134 Greenridge Drive, Manlius, NY 13104

4 November 2024

Melissa Sweet, P.E.
Professional Engineer I
Division Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7016

Via Email: melissa.sweet@dec.ny.gov

RE: Corrective Measures Completion Report: Emergency Drainage Ditch Repair
Former Mohasco Mills Complex
Lyon Street & Forest Avenue Amsterdam, New York
Site No. B-00052-4

Dear Ms. Sweet:

James Environmental Management (JEM) has prepared this Corrective Measures Completion Report (CMCR) on behalf of Sticker Mule LLC (Sticker Mule) for the Former Mohasco Mills Complex on Lyon Street and Forest Avenue, Amsterdam, Montgomery Couty (the Site). The Site location is shown on Figure 1. This CMCR was prepared as response to correspondences from New York State Department of Environmental Conservation (NYSDEC) dated 31 May 2024 and 15 July 2024 related to a disturbance of the soil cover that is part of a cap that had been constructed at the Site as part of engineering controls (ECs) for the Site.

BACKGROUND

Manufacturing occurred at the Site until about 1984, the Site was used as office and warehouse space for a short time thereafter. In 1992 (and again in 1994) most of the buildings at the Site were destroyed by fires. The debris from the buildings destroyed by the fires was left on-site and was used to backfill the building foundations. The City of Amsterdam acquired the former Mohasco Mills property in 1994 and performed site investigation and remediation under the New York State Environmental Restoration Program (ERP). A Record of Decision (ROD) was signed for the Site in March, 2001. The ROD called for removal of debris and impacted soil from the bank of North Chuctanunda Creek, building demolition, placement of geotextile over impacted material, and placement of a two-foot-thick cover of clean soil over areas of impacted soil and debris. The extent of soil cover is shown on Figure 2. The remedial design was subsequently approved in September 2005, and the Site was remediated in the summer and fall of 2006. NYSDEC placed an environmental easement on the property on 20 April 2011 and a Certificate of Completion (CoC) was awarded to the City of Amsterdam Industrial Development Agency in August 2011. The property was subsequently sold to the current owner (Sticker Mule, LLC) in January 2019 and the CoC was transferred to Sticker Mule in July 2019.

2024 SOIL COVER BREACH

In early spring 2024, flooding occurred on Lyon Street immediately northeast of the Site. To mitigate the flooding in the street, deemed to be a safety hazard, the City of Amsterdam constructed a temporary drainage ditch across a portion of the Site to direct water to North Chuctanunda Creek. Due to the emergency nature of the work, the property owner (Sticker Mule) and NYSDEC were not informed of the work until after completion. The structure was never intended to be permanent. Unfortunately, subsequent flooding made the drainage trench deeper and wider than intended, eroding a portion of the cap that is part of the EC.

CORRECTIVE MEASURES

A qualified contractor retained by the City of Amsterdam, Pareene Contracting Inc. (Pareene), under the oversight of JEM's Qualified Environmental Professional (QEP) as defined in 6 NYCRR Part 375, performed the work summarized below in accordance with the Corrective Measures Work Plan (CMWP) dated 18 July 2024. Work was conducted on 9 October 2024.

Initial Site inspections indicated that the geotextile demarcation marker (previously placed above protected soil and fill) had not been compromised. The area was inspected by the QEP to determine if the demarcation marker has been exposed or damaged. Pareene carefully excavated several 'test pits' in the base of the ditch to reveal the demarcation layer. It was determined that the base of the ditch was about one foot above the demarcation layer and that the demarcation layer (consisting of geotextile filter fabric) had not been compromised.

After the competence of the demarcation layer was confirmed, rip rap, fabric, and other materials that were temporarily placed in the ditch as an emergency measure were removed for off-site disposal as used construction material. Crushed stone (#2 size) was then placed the entire length of the ditch to within six inches of finished grade. The stone was compacted using a hydraulic tamper and geotextile was placed over the crushed stone. Six inches of topsoil were placed over the geotextile, graded and seeded to match surroundings. Straw mulch was placed over the seeded area to protect the seeding. Attached Figures 3 and 4 present backfill details.

Please note that, prior to import and placement of stone and soil, the soil was sampled and submitted to a NYSDOH-approved analytical laboratory for the following analyses: Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semi-Volatile Organic Compounds (SVOCs), RCRA metals, Polychlorinated Biphenyls (PCBs), Pesticides, Per-and polyfluoroalkyl substances (PFAS), and 1,4-dioxane. The soil was sampled at a rate dependent upon the volume of material to be placed on-site as specified in NYSDEC DER-10 Table 5.4(e)10. Those results were compared to DER-10 Appendix 5, Commercial Use soil cleanup objectives and JEM determined that the material was acceptable for the intended use. The completed DEC form "*Request to Import/Reuse Fill or Soil*" along with analytical results (attached), based on DER-10, was submitted to DEC for approval prior to importing any fill material (stone or soil) to the Site. Laboratory analyses of the #2 stone was not required as the aggregate contained less than 10%, by weight, material that passes a size 100 sieve.

NYSDEC approved the material for use prior to placement; approval documentation is provided in Attachment A.

The sloped area south of the temporary trench was restored by reseeding and placement of an erosion control blanket to prevent erosion until vegetation is established. Silt fence was placed at the top and base of the slope.

A catch basin located at the base of the slope south of the temporary trench had been damaged by flooding (see attached photograph showing the area prior to repair). That feature was repaired by the City of Amsterdam and subsequently inspected by the QEP (see attached photograph showing the repaired feature).

Trench restoration was completed on October 9 2024. The work used a total of 18.02 tons of approved #2 crushed stone (receipt attached) and an estimated 10 CY of approved topsoil. Photograph documentation of restoration activities is provided in the attached photolog (Attachment B).

If you have any questions regarding this CMCR, please contact me at 315-263-3388 or by email: jfblasting@james-em.com. Upon approval, please issue a letter indicating acceptance of this report. Thank you.

Respectfully;
James Environmental Management

James F. Blasting

James F. Blasting, P.G.
Principal

Attachments

I, Michael A. Clark, certify that I am currently a NYS registered professional engineer and that this Corrective Measures Completion Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

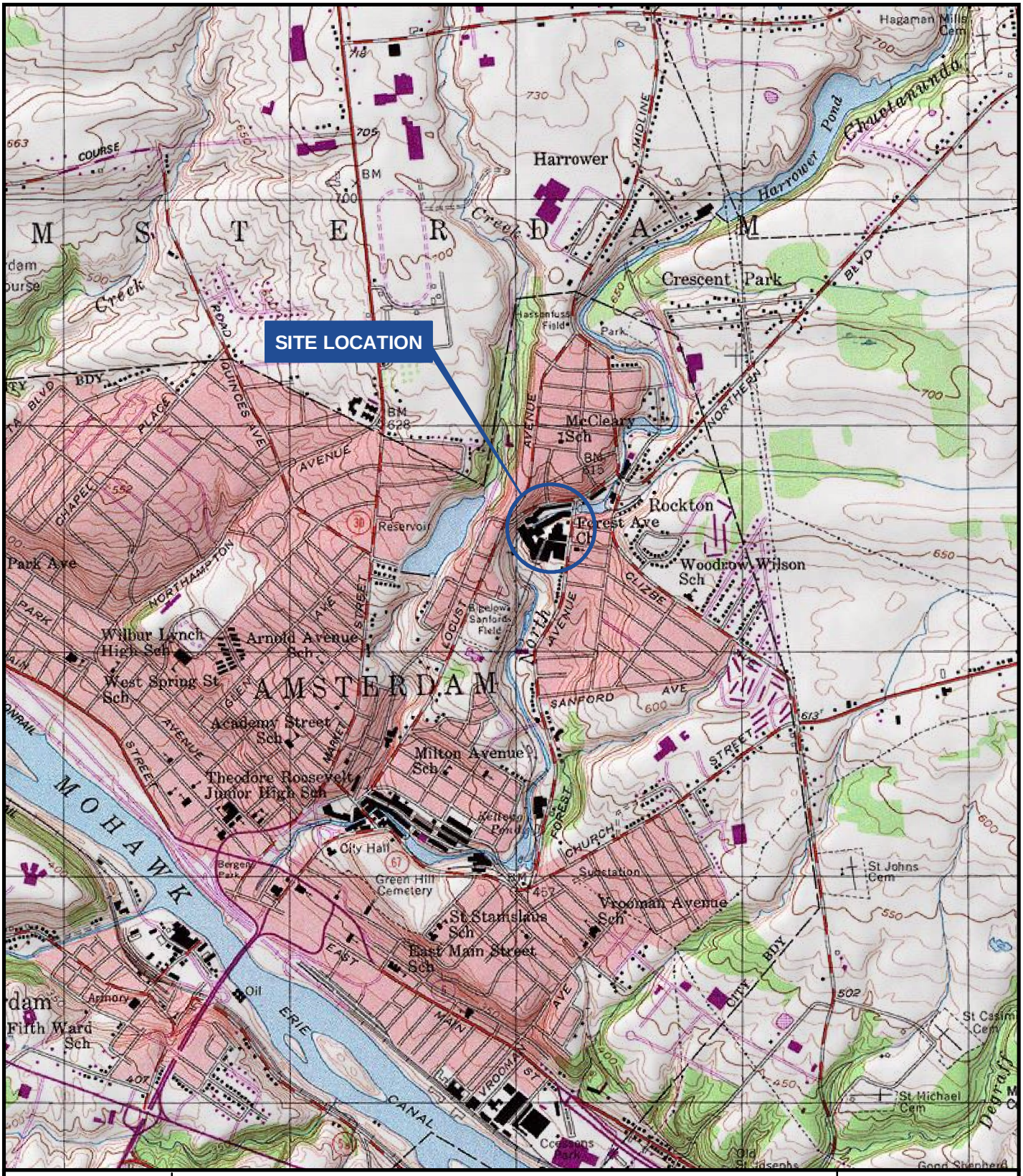
STATE OF NEW YORK
MICHAEL A. CLARK
068310
LICENSED PROFESSIONAL ENGINEER

Michael A. Clark

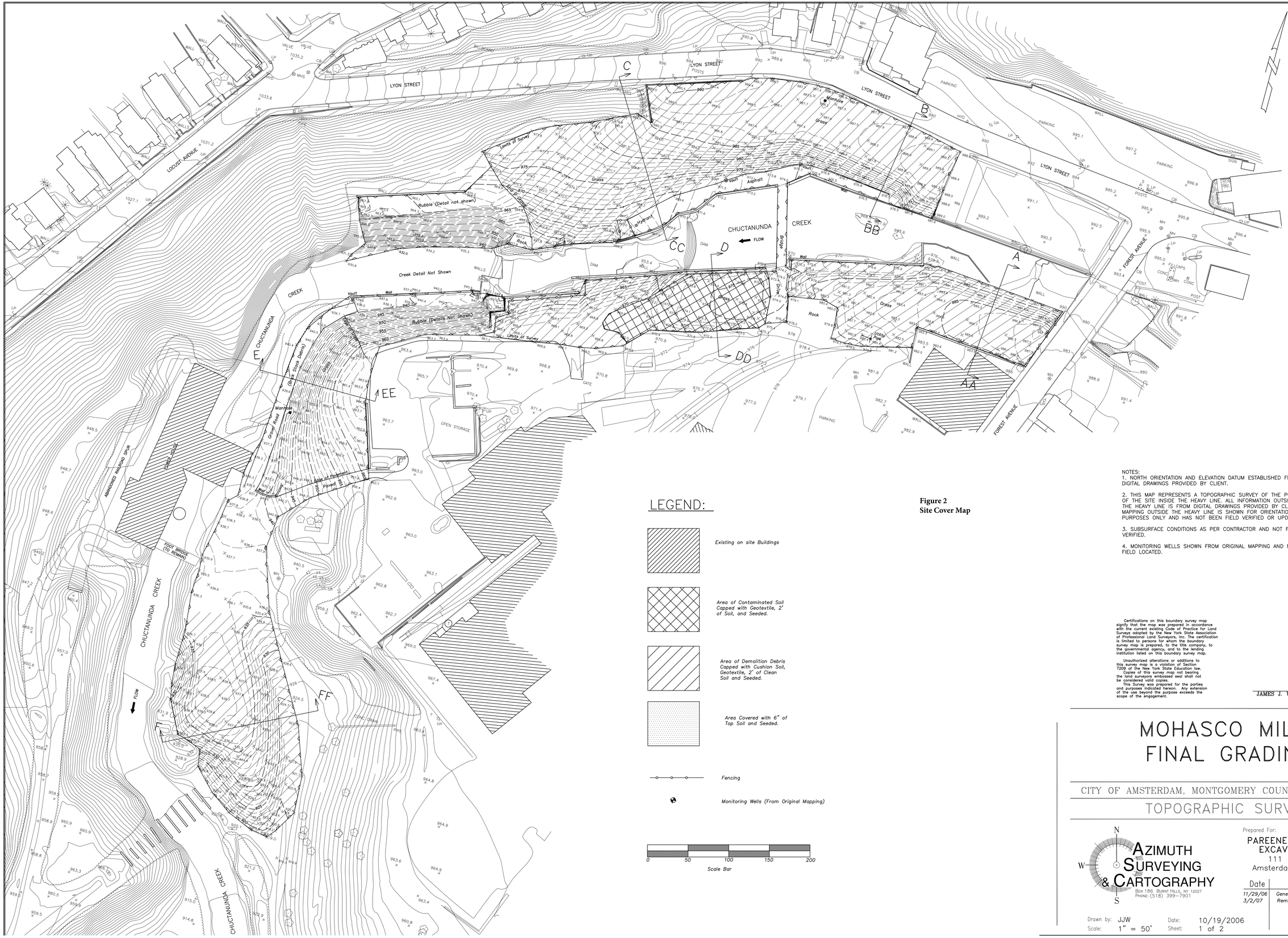
11/4/2024

Figures

X:\Projects\Site-Location\NY\10472-001\10472-001_Site-Location.mxd



Map Location	**SITE LOCATION MAP**	**FIGURE 1**
	Legend N 0 500 1,000 2,000 Feet Scale 1:24,000 October 20, 2003	**FORMER MOHASCO MILLS** **AMSTERDAM, NEW YORK** USGS 7.5 Minute Quadrangle: Amsterdam, New York Currentness Year: 1989
		Jem james environmental management



LEGEND:

- *Existing on site Buildings*
- *Area of Contaminated Soil Capped with Geotextile, 2' of Soil, and Seeded.*
- *Area of Demolition Debris Capped with Cushion Soil, Geotextile, 2' of Clean Soil and Seeded.*
- *Area Covered with 6" of Top Soil and Seeded.*
- *Fencing*
- *Monitoring Wells (From Original Mapping)*

0 50 100 150 200

Scale Bar

Figure 2
Site Cover Map

NOTES:
1. NORTH ORIENTATION AND ELEVATION DATUM ESTABLISHED FROM DIGITAL DRAWINGS PROVIDED BY CLIENT.

2. THIS MAP REPRESENTS A TOPOGRAPHIC SURVEY OF THE PORTION OF THE SITE INSIDE THE HEAVY LINE. ALL INFORMATION OUTSIDE OF THE HEAVY LINE IS FROM DIGITAL DRAWINGS PROVIDED BY CLIENT. MAPPING OUTSIDE THE HEAVY LINE IS SHOWN FOR ORIENTATION PURPOSES ONLY AND HAS NOT BEEN FIELD VERIFIED OR UPDATED.

3. SUBSURFACE CONDITIONS AS PER CONTRACTOR AND NOT FIELD VERIFIED.

4. MONITORING WELLS SHOWN FROM ORIGINAL MAPPING AND NOT FIELD LOCATED.

Certifications on this boundary survey map signify that the map was prepared in accordance with the current existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. The certification is limited to persons for whom the boundary survey map is prepared, to the title company, to the governmental agency, and to the lending institution listed on this boundary survey map.

Unauthorized alterations or additions to this survey map is a violation of Section 7209 of the New York State Education law.

Copies of this survey map not bearing the land surveyors embossed seal shall not be considered valid copies.

This Survey was prepared for the parties and purposes indicated hereon. Any extension of the use beyond the purpose exceeds the scope of the engagement.

JAMES J. WHITE, L.S. No. 50,026

MOHASCO MILLS
FINAL GRADING

CITY OF AMSTERDAM, MONTGOMERY COUNTY, NEW YORK

TOPOGRAPHIC SURVEY

AZIMUTH SURVEYING & CARTOGRAPHY
Box 186 Burnt Hills, NY 12027
Phone: (518) 399-7901

Prepared For:
PAREENE TRUCKING & EXCAVATING, Inc.
111 Robb Road
Amsterdam, NY 12010

Date	Revisions
11/29/06	General Drafting Revisions
3/2/07	Remove old monitoring wells

Drawn by: JJW
Scale: 1" = 50'
Date: 10/19/2006
Sheet: 1 of 2

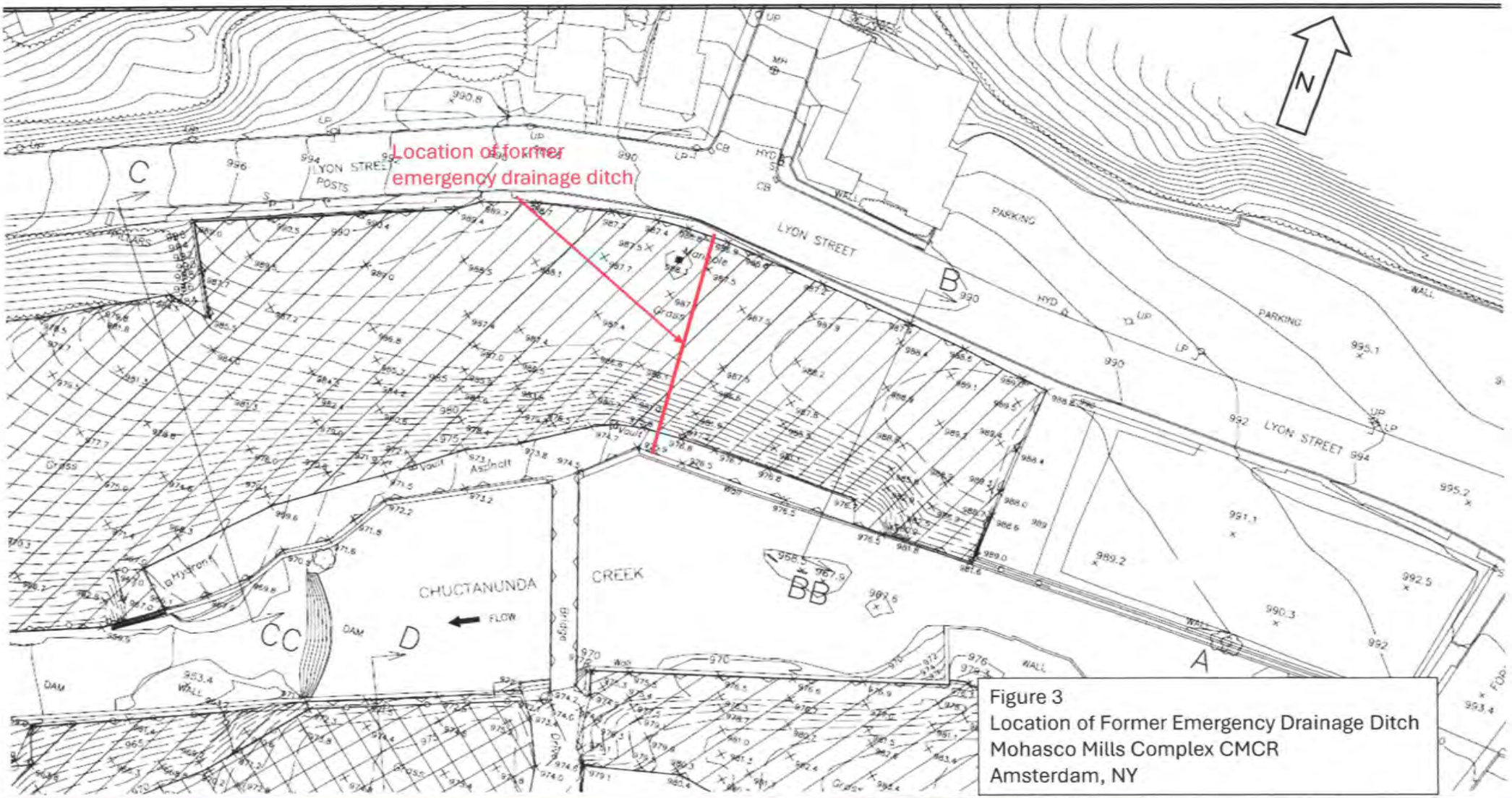
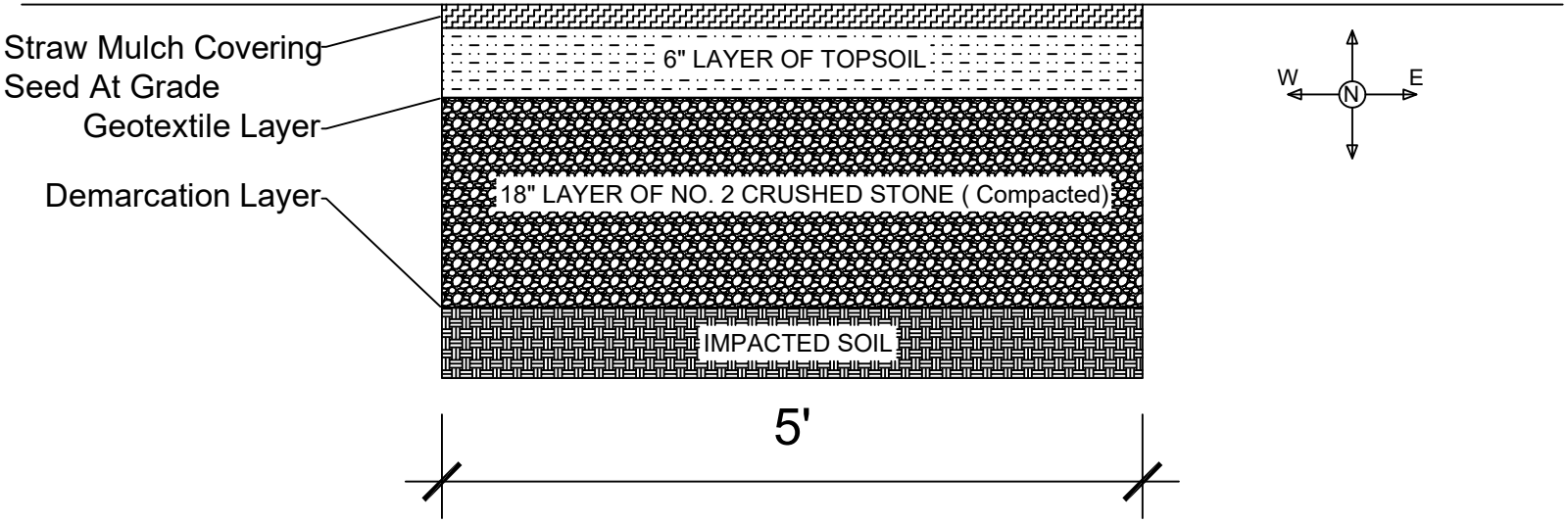


Figure 3
Location of Former Emergency Drainage Ditch
Mohasco Mills Complex CMCR
Amsterdam, NY

Figure 4
Emergency Drainage Ditch Repair
Cross - Section
Mohasco Mills Complex CMCR
Amsterdam, NY



Note: Some previously - placed clean soil is present between the demarcation layer and the bottom of the crushed stone layer.

Attachment A

Fill Approval, plus Stone Receipt

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau A
625 Broadway, 12th Floor, Albany, NY 12233-7015
P: (518) 402-9543 | F: (518) 402-9722
www.dec.ny.gov

September 18, 2024

James Blasting, PG
James Environmental Management
134 Greenridge Dr
Manlius, NY 13104
jfblasting@james-em.com

Re: Corrective Measures, Request to Import Soils and Stone
Former Mohasco Mills Complex, NYSDEC Site No. B00052
Amsterdam, Montgomery County

James Blasting:

The DEC has reviewed the request dated September 17, 2024 to import 100 cubic yards or less of stone from Cushing Stone, Amsterdam, NY and 50 cubic yards or less of soils from Pareene Contracting of Johnstown, NY. Based on the information provided, the requests are hereby approved.

The proposed soil fill material meets the Unrestricted and Protection of Groundwater soil cleanup objectives (SCOs) (as provided in Appendix 5 of DER-10 and the guidance document "Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs"). Therefore, this material may be placed above the demarcation layer as part of final site cover.

The proposed stone fill material meets the requirements for material other than soil (i.e., gravel, rock, stone, recycled concrete or recycled brick) as specified in section 5.4(e)5 of DER-10. Therefore, this material may be placed above the demarcation layer as part of final site cover.

Testing in accordance with DER-10 and the Corrective Measures Work Plan and approval by the DEC is required for any additional material imported from this source.

Please contact me at melissa.sweet@dec.ny.gov or (518) 402-9614 should you have any questions or concerns.

Sincerely,

Melissa L. Sweet, PE
Project Manager
Remedial Bureau A, Section C

NEW YORK STATE | Department of Environmental Conservation

ec: J. Swartwout
L. Waling, linette@stickermule.com
M. Clark, mclark@amsterdam.gov

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 50-100

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that passes a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Samples were collected by the consulting firm Atlantic Testing Laboratories (ATL) for the City of Amsterdam Cushing Stone, located on NY Route 5S between Amsterdam and Rotterdam Junction for their #2 stone stockpile. The samples and analysis were with in the last few days for NYSDOT. See attached report with grain size results.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Please see attached sieve results

Please see attached volume calculations provided by Michael Clark, P.E.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Cushing Stone, owner of source

Location where fill was obtained:

NY Route 5S between Amsterdam and Rotterdam Junction

Identification of any state or local approvals as a fill source:

NYS Mine ID 3000027. Provides product to NYSDEC and NYSDOT

If no approvals are available, provide a brief history of the use of the property that is the fill source:

if additional information is required contact Cushing Stone at 518-887-2521

Provide a list of supporting documentation included with this request:

Cushing Stone Sieve analyses
Volume calculations by City of Amsterdam Engineer Michael A. Clark, P.E.

The information provided on this form is accurate and complete.

	9/13/24
Signature	Date
James F. Blasting	
Print Name	
James Env. Mgm.	
Firm	

#2 Stone Steve Dow,Joe T. Cushing Stone Company TESTER: MARTY

DATE: 08/20/2024

Sieve Size	Weight Retained	% Retained	% Passing	Specification
1 1/2'	0.00	0.00	**100.00**	100.00
1'	0.26	1.64	**98.36**	90-100
3/4"	5.15	32.55	**65.80**	
1/2"	9.49	59.99	**5.82**	0-15
3/8"	0.00	0.00	**5.82**	
1/4"	0.68	4.30	**1.52**	
#4	0.01	0.06	**1.45**	
#8	0.10	0.63	**0.82**	
PAN	0.13	0.82	**0.00**	
Total	15.82	100.00		
Fineness Modulus:	**0.04**			

Minus No. 200 Material
Weight of original sample dry
Weight After Washing
Weight Minus No. 200 Material 0.00
Percent Minus No. 200

Free Moisture Content
Weight Wet na
Weight SSD na
Water Weight #VALUE!
Percent Free Moisture **#VALUE!**

Number 2 stone
NYSDOT spec.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

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Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Please see attached sieve results

Please see attached volume calculations provided by Michael Clark, P.E.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Cushing Stone, owner of source

Location where fill was obtained:

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Identification of any state or local approvals as a fill source:

NYS Mine ID 3000027. Provides product to NYSDEC and NYSDOT

If no approvals are available, provide a brief history of the use of the property that is the fill source:

if additional information is required contact Cushing Stone at 518-887-2521

Provide a list of supporting documentation included with this request:

Cushing Stone Sieve analyses
Volume calculations by City of Amsterdam Engineer Michael A. Clark, P.E.

The information provided on this form is accurate and complete.

	9/13/24
Signature	Date
James F. Blasting	
Print Name	
James Env. Mgm.	
Firm	

ATLANTIC TESTING LABORATORIES

Albany
22 Corporate Drive
Clifton Park, NY 12065
518-383-9144 (T)
atlantictesting.com

WBE certified company

August 30, 2024

City of Amsterdam
61 Church Street
Amsterdam, New York 12010

Attn: Zach Baxter, EIT
Engineer I

Re: Soil Sampling and Analysis Services
NYSDEC Regulated Capped Site
Johnstown, New York
ATL Report No. AT5795CE-01-08-24

At the request of representatives of the City of Amsterdam, and in accordance with Atlantic Testing Laboratories, Limited (ATL) contract number AT5998-463-07-24, dated July 19, 2024, soil sampling was performed at the subject site on August 15, 2022. The sampling and subsequent laboratory analysis were conducted to evaluate the presence or absence of designated contaminants of concern for approximately 300 cubic yards of stockpiled soil material to be reused on a New York State Department of Environmental Conservation (NYSDEC) Regulated Capped Site, located at 246 Maloney Road, Johnstown, Fulton County, New York.

Soil Sampling and Analysis

The sampling event on August 15, 2024, included the collection of 2 grab soil samples and 1 composite soil sample from a soil stockpile located at 246 Maloney Road in Johnstown, New York. These samples were collected and analyzed for evaluation of reuse options. The samples were collected in general accordance with New York State Department of Environmental Conservation (NYSDEC) soil sampling guidelines. The samples for reuse evaluation were identified as AT5795GS01, AT5795GS02, and AT5795CS03.

The samples were collected in clean laboratory glassware, with Teflon-lined lids in accordance with industry standard protocol and applicable NYSDEC guidelines. Disposable sampling equipment (i.e., plastic bags and nitrile gloves) was utilized to collect the samples. Samples were stored in a cooler, with ice, and picked up from the laboratory.

The samples were submitted to Alpha Analytical, located in Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) approved laboratory (ELAP No. 11148). The grab samples for reuse evaluation were laboratory analyzed for volatile organic compounds (VOC), in accordance with EPA Method 8260. The composite sample was analyzed for semi-VOC, in accordance with EPA Method 8270 (base/neutral extractables); pesticides, in accordance with EPA 8081; polychlorinated biphenyls (PCB), in accordance with EPA 8082; per- and polyfluoroalkyl substances (PFAS), in accordance with EPA Method 1633; cyanide, hexavalent chromium, and metals (arsenic, barium, beryllium, cadmium, trivalent chromium, copper, lead, manganese, mercury, nickel, selenium, silver, and zinc). A copy of the laboratory report and associated sample custody documentation for the referenced samples is contained in Attachment A. A tabular summary of laboratory analysis results for the reuse evaluation samples, with comparison to NYSDEC Unrestricted Use Soil

Cleanup Objectives (SCO) and 6 NYCRR Part 360 Fill Material Beneficial Use Criteria, is provided in Table B-1 of Attachment B.

Summary of Findings

ATL performed sampling at the subject site for a soil stockpile of soil located at 246 Maloney Road in Johnstown, New York, as directed by the City of Amsterdam.

Laboratory analysis of the 2 grab samples did not identify any detectable concentrations of VOC. Laboratory analysis of the composite sample identified detectable concentrations of several metals. None of the detected metals exceeded criteria established in the NYSDEC Unrestricted Use SCO or 6 NYCRR Part 360 Fill Material Beneficial Use Criteria for Fill Types 2, 3, 4, or 5. Based on the available data, the soil would be considered satisfactory for reuse as Fill Types 2 through 5. Table I provides a description of the end use and physical criteria for Fill Types 2 through 5, as described in 6 NYCRR Part 360.

Table I
Beneficial Use Criteria Fill Types F2 though F5

Fill Type	Fill End Use	Physical Criteria
2 (F2)	Any setting where the fill meets the engineering criteria for use, except: agricultural land used for raising livestock or producing animal products for human consumption. Fill Type 2 may also be used in the same manner as Fill Type 3, Fill Type 4, and Fill Type 5.	Only soil, sand, gravel, or rock; no non-soil constituents. Must not produce objectionable petroleum or other odors.
3 (F3)	Any setting where the fill meets the engineering criteria, for use, except: 1. Undeveloped land; and 2. Agricultural crop on land used for raising livestock or producing animal products for human consumption. If used on residential property, material must be under impermeable surface or under a minimum three inches of Fill Type 1, Fill Type 2, or commercial soil. Fill Type 3 may also be used in the same manner as Fill Type 4 and Fill Type 5.	Only soil, sand, gravel, and de minimis amounts of brick, concrete or asphalt, no other non-soil constituents. Must not produce objectionable petroleum or other odors.
4 (F4)	Engineered use for embankments in subgrade: A) In transportation corridors, or B) on sites where in-situ material contain higher levels of contaminants than Fill Type 4 or Fill Type 5 criteria. Must be placed above the seasonal highwater table. May also be used in the same manner as Fill Type 5.	No volume limit for granular, compactible non-soil constituents
5 (F5)	Engineered use under foundations and pavements above the seasonal highwater table.	No volume limit for granular, compactible non-soil constituents.

It is noted that ATL cannot warrant similar conditions would be encountered in other areas not specifically sampled.

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited



Grace M. Hagberg
Project Scientist

GMH/CJD/gh

ATTACHMENT A

LABORATORY REPORT AND

ASSOCIATED SAMPLE CUSTODY DOCUMENTATION

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2446370-01	AT5795GS01	SOIL	JOHNSTOWN, NY	08/15/24 09:45	08/15/24
L2446370-02	AT5795GS02	SOIL	JOHNSTOWN, NY	08/15/24 09:55	08/15/24
L2446370-03	AT5795CS03	SOIL	JOHNSTOWN, NY	08/15/24 10:10	08/15/24

Project Name:	NYSDEC REGULATED CAPPED SITE	**Lab Number:**	L2446370
Project Number:	AT5795	**Report Date:**	08/30/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	NYSDEC REGULATED CAPPED SITE	**Lab Number:**	L2446370
Project Number:	AT5795	**Report Date:**	08/30/24

Case Narrative (continued)

Report Submission

August 30, 2024: This final report includes the results of all requested analyses.

August 22, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Perfluorinated Alkyl Acids by 1633

The WG1963934-2 LCS recovery, associated with L2446370-03, is above the acceptance criteria for nonafluoro-3,6-dioxaheptanoic acid (nfdha) (198%); however, the associated sample is non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

The WG1963934-3 LCS recovery, associated with L2446370-03, is above the acceptance criteria for nonafluoro-3,6-dioxaheptanoic acid (nfdha) (158%); however, the associated sample is non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

Total Metals

L2446370-03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 08/30/24

ORGANICS

VOLATILES

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-01
Client ID: AT5795GS01
Sample Location: JOHNSTOWN, NY

Date Collected: 08/15/24 09:45
Date Received: 08/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/21/24 22:24
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.48	0.13	1

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-01 Date Collected: 08/15/24 09:45

Client ID: AT5795GS01 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.63	1
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.8	0.92	1
Cyclohexane	ND		ug/kg	9.6	0.52	1
1,4-Dioxane	ND		ug/kg	77	34.	1
Freon-113	ND		ug/kg	3.8	0.67	1
Methyl cyclohexane	ND		ug/kg	3.8	0.58	1

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-01 Date Collected: 08/15/24 09:45

Client ID: AT5795GS01 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-02
Client ID: AT5795GS02
Sample Location: JOHNSTOWN, NY

Date Collected: 08/15/24 09:55
Date Received: 08/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/21/24 22:51
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	ND		ug/kg	0.56	0.15	1

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-02 Date Collected: 08/15/24 09:55

Client ID: AT5795GS02 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	89	39.	1
Freon-113	ND		ug/kg	4.4	0.77	1
Methyl cyclohexane	ND		ug/kg	4.4	0.67	1

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-02 Date Collected: 08/15/24 09:55

Client ID: AT5795GS02 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/21/24 13:41
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1962521-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.63	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/21/24 13:41
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1962521-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/21/24 13:41
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1962521-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1962521-3 WG1962521-4								
Methylene chloride	86		86		70-130	0		30
1,1-Dichloroethane	92		93		70-130	1		30
Chloroform	89		90		70-130	1		30
Carbon tetrachloride	94		93		70-130	1		30
1,2-Dichloropropane	96		95		70-130	1		30
Dibromochloromethane	102		100		70-130	2		30
1,1,2-Trichloroethane	90		88		70-130	2		30
Tetrachloroethene	83		82		70-130	1		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	89		88		70-139	1		30
1,2-Dichloroethane	86		85		70-130	1		30
1,1,1-Trichloroethane	91		91		70-130	0		30
Bromodichloromethane	90		90		70-130	0		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	85		84		70-130	1		30
Bromoform	89		88		70-130	1		30
1,1,2,2-Tetrachloroethane	93		91		70-130	2		30
Benzene	90		90		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	90		90		70-130	0		30
Chloromethane	98		99		52-130	1		30
Bromomethane	**53**	Q	**54**	Q	57-147	2		30
Vinyl chloride	76		76		67-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1962521-3 WG1962521-4								
Chloroethane	82		82		50-151	0		30
1,1-Dichloroethene	84		84		65-135	0		30
trans-1,2-Dichloroethene	89		88		70-130	1		30
Trichloroethene	87		88		70-130	1		30
1,2-Dichlorobenzene	92		92		70-130	0		30
1,3-Dichlorobenzene	91		92		70-130	1		30
1,4-Dichlorobenzene	91		91		70-130	0		30
Methyl tert butyl ether	103		101		66-130	2		30
p/m-Xylene	87		86		70-130	1		30
o-Xylene	85		84		70-130	1		30
cis-1,2-Dichloroethene	89		88		70-130	1		30
Styrene	86		85		70-130	1		30
Dichlorodifluoromethane	74		73		30-146	1		30
Acetone	106		100		54-140	6		30
Carbon disulfide	87		88		59-130	1		30
2-Butanone	115		111		70-130	4		30
4-Methyl-2-pentanone	98		95		70-130	3		30
2-Hexanone	120		115		70-130	4		30
Bromochloromethane	98		96		70-130	2		30
1,2-Dibromoethane	96		95		70-130	1		30
n-Butylbenzene	96		98		70-130	2		30
sec-Butylbenzene	96		98		70-130	2		30
tert-Butylbenzene	95		97		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE

Project Number: AT5795

Lab Number: L2446370

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1962521-3 WG1962521-4								
1,2-Dibromo-3-chloropropane	95		94		68-130	1		30
Isopropylbenzene	88		89		70-130	1		30
p-Isopropyltoluene	88		90		70-130	2		30
Naphthalene	104		103		70-130	1		30
n-Propylbenzene	92		94		70-130	2		30
1,2,3-Trichlorobenzene	92		92		70-130	0		30
1,2,4-Trichlorobenzene	96		96		70-130	0		30
1,3,5-Trimethylbenzene	95		96		70-130	1		30
1,2,4-Trimethylbenzene	92		94		70-130	2		30
Methyl Acetate	117		112		51-146	4		30
Cyclohexane	109		109		59-142	0		30
1,4-Dioxane	90		86		65-136	5		30
Freon-113	94		93		50-139	1		30
Methyl cyclohexane	89		90		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03
Client ID: AT5795CS03
Sample Location: JOHNSTOWN, NY

Date Collected: 08/15/24 10:10
Date Received: 08/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/22/24 00:30
Analyst: SZ
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/20/24 18:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03 Date Collected: 08/15/24 10:10

Client ID: AT5795CS03 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	120	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	67		18-120

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03
Client ID: AT5795CS03
Sample Location: JOHNSTOWN, NY

Date Collected: 08/15/24 10:10
Date Received: 08/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/28/24 11:31
Analyst: AC
Percent Solids: 78%

Extraction Method: EPA 1633
Extraction Date: 08/26/24 14:10
Cleanup Method: EPA 1633
Cleanup Date: 08/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.798	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.399	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.798	0.081	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.798	0.279	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.798	0.386	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.798	0.098	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.798	0.146	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038	1

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03 Date Collected: 08/15/24 10:10

Client ID: AT5795CS03 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.798	0.196	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.798	0.167	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.509	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.399	0.041	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.399	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.399	0.083	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.399	0.095	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.998	0.144	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.99	0.504	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.99	1.76	1

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03 Date Collected: 08/15/24 10:10

Client ID: AT5795CS03 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	63		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	78		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	71		48-111
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	74		23-136
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	69		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	71		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	64		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	59		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	53		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	66		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	64		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	65		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	53		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	59		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	59		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	64		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	55		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	52		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	44		15-109
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	74		45-108
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	50		10-97
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	50		10-102
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	67		10-132
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	66		13-116

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/21/24 13:14
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/20/24 18:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1961717-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/21/24 13:14
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/20/24 18:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1961717-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/21/24 13:14
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/20/24 18:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1961717-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	78		18-120

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/28/24 00:11
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 08/26/24 14:10
Cleanup Method: EPA 1633
Cleanup Date: 08/27/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1963934-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/28/24 00:11
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 08/26/24 14:10
Cleanup Method: EPA 1633
Cleanup Date: 08/27/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1963934-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/28/24 00:11
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 08/26/24 14:10
Cleanup Method: EPA 1633
Cleanup Date: 08/27/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1963934-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	106		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	98		48-111
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	101		23-136
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	90		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	91		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	69		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	96		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	88		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	67		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	95		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	82		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	96		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	86		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	72		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	64		15-109
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	99		45-108
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	77		10-97
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	80		10-102
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	100		10-132
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	91		13-116

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1961717-2 WG1961717-3								
Acenaphthene	71		72		31-137	1		50
1,2,4-Trichlorobenzene	80		80		38-107	0		50
Hexachlorobenzene	88		90		40-140	2		50
Bis(2-chloroethyl)ether	69		69		40-140	0		50
2-Chloronaphthalene	85		85		40-140	0		50
1,2-Dichlorobenzene	70		69		40-140	1		50
1,3-Dichlorobenzene	68		67		40-140	1		50
1,4-Dichlorobenzene	69		69		28-104	0		50
3,3'-Dichlorobenzidine	80		79		40-140	1		50
2,4-Dinitrotoluene	62		63		40-132	2		50
2,6-Dinitrotoluene	81		82		40-140	1		50
Fluoranthene	84		85		40-140	1		50
4-Chlorophenyl phenyl ether	78		79		40-140	1		50
4-Bromophenyl phenyl ether	86		88		40-140	2		50
Bis(2-chloroisopropyl)ether	72		74		40-140	3		50
Bis(2-chloroethoxy)methane	77		77		40-117	0		50
Hexachlorobutadiene	83		81		40-140	2		50
Hexachlorocyclopentadiene	**12**	Q	**11**	Q	40-140	9		50
Hexachloroethane	58		56		40-140	4		50
Isophorone	79		82		40-140	4		50
Naphthalene	73		72		40-140	1		50
Nitrobenzene	76		76		40-140	0		50
NDPA/DPA	78		79		36-157	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1961717-2 WG1961717-3								
n-Nitrosodi-n-propylamine	78		79		32-121	1		50
Bis(2-ethylhexyl)phthalate	89		90		40-140	1		50
Butyl benzyl phthalate	90		92		40-140	2		50
Di-n-butylphthalate	82		84		40-140	2		50
Di-n-octylphthalate	86		88		40-140	2		50
Diethyl phthalate	74		74		40-140	0		50
Dimethyl phthalate	87		87		40-140	0		50
Benzo(a)anthracene	74		73		40-140	1		50
Benzo(a)pyrene	76		77		40-140	1		50
Benzo(b)fluoranthene	77		74		40-140	4		50
Benzo(k)fluoranthene	69		74		40-140	7		50
Chrysene	69		70		40-140	1		50
Acenaphthylene	85		85		40-140	0		50
Anthracene	79		81		40-140	3		50
Benzo(ghi)perylene	74		76		40-140	3		50
Fluorene	76		78		40-140	3		50
Phenanthrene	74		76		40-140	3		50
Dibenzo(a,h)anthracene	76		76		40-140	0		50
Indeno(1,2,3-cd)pyrene	81		81		40-140	0		50
Pyrene	81		85		35-142	5		50
Biphenyl	83		83		37-127	0		50
4-Chloroaniline	73		71		40-140	3		50
2-Nitroaniline	103		103		47-134	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1961717-2 WG1961717-3								
3-Nitroaniline	86		86		26-129	0		50
4-Nitroaniline	88		91		41-125	3		50
Dibenzofuran	74		75		40-140	1		50
2-Methylnaphthalene	82		82		40-140	0		50
1,2,4,5-Tetrachlorobenzene	96		94		40-117	2		50
Acetophenone	76		76		14-144	0		50
Benzyl Alcohol	80		80		40-140	0		50
Carbazole	75		77		54-128	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		70		25-120
Phenol-d6	77		74		10-120
Nitrobenzene-d5	78		76		23-120
2-Fluorobiphenyl	81		79		30-120
2,4,6-Tribromophenol	101		98		10-136
4-Terphenyl-d14	80		79		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1963934-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	129		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	130		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	110		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	119		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	122		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	125		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	118		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	115		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	137		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	132		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	127		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	122		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	128		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	120		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	142		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	135		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	136		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	119		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	127		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	120		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	143		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE

Project Number: AT5795

Lab Number: L2446370

Report Date: 08/30/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1963934-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	122		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	136		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	127		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	118		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	130		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	119		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	107		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	131		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	133		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	118		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	117		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	83		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	104		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	131		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	**198**	Q	-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	119		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	103		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	119		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1963934-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	71				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80				48-111
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	80				23-136
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	73				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	72				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	73				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	67				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	55				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	75				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	70				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	55				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	65				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	75				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	64				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	53				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	53				15-109
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	78				45-108
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	59				10-97
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	60				10-102
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	80				10-132
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	77				13-116

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1963934-3								
Perfluorobutanoic Acid (PFBA)	117		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	115		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	120		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	110		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	120		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	126		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	112		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	125		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	117		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	121		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	122		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	98		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	129		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	83		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	109		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	100		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	116		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE

Project Number: AT5795

Lab Number: L2446370

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1963934-3								
Perfluorotridecanoic Acid (PFTrDA)	94		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	111		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	106		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	98		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	76		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	60		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	45		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	116		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	112		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	104		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	104		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	90		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	96		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	116		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	**158**	Q	-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	98		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	93		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	74		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE

Project Number: AT5795

Lab Number: L2446370

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1963934-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	97				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97				48-111
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	96				23-136
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	79				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	79				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	73				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	63				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	70				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	45				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	54				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	74				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	48				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41				15-109
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	93				45-108
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	60				10-97
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	56				10-102
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	75				10-132
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	72				13-116

PCBS

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03
Client ID: AT5795CS03
Sample Location: JOHNSTOWN, NY

Date Collected: 08/15/24 10:10
Date Received: 08/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/24 09:23
Analyst: MHG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/20/24 19:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0614	0.00546	1	A
Aroclor 1221	ND		mg/kg	0.0614	0.00616	1	A
Aroclor 1232	ND		mg/kg	0.0614	0.0130	1	A
Aroclor 1242	ND		mg/kg	0.0614	0.00828	1	A
Aroclor 1248	ND		mg/kg	0.0614	0.00922	1	A
Aroclor 1254	ND		mg/kg	0.0614	0.00672	1	A
Aroclor 1260	ND		mg/kg	0.0614	0.0114	1	A
Aroclor 1262	ND		mg/kg	0.0614	0.00780	1	A
Aroclor 1268	ND		mg/kg	0.0614	0.00636	1	A
PCBs, Total	ND		mg/kg	0.0614	0.00546	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/21/24 07:45
Analyst: MHG

Extraction Method: EPA 3546
Extraction Date: 08/20/24 19:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG1961730-1						
Aroclor 1016	ND		mg/kg	0.0459	0.00407	A
Aroclor 1221	ND		mg/kg	0.0459	0.00460	A
Aroclor 1232	ND		mg/kg	0.0459	0.00972	A
Aroclor 1242	ND		mg/kg	0.0459	0.00618	A
Aroclor 1248	ND		mg/kg	0.0459	0.00688	A
Aroclor 1254	ND		mg/kg	0.0459	0.00502	A
Aroclor 1260	ND		mg/kg	0.0459	0.00848	A
Aroclor 1262	ND		mg/kg	0.0459	0.00582	A
Aroclor 1268	ND		mg/kg	0.0459	0.00475	A
PCBs, Total	ND		mg/kg	0.0459	0.00407	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE

Project Number: AT5795

Lab Number: L2446370

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG1961730-2 WG1961730-3									
Aroclor 1016	87		96		40-140	10		50	A
Aroclor 1260	80		85		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		92		30-150	A
Decachlorobiphenyl	74		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		99		30-150	B
Decachlorobiphenyl	94		106		30-150	B

PESTICIDES

Project Name: NYSDEC REGULATED CAPPED SITE
Lab Number: L2446370
Project Number: AT5795
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03
Client ID: AT5795CS03
Sample Location: JOHNSTOWN, NY

Date Collected: 08/15/24 10:10
Date Received: 08/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/22/24 02:43
Analyst: MMG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/20/24 20:04
Cleanup Method: EPA 3620B
Cleanup Date: 08/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	0.386	1	A
Lindane	ND		ug/kg	0.821	0.367	1	A
Alpha-BHC	ND		ug/kg	0.821	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.747	1	A
Heptachlor	ND		ug/kg	0.986	0.442	1	A
Aldrin	ND		ug/kg	1.97	0.694	1	A
Heptachlor epoxide	ND		ug/kg	3.70	1.11	1	A
Endrin	ND		ug/kg	0.821	0.337	1	A
Endrin aldehyde	ND		ug/kg	2.46	0.862	1	A
Endrin ketone	ND		ug/kg	1.97	0.508	1	A
Dieldrin	ND		ug/kg	1.23	0.616	1	A
4,4'-DDE	ND		ug/kg	1.97	0.456	1	A
4,4'-DDD	ND		ug/kg	1.97	0.703	1	A
4,4'-DDT	ND		ug/kg	1.97	1.58	1	A
Endosulfan I	ND		ug/kg	1.97	0.466	1	A
Endosulfan II	ND		ug/kg	1.97	0.659	1	A
Endosulfan sulfate	ND		ug/kg	0.821	0.391	1	A
Methoxychlor	ND		ug/kg	3.70	1.15	1	A
Toxaphene	ND		ug/kg	37.0	10.3	1	A
cis-Chlordane	ND		ug/kg	2.46	0.687	1	A
trans-Chlordane	ND		ug/kg	2.46	0.650	1	A
Chlordane	ND		ug/kg	16.4	6.53	1	A

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03 Date Collected: 08/15/24 10:10

Client ID: AT5795CS03 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: NYSDEC REGULATED CAPPED SITE
Lab Number: L2446370
Project Number: AT5795
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03
Client ID: AT5795CS03
Sample Location: JOHNSTOWN, NY

Date Collected: 08/15/24 10:10
Date Received: 08/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/24 14:44
Analyst: EJL
Percent Solids: 78%
Methylation Date: 08/22/24 07:25

Extraction Method: EPA 8151A
Extraction Date: 08/21/24 09:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	208	13.1	1	A
2,4,5-T	ND		ug/kg	208	6.46	1	A
2,4,5-TP (Silvex)	ND		ug/kg	208	5.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	117		30-150	B

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/22/24 01:53
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 08/20/24 18:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG1961718-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.651	0.291	A
Alpha-BHC	ND		ug/kg	0.651	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.781	0.350	A
Aldrin	ND		ug/kg	1.56	0.550	A
Heptachlor epoxide	ND		ug/kg	2.93	0.878	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin aldehyde	ND		ug/kg	1.95	0.683	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.976	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.557	A
4,4'-DDT	ND		ug/kg	1.56	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.522	A
Endosulfan sulfate	ND		ug/kg	0.651	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.911	A
Toxaphene	ND		ug/kg	29.3	8.20	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	13.0	5.17	A

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/22/24 01:53
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 08/20/24 18:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG1961718-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/22/24 13:11
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/21/24 09:08

Methylation Date: 08/22/24 07:25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03 Batch: WG1961998-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.06	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.35	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	113		30-150	A
DCAA	112		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1961718-2 WG1961718-3									
Delta-BHC	59		79		30-150	29		30	A
Lindane	54		73		30-150	30		30	A
Alpha-BHC	56		76		30-150	30		30	A
Beta-BHC	66		89		30-150	30		30	A
Heptachlor	63		81		30-150	25		30	A
Aldrin	58		78		30-150	29		30	A
Heptachlor epoxide	46		63		30-150	**31**	Q	30	A
Endrin	64		86		30-150	29		30	A
Endrin aldehyde	58		78		30-150	29		30	A
Endrin ketone	63		85		30-150	30		30	A
Dieldrin	67		90		30-150	29		30	A
4,4'-DDE	63		84		30-150	29		30	A
4,4'-DDD	67		90		30-150	29		30	A
4,4'-DDT	72		96		30-150	29		30	A
Endosulfan I	60		80		30-150	29		30	A
Endosulfan II	64		86		30-150	29		30	A
Endosulfan sulfate	70		94		30-150	29		30	A
Methoxychlor	78		104		30-150	29		30	A
cis-Chlordane	66		89		30-150	30		30	A
trans-Chlordane	75		98		30-150	27		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1961718-2 WG1961718-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		86		30-150	A
Decachlorobiphenyl	69		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		81		30-150	B
Decachlorobiphenyl	75		85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE

Project Number: AT5795

Lab Number: L2446370

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1961998-2 WG1961998-3									
2,4-D	126		118		30-150	7		30	A
2,4,5-T	132		124		30-150	6		30	A
2,4,5-TP (Silvex)	124		116		30-150	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	115		109		30-150	A
DCAA	129		125		30-150	B

METALS

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03 Date Collected: 08/15/24 10:10

Client ID: AT5795CS03 Date Received: 08/15/24

Sample Location: JOHNSTOWN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.16		mg/kg	0.961	0.200	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Barium, Total	38.9		mg/kg	0.961	0.167	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.496		mg/kg	0.480	0.032	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.961	0.094	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Chromium, Total	8.48		mg/kg	0.961	0.092	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Copper, Total	6.97		mg/kg	0.961	0.248	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Lead, Total	4.06	J	mg/kg	4.80	0.258	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Manganese, Total	296		mg/kg	0.961	0.153	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.084	0.055	1	08/21/24 00:17	08/22/24 08:53	EPA 7471B	1,7471B	SMV
Nickel, Total	7.49		mg/kg	2.40	0.233	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.92	0.248	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.480	0.272	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
Zinc, Total	27.1		mg/kg	4.80	0.282	2	08/20/24 23:03	08/21/24 21:46	EPA 3050B	1,6010D	DHL
General Chemistry - Mansfield Lab											
Chromium, Trivalent	8.48		mg/kg	1.02	0.204	1		08/21/24 21:46	NA	107,-	

Project Name: NYSDEC REGULATED CAPPED SITE **Lab Number:** L2446370

Project Number: AT5795 **Report Date:** 08/30/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1961692-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/20/24 23:03	08/21/24 21:17	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1961693-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/21/24 00:17	08/22/24 08:36	1,7471B	SMV

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE

Project Number: AT5795

Lab Number: L2446370

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1961692-2								
Arsenic, Total	89		-		80-120	-		
Barium, Total	98		-		80-120	-		
Beryllium, Total	99		-		80-120	-		
Cadmium, Total	92		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Copper, Total	96		-		80-120	-		
Lead, Total	96		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Selenium, Total	89		-		80-120	-		
Silver, Total	94		-		80-120	-		
Zinc, Total	96		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1961693-2								
Mercury, Total	101		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1961692-3 QC Sample: L2446574-05 Client ID: MS Sample												
Arsenic, Total	0.820J	10.6	9.58	90		-	-		75-125	-		20
Barium, Total	8.34	177	179	96		-	-		75-125	-		20
Beryllium, Total	0.094J	4.42	4.39	99		-	-		75-125	-		20
Cadmium, Total	ND	4.69	4.21	90		-	-		75-125	-		20
Chromium, Total	6.56	17.7	23.3	94		-	-		75-125	-		20
Copper, Total	3.73	22.1	24.6	94		-	-		75-125	-		20
Lead, Total	2.78J	46.9	46.2	98		-	-		75-125	-		20
Manganese, Total	29.4	44.2	74.8	103		-	-		75-125	-		20
Nickel, Total	7.89	44.2	49.5	94		-	-		75-125	-		20
Selenium, Total	ND	10.6	8.93	84		-	-		75-125	-		20
Silver, Total	ND	4.42	4.08	92		-	-		75-125	-		20
Zinc, Total	10.3	44.2	51.6	93		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1961693-3 QC Sample: L2446574-05 Client ID: MS Sample												
Mercury, Total	ND	1.56	1.71	109		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1961692-4 QC Sample: L2446574-05 Client ID: DUP Sample						
Arsenic, Total	0.820J	0.905	mg/kg	NC		20
Barium, Total	8.34	9.07	mg/kg	8		20
Beryllium, Total	0.094J	0.093J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	6.56	6.95	mg/kg	6		20
Copper, Total	3.73	3.58	mg/kg	4		20
Lead, Total	2.78J	2.96J	mg/kg	NC		20
Manganese, Total	29.4	33.4	mg/kg	13		20
Nickel, Total	7.89	8.02	mg/kg	2		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	10.3	12.3	mg/kg	18		20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1961693-4 QC Sample: L2446574-05 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2446370
Report Date: 08/30/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1961692-6 QC Sample: L2446574-05 Client ID: DUP Sample						
Manganese, Total	29.4	29.5	mg/kg	0		20

INORGANICS
&
MISCELLANEOUS

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-01
Client ID: AT5795GS01
Sample Location: JOHNSTOWN, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/15/24 09:45
Date Received: 08/15/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/16/24 12:10	121,2540G	ROI

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-02
Client ID: AT5795GS02
Sample Location: JOHNSTOWN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/15/24 09:55
Date Received: 08/15/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	08/16/24 12:10	121,2540G	ROI

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

SAMPLE RESULTS

Lab ID: L2446370-03
Client ID: AT5795CS03
Sample Location: JOHNSTOWN, NY
Sample Depth:
Matrix: Soil

Date Collected: 08/15/24 10:10
Date Received: 08/15/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	08/16/24 12:10	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.3	0.27	1	08/19/24 19:40	08/20/24 13:03	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	1.02	0.204	1	08/20/24 16:20	08/21/24 12:20	1,7196A	RDS

Project Name: NYSDEC REGULATED CAPPED SITE
Lab Number: L2446370
Project Number: AT5795
Report Date: 08/30/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG1961190-1										
Cyanide, Total	ND		mg/kg	0.92	0.19	1	08/19/24 19:40	08/20/24 12:41	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG1961568-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/20/24 16:20	08/21/24 12:20	1,7196A	RDS

Lab Control Sample Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE

Project Number: AT5795

Lab Number: L2446370

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG1961190-2 WG1961190-3								
Cyanide, Total	100		97		80-120	3		35
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG1961568-2								
Chromium, Hexavalent	102		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1961190-4 WG1961190-5 QC Sample: L2445325-04 Client ID: MS Sample												
Cyanide, Total	ND	11	10	92		11	96		75-125	4		35
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1961190-6 WG1961190-7 QC Sample: L2445325-05 Client ID: MS Sample												
Cyanide, Total	ND	11	ND	**0**	Q	ND	**0**	Q	75-125	NC		35
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1961568-4 QC Sample: L2446370-03 Client ID: AT5795CS03												
Chromium, Hexavalent	ND	1730	1620	94		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1960174-1 QC Sample: L2446455-02 Client ID: DUP Sample						
Solids, Total	93.1	93.4	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1961568-6 QC Sample: L2446370-03 Client ID: AT5795CS03						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2446370-01A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2446370-01B	Vial Large Septa unpreserved (4oz)	B	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2446370-01X	Vial MeOH preserved split	B	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2446370-01Y	Vial Water preserved split	B	NA		4.4	Y	Absent	**21-AUG-24 06:21**	NYTCL-8260-R2(14)
L2446370-01Z	Vial Water preserved split	B	NA		4.4	Y	Absent	**21-AUG-24 06:21**	NYTCL-8260-R2(14)
L2446370-02A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2446370-02B	Vial Large Septa unpreserved (4oz)	B	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2446370-02X	Vial MeOH preserved split	B	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2446370-02Y	Vial Water preserved split	B	NA		4.4	Y	Absent	**21-AUG-24 06:21**	NYTCL-8260-R2(14)
L2446370-02Z	Vial Water preserved split	B	NA		4.4	Y	Absent	**21-AUG-24 06:21**	NYTCL-8260-R2(14)
L2446370-03A	Plastic 2oz unpreserved for TS	B	NA		4.4	Y	Absent		TS(7)
L2446370-03B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L2446370-03C	Glass 120ml/4oz unpreserved	B	NA		4.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082-PPM(365),HEXCR-7196(30)
L2446370-03D	Plastic 8oz unpreserved	B	NA		4.4	Y	Absent		A2-1633-DRAFT(90)
L2446370-03E	Glass 500ml/16oz unpreserved	B	NA		4.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082-PPM(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795
Lab Number: L2446370
Report Date: 08/30/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: NYSDEC REGULATED CAPPED SITE
Project Number: AT5795

Lab Number: L2446370
Report Date: 08/30/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	NYSDEC REGULATED CAPPED SITE	**Lab Number:**	L2446370
Project Number:	AT5795	**Report Date:**	08/30/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	NYSDEC REGULATED CAPPED SITE	**Lab Number:**	L2446370
Project Number:	AT5795	**Report Date:**	08/30/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	NYSDEC REGULATED CAPPED SITE	**Lab Number:**	L2446370
Project Number:	AT5795	**Report Date:**	08/30/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Standard 2-week TAT; PFAS Standard 3-week TAT

ATLANTIC TESTING LABORATORIES

Environmental Chain-Of-Custody Record

L2446370 22AUG24
ATL – ALB

Albany 22 Corporate Drive Clifton Park, NY 12065 518/383-9144 (T) 518/383-9166 (F)
Binghamton 126 Park Avenue Binghamton, NY 13903 607/773-1812 (T) 607/773-1835 (F)
Canton 6431 U.S. Highway 11 Canton, NY 13617 315/386-4578 (T) 315/386-1012 (F)
Elmira 2330 Route 352 Elmira, NY 14903 607/737-0700 (T) 607/737-0714 (F)
Plattsburgh 130 Arizona Ave Plattsburgh, NY 12903 518/563-5878 (T) 518/562-1321 (F)
Poughkeepsie 251 Upper North Road Highland, NY 12528 845/691-6096 (T) 845/691-6099 (F)
Rochester 3495 Winton Place Rochester, NY 14623 585/427-9020 (T) 585/427-9021 (F)
Syracuse 6085 Court Street F Syracuse, NY 13206 315/699-5281 (T) 315/699-3374 (F)
Utica, NY 13501 315/735-3309 (T) 315/735-0742 (F)
Watertown, NY 13601 315/786-7887 (T) 315/786-2022 (F)

Project No.	Client Name	QA/QC Code	Parameters	Report Distribution
AT5795 Page 1 of 1	City of Amsterdam	☐ NYSDEC ☐ SW-846 ☐ NYSDOH ☐ CLP ☐ Other	CYANIDE; Hexavalent Chromium; EPA 8151; EPA 8081; EPA 8270 (B/N); EPA 8260+MTBE; EPA 8082; NYSDEC Part 375 Metals; PFAS - EPA 1633	TAT Required: ☐ 6hr ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☐ 10day ☑ Other STANDARD
ATL Project Contact:	Grace Hagberg	Project Location		E-mail Results: labsat@atlantictesting.com
Project Name:	NYSDEC Regulated Capped Site	Johnstown, NY		

Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers	Notes	Laboratory Sample ID No.	Custody Seal: X= intact
8/15/2024	0945	AT5795GS01	Maloney Rd Stockpile - NE	GS	2			
8/15/2024	0955	AT5795GS02	Maloney Rd Stockpile - SW	GS	2			
8/15/2024	1010	AT5795CS03	Maloney Rd Stockpile	CS	3			

Samplers Name:	grace hagberg	Date:	8/15/2024	Received for Name:		Date:		Shipment Rec'd Intact?
Samplers Signature:		Time:	1000	Laboratory Signature:		Time:		☐ YES ☐ NO

Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks
Name:	grace hagberg	Date:		Name:	Cityin Koeg. for PACE	Date:	8/15/24	Description: C Composite; G Grab; Q QA/QC; O Other				
Signature:		Time:		Signature:		Time:	1316	Matrix: DW Drinking Water; GW Groundwater; WW Wastewater; SW Stormwater; O Oil; L Liquid; S Soil; SL Sludge; WS Solid Waste; B Bulk; WP Wipe; A Air				
Name:		Date:	8/15/24	Name:		Date:	8/15					
Signature:	PACE	Time:	1320	Signature:		Time:						

8/16 220 — 8/16/24 0220

Distribution: White with Samples
Pink to ATL Files

ENV-001B
pdrive:Forms\Environmental\OfficeForms\Environmental Chain-Of-Custody Record rev 6: 02/22/19

ATTACHMENT B

SUMMARY OF LABORATORY RESULTS

Summary of Laboratory Analysis Results Table
246 Maloney Road, Johnstown, New York
Soil Samples
Collected August 15, 2024

Sample Location	Northeast Side of Stockpile	Southwest Side of Stockpile	Maloney Road Stockpile	Unrestricted Use Soil Cleanup Objectives (SCO)	6 NYCRR Part 360 Fill Material Beneficial Use Criteria		
Sample ID	**AT5795GS01**	**AT5795GS02**	**AT5795CS03**		**Fill Type 2, Fill Type 3**	**Fill Type 4**	**Fill Type 5**
VOC (ppm)							
All Target Compounds	ND	ND		---	---	---	---
Semi-VOC (ppm)							
1,4-Dioxane			ND	0.1	0.1	0.1	0.1
All Other Target Compounds			ND	---	---	---	---
Pesticides and Herbicides (ppm)							
All Target Compounds			ND	---	---	---	---
Polychlorinated Biphenyl (ppm)							
Total PCB			ND	---	---	---	---
Metals (ppm)							
Arsenic			2.16	13	16	16	16
Barium			38.9	350	350	350	400
Beryllium			0.496	7.2	14	14	590
Cadmium			ND	2.5	60	60	60
Chromium (Hexavalent)			ND	1	22	110	400
Chromium (Trivalent)			8.48	30	36	180	1,500
Copper			6.97	50	270	270	270
Lead			4.06	63	400	400	1,000
Manganese			296	---	---	---	---
Mercury			ND	0.18	0.73	0.73	2.8
Nickel			7.49	30	130	310	310
Selenium			ND	3.9	36	180	1,500
Silver			ND	2	8.3	8.3	1,500
Zinc			27.1	109	10,000	10,000	2,200
Cyanide (ppm)							
Total Cyanide			ND	27	27	27	27
PFAS (ppm)							
All Target Compounds			ND	---	---	---	---

NOTES:

Samples collected from a stockpile by representatives of Atlantic Testing Laboratories, Limited on August 15, 2024, and analyzed by Alpha Analytical, Inc. Labs (NYSDOH ELAP Nos. 11148).

Copies of the laboratory report and sample custody documentation are contained in Appendix A.

ppm= parts per millions

VOC= volatile organic compounds

semi-VOC= volatile organic compounds

PCB= Polychlorinated biphenyls

ND= Not detectable above laboratory method detection limit

NYSDEC Unrestricted Use SCO were obtained from 6 NYCRR Part 375. In the absence of values listed in 6 NYCRR Part 375, the most restrictive Supplemental Soil Cleanup Objective listed in NYSDEC CP-51 was used.

For PFAS, Unrestricted Use SCO were obtained from NYSDEC “Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances” document, dated April 2023.

6 NYCRR Part 360 Fill Material Beneficial Criteria were obtained from the Maximum Contaminant Levels description in 6 NYCRR Part 360.13(f).

CUSHING STONE COMPANY, INC.

725 State Highway 55 - Amsterdam, NY 12010

Telephone 518-887-2321 - cushingoffice@cranesville.com

TICKET NO: 152511 **DATE:** 10/9/2024

JOB/PO/LOC: LYON ST

TIME OF DAY: 9:00 **TRUCK:** E1200

CUSTOMER: 10060 CITY OF AMSTERDAM
DEPT OF PUBLIC WORKS
61 CHURCH STREET
AMSTERDAM NY 12010

#2 STONE 18.02TN

GROSS (LBS):	62380
TARE (LBS):	26340
NET (LBS):	36040

RECEIVED BY:

LOADS TODAY:	1.00
DAILY QTY:	18.02

NOT LIABLE FOR DAMAGES-SEE TERMS AND CONDITIONS CUSHINGSTONE.COM

CUSHING STONE COMPANY, INC.

725 State Highway 55 - Amsterdam, NY 12010

Telephone 518-887-2321 - cushingoffice@cranesville.com

TICKET NO: 152511 **DATE:** 10/9/2024

JOB/PO/LOC: LYON ST

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GROSS (LBS):	62380
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RECEIVED BY:

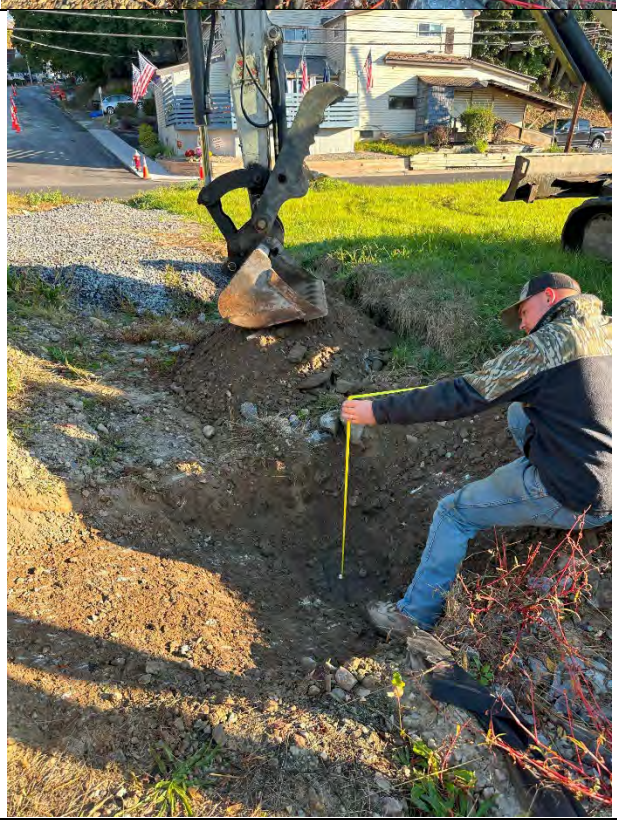
LOADS TODAY:	1.00
DAILY QTY:	18.02

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Attachment B

Photographic Log

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 1 Photo shows confirmation that demarcation layer has not been breached.	
Photograph 2 Photo shows Pareene Contracting Inc. confirming depth of demarcation layer.	

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 3 Photo shows demarcation layer undisturbed in trench.		
Photograph 4 Photo shows initial placement of stone in trench.		

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 5 Photo shows continuation of stone placement in trench.	
Photograph 6 Photo shows continuation of stone placement in trench.	

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 7 Photo shows installation of geotextile fabric after the completion of stone placement.	
Photograph 8 Photo shows geotextile placement over stone in trench.	

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 9 Photo shows placement of soil over geotextile.	
Photograph 10 Photo shows placement of soil over geotextile.	

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 11 Photo shows the placement of seed and straw over installed clean soil.		
Photograph 12 Photo shows the placement of seed and straw over installed clean soil.		

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 13 Photo shows complete construction from Lyon Street looking southeast.		
Photograph 14 Photo shows complete construction from Lyon Street looking south.		

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 15 Photo shows complete construction looking northeast.		
Photograph 16 Photo shows completed silt fence installation at down gradient.		

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 17 Photo shows completed silt fence installation at down gradient.	
Photograph 18 Photo shows catch basin repair.	

Photographic Log
Site -Former Mohasco Mills Complex
Site Visit – 10/09/2024
James Environmental Management

Photograph 19 Photo shows catch basin repair, closeup.	