorobutadiene | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Hexachlorocyclopentadiene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Hexachloroethane | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Indeno(1,2,3-cd)pyrene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Isophorone | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | m&p-Cresol | 7.37 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Naphthalene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Nitrobenzene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | N-Nitrosodimethylamine | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | N-Nitrosodi-n-propylamine | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | N-Nitrosodiphenylamine | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | o-Cresol | <0.578 | mg/Kg | 0.578 | 0.578 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | p-Chloro-m-cresol | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Pentachlorophenol | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | U QC- | EPA 8270E |
| FZA0526-01 | Phenanthrene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Phenol | 1.89 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | Pyrene | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |

Sara E. Randall
Sara E. Randall, President

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
Maryland Cert. No. 116 Virginia Cert. No. 00444
West Virginia Cert. 415 MDOT WBE Cert. No.: 91-158

Client: City of Brunswick
1 West Potomac St
Brunswick, MD 21716

Project: Brunswick Sludge TCLP Tests
2025
Site: N/A

Work order: FZA0526

Received at lab: 02/04/25 10:35
Date Reported: 02/14/25 16:28
Collected by: Eric L Norris, ID: 2302EN
Treatment: N/A

Source: Sludge
(Sludge)(Grab)

Collected: 02/04/25 06:50

Data Analyzed by: Alliance Technical Group - Akron:

| Lab ID | Parameter | Result | Units | MRL | MDL | DF | Prepared | Analyzed | Analyst | Qual | Method |
|------------|--------------------------|----------|-------|---------|---------|----|----------------|----------------|---------|-------|------------|
| FZA0526-01 | Pyridine | <0.963 | mg/Kg | 0.963 | 0.963 | 1 | 02/11/25 08:40 | 02/12/25 16:54 | SAMY | | EPA 8270E |
| FZA0526-01 | 1,4-Dichlorobenzene | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,4,5-Trichlorophenol | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,4,6-Trichlorophenol | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | 2,4-Dinitrotoluene | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | Cresols, Total | <0.0500 | mg/L | 0.0500 | 0.0500 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | Hexachloro-1,3-butadiene | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | Hexachlorobenzene | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | Hexachloroethane | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | Nitrobenzene | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | Pentachlorophenol | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | U QC- | EPA 8270E |
| FZA0526-01 | Pyridine | <0.0250 | mg/L | 0.0250 | 0.0250 | 1 | 02/11/25 09:15 | 02/11/25 18:40 | SAMY | | EPA 8270E |
| FZA0526-01 | Chlordane, total | <0.0250 | mg/L | 0.0250 | 0.0250 | 10 | 02/11/25 13:30 | 02/12/25 11:15 | JDB | | EPA 8081 A |
| FZA0526-01 | Endrin | <0.00500 | mg/L | 0.00500 | 0.00500 | 10 | 02/11/25 13:30 | 02/12/25 11:15 | JDB | | EPA 8081 A |
| FZA0526-01 | gamma-BHC | <0.00500 | mg/L | 0.00500 | 0.00500 | 10 | 02/11/25 13:30 | 02/12/25 11:15 | JDB | | EPA 8081 A |
| FZA0526-01 | Heptachlor | <0.00500 | mg/L | 0.00500 | 0.00500 | 10 | 02/11/25 13:30 | 02/12/25 11:15 | JDB | | EPA 8081 A |
| FZA0526-01 | Heptachlor epoxide | <0.00500 | mg/L | 0.00500 | 0.00500 | 10 | 02/11/25 13:30 | 02/12/25 11:15 | JDB | | EPA 8081 A |
| FZA0526-01 | Methoxychlor | <0.00500 | mg/L | 0.00500 | 0.00500 | 10 | 02/11/25 13:30 | 02/12/25 11:15 | JDB | | EPA 8081 A |
| FZA0526-01 | Toxaphene | <0.0500 | mg/L | 0.0500 | 0.0500 | 10 | 02/11/25 13:30 | 02/12/25 11:15 | JDB | | EPA 8081 A |
| FZA0526-01 | 2,4,5-TP | <0.500 | mg/L | 0.500 | 0.500 | 50 | 02/04/25 06:50 | 02/11/25 17:29 | BMJ | | EPA 8321B |
| FZA0526-01 | 2,4-D | <0.500 | mg/L | 0.500 | 0.500 | 50 | 02/04/25 06:50 | 02/11/25 17:29 | BMJ | | EPA 8321B |
| FZA0526-01 | 1,1-Dichloroethene | <0.250 | mg/L | 0.250 | 0.250 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |
| FZA0526-01 | 1,2-Dichloroethane | <0.250 | mg/L | 0.250 | 0.250 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |
| FZA0526-01 | Benzene | <0.250 | mg/L | 0.250 | 0.250 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |
| FZA0526-01 | Carbon tetrachloride | <0.250 | mg/L | 0.250 | 0.250 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |
| FZA0526-01 | Chlorobenzene | <2.50 | mg/L | 2.50 | 2.50 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |
| FZA0526-01 | Chloroform | <0.250 | mg/L | 0.250 | 0.250 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |

Sara E. Randall
Sara E. Randall, President

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
Maryland Cert. No. 116 Virginia Cert. No. 00444
West Virginia Cert. 415 MDOT WBE Cert. No.: 91-158

Client: City of Brunswick
1 West Potomac St
Brunswick, MD 21716

Project: Brunswick Sludge TCLP Tests
2025
Site: N/A

Work order: FZA0526

Received at lab: 02/04/25 10:35
Date Reported: 02/14/25 16:28
Collected by: Eric L Norris, ID: 2302EN
Treatment: N/A

Source: Sludge
(Sludge)(Grab)

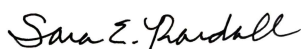
Collected: 02/04/25 06:50

Data Analyzed by: Alliance Technical Group - Akron:

| Lab ID | Parameter | Result | Units | MRL | MDL | DF | Prepared | Analyzed | Analyst | Qual | Method |
|------------|-------------------|--------|-------|-------|-------|----|----------------|----------------|---------|------|-----------|
| FZA0526-01 | MEK | <5.00 | mg/L | 5.00 | 5.00 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |
| FZA0526-01 | Tetrachloroethene | <0.250 | mg/L | 0.250 | 0.250 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |
| FZA0526-01 | Trichloroethene | <0.250 | mg/L | 0.250 | 0.250 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |
| FZA0526-01 | Vinyl chloride | <0.100 | mg/L | 0.100 | 0.100 | 50 | 02/10/25 14:45 | 02/11/25 15:46 | ALS | | EPA 8260D |

Notes and Definitions

| Item | Definition |
|-------|--|
| J | Analyte detected below quantitation limits |
| U | Samples with CalcVal < MDL |
| U QC- | See subcontractor report for details. |


Sara E. Randall, President

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Maryland Cert. No. 116 Virginia Cert. No. 00444
West Virginia Cert. 415 MDOT WBE Cert. No.: 91-158

Chain of Custody

Fredericktowne Labs, Inc
 3020 Ventrice Court
 Myersville, MD 21773
 (301) 293-3340

FZA0526

Client: City of Brunswick
Project: Brunswick Sludge TCLP Tests
Project Manager: Kelli Terembula

Sampling Site: *wwTP*

Sampling Date: *2/24/25*
Collected by: *ERIC L NORRIS 2302 FN*

PWSID:
Treatment:

FZA0526-01

| Source: Sludge | Date | Time | Ph | Cl | Temp |
|---|---------------------------|-------------|--|----------|----------|
| Matrix: Sludge Type: Grab | Sampled: <i>2/24/24</i> | <i>0650</i> | <i>-</i> | <i>-</i> | <i>-</i> |
| FZA0526-01 A Glass - Amber 1L Unp pH Sub sludge TCLP Herbicides Sub sludge TCLP Pesticides Sub sludge TCLP Semivolatiles Sub sludge TCLP Volatiles | Composite Begin: <i>-</i> | <i>-</i> | <p><i>SLUDGE SAMPLE / PRESS</i> <i>#2 DIGESTED</i></p> | | |
| | | | | | |

Iced: Yes No

Temp: *2.5*

ERIC L NORRIS *2/24/25 0700*

PARADISE 2425

945

Relinquished By

Date/Time

Received By

Date

Tom Paradise

2/24/25 1035

[Signature]

2/24/25 1035

Relinquished By

Date/Time

Received By

Date

Carlyn Elu

2.4.25 1035

Nicole Daily

2.4.25



Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

February 13, 2025

Reports
Fredericktowne Labs, Inc
PO Box 245
Myersville, MD 21773
TEL:
FAX:
RE: FZA0526

Order No.: 25020240

Dear Reports:

Alliance Technical Group - Akron received 1 sample(s) on 2/5/2025 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

A handwritten signature in black ink that reads "Jennifer Woolf". The signature is written in a cursive, flowing style.

Jennifer Woolf
Project Manager
3310 Win St.
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C



Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

Case Narrative

WO#: 25020240
Date: 2/13/2025

CLIENT: Fredericktowne Labs, Inc

Project: FZA0526

WorkOrder Narrative:

25020240: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

WorkOrder Comments:

Report supplied as Level I per client request.

Source: Sludge

SVPrep_BNATot_S(3546), Sample 25020240-001A: light sample resulting from low sample weight to volume

Analytical Sequence Sample Notes:

25020240-001A TCLP-SVOC_8270E: Possible low bias for Pentachlorophenol due to low recovery in CCV. Less than 10% of all analytes are outside of acceptable criteria. RLC demonstrates adequate instrument sensitivity for EPA 8270 requirement.

Original



*Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>*

Case Narrative

WO#: 25020240
Date: 2/13/2025

CLIENT: Fredericktowne Labs, Inc

Project: FZA0526

25020240-001A SVOC-MSTR_S(8270E): Possible low bias for 2,4-Dinitrophenol and Pentachlorophenol due to low recovery in CCV. Less than 10% of all analytes are outside of acceptable criteria. RLC demonstrates adequate instrument sensitivity for EPA 8270 requirement.

Original



Alliance Technical Group - Akron
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

Workorder
Sample Summary
WO#: 25020240
13-Feb-25

CLIENT: Fredericktowne Labs, Inc
Project: FZA0526

| Lab SampleID | Client Sample ID | Tag No | Date Collected | Date Received | Matrix |
|--------------|------------------|--------|---------------------|----------------------|--------|
| 25020240-001 | FZA0526-01 | | 2/4/2025 6:50:00 AM | 2/5/2025 10:40:00 AM | Solid |



Alliance Technical Group - Akron
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Analytical Report

(consolidated)

WO#: 25020240

Date Reported: 2/13/2025

CLIENT: Fredericktowne Labs, Inc

Collection Date: 2/4/2025 6:50:00 AM

Project: FZA0526

Lab ID: 25020240-001

Matrix: SOLID

Client Sample ID: FZA0526-01

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|---------|------|-------|----------------|------------------------------------|
| TCLP METALS, VOLATILES, SEMI-VOLATILES | | | | | SW7470A | SW7470A Analyst: OK |
| TCLP MERCURY | | | | | | |
| TCLP Mercury | ND | 0.00200 | | mg/L | 1 | 2/11/2025 1:23:00 PM |
| TCLP METALS, VOLATILES, SEMI-VOLATILES | | | | | SW6010 | SW3010A Analyst: RJE |
| TCLP METALS | | | | | | |
| TCLP Arsenic(As) | ND | 0.500 | | mg/L | 1 | 2/11/2025 3:11:00 PM |
| TCLP Barium(Ba) | ND | 1.00 | | mg/L | 1 | 2/11/2025 3:11:00 PM |
| TCLP Cadmium(Cd) | ND | 0.100 | | mg/L | 1 | 2/11/2025 3:11:00 PM |
| TCLP Chromium(Cr) | ND | 0.200 | | mg/L | 1 | 2/11/2025 3:11:00 PM |
| TCLP Lead(Pb) | ND | 0.500 | | mg/L | 1 | 2/11/2025 3:11:00 PM |
| TCLP Selenium(Se) | ND | 0.0500 | | mg/L | 1 | 2/11/2025 3:11:00 PM |
| TCLP Silver(Ag) | ND | 0.500 | | mg/L | 1 | 2/11/2025 3:11:00 PM |
| SVOC BY SW8270E | | | | | SW8270 | SW3546 Analyst: SAM |
| SVOC BY 8270E | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 1,2-Dichlorobenzene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 1,2-Diphenylhydrazine | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 1,3-Dichlorobenzene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 1,4-Dichlorobenzene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 1-Methylnaphthalene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2,4,5-Trichlorophenol | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2,4,6-Trichlorophenol | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2,4-Dichlorophenol | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2,4-Dimethylphenol | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2,4-Dinitrophenol | ND | 0.963 | QC- | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2,4-Dinitrotoluene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2,6-Dinitrotoluene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2-Chloronaphthalene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2-Chlorophenol | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2-Methylnaphthalene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| o-Cresol | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2-Nitroaniline | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 2-Nitrophenol | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | M | Manual Integration used to determine area response | ND | Not Detected |
| | PL | Permit Limit | R | RPD outside accepted recovery limits |
| | RL | Reporting Detection Limit | W | Sample container temperature is out of limit as specified at testcode |



Alliance Technical Group - Akron
 3310 Win St.
 Cuyahoga Falls, Ohio 44223
 TEL: (330) 253-8211 FAX: (330) 253-4489
 Website: <http://www.settek.com>

Analytical Report

(consolidated)

WO#: 25020240

Date Reported: 2/13/2025

CLIENT: Fredericktowne Labs, Inc

Collection Date: 2/4/2025 6:50:00 AM

Project: FZA0526

Lab ID: 25020240-001

Matrix: SOLID

Client Sample ID: FZA0526-01

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|-------|------|-------|---------------|----------------------|
| SVOC BY SW8270E | | | | | SW8270 | SW3546 |
| SVOC BY 8270E | | | | | | Analyst: SAM |
| 3,3'-Dichlorobenzidine | ND | 1.93 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| m&p-Cresol | 7.37 | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 3-Nitroaniline | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 4,6-Dinitro-o-cresol | ND | 1.93 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 4-Bromophenyl phenyl ether | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| p-Chloro-m-cresol | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 4-Chloroaniline | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 4-Chlorophenyl phenyl ether | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 4-Nitroaniline | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| 4-Nitrophenol | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Acenaphthene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Acenaphthylene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Aniline | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Anthracene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Benzidine | ND | 1.93 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Benzo(a)anthracene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Benzo(a)pyrene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Benzo(g,h,i)perylene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Benzo(k)fluoranthene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Benzo(b)fluoranthene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Benzyl alcohol | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Bis(2-chloroethoxy)methane | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Bis(2-chloroethyl) ether | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Bis(2-chloroisopropyl) ether | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Bis(2-ethylhexyl) phthalate | ND | 5.78 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Butyl benzyl phthalate | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Chrysene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Di-n-butyl phthalate | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Di-n-octyl phthalate | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Dibenzo (a,h) anthracene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Dibenzofuran | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Diethyl phthalate | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Dimethyl phthalate | ND | 1.93 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Fluoranthene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | M | Manual Integration used to determine area response | ND | Not Detected |
| | PL | Permit Limit | R | RPD outside accepted recovery limits |
| | RL | Reporting Detection Limit | W | Sample container temperature is out of limit as specified at testcode |



Alliance Technical Group - Akron
 3310 Win St.
 Cuyahoga Falls, Ohio 44223
 TEL: (330) 253-8211 FAX: (330) 253-4489
 Website: <http://www.settek.com>

Analytical Report

(consolidated)

WO#: 25020240

Date Reported: 2/13/2025

CLIENT: Fredericktowne Labs, Inc

Collection Date: 2/4/2025 6:50:00 AM

Project: FZA0526

Lab ID: 25020240-001

Matrix: SOLID

Client Sample ID: FZA0526-01

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------------------------|--------|----------|------|-------|---------------|----------------------|
| SVOC BY SW8270E | | | | | SW8270 | SW3546 |
| SVOC BY 8270E | | | | | | Analyst: SAM |
| Fluorene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Hexachlorobenzene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Hexachlorobutadiene | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Hexachlorocyclopentadiene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Hexachloroethane | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Indeno(1,2,3-cd)pyrene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Isophorone | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| N-Nitrosodi-n-propylamine | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| N-Nitrosodimethylamine | ND | 0.578 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| N-Nitrosodiphenylamine | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Naphthalene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Nitrobenzene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Pentachlorophenol | ND | 0.963 | QC- | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Phenanthrene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Phenol | 1.89 | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Pyrene | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Pyridine | ND | 0.963 | | mg/Kg | 1 | 2/12/2025 4:54:00 PM |
| Surr: 2,4,6-Tribromophenol | 67.0 | 10 - 154 | | %Rec | 1 | 2/12/2025 4:54:00 PM |
| Surr: 2-Fluorobiphenyl | 62.9 | 16 - 150 | | %Rec | 1 | 2/12/2025 4:54:00 PM |
| Surr: 2-Fluorophenol | 57.1 | 14 - 135 | | %Rec | 1 | 2/12/2025 4:54:00 PM |
| Surr: Nitrobenzene-d5 | 62.7 | 10 - 139 | | %Rec | 1 | 2/12/2025 4:54:00 PM |
| Surr: p-Terphenyl-d14 | 65.6 | 10 - 196 | | %Rec | 1 | 2/12/2025 4:54:00 PM |
| Surr: Phenol-d6 | 70.3 | 20 - 142 | | %Rec | 1 | 2/12/2025 4:54:00 PM |

| | | | | | | |
|---|----|--------|--|------|---------------|----------------------|
| TCLP METALS, VOLATILES, SEMI-VOLATILES | | | | | SW8270 | SW3510C |
| TCLP SEMI-VOLATILES ANALYSIS (SW1311/8270) | | | | | | Analyst: SAM |
| 1,4-Dichlorobenzene | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| 2,4,5-Trichlorophenol | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| 2,4,6-Trichlorophenol | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| 2,4-Dinitrotoluene | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| Cresols, Total | ND | 0.0500 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| Hexachloro-1,3-butadiene | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| Hexachlorobenzene | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| Hexachloroethane | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |

| Qualifiers: | | | | | | |
|-------------|--|--|--|----|---|--|
| E | Value above quantitation range | | | H | Holding times for preparation or analysis exceeded | |
| M | Manual Integration used to determine area response | | | ND | Not Detected | |
| PL | Permit Limit | | | R | RPD outside accepted recovery limits | |
| RL | Reporting Detection Limit | | | W | Sample container temperature is out of limit as specified at testcode | |



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Analytical Report

(consolidated)

WO#: 25020240

Date Reported: 2/13/2025

CLIENT: Fredericktowne Labs, Inc

Collection Date: 2/4/2025 6:50:00 AM

Project: FZA0526

Lab ID: 25020240-001

Matrix: SOLID

Client Sample ID: FZA0526-01

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|----------|------|----------------|----------------|-----------------------|
| TCLP METALS, VOLATILES, SEMI-VOLATILES | | | | SW8270 | SW3510C | Analyst: SAM |
| TCLP SEMI-VOLATILES ANALYSIS (SW1311/8270) | | | | | | |
| Nitrobenzene | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| Pentachlorophenol | ND | 0.0250 | QC- | mg/L | 1 | 2/11/2025 6:40:00 PM |
| Pyridine | ND | 0.0250 | | mg/L | 1 | 2/11/2025 6:40:00 PM |
| Surr: 2-Fluorophenol | 82.3 | 10 - 130 | | %Rec | 1 | 2/11/2025 6:40:00 PM |
| Surr: Phenol-d6 | 85.0 | 10 - 130 | | %Rec | 1 | 2/11/2025 6:40:00 PM |
| Surr: Nitrobenzene-d5 | 87.1 | 10 - 130 | | %Rec | 1 | 2/11/2025 6:40:00 PM |
| Surr: 2,4,6-Tribromophenol | 77.6 | 19 - 151 | | %Rec | 1 | 2/11/2025 6:40:00 PM |
| Surr: 2-Fluorobiphenyl | 93.1 | 10 - 130 | | %Rec | 1 | 2/11/2025 6:40:00 PM |
| Surr: p-Terphenyl-d14 | 92.1 | 20 - 181 | | %Rec | 1 | 2/11/2025 6:40:00 PM |
| TCLP PESTICIDES | | | | SW8081A | SW3510C | Analyst: JDB |
| TCLP PESTICIDES | | | | | | |
| Chlordane, total | ND | 0.0250 | | mg/L | 10 | 2/12/2025 11:15:00 AM |
| Toxaphene | ND | 0.0500 | | mg/L | 10 | 2/12/2025 11:15:00 AM |
| Endrin | ND | 0.00500 | | mg/L | 10 | 2/12/2025 11:15:00 AM |
| gamma-BHC | ND | 0.00500 | | mg/L | 10 | 2/12/2025 11:15:00 AM |
| Heptachlor | ND | 0.00500 | | mg/L | 10 | 2/12/2025 11:15:00 AM |
| Heptachlor epoxide | ND | 0.00500 | | mg/L | 10 | 2/12/2025 11:15:00 AM |
| Methoxychlor | ND | 0.00500 | | mg/L | 10 | 2/12/2025 11:15:00 AM |
| Surr: TCMX | 81.0 | 10 - 119 | | %Rec | 10 | 2/12/2025 11:15:00 AM |
| Surr: DCB | 72.0 | 10 - 119 | | %Rec | 10 | 2/12/2025 11:15:00 AM |
| TCLP HERBICIDES | | | | SW8321 | | Analyst: BMJ |
| TCLP HERBICIDES | | | | | | |
| 2,4-D | ND | 0.500 | | mg/L | 50 | 2/11/2025 5:29:42 PM |
| 2,4,5-TP | ND | 0.500 | | mg/L | 50 | 2/11/2025 5:29:42 PM |
| Surr: DCAA | 119 | 70 - 130 | | %Rec | 50 | 2/11/2025 5:29:42 PM |
| PH (SW9040C), TCLP EXTRACT | | | | SW9040C | | Analyst: OIA |
| PH (SW9040C), TCLP EXTRACT | | | | | | |
| pH, TCLP Extract | 4.98 | | | s.u. | 1 | 2/11/2025 7:52:00 AM |
| pH, Extraction Fluid | 4.89 | | | s.u. | 1 | 2/11/2025 7:52:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | M | Manual Integration used to determine area response | ND | Not Detected |
| | PL | Permit Limit | R | RPD outside accepted recovery limits |
| | RL | Reporting Detection Limit | W | Sample container temperature is out of limit as specified at testcode |

Original



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Analytical Report

(consolidated)

WO#: 25020240

Date Reported: 2/13/2025

CLIENT: Fredericktowne Labs, Inc

Collection Date: 2/4/2025 6:50:00 AM

Project: FZA0526

Lab ID: 25020240-001

Matrix: SOLID

Client Sample ID: FZA0526-01

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|--------|----------|------|---------------|----------------|----------------------|
| TCLP METALS, VOLATILES, SEMI-VOLATILES | | | | SW8260 | SW1311M | Analyst: ALS |
| TCLP VOLATILES | | | | | | |
| 1,1-Dichloroethene | ND | 0.250 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| 1,2-Dichloroethane | ND | 0.250 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| MEK | ND | 5.00 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| Benzene | ND | 0.250 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| Carbon tetrachloride | ND | 0.250 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| Chlorobenzene | ND | 2.50 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| Chloroform | ND | 0.250 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| Tetrachloroethene | ND | 0.250 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| Trichloroethene | ND | 0.250 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| Vinyl chloride | ND | 0.100 | | mg/L | 50 | 2/11/2025 3:46:00 PM |
| Surr: 4-Bromofluorobenzene | 101 | 70 - 130 | | %Rec | 50 | 2/11/2025 3:46:00 PM |
| Surr: Dibromofluoromethane | 102 | 70 - 130 | | %Rec | 50 | 2/11/2025 3:46:00 PM |
| Surr: Toluene-d8 | 101 | 70 - 130 | | %Rec | 50 | 2/11/2025 3:46:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | M | Manual Integration used to determine area response | ND | Not Detected |
| | PL | Permit Limit | R | RPD outside accepted recovery limits |
| | RL | Reporting Detection Limit | W | Sample container temperature is out of limit as specified at testcode |

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

| | |
|--------------|---|
| U | The compound was analyzed for but was not detected above the MDL. |
| J | The reported value is greater than the Method Detection Limit but less than the Reporting Limit. |
| H | The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant. |
| D | The result is reported from a dilution. |
| E | The result exceeded the linear range of the calibration or is estimated due to interference. |
| MC | The result is below the Minimum Compound Limit. |
| * | The result exceeds the Regulatory Limit or Maximum Contamination Limit. |
| m | Manual integration was used to determine the area response. |
| d | Manual integration in which peak was deleted |
| N | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response. |
| P | The second column confirmation exceeded 25% difference. |
| C | The result has been confirmed by GC/MS. |
| X | The result was not confirmed when GC/MS Analysis was performed. |
| B | The analyte was detected in the Method Blank at a concentration greater than the RL. |
| MB+ | The analyte was detected in the Method Blank at a concentration greater than the MDL. |
| G | The ICB or CCB contained reportable amounts of analyte. |
| QC-/+ | The CCV recovery failed low (-) or high (+). |
| R/QDR | The RPD was outside of accepted recovery limits. |
| QL-/+ | The LCS or LCSD recovery failed low (-) or high (+). |
| QLR | The LCS/LCSD RPD was outside of accepted recovery limits. |
| QM-/+ | The MS or MSD recovery failed low (-) or high (+). |
| QMR | The MS/MSD RPD was outside of accepted recovery limits. |
| QV-/+ | The ICV recovery failed low (-) or high (+). |
| S | The spike result was outside of accepted recovery limits. |
| W | Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant. |
| Z | Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information |

Acronyms

| | | | |
|-------------|-------------------------------------|---------------|--------------------------------------|
| ND | Not Detected | RL | Reporting Limit |
| QC | Quality Control | MDL | Method Detection Limit |
| MB | Method Blank | LOD | Level of Detection |
| LCS | Laboratory Control Sample | LOQ | Level of Quantitation |
| LCSD | Laboratory Control Sample Duplicate | PQL | Practical Quantitation Limit |
| QCS | Quality Control Sample | CRQL | Contract Required Quantitation Limit |
| DUP | Duplicate | PL | Permit Limit |
| MS | Matrix Spike | RegLvl | Regulatory Limit |
| MSD | Matrix Spike Duplicate | MCL | Maximum Contamination Limit |
| RPD | Relative Percent Different | MinCL | Minimum Compound Limit |
| ICV | Initial Calibration Verification | RA | Reanalysis |
| ICB | Initial Calibration Blank | RE | Reextraction |
| CCV | Continuing Calibration Verification | TIC | Tentatively Identified Compound |
| CCB | Continuing Calibration Blank | RT | Retention Time |
| RLC | Reporting Limit Check | CF | Calibration Factor |

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



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DATES REPORT

WO#: 25020240
 13-Feb-25

Client: Fredericktowne Labs, Inc
Project: FZA0526

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Leachate Date | Prep Date | Analysis Date |
|---------------|------------------|---------------------|--------|--|----------------------|----------------------|-----------------------|
| 25020240-001A | FZA0526-01 | 2/4/2025 6:50:00 AM | Solid | pH (SW9040C), TCLP Extract | | | 2/11/2025 7:52:00 AM |
| | | | | SVOC by 8270E | | 2/11/2025 8:40:00 AM | 2/12/2025 4:54:00 PM |
| | | | | SVOC by 8270E | | 2/11/2025 8:40:00 AM | 2/11/2025 3:23:00 PM |
| | | | | TCLP Herbicides | | | 2/11/2025 5:29:42 PM |
| | | | | TCLP Mercury | 2/10/2025 3:52:00 PM | 2/11/2025 9:20:00 AM | 2/11/2025 1:23:00 PM |
| | | | | TCLP Metals | 2/10/2025 3:52:00 PM | 2/11/2025 9:13:00 AM | 2/11/2025 3:11:00 PM |
| | | | | TCLP Pesticides | 2/10/2025 3:52:00 PM | 2/11/2025 1:30:00 PM | 2/12/2025 11:15:00 AM |
| | | | | TCLP Semi-Volatiles Analysis (SW1311/8270) | 2/10/2025 3:52:00 PM | 2/11/2025 9:15:00 AM | 2/11/2025 6:40:00 PM |
| | | | | TCLP Volatiles | | 2/10/2025 2:45:00 PM | 2/11/2025 3:46:00 PM |

Original

25020240

Sending Laboratory:

Fredericktowne Labs
 3020 Ventrue Court
 Myersville, MD 21773
 Phone: 3012933340
 Fax: 3012933340

 Project Manager: Kelli Terembula

Subcontracted Laboratory:

Summit Environmental Technologies, Inc
 3310 Win St.
 Cuyahoga Falls, OH 44223
 Phone: (330) 253-8211

Work Order: FZA0526

Reports must include sample ID, source and regulatory ID.

Sample ID: FZA0526-01 Sludge Grab

Collected: 02/04/25 06:50

Source: Sludge

Collected by: Eric L Norris, ID: 2302EN

Regulatory ID:

Regulatory State: MD

| Analysis | Due | Comments |
|-------------------------------|------------|--------------------------|
| Sub sludge TCLP Herbicides | 02/13/2025 | |
| Sub sludge TCLP Pesticides | 02/13/2025 | |
| Sub sludge TCLP Semivolatiles | 02/13/2025 | 625 Total Toxic Organics |
| Sub sludge TCLP Volatiles | 02/13/2025 | |
| pH | 02/13/2025 | TCLP PH |

Containers Supplied:
 Glass - Amber 1L Unp (A)

Nicole Daily

Released By

2.4.25
 Date

ipennm.
 Received By

2/5/25
 Date

Released By

Date

Page 12 of 14

1040 Fedex 2.8-0.0 = 2.8
 Received By

Date



Sample Log-In Check List

Client Name: FRE-MD-21773

Work Order Number: 25020240

RcptNo: 1

| | | | |
|---------------|--------------------|----------------------|--------------------------|
| Logged by: | Anthony W. Britton | 2/5/2025 10:40:00 AM | <i>Anthony Britton</i> |
| Completed By: | Anthony W. Britton | 2/5/2025 3:10:52 PM | <i>Anthony Britton</i> |
| Reviewed By: | Jennifer Woolf | 2/5/2025 3:22:01 PM | <i>Jennifer M. Woolf</i> |

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? FedEx

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 Custody seals intact on shipping container/cooler? Yes No Not Present
 No. Seal Date: Signed By:
 5. Was an attempt made to cool the samples? Yes No NA
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 7. Sample(s) in proper container(s)? Yes No
 8. Sufficient sample volume for indicated test(s)? Yes No
 9. Are samples (except VOA and ONG) properly preserved? Yes No
 10. Was preservative added to bottles? Yes No NA
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No No VOA Vials
 12. Were any sample containers received broken? Yes No
 13. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 14. Are matrices correctly identified on Chain of Custody? Yes No
 15. Is it clear what analyses were requested? Yes No
 16. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

18. Additional remarks:
 625 Total Toxic Organics?

Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---------------|---------|-----------|-------------|---------|-----------|-----------|
| Page 13 of 14 | | | | | | |



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Website: <http://www.settek.com>

Sample Log-In Check List

Client Name: FRE-MD-21773

Work Order Number: 25020240

RcptNo: 1

MARYLAND DEPARTMENT OF THE ENVIRONMENT



Larry Hogan
Governor

Land and Materials Administration • Resource Management Program
1800 Washington Boulevard • Suite 610 • Baltimore, Maryland 21230-1719
410-537-3314 • 800-633-6101 x3314 • www.mde.maryland.gov



Ben Grunbles
Secretary

Sewage Sludge Utilization Permit Number: 2018-STR-5768

ISSUE DATE: September 19, 2018

EXPIRATION DATE: September 18, 2028

Issued to: City of Brunswick

Authorizing: The transportation of sewage sludge as specified in this permit

From: The Brunswick Wastewater Treatment Plant located in Frederick County

To: Maryland State Line to be utilized at permitted sites in Pennsylvania

This permit is renewed pursuant to the provisions of Title 9 of the Environment Article, Annotated Code of Maryland, and regulations promulgated thereunder, and is subject to the attached terms and conditions, and compliance with all applicable laws and regulations.

A handwritten signature in black ink, appearing to read "C. John Sullivan III".

C. John Sullivan III, Program Manager
Resource Management Program



Maryland

Department of the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor
Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

September 19, 2018

Patrick Hoffmaster
City of Brunswick
1 West Potomac Street
Brunswick, MD 21716

Dear Mr. Hoffmaster:

Enclosed is Maryland Sewage Sludge Utilization (SSU) Permit No. **2018-STR-5768**, which is issued in accordance with your renewal application of March 8, 2018. This permit supersedes and replaces SSU Permit No. 2014-STR-5768.

Please note that this permit is subject to the enclosed terms and conditions. This permit may be appealed by filing a written request for a hearing within thirty (30) calendar days of receipt of this permit. The request should be addressed to Ms. Kaley Laleker, Acting Director, Land and Materials Administration, at the Department's address. You will subsequently be contacted regarding a hearing date. All permit hearings will be conducted in accordance with the Administrative Procedure Act. If no appeal is received within the specified time period, this will constitute acceptance of the terms and conditions of this permit.

If you have any questions, please call Mr. Vimal Amin, Project Manager, Biosolids Division, at (410) 537-3314.

Sincerely,

A handwritten signature in black ink that reads "C. John Sullivan III".

C. John Sullivan III
Program Manager
Resource Management Program

Enclosure

cc: Thomas Sweeney, Pennsylvania Department of Environmental Protection (w/encl.)
Kaley Laleker, Acting Director, Land and Materials Administration
Brian Coblentz, Chief, Solid Waste Program Compliance Division (w/encl.)

This permit is granted in accordance with the referenced documents in Part I, and subject to the terms and conditions specified in Parts II and III of this permit as follows:

Part I: Referenced Documents - Permit application, plans and specifications and other pertinent documents submitted to the Department:

1. Sewage Sludge Utilization (SSU) Permit Application and supporting documents submitted by City of Brunswick, dated January 27, 2014 and received on February 12, 2014.
2. Revised SSU Permit Application form submitted by City of Brunswick, dated March 3, 2014 and received on March 5, 2014.
3. SSU Permit Renewal Application and supporting documents submitted by City of Brunswick, dated March 8, 2018 and received on August 7, 2018.

Part II: Site Specific Conditions (Applicable to Sewage Sludge Transportation) - conditions which amend all other permit conditions applicable to this activity should any discrepancies or conflicts exist.

Transportation Authorization:

1. This permit authorizes only the transportation of aerobically digested sewage sludge generated by the Brunswick Wastewater Treatment Plant to the Maryland State Line to be utilized at permitted sites in Pennsylvania in accordance with the laws and regulations of the receiving state.
2. The permittee shall not transport sewage sludge to destinations other than authorized by this permit, including out-of-State, without first obtaining a separate SSU Permit issued by the Department.

Part III: General Conditions (Applicable to Sewage Sludge Transportation) - conditions which are generally applicable to transportation of sewage sludge.

A. Property Rights:

The issuance of this permit does not intend to convey any property rights in either real or personal property, or any exclusive privilege or franchise, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, State or local laws or regulations.

B. Suspension or Revocation:

1. This permit may be suspended or revoked if the permittee lacks, or is in violation of, any federal, State or local approval necessary to conduct the activity authorized by this permit.
2. The Department may suspend, revoke, or modify this permit if the Department finds that:
 - a. False or inaccurate information was contained in the permit application, the information and forms required as part of the permit application, or the information required under the permit;
 - b. There has been a substantial deviation from:
 - i. The documents accepted by the Department as part of this permit application; or
 - ii. Any requirement established by the Department;
 - c. A representative of the Department has been denied entry to any area in which activities regulated by this permit are conducted or to any documents required to be maintained by this permit;
 - d. Conditions exist which constitute a health nuisance or danger to the environment, or result in persistent or repeated odors;
 - e. The permittee has been negligent or incompetent in the utilization of sewage sludge;
 - f. There is or has been a violation of the terms and conditions of this permit or any applicable State law or regulation; or
 - g. There is any other good cause.

C. Civil or Criminal Liability:

Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from civil or criminal responsibilities and/or penalties for non-compliance with Title 9 of the Environment Article, Annotated Code of Maryland, or any federal, local or other State laws or regulations.

D. Right of Entry:

The permittee shall ensure that the Secretary of the Maryland Department of the Environment, or the local health official, or their authorized representatives are permitted, at reasonable times and upon presentation of credentials to:

1. Enter upon the permittee's premises or where any records are required to be kept under the terms and conditions of this permit;
2. Have access to and copy any records required to be kept under the terms and conditions of this permit;
3. Inspect any collection, transport vehicles, treatment, pollution management, or control facilities required under this permit;
4. Perform any activities to determine compliance status with the terms and conditions of this permit or the applicable regulations; and
5. Obtain any photographic documentation or evidence.

E. Transportation:

1. The permittee is authorized to transport sewage sludge as specified in the SSU Permit Application and its supporting documents referenced in Part I of this permit.
2. The haul route shall be in accordance with a plan as specified in the SSU Permit Application and its supporting documents referenced in Part I of this permit.
3. Liquid sewage sludge (with solids content less than 15%) may be pumped and transported by pipeline. If liquid sewage sludge is transported by truck, rail, or barge, the permittee shall use closed watertight vessels such as tank trucks and railroad tank cars.
4. Sewage sludge cake with solids content between 15 and 20% may be transported in watertight boxes, such as dump trucks or dump trailers properly sealed to prevent leaks, or closed body vehicles (such as concrete

mixer trucks). When sewage sludge cake is transported in dump trucks or dump trailers, the permittee shall comply with the following standards:

- a. The trucks shall be equipped with metal splash guards firmly attached horizontally at the front and rear of the trailer;
 - b. Each splash guard shall cover at least 25% of the trailer's open area and have no gaps through which sewage sludge may escape; and
 - c. A minimum two feet of freeboard shall be maintained between the sewage sludge and the top of the trailer unless the top of the trailer is completely sealed.
5. Sewage sludge cake with solids content between 20 and 35% may be transported in watertight boxes, such as dump trucks or dump trailers properly sealed to prevent leaks, or closed body vehicles (such as concrete mixer trucks). When sewage sludge cake is transported in dump trucks or dump trailers, the permittee shall comply with the following standards:
- a. The permittee shall ensure that the transporting trucks are equipped with metal splash guards firmly welded horizontally to the front and rear body of the trailer. Each splash guard shall cover at least four feet of the length of the trailer. No gaps through which sewage sludge may escape shall exist between the splash guards and the trailer body;
 - b. A medium to heavy-duty solid vinyl tarp shall cover the open area of the trailer and shall overlap the splash guards horizontally by a minimum of one foot. The tarp shall be drawn tightly across the top of the trailer and be firmly held in place with straps that are attached to ratchets bolted to the trailer. The tarp shall cover the top of the trailer so that there is no vertical gap through which sewage sludge may escape between the tarp and the sides of the trailer, or the tarp and the splash guards;
 - c. For sewage sludge cake with solids content between 20 and 25%, a minimum of two feet of freeboard must be maintained between the sewage sludge and the top of the transport vehicle.
 - d. For sewage sludge cake with solids content between 25 and 35%, a minimum of one foot of freeboard must be maintained between the sewage sludge and the top of the transport vehicle.

6. Dried sewage sludge (with solids content greater than 35%) may be transported in open boxes, such as dump trucks, which are properly sealed to prevent leakage. The permittee shall cover the trucks with tarps or the equivalent.
7. The permittee shall clean the transport vehicle(s) on site to prevent drag-out of dirt or sewage sludge onto public roads. In the event dirt or sewage sludge is tracked out onto the roads, the permittee shall immediately initiate clean-up activities.
8. The permittee shall have available in the cab of each transport vehicle(s) a copy of page one of this SSU Permit, and a copy of the sewage sludge analysis report that was submitted to the Department as part of this permit application submittal.

F. Spill Control:

1. The permittee shall report to the Department, within one hour of becoming aware of its occurrence, any spills or unauthorized discharges of sewage sludge occurring either in transit or due to site conditions at either (410) 537-3315 during working hours, or at (866) 633-4686 during non-working hours.
2. In the event of a spill, the permittee shall ensure that cleanup procedures are initiated as soon as possible, but no later than two hours after becoming aware of the spill. The permittee shall complete the cleanup to the satisfaction of the Department.

G. Recordkeeping and Reporting Requirements:

1. The permittee shall keep all records required by this permit and the following information:
 - a. The source(s) and type(s) of sewage sludge that was transported;
 - b. The quantity, including documentation, of the sewage sludge that was transported;
 - c. The types of treatment the transported sewage sludge received;
 - d. The dates of transportation of treated and untreated sewage sludge;
 - e. The destinations and final utilization of treated and untreated sewage sludge;
 - f. Descriptions of problems encountered and their solutions;

- g. Other related information regarding transportation of sewage sludge as required by this permit; and
 - h. Other information as requested by the Department.
2. The permittee shall submit these records to the Department by **February 15** of each year this permit is in effect on the form provided by the Department.
 3. The permittee shall maintain all records required by this permit for a period of ten years after generation of the records.
 4. The permittee shall submit all reports required by this permit to:

**Maryland Department of the Environment
Land and Materials Administration
Resource Management Program
1800 Washington Boulevard, Suite 610
Baltimore, Maryland 21230-1719.**

H. Modification:

Any modification to this activity must be approved by the Department in writing before implementation by the permittee.

I. Application for Renewal:

At least two calendar weeks before the expiration date of this permit, unless the Department has granted permission for a later date, the permittee shall submit an application for a permit renewal or notify the Department of the intent to cease operating by the expiration date. In the event that a timely and complete permit renewal application has been submitted and the Department is unable, through no fault of the permittee, to issue a permit renewal before the expiration date of this permit, the terms and conditions of this permit are automatically continued and remain fully effective and enforceable until a new permit is issued or a determination is made on the status of the renewal application.

J. Transfer of Permit or Ownership:

1. This permit is only valid for the permittee named unless the Department has transferred the permit in writing after a request by the permittee under Code of Maryland Regulations (COMAR) 26.04.06.72.
2. Within 30 calendar days of any change in control or ownership of the property, the permittee shall provide the succeeding owner(s), by certified

mail, with a copy of this permit, and notify the succeeding owner(s) of any outstanding permit noncompliance. At the same time, the permittee shall provide the Department with a copy of the notification.

K. Compliance:

1. The permittee shall comply with the terms and conditions of this permit, and with all applicable federal, local and State laws and regulations.
2. If for any reason the permittee does not comply or is unable to comply with any of the terms or conditions of this permit, the permittee shall notify the Department at (410) 537-3315 on the same day or on the next working day, following any noncompliance. Within five (5) calendar days after this notification, the permittee shall provide the Department with the following information in writing:
 - a. Description of the noncompliance, including dates, time, and type of noncompliance;
 - b. Cause of the noncompliance;
 - c. Anticipated time the noncompliance is expected to continue or if such condition has been corrected;
 - d. Steps taken by the permittee to correct the noncompliance; and
 - e. Steps to be taken by the permittee to prevent recurrence of the noncompliance.
3. If the permittee discovers through any means, including notification by the Department, that a noncompliance with any condition of this permit has occurred, the permittee shall immediately take all necessary steps to eliminate the condition of noncompliance and to minimize the adverse impact on public health, safety, welfare, or the environment.
4. If the permittee discovers that a noncompliance with any condition of this permit has affected the public health, safety, welfare, or the environment, the permittee shall immediately notify the Department.

L. Severability:

If any provision of this permit shall be held invalid for any reason, the remaining provisions shall remain in full force and effect, and such invalid provision shall be considered severed and deleted from this permit.

M. Signatory Requirements:

All applications, request for modifications or transfer, renewal requests, reports, or information submitted to the Department shall be signed and verified in accordance with Section 1-201 of the Environment Article, Annotated Code of Maryland, by the permittee or authorized representative of the permittee as being true.