Sterling Environmental Engineering, P.C.

NORTHEAST TREATERS OF NEW YORK, LLC
GREENE COUNTY, NEW YORK

Periodic Review Report
(September 1, 2022 – September 1, 2023)

NYSDEC Site Number: C420029

Prepared for:
Athens Real Estate, LLC
860 Cannon Bridge Rd
Orangeburg, SC 29115

Prepared by:
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

September 19, 2023

Revised
April 30, 2024

"Serving our clients and the environment since 1993"

NORTHEAST TREATERS OF NEW YORK, LLC
GREENE COUNTY, NEW YORK

PERIODIC REVIEW REPORT
(September 1, 2022 – September 1, 2023)

NYSDEC SITE #C420029

Table of Contents

Page #

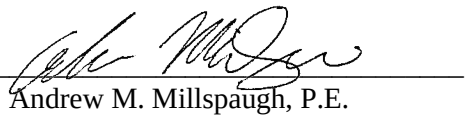
Figures

Appendices

CERTIFICATION

For each institutional or engineering control identified for the Site, I, Andrew M. Millspaugh, P.E., certify that all of the following statements are true:

a) The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
b) The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by DER;
c) Nothing has occurred that would impair the ability of such control to protect public health and the environment;
d) Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
e) Access to the Site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control;
f) Use of the Site is compliant with the environmental easement;
g) The engineering control systems are performing as designed and are effective;
h) To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program; and,
i) The information presented in this report is accurate and complete.



Andrew M. Millspaugh, P.E.

04/30/2024

Date

EXECUTIVE SUMMARY

The Site is located at 796 Schoharie Turnpike in the Town of Athens, Greene County, New York (see Figure 1) and is identified as a portion of Athens Tax Map Parcel 104.00-4-44. The Site is an approximate 4.0-acre area bounded by the facility stormwater basin to the north, a commercial garage to the south, undeveloped lands to the east, and a lumber storage yard to the west (see Figure 2).

The Site consists of a wood treatment process building and a lumber storage area. The Site is zoned Industrial and is currently utilized for industrial wood treatment and storage. The immediate vicinity of the Site primarily includes industrial, commercial, rural residential, and agricultural properties.

The Site has been investigated and remediated under the New York State Department of Environmental Conservation's (NYSDEC) Brownfield Cleanup Program (BCP) and is identified as BCP Site No. C420029. Remedial activities were completed in 2016 in accordance with the October 2, 2015 Remedial Work Plan and the December 7, 2015 Remedial Work Plan Addendum to address sediment and soil impacted with heavy metals arsenic and chromium. The selected remedy included excavation of impacted soil and sediment and consolidation onsite beneath a protective cover.

A Certificate of Completion (COC) issued by the NYSDEC on November 14, 2016 and a Site Management Plan (SMP), dated July 15, 2016 and last revised October 12, 2021, is in place for the Site. This Periodic Review Report (PRR) presents results of monitoring activities outlined in the SMP for the September 1, 2022 to September 1, 2023 reporting period, which includes a Site-wide inspection and post-remediation media sampling conducted August 4, 2023.

The remedial program implemented at the Site has been successful in meeting the Remedial Action Objectives set forth in the NYSDEC Decision Document. The Site-wide inspection confirmed the protective cover remains intact and functional. Post-remediation media sampling of sediment confirmed offsite migration of Site impacts is not occurring. No areas of non-compliance with the SMP were identified. The requirements for discontinuing Site management have not been met at this time.

1.0 INTRODUCTION

Sterling Environmental Engineering, P.C. (STERLING) prepared this Periodic Review Report (PRR) on behalf of Athens Real Estate, LLC (hereinafter the "facility owner") for Brownfield Cleanup Program (BCP) Site No. C420029 (hereinafter the "Site"). The Site is located at 796 Schoharie Turnpike in the Town of Athens, Greene County, New York (see Figure 1). The Site is an approximate 4.0-acre area, identified as a portion of Athens Tax Map Parcel 104.00-4-44, bounded by the facility stormwater basin to the north, a commercial garage to the south, undeveloped lands to the east, and a lumber storage yard to the west (see Figure 2). The Site has been investigated and remediated under the New York State Department of Environmental Conservation's (NYSDEC) BCP. Remedial activities were completed in 2016 in accordance with the October 2, 2015 Remedial Work Plan and the December 7, 2015 Remedial Work Plan Addendum. A Certificate of Completion (COC) was issued by the NYSDEC on November 14, 2016.

A Site Management Plan (SMP), dated July 15, 2016 and last revised October 12, 2021, is in place for the Site. This PRR presents results of monitoring activities outlined in the SMP for the September 1, 2022 to September 1, 2023 reporting period, which includes a Site-wide inspection and post-remediation media sampling conducted August 4, 2023.

1.1 Summary of Site Contamination

The Site consists of a wood treatment process building and a lumber storage area. The Site is zoned Industrial and is currently utilized for industrial wood treatment and storage by the facility owner. The immediate vicinity of the Site primarily includes industrial, commercial, rural residential, and agricultural properties. The Site began operation as a pressure treating wood manufacturing facility in 1979. For a period of time, the facility utilized chromated copper arsenate (CCA) to pressure treat wood products. In 2003, the facility switched to Micronized Copper Azole, a non-hazardous preservative.

The nature and extent of contamination at the Site are documented in the August 3, 2015 Remedial Investigation Report. Heavy metals chromium and arsenic were detected during the Remedial Investigation in surficial soils within the boundaries of the Site and in the settling basin located beyond the boundaries of the Site at the westernmost portion of the property (hereafter "western settling basin").

Soil and Sediment

Several soil and sediment samples collected at the Site, in offsite facility catch basins, and the facility's western settling basin reported parameter concentrations that exceed Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCO) for chromium and arsenic.

Site-Related Groundwater

Groundwater analytical data determined that perched water and bedrock groundwater were not impacted by Site contaminants of concern.

Site-Related Soil Vapor Intrusion

Based upon the documented Site history, previous investigations, and analytical results obtained during the RI, no risk of soil vapor intrusion is associated with the Site because no volatile organic compounds (VOC) were detected in onsite soils. Furthermore, the Site does not have a documented history of storing or using chlorinated VOCs.

1.2 Remedial Elements

The physical elements of the selected remedy are as follows:

- Cover System – A Site protective cover to allow for commercial use of the Site. The cover consists of a combination of structures comprising the Site development (i.e., new Process Building and pavement) or one (1) foot of soil cover over a geotextile demarcation layer. The one (1) foot of soil cover meets the requirements of 6 NYCRR Part 375-6.7(d).

- Limited Excavation – Excavation of impacted soil/sediment in the vicinity of the facility's basin exit swale, located downgradient of the facility's western settling basin. Excavated soil was consolidated onsite under the cover system.

- Removal of all Sediment from Impacted Catch Basins – Removal of impacted stormwater sediment from facility catch basins located hydraulically downgradient from the Site. Sediment removed from impacted catch basins was consolidated onsite under the cover system.

- Offsite Settling Basin Closure Plan – In accordance with the NYSDEC Decision Document, a Closure Plan for the western settling basin was prepared and will be implemented when the facility permanently ceases use of the basin. The Closure Plan is included in the SMP.

1.3 Remedial Action Objectives

The Remedial Action Objectives (RAO) for the Site as listed in the Decision Document dated December 31, 2015 are as follows:

<u>Soil</u>

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that could result in groundwater or surface water impacts.
- Prevent impacts to biota from ingestion/direct contact with soil causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

<u>Sediment</u>

RAOs for Public Health Protection

- Prevent direct contact with contaminated sediments.

RAOs for Environmental Protection

- Restore sediments to pre-release/background conditions to the extent feasible.

2.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

This section provides an evaluation of the extent to which the implemented remedy meets the remedial objective to minimize or eliminate exposure pathways or significant risks to the public or the environment under the conditions of the contemplated use of the Site (i.e., Restricted Commercial and Industrial).

2.1 Performance

The potential migration of and exposure to remaining impacted media are prevented by the Site protective cover. Concentrations of arsenic detected in sediment samples obtained on August 4, 2023 at the western settling basin exit swale exceeded the applicable Standards, Criteria, and Guidance (SCG) at monitoring locations MP-U, MP-M and MP-D resulting in an average arsenic concentration exceeding the Restricted Use Commercial Soil Cleanup Objective. The detected concentrations are within the known range of arsenic reported in the Remedial Investigation Report and Final Engineering Report at the completion of excavation activities in the western settling basin exit swale. The consistent concentrations at the downstream sampling location MP-D and the sampling location at the property line (MP-1) suggest offsite migration of impacted sediment from the settling basin is not occurring.

In response to NYSDEC's request, a Corrective Measures Work Plan dated January 29, 2024 was prepared to perform additional sampling to assess the variability of arsenic concentrations in the settling basin exit swale. A copy of the Work Plan is included in Appendix D.

2.2 Effectiveness

The selected remedy is an effective short-term and long-term remedial measure. The selected remedy immediately eliminated the potential for human and environmental exposure to impacted Site media. Sediment sampling at the western settling basin exit swale monitors the effectiveness of the remedy and for impacts from residual contaminants. Post-remediation media sampling is an accepted method of monitoring the long-term effectiveness of remediation. There are no known risks to workers, the community, or the environment from the selected remedy. No areas of non-compliance with the SMP were identified.

2.3 Protectiveness

Results of the August 4, 2023 and April 2, 2024 monitoring and sampling indicate the area of contamination remains localized to the Site beneath the protective cover. The potential migration of and exposure to remaining onsite impacted media are prevented by the Site protective cover. Offsite migration from the western settling basin is not occurring, as documented by exit swale sediment samples. Detected concentrations of arsenic exceeding applicable SCGs are within the known range of arsenic reported in the Remedial Investigation Report and Final Engineering Report at the completion of excavation activities within the western settling basin exit swale. Therefore, the implemented remedy achieves the Site RAOs.

3.0 IC/EC COMPLIANCE REPORT

3.1 Institutional Controls

The Institutional Control (IC) for the Site consists of an Environmental Easement (EE) that includes land use restrictions, an SMP, and certification reporting. The EE prohibits the use of the property for any means other than the contemplated Restricted Commercial and Industrial Use. The EE requires compliance with the SMP, including the periodic reporting covered by this report. The EE for the property that outlines the use restrictions was filed in Greene County on September 20, 2016 (Receipt No. 20160020459). The property was sold to the current facility owner on June 30, 2022 and transfer of the EE was filed in Greene County on July 28, 2022 (Receipt No. 20220173371).

3.2 Engineering Controls

Exposure to remaining impacted media is prevented by the Site protective cover. The type of cover varies across the Site and comprises a demarcation geotextile fabric covered by an asphalt pavement profile, concrete structural components, or a minimum of one (1) foot soil cover. The Excavation Work Plan (EWP) provided in the SMP outlines required procedures if the cover system is breached, penetrated, or temporarily removed exposing the underlying impacted media. Procedures for the inspection and maintenance of this cover system are provided in the Monitoring Plan included in the SMP.

3.3 Corrective Measures

The Site ICs/ECs are fully in place and effective. Therefore, no corrective measures are proposed at this time.

3.4 IC/EC Certification

The NYSDEC IC/EC Certification Form is provided as Appendix A.

4.0 MONITORING PLAN COMPLIANCE REPORT

4.1 Components of the Monitoring Plan

Components of the monitoring plan are summarized below.

Monitoring Plan Components	
Inspections:	Frequency
1. Cover Inspection	Annually
Monitoring:	
1. Sediment Sampling at Drainage Swale Downgradient of SPDES Outfall #001* for total chromium and arsenic	Annually
Maintenance:	
1. Cover Maintenance	As needed

2. Swale Maintenance	As needed
Reporting:	
1. Periodic Review Report	Annually

*SPDES Outfall #001 is monitored pursuant to Multi-Sector General Permit (MSGP) No. NYR00G736 independent of the SMP.

4.1.1 Site-Wide Inspection

The Site protective cover was visually inspected for potholes and cracks wider than 1/4 inch. Soil cover was visually inspected for signs of erosion and areas of bare soil. The condition of the building slab at the wood treatment process building was visually inspected for cracks and penetrations.

Maintenance of the Site protective cover will be conducted by the property owner as needed based on inspection observations. As documented in the inspection form and photograph log (Appendix B), a minor erosional rill was beginning to form within the protective soil cover system on the southern abatement berm. This area should be maintained by filling with soil and seeded to prevent further erosion.

4.1.2 Post-Remediation Media Monitoring and Sampling

Sediment samples were collected from the following outflow locations of the western settling basin as shown on Figure 3:

Post Remediation Sediment Sampling Requirements and Schedule

Sediment Sampling Locations	Analytical Parameters	Schedule
MP-U MP-M MP-D MP-1	TAL Metals – USEPA Method 6010D (Total Arsenic and Total Chromium Only)	Annually

Sampling of sediment that accumulates in the western settling basin exit swale were performed to assess the quality of the sediment following completion of the remedial actions. Modification to the sampling frequency or sampling requirements may only be modified with the approval of the NYSDEC.

The sediment sample locations were designed based on existing and anticipated drainage of the Site. The four (4) sediment samples are located along the western settling basin exit swale at upstream, mid-stream, and downstream sections of the swale and along the downstream property boundary as shown in Figure 3. Surface sediment samples were collected at each location between grade surface and approximately two (2) inches below grade. Samples were analyzed for total arsenic and total chromium via USEPA Method 6010D.

In the event that average concentrations of arsenic and/or chromium (and/or individual hot spot areas) are detected in the western settling basin exit swale above restricted commercial-use CUSCOs, the facility owner will prepare a Response Plan to address impacted sediment to be submitted to, and approved by, the NYSDEC. In addition, the SMP provides that an Investigation Work Plan will be prepared at the time the facility ceases use of the western settling basin to delineate the extent of lateral and vertical impact to soil and sediment located hydraulically downgradient of the basin.

4.2 Summary of Monitoring Data

4.2.1 Results of Site-Wide Inspection

A comprehensive Site-wide inspection was conducted on August 4, 2023 in accordance with the SMP. The Site-Wide Inspection Form and photographs are provided as Appendix B.

As documented in the inspection form and photograph log (Appendix B), a minor erosional rill was beginning to form within the protective soil cover system on the southern abatement berm. This area was repaired by filling with topsoil and seed to re-establish vegetation. In addition, developing potholes in the asphalt cover system were repaired by filling with concrete to match the surrounding grade.

4.2.2 Results of Post-Remediation Media Monitoring and Sampling

Post-remediation media monitoring and sampling were conducted on August 4, 2023 in accordance with the SMP. Sediment sample locations are provided in Figure 3, and the corresponding laboratory analytical report is provided in Appendix C.

Field sampling locations were located using a Trimble global positioning system (GPS) to ensure sampling occurred at the locations specified in the SMP. At the time of sampling, the water level within the channel was approximately one (1) foot deep. Samples were collected directly along the swale channel centerline.

A summary of post-remediation media sampling results is provided on the following table.

Table 1 - Summary of Post-Remediation Sediment Sampling Results

	Arsenic, Total (mg/kg) CUSCO = 16 UUSCO = 13					**Chromium, Total (mg/kg) CUSCO = 1,500 UUSCO = 30**				
DATE	**MP-U**	**MP-M**	**MP-D**	**MP-1**	**AVG**	**MP-U**	**MP-M**	**MP-D**	**MP-1**	**AVG**
8/13/2018	13.0	14.4	9.15	NS	12.18	23.5	34.8	20.1	NS	26.13
8/19/2019	14.5	12.7	**19.5**	NS	15.57	22.7	21.0	51.9	NS	31.87
8/25/2020	9.26	7.85	**20.3**	NS	12.47	17.5	18.6	31.3	NS	22.47
8/5/2021	7.3	9.33	**22.2**	NS	12.94	19.5	20.2	47.7	NS	29.13
9/1/2021	NS	NS	**27.4**	**17.6**	**22.5**	NS	NS	NS	NS	NS
7/26/2022	**18.5**	13.2	12.4	13.3	14.35	26.9	20.9	18.8	18.0	21.15
8/4/2023	**18.8**	**23.7**	**18.4**	7.9	**17.2**	48.1	77.4	40.1	28.4	48.5

Notes:
CUSCO: NYSDEC Restricted Commercial Use Soil Cleanup Objectives per 6 NYCRR Part 375-6.8.
UUSCO: NYSDEC Unrestricted Use Soil Cleanup Objectives per 6 NYCRR Part 375-6.8.
NS: Not Sampled
BOLD: Concentration exceeds CUSCO

Detections of total chromium were compared to trivalent chromium SCOs because previous Site sampling

indicated that chromium speciation is predominantly trivalent. Concentrations of chromium are orders of magnitude below the CUSCO.

Concentrations of arsenic in the MP-U, MP-M, and MP-D samples from western settling basin exit swale exceeded the CUSCO. The detected concentrations are within the known range of arsenic reported in the Remedial Investigation Report and Final Engineering Report at the completion of excavation activities in the western settling basin exit swale. Furthermore, the consistent arsenic concentration at sampling location MP-D and decreasing concentration at MP-1 suggests migration of arsenic-impacted sediment from the site is not occurring.

Based on the average arsenic concentration exceeding the CUSCO, NYSDEC requested submission of a Corrective Measures Work Plan. In response to NYSDEC's request, a Corrective Measures Work Plan dated January 29, 2024 was prepared to perform additional sampling to assess the variability of arsenic concentrations in the settling basin exit swale. A copy of the Work Plan is included in Appendix D. Additional sampling included re-sampling the four monitoring locations required by the SMP plus two additional sample locations as shown on Figure 3: MP-2 located between MP-U and MP-M and MP-3 located between MP-M and MP-D. Additional sampling was completed on April 2, 2024 and the results are summarized in the table below.

The results of the additional sampling are consistent with historical data and resulted in an average arsenic concentration lower than the prior monitoring event. The data indicate that higher arsenic concentrations are located in the upper to middle portion of the western settling basin exit swale and are not migrating offsite. The detected concentrations are within the known range of arsenic reported in the Remedial Investigation Report and Final Engineering Report. A closure plan will be prepared and implemented for the western settling basins and downgradient drainage swale when the facility permanently ceases its use.

Table 2 - Summary of Corrective Measures Sediment Sampling Results

	Arsenic, Total (mg/kg) CUSCO = 16 UUSCO = 13						
DATE	**MP-U**	**MP-2**	**MP-M**	**MP-3**	**MP-D**	**MP-1**	**AVG**
4/2/24	**17.0**	**22.7**	**24.9**	13.4	9.8	12.6	**16.7**

Notes:
CUSCO: NYSDEC Restricted Commercial Use Soil Cleanup Objectives per 6 NYCRR Part 375-6.8.
UUSCO: NYSDEC Unrestricted Use Soil Cleanup Objectives per 6 NYCRR Part 375-6.8.
BOLD: Concentration exceeds CUSCO

5.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

5.1 Compliance with SMP

All requirements of the SMP (i.e., site inspection, monitoring, and IC/EC certification) have been complied with for the reporting period.

5.2 Performance and Effectiveness of the Remedy

The results of the Site-wide inspection and post-remediation media monitoring and sampling suggest that Site engineering controls are effectively achieving RAOs.

5.3 Future PRR Submittals

The submittal frequency of future PRRs will remain on an annual basis.

5.4 Recommendations

No changes to the PRR reporting frequency are recommended. The requirements for discontinuing site management have not been met.

6.0 IC AND EC CERTIFICATION FORM

The NYSDEC Institutional and Engineering Control Certification Form for the Site is presented in Appendix A.

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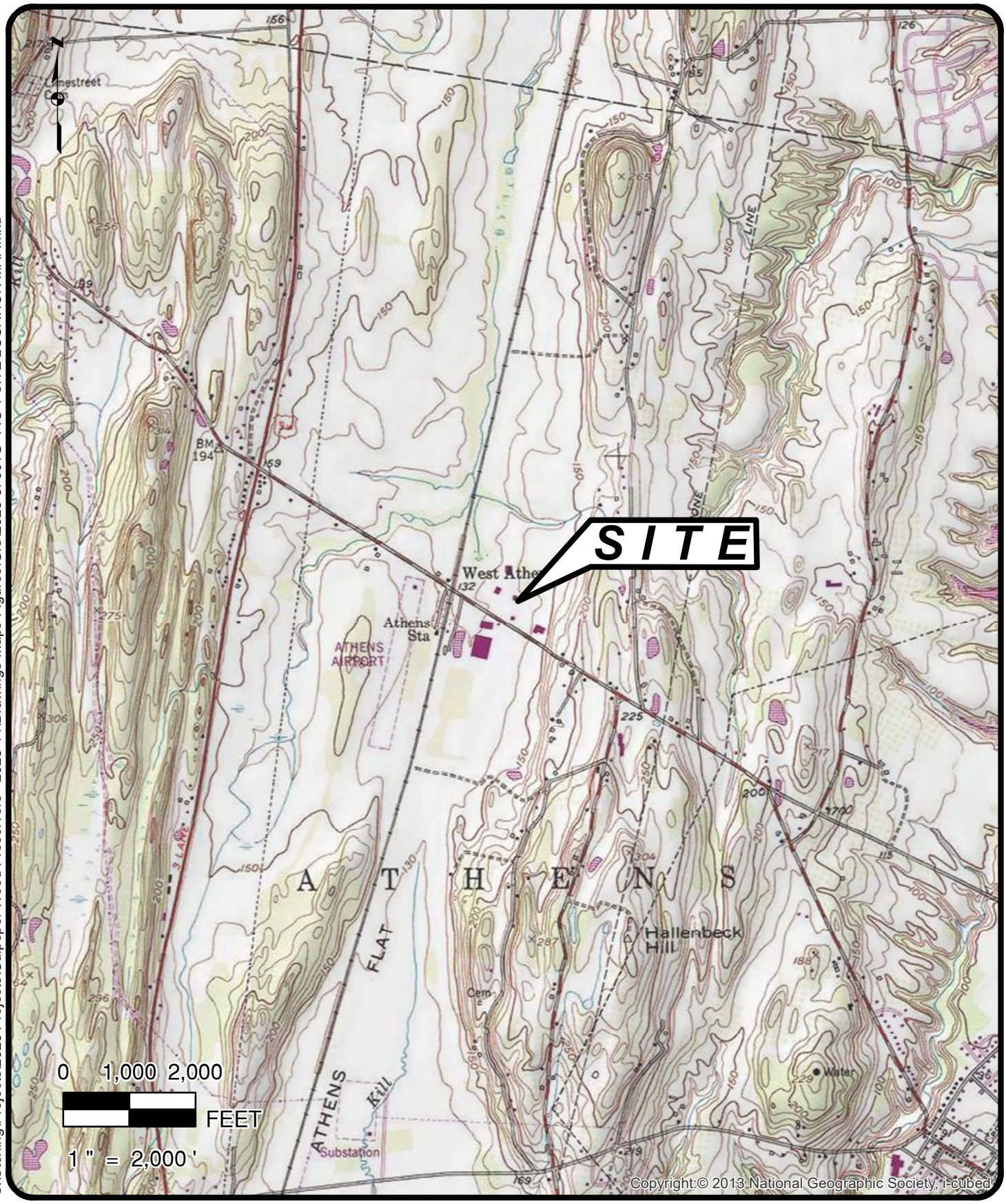
FIGURES



S:\Sterling\Projects\2023 Projects\Culpeper Wood Preservers - 2023-14\Drawings-Maps-Figures\GIS\2023-37001G- FIG 1 SITE LOCATION MAP.mxd

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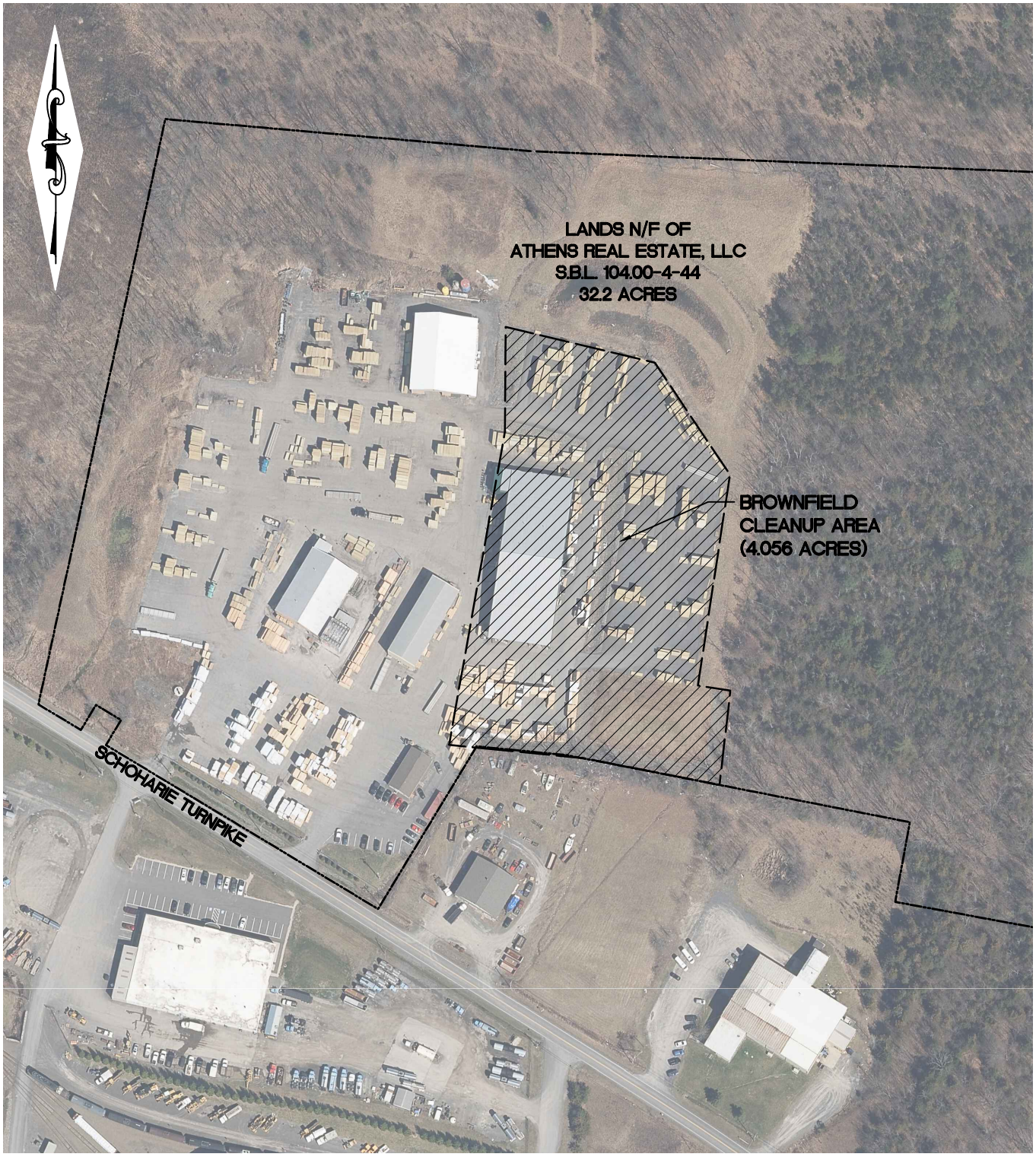
SITE LOCATION MAP

CULPEPER WOOD PRESERVERS - ATHENS

796 SCHOHARIE TURNPIKE

TOWN OF ATHENS GREENE CO., NY

PROJ.NO. 2023-14	DATE: 06/22/2023	SCALE: 1 " = 2,000 '	DWG.NO.2023-14001G	FIGURE 1



LEGEND:

APPROXIMATE PROPERTY BOUNDARY

0 100 200 400

1 inch = 200 ft.

MAP REFERENCE: DISCOVER GIS DATA NY ORTHOIMAGERY, 2021.

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SUBJECT PROPERTY AND SITE MAP

CULPEPER WOOD PRESERVERS–ATHENS

SCHOHARIE TURNPIKE

TOWN OF ATHENS GREENE CO., N.Y.

PROJ. No.: 2023–14	DATE: 07/26/2023	SCALE: 1" = 200'	DWG. NO. 2023–14002	FIGURE 2

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7/26/2023 9:47 AM

LEGEND:

APPROXIMATE PROPERTY BOUNDARY

APPROXIMATE SAMPLE LOCATIONS

MAP REFERENCE: DISCOVER GIS DATA NY ORTHOIMAGERY, 2021.

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POST–REMEDIATION MEDIA SAMPLING
SEDIMENT SAMPLE LOCATION MAP

CULPEPER WOOD PRESERVERS–ATHENS

SCHOHARIE TURNPIKE

TOWN OF ATHENS GREENE CO., N.Y.

PROJ. No.: 2023–14	DATE: 01/16/2024	SCALE: 1" = 30'	DWG. NO. 2023–14004	FIGURE 3

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APPENDIX A

NYSDEC INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C420029

Site Name Northeast Treaters of New York, LLC

Site Address: 796 Schoharie Turnpike Zip Code: 12015
City/Town: Athens
County: Greene
Site Acreage: 4.056

Reporting Period: September 01, 2022 to September 01, 2023

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? MSGP Stormwater Discharge Permit GP-0-23-001 **If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.**	X	☐
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C420029 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
104.00-4-44	Athens Real Estate, LLC	Soil Management Plan Site Management Plan Landuse Restriction

Imposition of an institutional control in the form of an environmental easement for the controlled property which will require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8(h)(3); allow the use and development of the controlled property for commercial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws; require compliance with the Department approved Site Management Plan.

Note controlled property includes the entire BCP site as well as "off-site" areas of the greater Northeast Treaters facility which have been impacted by site-related contamination, including the settling basin and the basin exit swale.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
104.00-4-44	Cover System

Cover System: A site cover will be required to allow for commercial use of the site. The cover will consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where the soil cover is required it will be a minimum of one foot of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d).

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C420029

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joshua J. Adkins (print name) at 796 Schoharie Turnpike, Athens NY 12015 (print business address),

am certifying as **Owner** (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date: 9/19/2023

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Andrew Millspaugh, P.E. at 24 Wade Road, Latham, NY 12110,
print name print business address

am certifying as a Qualified Environmental Professional for the Owner
(Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

09/19/2023
Date

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233-3505
P: (518) 402-8111 | F: (518) 402-9029
www.dec.ny.gov

8/23/2023

Culpeper of Athens, LLC
796 SCHOHARIE TPKE
ATHENS, NY 12015

Re: Acknowledgement of Notice of Intent for Coverage under SPDES Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (GP-0-23-001)
Facility Name: Culpeper Wood Preservers - Athens

SPDES ID: NYR00G736

Dear Owner/Operator,

This is to acknowledge that the New York State Department of Environmental Conservation (the Department) has received a complete electronic Notice of Intent (eNOI) for coverage under the State Pollutant Discharge Elimination System (SPDES) Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (MSGP) GP-0-23-001 for the following facility:

Culpeper Wood Preservers - Athens
796 Schoharie Turnpike
Athens, NY 12015
Greene

The SPDES identification number for this facility is **NYR00G736**

This authorization becomes effective on **09/15/2023**

, and is conditioned upon the following:

- The information submitted in the eNOI received by the Department is accurate and complete.
- The Owner or Operator has developed and is implementing a Stormwater Pollution Prevention Plan (SWPPP) that complies with MSGP GP-0-23-001.
- When applicable, project review pursuant to the State Environmental Quality Review Act (SEQR) has been satisfied.
- All applicable Uniform Procedures Act (Environmental Conservation Law, 6NYCRR Part 621) permits have been obtained. Contact your Regional Permit Administrator

(http://www.dec.ny.gov/permits/363.html) for further information. See Appendix E in the Permit for Regional Offices contact information.

Annual Reporting
Please be advised that an Annual Certification Report (ACR) must be completed at the end of each calendar year and must be submitted electronically by January 28th of the following year. Access to the electronic ACR can be found on the Department's website.
https://www.dec.ny.gov/chemical/9009.html

Monitoring your stormwater discharges
You are responsible for making sure you understand all monitoring requirements. If your facility has stormwater discharges that are subject to quarterly or semi-annual benchmark or compliance monitoring (based upon information submitted in your NOI), then you are required to submit your sampling results using EPA's NetDMR system. Instructions on how to register for NetDMR are located on the DEC website at: http://www.dec.ny.gov/chemical/8461.html.

All questions related to DMR reporting or registering for NetDMR should be directed to (518) 402-8177 or email NetDMR@dec.ny.gov

Modifying the facility's NOI data
If you need to make changes to your existing eNOI information you must submit those changes electronically on the eNOI form.

Annual Regulatory Fee
The annual regulatory fee for the MSGP will be billed by the Department at the end of each Calendar year. For invoice questions contact the Department's Fee Determination Unit (518) 402-9343.

If you have any questions or require additional information, please contact Steven McCague at (518) 402-8108 or steven.mccague@dec.ny.gov. Please be sure to include the SPDES identification number of the facility on any forms or correspondence you send the Department related to this general permit coverage.

Sincerely,

Steven J McCague, P.E.
MSGP Permit and Coordinator

APPENDIX B

SITE-WIDE INSPECTION FORM AND PHOTOGRAPHS

CULPEPER WOOD PRESERVERS
796 SCHOHARIE TURNPIKE, ATHENS, NY
SITE #C420029
SITE-WIDE INSPECTION FORM

Date: 8/4/2023

Inspected By: Paul Scholar, Matthew Bernhardt

Weather Conditions: Overcast, 73 F

Site Property Item	Condition		Remarks
	Acceptable	Not Acceptable	
1. Compliance with SMP/Environmental Easements	☑	☐	
2. Condition of Protective Cover a. Asphalt	☑	☐	a. Continued monitoring of potholes in asphalt cover.
b. Soil	☑	☐	b. Erosion observed on southern soil cover berm.
c. Concrete	☑	☐	c.
3. General Site Conditions at Time of Inspection	☑	☐	
4. Site Records Up-To-Date	☑	☐	
5. Additional Comments/Notes: Erosional rill should be filled with soil and seeded to prevent further erosion. See photo log.			

CULPEPER WOOD PRESERVERS-ATHENS
796 SCHOHARIE TURNPIKE, ATHENS, NY
SITE #C420029

SAMPLING SUMMARY

Date: 08/04/2023

Sampled By Paul Scholar

Weather Conditions: Overcast, 73 F

Sample ID	Collection Date & Time	Analysis	Physical Description of Materials (ie. Soil type, texture, moisture, color, odor,etc)	Comments
MP-1	9:30	Total Metals As, Cr	Brown sediment, silts and organic material, wet, earthy odor	None
MP-D	9:45	Total Metals As, Cr	Brown sediment, silts and organic material, wet, earthy odor	DUP08042023 collected at MP-D
MP-M	10:00	Total Metals As, Cr	Brown sediment, silts and organic material, wet, earthy odor	None
MP-U	10:15	Total Metals As, Cr	Brown sediment, silts and organic material, wet, earthy odor	None

Overall Conditions:

Sampling area was in acceptable condition.

Additional Comments: NA

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
1	2023-08-04	10:17

Direction Looking: Southwest

Comments:
Southwestern portion of protective asphalt cover and southern soil cover berm in acceptable condition.

Photo No.	Date	Time
2	2023-08-04	10:17

Direction Looking: West

Comments:
Overview of southwestern portion of protective asphalt cover in acceptable condition.

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
3	2023-08-04	10:16

Direction Looking: Northwest

Comments:
Overview of central portion of protective asphalt cover in acceptable condition.

Photo No.	Date	Time
4	2023-08-04	10:16

Direction Looking: North

Comments:
Overview of eastern portion of protective asphalt cover in acceptable condition.

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project: Culpeper Wood Preservers

Photo By: Paul Scholar

Photo No.	Date	Time
5	2023-08-04	10:16

Direction Looking: Northwest

Comments:
Southern soil cover berm and perimeter drainage in acceptable condition.

Photo No.	Date	Time
6	2023-08-04	10:16

Direction Looking: East

Comments:
Southern soil cover berm in acceptable condition.

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
7	2023-08-04	10:20

Direction Looking: North

Comments:
Eastern portion of protective asphalt cover in acceptable condition.

Photo No.	Date	Time
8	2023-08-04	10:27

Direction Looking: North

Comments:
Northern portion of protective asphalt cover in acceptable condition.

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
9	2023-08-04	10:27

Direction Looking: Northwest

Comments:
Northwestern portion of protective asphalt cover in acceptable condition

Photo No.	Date	Time
10	2023-08-04	10:28

Direction Looking: South

Comments:
Grade transition area between treatment process building and storage area in acceptable condition.

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
11	2023-08-04	10:27

Direction Looking: Northwest

Comments:
Northwestern portion of protective asphalt cover in acceptable condition.

Photo No.	Date	Time
12	2023-08-04	10:30

Direction Looking: North

Comments:
Northern grade transition area in acceptable condition.

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
13	2023-08-04	10:31

Direction Looking: East

Comments:
Central portion of protective asphalt cover in acceptable condition directly north of the treatment process building.

Photo No.	Date	Time
14	2023-08-04	10:34

Direction Looking: South

Comments:
Southern portion of protective asphalt cover in acceptable condition directly east of the treatment process building. Small pot holes observed to be forming in asphalt along building.

STERLING
Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
15	2023-08-04	10:23

Direction Looking: West

Comments:
Southern portion of protective asphalt cover in acceptable condition.

Photo No.	Date	Time
16	2023-08-04	10:23

Direction Looking: North

Comments:
Grade transition area between treatment process building and storage area in acceptable condition.

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
17	2023-08-04	10:33

Direction Looking: Northwest

Comments:
View of bollard repaired with patched asphalt.

Photo No.	Date	Time
18	2023-08-04	10:32

Direction Looking: East

Comments:
Southwest perimeter of process building.

Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
19	2023-08-04	10:38

Direction Looking: North

Comments:
Representative concrete cover in acceptable condition within treatment process building.

Photo No.	Date	Time
20	2023-08-04	10:38

Direction Looking: East

Comments:
Representative concrete cover in acceptable condition within treatment process building

STERLING
Sterling Environmental Engineering, P.C.

DAILY PHOTOGRAPH LOG

Project:	Culpeper Wood Preservers
Photo By:	Paul Scholar

Photo No.	Date	Time
21	2023-08-04	10:19

Direction Looking:	South

Comments:
Minor erosion rill beginning to form within the southern protective soil cover berm.

APPENDIX C

POST-REMEDIATION MEDIA SAMPLING ANALYTICAL RESULTS

Wednesday, August 23, 2023

Attn:
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Project ID: **CULPEPER**
SDG ID: **GCO67061**
Sample ID#s: **CO67065 - CO67065**

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

August 23, 2023

SDG I.D.: GCO67061

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

August 23, 2023

SDG I.D.: GCO67061

Project ID: CULPEPER

Client Id	Lab Id	Matrix
MP-1	CO67061	SEDIMENT
MP-D	CO67062	SEDIMENT
MP-M	CO67063	SEDIMENT
MP-U	CO67064	SEDIMENT
DUP08042023	CO67065	SEDIMENT

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 23, 2023

FOR: Attn:
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	08/04/23	9:30
Location Code:	STERLING	Received by:	SR1	08/04/23	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCO67061
Phoenix ID: CO67061

Project ID: CULPEPER
Client ID: MP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	7.9	2.7	mg/Kg	1	08/21/23	CPP	SW6010D
Chromium	28.4	1.3	mg/Kg	1	08/21/23	CPP	SW6010D
Percent Solid	24		%		08/04/23	CV	SW846-%Solid
Total Metals Digest	Completed				08/09/23	P/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 23, 2023
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 23, 2023

FOR: Attn:
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	08/04/23	9:45
Location Code:	STERLING	Received by:	SR1	08/04/23	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCO67061
Phoenix ID: CO67062

Project ID: CULPEPER
Client ID: MP-D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	18.4	4.0	mg/Kg	1	08/21/23	CPP	SW6010D
Chromium	40.1	2.0	mg/Kg	1	08/21/23	CPP	SW6010D
Percent Solid	18		%		08/04/23	CV	SW846-%Solid
Total Metals Digest	Completed				08/09/23	P/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 23, 2023
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 23, 2023

FOR: Attn:
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	08/04/23	10:00
Location Code:	STERLING	Received by:	SR1	08/04/23	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCO67061
Phoenix ID: CO67063

Project ID: CULPEPER
Client ID: MP-M

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	23.7	2.8	mg/Kg	1	08/17/23	IE	SW6010D
Chromium	77.4	1.4	mg/Kg	1	08/17/23	IE	SW6010D
Percent Solid	21		%		08/04/23	CV	SW846-%Solid
Total Metals Digest	Completed				08/09/23	/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 23, 2023
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 23, 2023

FOR: Attn:
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	08/04/23	10:15
Location Code:	STERLING	Received by:	SR1	08/04/23	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCO67061
Phoenix ID: CO67064

Project ID: CULPEPER
Client ID: MP-U

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	18.8	2.4	mg/Kg	1	08/21/23	CPP	SW6010D
Chromium	48.1	1.2	mg/Kg	1	08/21/23	CPP	SW6010D
Percent Solid	26		%		08/04/23	CV	SW846-%Solid
Total Metals Digest	Completed				08/09/23	P/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 23, 2023
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 23, 2023

FOR: Attn:
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	08/04/23	
Location Code:	STERLING	Received by:	SR1	08/04/23	17:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCO67061
Phoenix ID: CO67065

Project ID: CULPEPER
Client ID: DUP08042023

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	24.6	2.0	mg/Kg	1	08/21/23	CPP	SW6010D
Chromium	55.8	0.98	mg/Kg	1	08/21/23	CPP	SW6010D
Percent Solid	35		%		08/04/23	CV	SW846-%Solid
Total Metals Digest	Completed				08/09/23	P/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 23, 2023
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

QA/QC Report

August 23, 2023

QA/QC Data

SDG I.D.: GCO67061

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 691455 (mg/kg), QC Sample No: CO66977 (CO67061, CO67062, CO67064, CO67065)													
ICP Metals - Soil													
Arsenic	BRL	0.67	5.40	6.50	18.5	99.0	102	3.0	94.2	95.5	1.4	75 - 125	35
Chromium	BRL	0.33	6.50	7.80	18.2	101	104	2.9	96.1	97.8	1.8	75 - 125	35
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													
QA/QC Batch 691454 (mg/kg), QC Sample No: CO69423 (CO67063)													
ICP Metals - Soil													
Arsenic	BRL	0.67	2.20	2.5	NC	98.0	96.8	1.2	97.4			75 - 125	35
Chromium	BRL	0.33	47.2	51.3	8.30	102	102	0.0	104			75 - 125	35
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 23, 2023

Wednesday, August 23, 2023

Criteria: NY: 375

State: NY

Sample Criteria Exceedances Report

GCO67061 - STERLING

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CO67062	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	18.4	4.0	13	13	mg/Kg
CO67063	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	23.7	2.8	13	13	mg/Kg
CO67064	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	18.8	2.4	13	13	mg/Kg
CO67065	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	24.6	2.0	13	13	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

August 23, 2023 SDG I.D.: GCO67061

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

August 23, 2023

SDG I.D.: GCO67061

The samples in this delivery group were received at 2.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

NY/NJ/PA CHAIN OF CUSTODY RECORD

Temp 2.2 °C Pg of

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Phone: 518456-4900
[ ] Fax:
[ ] Email: See comments

Customer: Sterling Environmental
Address: 24 Wade Rd
Latham NY 12110

Project: Culpeper
Report to: (Sterling) Paul Scholer
Invoice to: Sterling
QUOTE # :

Project P.O: 2023-14

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Paul Scholer Date: 8-4-2023

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request: Total Cr, As

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Total Cr, As	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container (4) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL NaOH 250ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
670661	MP-1	SED	8-4-2023	930	X				1								
670662	MP-D	SED		945	X				1								
670663	MP-M	SED		1000	X				1								
670664	MP-U	SED		1015	X				1								
670665	DUP08042023	SED		—	X				1								

Relinquished by:	Accepted by:	Date:	Time:
		8-4-2023	1145
			2350
		8/4/23	1713

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[X] 5 Days
[X] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[X] 375SCO Unrestricted Soil
[ ] 375SCO Residential Soil
[ ] 375SCO Residential Restricted Soil
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected? NY

Comments, Special Requirements or Regulations:
Email:
paul.scholer@sterlingenvironmental.com

Data Format:
[X] Phoenix Std Report
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD
[ ] Other

Data Package:
[ ] NJ Reduced Deliv. *
[ ] NY Enhanced (ASP B) *
[ ] Other

PEL-111 Rev 10/2021

Thursday, April 04, 2024

Attn: Paul Scholer
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Project ID: CULPEPER
SDG ID: GCQ41111
Sample ID#s: CQ41111 - CQ41117

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

April 04, 2024

SDG I.D.: GCQ41111

Project ID: CULPEPER

Client Id	Lab Id	Matrix
MP-1	CQ41111	SEDIMENT
MP-D	CQ41112	SEDIMENT
MP-3	CQ41113	SEDIMENT
MP-M	CQ41114	SEDIMENT
MP-2	CQ41115	SEDIMENT
MP-U	CQ41116	SEDIMENT
DUP04022024	CQ41117	SEDIMENT

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 04, 2024

FOR: Attn: Paul Scholer
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	04/02/24	11:25
Location Code:	STERLING	Received by:	B	04/02/24	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCQ41111
Phoenix ID: CQ41111

Project ID: CULPEPER
Client ID: MP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	12.6	2.8	mg/Kg	1	04/03/24	TH	SW6010D
Percent Solid	23		%		04/02/24	CV	SW846-%Solid
Total Metals Digest	Completed				04/02/24	P/Y/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 04, 2024
Reviewed and Released by: Anil Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 04, 2024

FOR: Attn: Paul Scholer
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	04/02/24	11:30
Location Code:	STERLING	Received by:	B	04/02/24	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCQ41111
Phoenix ID: CQ41112

Project ID: CULPEPER
Client ID: MP-D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	9.8	3.8	mg/Kg	1	04/03/24	TH	SW6010D
Percent Solid	19		%		04/02/24	CV	SW846-%Solid
Total Metals Digest	Completed				04/02/24	P/Y/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 04, 2024
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 04, 2024

FOR: Attn: Paul Scholer
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	04/02/24	11:35
Location Code:	STERLING	Received by:	B	04/02/24	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCQ41111
Phoenix ID: CQ41113

Project ID: CULPEPER
Client ID: MP-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	13.4	3.2	mg/Kg	1	04/03/24	TH	SW6010D
Percent Solid	22		%		04/02/24	CV	SW846-%Solid
Total Metals Digest	Completed				04/02/24	P/Y/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
April 04, 2024
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 04, 2024

FOR: Attn: Paul Scholer
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	04/02/24	11:40
Location Code:	STERLING	Received by:	B	04/02/24	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCQ41111
Phoenix ID: CQ41114

Project ID: CULPEPER
Client ID: MP-M

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	24.9	3.4	mg/Kg	1	04/03/24	TH	SW6010D
Percent Solid	21		%		04/02/24	CV	SW846-%Solid
Total Metals Digest	Completed				04/02/24	P/Y/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 04, 2024
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 04, 2024

FOR: Attn: Paul Scholer
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	04/02/24	11:45
Location Code:	STERLING	Received by:	B	04/02/24	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCQ41111
Phoenix ID: CQ41115

Project ID: CULPEPER
Client ID: MP-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	22.7	3.0	mg/Kg	1	04/03/24	TH	SW6010D
Percent Solid	22		%		04/02/24	CV	SW846-%Solid
Total Metals Digest	Completed				04/02/24	P/Y/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 04, 2024
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 04, 2024

FOR: Attn: Paul Scholer
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	04/02/24	11:50
Location Code:	STERLING	Received by:	B	04/02/24	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCQ41111
Phoenix ID: CQ41116

Project ID: CULPEPER
Client ID: MP-U

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	17.0	3.6	mg/Kg	1	04/03/24	TH	SW6010D
Percent Solid	19		%		04/02/24	CV	SW846-%Solid
Total Metals Digest	Completed				04/02/24	P/Y/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 04, 2024
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 04, 2024

FOR: Attn: Paul Scholer
Sterling Env. Engineering
24 Wade Road
Latham, NY 12110

Sample Information		Custody Information		Date	Time
Matrix:	SEDIMENT	Collected by:	PS	04/02/24	
Location Code:	STERLING	Received by:	B	04/02/24	17:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	2023-14				

Laboratory Data

SDG ID: GCQ41111
Phoenix ID: CQ41117

Project ID: CULPEPER
Client ID: DUP04022024

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	14.9	2.8	mg/Kg	1	04/03/24	TH	SW6010D
Percent Solid	21		%		04/02/24	CV	SW846-%Solid
Total Metals Digest	Completed				04/02/24	P/Y/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
April 04, 2024
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

QA/QC Report

April 04, 2024

QA/QC Data

SDG I.D.: GCQ41111

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 725028 (mg/kg), QC Sample No: CQ40129 (CQ41111, CQ41112, CQ41113, CQ41114, CQ41115, CQ41116, CQ41117)													
ICP Metals - Soil													
Arsenic	BRL	0.67	1.03	0.93	NC	98.1	87.2	11.8	90.4			75 - 125	35

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
April 04, 2024

Thursday, April 04, 2024

Criteria: NY: 375

State: NY

Sample Criteria Exceedances Report

GCQ41111 - STERLING

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CQ41113	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	13.4	3.2	13	13	mg/Kg
CQ41114	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	24.9	3.4	13	13	mg/Kg
CQ41115	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	22.7	3.0	13	13	mg/Kg
CQ41116	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	17.0	3.6	13	13	mg/Kg
CQ41117	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	14.9	2.8	13	13	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

April 04, 2024 SDG I.D.: GCQ41111

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 04, 2024

SDG I.D.: GCQ41111

The samples in this delivery group were received at 1.7°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

NY/NJ/PA CHAIN OF CUSTODY RECORD

Temp 1.-0°C Pg of

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: Makrina Nolan, makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Contact Options:
[ ] Phone: 518 456-4900
[ ] Fax:
[X] Email: paul.schaler@sterlingenvironmental.com

Customer: Sterling Environmental
Address: 24 Wade Rd
Latham NY 12110

Project: Culpeper
Report to: Paul Schaler
Invoice to: Sterling
QUOTE # :

Project P.O: 2023-14

This section MUST be completed with Bottle Quantities.

Sampler's Signature: Paul S Date: 4-2-24

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	Total As	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL NAOH 250ml	PL HNO_3 250ml	Bacteria Bottle w/hio	Bacteria Bottle as is
41111	MP-1	Sed	4-2-24	1125		X			1									
41112	MP-D			1130		X			1									
41113	MP-3			1135		X			1									
41114	MP-M			1140		X			1									
41115	MP-2			1145		X			1									
41116	MP-U			1150		X			1									
41117	DUP04022024			—		X			1									

Relinquished by:	Accepted by:	Date:	Time:
		4-2-24	1250
			1300

Comments, Special Requirements or Regulations:
4/2/24 17:00

Data Format:
[X] Phoenix Std Report [ ] EQuIS
[X] Excel [ ] NJ Hazsite EDD
[X] PDF [ ] NY EZ EDD (ASP)
[ ] GIS/Key [ ] Other

***MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.**

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] 4 Days*
[ ] 5 Days*
[X] Standard
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] Impact to GW soil screen Criteria
[ ] GW Criteria

Data Package:
[ ] NJ Reduced Deliv. *
[ ] NY Enhanced (ASP B) *
[ ] Other

NY
[ ] TOGS GW
[ ] CP-51 SOIL
[X] 375SCO Unrestricted Soil
[ ] 375SCO Residential Soil
[ ] 375SCO Residential Restricted Soil
[ ] 375SCO Commercial Soil
[ ] 375SCO Industrial Soil
[ ] Subpart 5 DW

PA
[ ] Clean Fill Limits
[ ] PA-GW
[ ] Reg Fill Limits
[ ] PA Soil Restricted
[ ] PA Soil non-restricted

State Samples Collected?
NY

PEL-111 Rev 1/2023

Page 1 of 1

APPENDIX D

JANUARY 29, 2024
CORRECTIVE MEASURES WORK PLAN

Sterling Environmental Engineering, P.C.

January 29, 2024

Mr. Matthew Dunham, P.E.
New York State Department of Environmental Conservation
Region 4
1130 North Westcott Road
Schenectady, New York 12306-2014

Email: Matthew.Dunham@dec.ny.gov

Subject: Northeast Treaters of New York, LLC
NYSDEC Site Number: C420029
STERLING File #2023-14

Dear Mr. Dunham,

Sterling Environmental Engineering, P.C. (STERLING) has prepared this Corrective Measures Work Plan in response to your letter dated January 3, 2024 rejecting the Periodic Review Report (PRR) for the reporting period of September 1, 2022 to September 1, 2023. Your letter noted the following reasons for rejection:

1. The results of the August 4, 2023 sediment sampling in the western settling basin exit swale contain an average arsenic concentration of 17.2 mg/kg, which exceeds the Restricted Use Commercial Soil Cleanup Objectives (SCO) of 16 mg/kg.
2. The PRR notes that there is a shallow channel beginning to form on the southern protective soil cover berm.
3. The PRR notes that there is an area of the asphalt cover system that exhibits several potholes.

Items 2 and 3 were noted in the PRR as conditions requiring attention through normal maintenance activities. The conditions were not identified as deficiencies requiring corrective measures because the engineering control was not breached and could readily be addressed through normal operations. Item 2 has been addressed by filling the shallow channel with topsoil and seed to re-establish vegetation. Item 3 has been addressed by filling the potholes with concrete to match the surrounding grade.

Item 1 has been an ongoing topic of review with the New York State Department of Environmental Conservation (NYSDEC). In 2021, the Site Management Plan (SMP) was revised to include a fourth sampling location (MP-1) at the downstream property line of the settling basin exit swale. The additional sample location was in response to average arsenic concentration exceeding the Restricted Use Commercial SCO. Sample location MP-1 was added to the SMP monitoring program to monitor for potential offsite transport of site contaminants of concern.

As indicated in the September 19, 2023 PRR, concentrations at MP-1 have decreased since 2021 indicating that contaminant transport does not appear to be occurring. The detected arsenic concentrations at sample locations MP-U, MP-M, and MP-D are within the known range of arsenic reported in the Remedial Investigation Report and Final Engineering Report. As provided in the SMP, a closure plan will be prepared and implemented for the western settling basin and downgradient drainage swale when the facility permanently ceases its use. The SMP further provides that an Investigative Work Plan will be prepared at the time of closure to initiate settling basin closure and to delineate the lateral and vertical impact to soil and sediment located hydraulically downgradient of the settling basin.

Additional Sampling Plan

To assess the variability of arsenic concentrations in the settling basin exit swale, STERLING proposes to re-sample the SMP monitoring locations (i.e., MP-U, MP-M, MP-D, and MP-1) plus two additional locations halfway between locations MP-U and MP-M (i.e., MP-2) and locations MP-M and MP-D (i.e., MP-3). Sample locations are shown on the attached figure.

Sediment samples will be collected at each location from the top two inches below the sediment surface. Samples will be analyzed for total arsenic via USEPA Method 6010D by an ELAP certified laboratory. The sample results will be summarized in a letter report to NYSDEC. The data review will focus on any evidence of contaminant migration. Note that the settling basin exit swale is a consistently wet environment with established wetland vegetation. Metals are known to be fixed in place by wetland vegetation, such as through phytoremediation. Elevated arsenic concentrations could be a result of accumulation in vegetation root matter within the sample interval. The additional sampling will note the presence of organic material in the sample interval.

STERLING is prepared to implement this additional sampling plan upon NYSDEC approval.

Please contact me should you have any questions or comments.

Very truly yours,
STERLING ENVIRONMENTAL ENGINEERING, P.C.

Andrew M. Millspaugh, P.E.
Vice President
Andrew.Millspaugh@sterlingenvironmental.com

Email
Attachment

cc: Scott Crowe, Culpepper Wood Preservers, Athens, NY

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LEGEND:

APPROXIMATE PROPERTY BOUNDARY

APPROXIMATE SAMPLE LOCATIONS

MAP REFERENCE: DISCOVER GIS DATA NY ORTHOIMAGERY, 2021.

STERLING

Sterling Environmental Engineering, P.C.

24 Wade Road • Latham, New York 12110

POST–REMEDIATION MEDIA SAMPLING
SEDIMENT SAMPLE LOCATION MAP

CULPEPER WOOD PRESERVERS–ATHENS

SCHOHARIE TURNPIKE

TOWN OF ATHENS GREENE CO., N.Y.

PROJ. No.: 2023–14	DATE: 01/16/2024	SCALE: 1" = 30'	DWG. NO. 2023–14004	FIGURE 3

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