

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

Final Engineering Report

NYSDEC Site Number: C420029

Prepared for: Northeast Treaters of New York, LLC 796 Schoharie Turnpike Athens, New York 10701

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

July 15, 2016

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FINAL ENGINEERING REPORT SITE #C420029

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CERTIFICATIONS

I, Mark P. Millspaugh, P.E., am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Work Plan (RWP) was implemented and that all construction activities were completed in substantial conformance with the New York State Department of Environmental Conservation (NYSDEC) approved RWP.

I certify that the data submitted to the NYSDEC with this Final Engineering Report demonstrates that the remediation requirements set forth in the RWP and in all applicable statutes and regulations have been or will be achieved in accordance with the timeframes, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an Environmental Easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan (SMP) has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site and that the SMP has been approved by the NYSDEC.

I certify that all documents generated in support of this report have been submitted in accordance with the Division of Environmental Remediation's (DER's) electronic submission protocols and have been accepted by the NYSDEC.

I certify that all data generated in support of this report have been submitted in accordance with the NYSDEC's electronic data deliverables and have been accepted by the NYSDEC.

I certify that all information and statements in this certification form 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, Mark P. Millspaugh, P.E., of Sterling Environmental Engineering, P.C., am certifying as Owner's Designated Site Representative for the Site.



NY PE 059182

7/15/2016

NYS Professional Engineer #

Date

Signature

LIST OF ACRONYMS

Acronym	Definition							
BCA	Brownfield Cleanup Agreement							
BCP	Brownfield Cleanup Program							
CAMP	Community Air Monitoring Plan							
CCA	Chromated Copper Arsenate							
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act							
CFR	Code of Federal Regulations							
СРР	Citizen Participation Plan							
Cr	Chromium							
DER-10	Division of Environmental Remediation/Technical Guidance for Site Investigation and Remediation							
DUSR	Data Usability Study Report							
ECs	Engineering Controls							
EWP	Excavation Work Plan							
FER	Final Engineering Report							
HASP	Health and Safety Plan							
HAZWOPER	Hazardous Waste Operations and Emergency Response							
ICs	Institutional Controls							
IRM	Interim Remedial Measure							
NYCRR	New York Codes, Rules and Regulations							
NYSDEC	New York State Department of Environmental Conservation							
NYSDOH	New York State Department of Health							
NYSDOL	New York State Department of Labor							
OSHA	Occupational Safety and Health Administration							
RAOs	Remedial Action Objectives							
RD	Remedial Design							
RI	Remedial Investigation							
RWP	Remedial Work Plan							
SCOs Soil Cleanup Objectives								
SEQRA State Environmental Quality Review Act								
SMP	Site Management Plan							
SOPs Site Operations Plans								
SWPPP Stormwater Pollution Prevention Plan								
USEPA	United States Environmental Protection Agency							

1.0 BACKGROUND AND SITE DESCRIPTION

Northeast Treaters of New York, LLC (Northeast Treaters) entered into a Brownfield Cleanup Agreement (BCA), with the New York State Department of Environmental Conservation (NYSDEC) in December 2014, to investigate and remediate approximately 4.056 acres of the 32.2-acre Northeast Treaters property located at 796 Schoharie Turnpike in the Town of Athens, Greene County, New York. The Northeast Treaters Brownfield Cleanup Program (BCP) Site ("Site") was remediated to commercial use as described herein and will be used as an industrial wood treatment process and storage facility.

The Site is located in Greene County, New York and is identified on a portion of Athens Tax Map Parcel 104.00-4-44 (see Figure 1). The Site is an approximate 4.056-acre area bounded by Northeast Treaters' facility stormwater basin to the north, a commercial garage to the south, undeveloped lands of Northeast Treaters to the east, and the Northeast Treaters lumber storage yard to the west (see Figure 1). The boundaries of the Site are more fully described in Appendix A – Survey Map, Metes and Bounds. The owner of the Site parcel at the time of this Final Engineering Report (FER) is Northeast Treaters.

Remedial activities completed at the Site were conducted in substantial accordance with the NYSDECapproved Remedial Work Plan (RWP) dated October 2, 2015, the RWP Addendum dated December 7, 2015, and the NYSDEC Decision Document dated December 31, 2015.

An electronic copy of this FER with all supporting documentation is included as Appendix B. A copy of the Environmental Easement and proof of filing is provided in Appendix C.

2.0 SUMMARY OF SITE REMEDIATION

2.1 Remedial Action Objectives

Based on the results of the Remedial Investigation (RI), the following Remedial Action Objectives (RAOs) were identified for this Site.

2.1.1 Soil RAOs

RAOs for Public Health Protection

• Prevent ingestion/direct contact with impacted soil.

RAOs for Environmental Protection

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

2.1.2 Sediment RAOs

RAOs for Public Health Protection

• Prevent direct contact with impacted sediments.

RAOs for Environmental Protection

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

2.2 Description of Selected Remedy

The factors considered in selecting the remedy are those listed in 6 NYCRR 375-1.8. The elements of the selected remedy are as follows:

1. Remedial Design

A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals; and
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development.

2. 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 (1) 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 (1) foot of soil placed over a demarcation layer, with the upper six (6) 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).

3. Excavation

Off-site soil which has been impacted by overflow from the stormwater settling basin in excess of residential SCOs, as defined by 6 NYCRR Part 375-6.8, will be excavated. Approximately 45 cubic yards of contaminated soil will be removed and consolidated onsite under the cover system. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the Site.

4. Removal of all Sediment from Catch Basins

Sediment will be removed from Site-impacted stormwater catch basins on and downstream of the Site. All sediment removed from the catch basins will be consolidated onsite in areas subject to the final cover system or be disposed of in accordance with Federal and NYS regulations.

5. Institutional Control

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 NYSDEC 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; and
- require compliance with the NYSDEC approved Site Management Plan.

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

6. Site Management Plan

A Site Management Plan is required, which includes the following:

- A. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the Site and offsite area on the greater Northeast Treaters facility that have been impacted by Site-related contamination, details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place. Institutional Controls: The Environmental Easement described in Item 5 above. Engineering Controls: The cover system described above in Item 2. This plan includes, but may not be limited to:
 - an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
 - descriptions of the provisions of the environmental easement including any land use restrictions;
 - provisions for the management and inspection of the identified engineering controls;
 - maintaining Site access controls and NYSDEC notification; and
 - the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.
- B. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
 - monitoring of the soil/sediment downgradient of the settling basin to assess the performance and effectiveness of the remedy; and
 - a schedule of monitoring and frequency of submittals to the NYSDEC.
- C. A Closure Plan for the existing facility stormwater settling basin and any areas downgradient of the basin that may have received contaminated overflow.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

The remedy for this Site was performed as a single project, and no Interim Remedial Measures (IRMs), operable units or separate construction contracts were performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in substantial accordance with the NYSDECapproved RWP dated October 2, 2015 and the RWP Addendum dated December 7, 2015. Any deviations from the RWP and RWP Addendum are noted below.

4.1 Governing Documents

The Site was investigated and remediated in accordance with the BCA executed on December 31, 2014 and governing documents described in the following sections. Remedial activities completed at the Site were conducted in substantial accordance with the NYSDEC-approved RWP dated October 2, 2015, the RWP Addendum dated December 7, 2015, and the NYSDEC Decision Document dated December 31, 2015.

4.1.1 Site Specific Health & Safety Plan (HASP)

All remedial work performed under this remedial action was the subject of a site-specific Health and Safety Plan (HASP) satisfying the safety requirements mandated by the Federal Occupational Safety and Health Administration (OSHA). Each contractor was responsible for preparing a HASP for its activities and for compliance by its employees. The HASP identifies specific measures to ensure hazardous substances or conditions do not adversely impact the health and safety of construction personnel and the public for Site operations. The HASP also identifies potential hazards and appropriate precautions as defined by OSHA 29 CFR 1910.120 (Hazardous Waste Operations and Emergency Response).

4.1.2 Stormwater Pollution Prevention Plan (SWPPP)

The remedial work was conducted consistent with the State Pollutant Discharge Elimination System (SPDES) permit requirements set forth in the Construction Activity General Permit (GP-0-15-002). However, as part of the NYSDEC approved remedial program, General Permit coverage is not required provided the construction work is addressed by a Stormwater Pollution Prevention Plan (SWPPP) prepared under current standards and guidance.

The erosion and sediment controls for remedial construction were performed in accordance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the Site-specific SWPPP dated December 2015.

4.1.3 Community Air Monitoring Plan (CAMP)

The Community Air Monitoring Plan (CAMP) provided real-time monitoring of particulates (i.e., dust) at the downwind perimeter of the designated work area when ground-intrusive activities were implemented at the Site. The CAMP was developed from the New York State Department of Health (NYSDOH) Generic CAMP provided in the Division of Remediation DER-10 "Technical Guidance for Site Investigation and Remediation." The CAMP provided a measure of protection for the downwind community (potential receptors including residences, businesses and workers not directly involved with

the subject work activities) from potential airborne Site-related dust as a direct result of remedial and construction work activities. A mist of potable water was used, as needed, to minimize dust around work areas.

4.1.4 Excavation Work Plan (EWP)

An Excavation Work Plan (EWP) was developed for managing soils/materials that were disturbed at the Site, including excavation, handling, storage, transportation and disposal.

The EWP outlines the methods and procedures, work sequence, and construction management practices to complete soil excavation, consolidation, relocation, and/or disposal in an environmentally responsible fashion, and in conformance with applicable local, State, and Federal regulations.

4.1.5 Contractors Site Operations Plans (SOPs)

Site Operations Plans (SOPs) are not required for the Site because the Site remedy does not rely on mechanical systems.

The Remediation Engineer reviewed plans and submittals for this remedial project (i.e. Facility Redevelopment Site Plans) and confirmed plans and submittals were in compliance with the RWP and RWP Addendum. Remedial documents were submitted to NYSDEC and NYSDOH in a timely manner.

4.1.6 Citizen Participation Plan (CPP)

The CPP dated February 2015 describes citizen participation activities including the following:

- Public Notice of the BCP Application was published in the Catskill Daily Mail on October 29, 2014 and distributed to the contact mailing list and the designated document repository. A thirty (30) day public comment period was established by the NYSDEC concerning the BCP Application following the publication of the Public Notice.
- Prior to selection of a remedy for the Site, the NYSDEC issued a Fact Sheet announcing the availability of the RWP and a thirty (30) day comment period spanning from June 4, 2015 through July 21, 2015.
- A Fact Sheet will be published upon issuance of the Certificate of Completion.

4.2 Remedial Program Elements

4.2.1 Contractors and Consultants

The following contractors and consultants performed the remedial work:

- Sterling Environmental Engineering, P.C. (STERLING) Engineer of Record, performed environmental sampling, community air monitoring, design of remedy, and construction certification.
- BCI Construction, Inc. (BCI) Performed all construction work including excavation and consolidation of soils, excavated basin exit swale, implemented Site redevelopment plans, and installed protective cover systems.

- MC Environmental Services, Inc. (MCES) Performed excavation and consolidation of soils at the direction of BCI, removed impacted sediment from facility catch basins, and collected stockpile soil sample.
- TestAmerica Laboratories, Inc. Performed analyses of soil samples.
- Alpha Analytical Laboratories, Inc. Performed analyses of soil, sediment and groundwater samples.
- Alpha Geoscience Performed third-party validation review of laboratory results and prepared Data Usability Summary Report (DUSR).
- Ostertag Land Surveying, P.C. Performed Site surveys.

Each contractor and consultant working at the Site was responsible to comply with the HASP with regards to their employees.

4.2.2 Site Preparation

On or about, January 7, 2015, an asbestos survey was conducted by Alpine Environmental Services, Inc. (Alpine), and the asbestos containing material was removed by Alpine in accordance with New York State Department of Labor (NYSDOL) regulations. The following tasks were performed in July and August 2015 in preparation for, and as the initial step in, the remedial program.

- Mobilization of equipment and materials;
- Implementation of perimeter fencing, decontamination pad construction, etc.;
- Installation of a polyethylene sheeting and plywood barrier over the regulated concrete drip pad;
- Placement of a six (6) inch stone subbase to limit exposure of exposed Site fill material;
- Implementation of erosion and sedimentation controls;
- Marking of underground utilities;
- Acquisition of Agency approval and permits:

Agency	Permit/Approval
Town of Athens	Site Plan
	Building Demolition
	Building Permit
	Rezoning
NYSDEC/NYSDOH	EWP
	CAMP
	HASP

Documentation of Agency approvals is included in Appendix D. A SWPPP was prepared and submitted to the NYSDEC; however, approval of the SWPPP by the NYSDEC is not required, however the work

performed under the BCP was implemented in accordance with the SWPPP.

All applicable State Environmental Quality Review Act (SEQRA) requirements for site plan review and zoning changes and all substantive compliance requirements for attainment of applicable natural resource or other permits were achieved during this remedial action. The remedial action is not subject to SEQRA.

4.2.3 General Site Controls

The Site access was secured with temporary construction fencing. Silt fencing was installed and maintained around the perimeter of the Site for erosion control. Equipment was inspected for soil from the Site prior to leaving the Site. A decontamination pad was available onsite for decontaminating vehicle wheels if a vehicle came in contact with impacted soil.

There were no problems encountered with general Site controls during remedial and construction activities.

4.2.4 Nuisance Controls

STERLING conducted particulate monitoring pursuant to a NYSDEC approved CAMP, and a mist of potable water was used by MCES for dust control when needed. A pressure washer was used to decontaminate equipment before leaving the defined work zone.

The remedial contractor, MCES, established work zones consistent with the HASP at the onset of remedial work. Non-OSHA HAZWOPER trained workers were not allowed access to areas where impacted soil was exposed and barriers (e.g. plywood, polyethylene sheeting, clean stone/soil, etc.) were used to protect workers, as necessary. Excavation and movement of impacted soil was performed only by OSHA-HAZWOPER trained workers. Impacted soil and concrete was temporarily staged in designated areas after being excavated/generated and was covered by polyethylene sheeting.

No complaints relating to nuisance conditions (e.g. dust, odors, noise, traffic) caused by construction activities were received by Northeast Treaters or its representatives during the implementation of the remedial action.

4.2.5 Remediation Work Sequence

During Site preparation activities discussed in Section 4.2.2, an asbestos survey was conducted by Alpine and all asbestos containing material was removed in accordance with NYSDOL Rule 56 by Alpine. Thereafter, the former process building was triple pressure washed by Northeast Treaters personnel as described in Section 6.1.1 of the RWP, and facility equipment was decontaminated and removed prior to the demolition of the process building. Following Site preparation and building demolition activities, Site soil was excavated by MCES at the direction of BCI to initiate the construction of a new process building.

Specified areas of the existing asphalt pavement and concrete drip pad were saw cut and demolished by MCES with a backhoe-mounted hydraulic jackhammer to allow access for excavation activates. Excavated Site soils and concrete drip pad debris were segregated and staged in designated stockpile areas identified by the EWP. Site soils were further segregated based on composition (i.e. structural fill material and native clay). Impacted Site soil and concrete were used onsite and covered with a protective cover consisting of either the structures such as buildings, pavement, and sidewalks comprising the Site development, or a one (1) foot soil cover which allows for commercial use of the Site. Potable water was used for dust control as needed.

MCES lined excavation areas with polyethylene sheeting and an approximate six (6) inch stone subbase to limit worker exposure to Site soils. Formwork for structural components of the new process building (i.e. frost walls, footers, piers, etc.) was assembled within the lined excavation areas by BCI. Undisturbed portions of the former concrete drip pad were covered by the concrete floor of the new process building and asphalt pavement. The concrete floor of the new process building was also installed over impacted Site soils located to the east of the former drip pad. After the installation of the protective concrete cover, the construction of the new process building was conducted by BCI. During the construction, polyethylene liner was maintained by MCES throughout the building erection sequence.

As part of the remedial work, the areal extent of impacted soils was determined to extend to the adjacent property located to the north and the east of the former process building. In order to address the impacted soils located to the north and the east of the former process building, the adjoining property was purchased, subdivided, cleared, grubbed, and covered with a protective cover. Also, as a part of the remedial work, designated facility catch basins were cleaned by MCES; and the drainage exit swale located downgradient of the existing facility settling basin was excavated by BCI. Post excavation sampling was conducted during the construction of the drainage exit swale and these data are summarized in Appendix E. Management of Site soils generated by these activities is described in Section 4.3 below. Impacted soil removed from facility catch basins and excavated from the drainage exit swale were reused onsite under a protective cover.

Construction road fabric was installed as a demarcation layer beyond the footprint of the new process building and within the footprint of the Site prior to the installation of the Site protective cover described in Section 4.7 below. A list of remedial activities is attached as part of Appendix F.

4.2.6 CAMP Results

The CAMP was implemented by STERLING during the remedial program from August 2015 through January 2016. As described in Section 4.1.3, CAMP particulate monitoring was conducted upwind and downwind of all ground-intrusive Site activities and activities involving movement or disturbance of impacted soil (e.g. grading, stockpiling, etc.). A Dust Trak II particulate monitor continuously logged data every 60 seconds. Alarm limits were determined based on background levels, measured from an upwind monitoring location. An action level of 150 ug/m³ (defined as a 15 minute average) was established by the NYSDEC-approved CAMP.

During the implementation of the remedy, a single exceedance of the particulate action level was detected at the downwind monitor on November 24, 2015. STERLING personnel immediately determined that the exceedance of the particulate action level resulted from saw cutting activities associated with the construction of the offsite office building located southwest of the Site.

Visual dust observations were minimal and no action level exceedances were observed or recorded as a result of remedial activities conducted within the boundaries of the Site. Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix G.

4.2.7 Reporting

Monthly progress reports were prepared by STERLING and submitted to the NYSDEC to document activities relating to the remedial action. Monthly progress reports are included in electronic format in Appendix F. A photograph log is included in electronic format in Appendix H.

4.3 Management of Impacted Materials

The Site was remediated in accordance with 6 NYCRR Part 375-6.8(b) Commercial SCOs.

A list of SCOs for the contaminants of concern for this project is provided in Table 1. The locations where excavations were performed are shown on Figure 2.

4.3.1 Impacted Soil/Sediment Removal

Impacted soil was not removed from the Site or the facility property. Impacted soil excavated within the boundaries of the Site was either used as structural backfill around new foundation walls and footings (and capped with concrete) or was consolidated onsite below the protective cover system described in Section 4.7. The horizontal extent of the eight (8) to 12 inch thick concrete pad is shown on the As-Built Drawing provided as Appendix J. Impacted soil/sediment excavated from the settling basin exit swale and sediment removed from facility catch basins were consolidated within the boundaries of the Site and below the protective cover system.

4.3.2 Impacted Soil/Sediment Reuse

Impacted soil was reused within the boundaries of the Site for structural components associated with Site redevelopment (e.g. structural backfill around new foundation walls and footings). Additionally, impacted sediment, soil and concrete drip pad debris were reused onsite for the installation of a noise abatement berm and to serve as a visual barrier in accordance with the December 7, 2015 RWP Addendum. The location of the berm and placement of impacted media are shown in Figure 3. Impacted soil within the footprint of the noise abatement berm is located below the Site's protective cover consisting of a one (1) foot soil cover which allows for commercial use of the Site and meets the requirements of 6 NYCRR Part 375-6.8(b).

The reuse of impacted media within the boundaries of the Site and below the protective cover system aligns with the concepts of green remediation contained in DER-31. Onsite reuse minimized truck travel for disposal and ultimately saved energy, reduced emissions, and minimized wear and tear on public roads.

4.4 Remedial Performance/Documentation Sampling

Extensive sampling and analysis of soil was performed during the Remedial Investigation (RI) to define the lateral and vertical extent of impact. The sampling and analytical methodology and the results are described in detail in the RI Report dated August 3, 2015. End point samples consist of the soil samples collected during the RI exhibiting concentrations of contaminants of concern less than the Commercial Use SCOs that defined the lateral and vertical extent of impacts. A primary component of the selected remedy is to apply a protective cover over soil containing arsenic and chromium at concentrations greater than the applicable Commercial Use SCOs. The concentrations of these compounds are detailed in the RI Report. End-point sampling data collected during the RI are summarized and included as Figure 4, and all exceedances of the Commercial Use SCOs are highlighted.

Data Usability Summary Reports (DUSRs) were prepared for all data generated during the RI. These DUSRs and associated raw data are provided in the RI Report.

4.5 Imported Backfill

Approximately 8,000 cubic yards of pre-approved imported backfill was obtained from Halsted Excavating Corp., A Colarusso & Son Inc., and Carver Sand & Gravel, LLC. A table of sources of imported backfill with quantities for each source is shown in Table 2a. Imported backfill was used as a subbase product for the Site's protective cover system. Chemical analysis of imported material from these sources was not conducted because imported material consisted of gravel, rock or stone from a NYSDEC permitted mine or quarry. These materials are exempted from imported fill sampling requirements per DER-10, Section 5.4(e)(5). Request to Import Fill forms were submitted to the NYSDEC (see Appendix I).

Approximately 700 cubic yards of backfill was obtained from the excavation of the Northeast Treaters eastern stormwater basin located on the property north of the Site and used as grading material under the protective cover. A summary of analytical results for backfill obtained from this area, in comparison to allowable levels, is provided in Table 2b.

Imported backfill generally was used over the footprint of the Site as a component of the protective cover system. A Typical Soil Cover Detail is provided as Figure 3.

4.6 Impacted Media Remaining at the Site

Soil was excavated from portions of the Site within the footprint of the new Process Building to prepare the Site for redevelopment. Excavated impacted soils were either used as structural backfill along foundation walls and frostwalls below the concrete cap or consolidated onsite under the protective cover. As such, arsenic and chromium remain onsite in similar concentrations to those identified in the August 3, 2015 RI Report. Tables 3a through 3k and Figures 5 through 8 summarize the results of soil samples collected during the RI.

Geotextile fabric (Tencate Mirafi® RS580i) was used as a demarcation layer at the Site to delineate the separation between Site soil left in place and the overlying protective cover material installed during the implementation of the remedy.

Soil/sediment containing Site contaminants of concern was excavated from the facility's basin exit swale located downgradient of the facility's western settling basin (see Figure 9). As part of the Site redevelopment, excavated material was used as grading material onsite under the protective cover. Post-excavation samples were collected following excavation of the impacted offsite sediment along the basin exit swale. A reduction in the concentration of chromium and arsenic was observed in post-excavation samples compared to sediment samples collected prior to excavation. Table 3k and Figure 9 summarize the results of offsite sediment samples collected prior to and after completion of the remedial action.

Since impacted soil remains beneath the protective cover system after completion of the remedial action, Institutional and Engineering Controls (ECs/ICs) are required to protect human health and the environment. These ECs/ICs are described in the following sections. Long-term management of these EC/ICs and residual impacts will be performed under the NYSDEC approved SMP.

4.7 Soil Cover System

Exposure to remaining impacted media at the Site is prevented by a protective cover system placed over the Site. The type of cover differs on different portions of the Site and is comprised of a demarcation geotextile fabric covered by an asphalt pavement profile, concrete structural components, or a minimum of 12 inches of clean fill. Figure 3 shows the typical cross sections for remedial cover type used on the Site. Figure 3 shows the location of each cover type built at the Site. An EWP, which outlines the procedures required in the event the cover system and/or underlying impacted media are disturbed, is provided as an appendix to the SMP.

4.8 Other Engineering Controls

The basin exit swale, located downgradient of the facility's western settling basin, was modified as part of the preferred remedy to prevent or minimize the offsite migration of impacted sediment from the settling basin. Figure 10 shows the drainage exit swale following completion of the remedy.

Procedures for monitoring the basin exit swale are provided in the SMP. The SMP also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect onsite ECs.

4.9 Institutional Controls

The Site remedy requires that an Environmental Easement be placed on the property to (1) implement, maintain and monitor the Engineering Controls (ECs); (2) prevent future exposure to remaining impacted media by controlling disturbances of the subsurface; and, (3) limit the use and development of the Site to commercial uses only.

The Environmental Easement for the Site was executed by the NYSDEC and filed with the Greene County Clerk. The County Recording Identifier number for this filing is provided in Appendix C - Environmental Easement & Proof of Filing.

4.10 Deviations from the Remedial Work Plan

Remedial activities completed at the Site were conducted in substantial accordance with the NYSDECapproved RWP dated October 2, 2015 and the RWP Addendum dated December 7, 2015. The October 2, 2015 RWP described key elements of the remedial design (RD) for the remediation of the Site and Site redevelopment. The December 7, 2015 RWP Addendum broadened the scope of the RD to include:

- Cleaning of facility catch basins;
- Excavation of impacted surface soil and sediment in the settling basin exit swale;
- Consolidation and capping of impacted media within the boundaries of the Site; and
- Installation of an abatement berm for noise abatement and as a visual barrier.

The initial RWP and subsequent RWP Addendum proposed onsite consolidation of impacted media and offsite disposal of impacted soil/sediment which was not reused onsite below the protective cover system. During the implementation of the remedy, fill and the underlying natural, clay material excavated from the Site was segregated and staged in separate stockpiles because the fill material was deemed a superior structural aggregate when compared to clay. The natural clay was deemed to be un-impacted based on existing RI data (specifically "DPP" sample location data). With NYSDEC approval, approximately 485 cubic yards of unimpacted, natural clay excavated for the construction of structural building components (i.e. frostwalls, footers, piers, etc.) was reused for grading the surface of the existing facility leachfield located on the Northeast Treaters property, approximately 200 feet north of the Site. The reuse of unimpacted soil within the facility property minimized truck travel for disposal and ultimately saved energy, reduced emissions, and minimized wear and tear on public roads.

The RWP Addendum proposed that the settling basin exit swale would be excavated and lined with course gravel to reduce suspended sediment in effluent water. During the implementation of the remedy, it was determined that a vegetative swale would provide improved sedimentation and allow for more accessible monitoring of potential sediment migration. The construction of a vegetative swale was discussed with, and approved by, the NYSDEC during the excavation of the swale conducted during December 2015.

Field modifications were made to components of Site redevelopment plans based on contractor needs and recommendations. Field modifications to Site redevelopment plans are reflected in the As-Built Drawing provided as Appendix J.

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Commercial Use Soil Cleanup Objectives (SCOs) Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York

Parameter	Soil Cleanup Objectives ⁽¹⁾ (ppm)								
Metals									
Arsenic	16								
Barium	400								
Beryllium	590								
Cadmium	9.3								
Chromium (hexavalent)	400								
Chromium (trivalent)	1,500								
Copper	270								
Total Cyanide	27								
Lead	1,000								
Manganese	10,000								
Mercury	2.8								
Nickel	310								
Selenium	1,500								
Silver	1,500								
Zinc	10,000								

⁽¹⁾ As provided in 6 NYCRR Part 375-6.8(b) – Restricted Use Soil Cleanup Objectives

Commercial Use Soil Cleanup Objectives (SCOs) Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York

Parameter	Soil Cleanup Objectives ⁽¹⁾ (ppm)							
PCBs/Pesticides								
2,4,5-TP Acid (Silvex)	500							
4,4'-DDE	62							
4,4'-DDT	47							
4,4'-DDD	92							
Aldrin	0.68							
alpha-BHC	3.4							
beta-BHC	3							
Chlordane (alpha)	24							
delta-BHC	500							
Dibenzofuran	350							
Dieldrin	1.4							
Endosulfan I	200							
Endosulfan II	200							
Endosulfan sulfate	200							
Endrin	89							
Heptachlor	15							
Lindane	9.2							
Polychlorinated biphenyls	1							

⁽¹⁾ As provided in 6 NYCRR Part 375-6.8(b) – Restricted Use Soil Cleanup Objectives

Commercial Use Soil Cleanup Objectives (SCOs) Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York

Parameter	Soil Cleanup Objectives ⁽¹⁾ (ppm)
SVOCs	
Acenaphthene	500
Acenapthylene	500
Anthracene	500
Benzo(a)anthracene	5.6
Benzo(a)pyrene	1
Benzo(b)fluoranthene	5.6
Benzo(g,h,i)perylene	500
Benzo(k)fluoranthene	56
Chrysene	56
Dibenz(a,h)anthracene	0.56
Fluoranthene	500
Fluorene	500
Indeno(1,2,3-cd)pyrene	5.6
m-Cresol	500
Naphthalene	500
o-Cresol	500
p-Cresol	500
Pentachlorophenol	6.7
Phenanthrene	500
Phenol	500
Pyrene	500

⁽¹⁾ As provided in 6 NYCRR Part 375-6.8(b) – Restricted Use Soil Cleanup Objectives

Commercial Use Soil Cleanup Objectives (SCOs) Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York

Parameter	Soil Cleanup Objectives ⁽¹⁾ (ppm)								
VOCs	VOCs								
1,1,1-Trichloroethane	500								
1,1-Dichloroethane	240								
1,1-Dichloroethene	500								
1,2-Dichlorobenzene	500								
1,2-Dichloroethane	30								
cis-1,2-Dichloroethene	500								
trans-1,2-Dichloroethene	500								
1,3-Dichlorobenzene	280								
1,4-Dichlorobenzene	130								
1,4-Dioxane	130								
Acetone	500								
Benzene	44								
Butylbenzene	500								
Carbon tetrachloride	22								
Chlorobenzene	500								
Chloroform	350								
Ethylbenzene	390								
Hexachlorobenzene	6								
Methyl ethyl ketone	500								
Methyl tert-butyl ether	500								
Methylene chloride	500								

⁽¹⁾ As provided in 6 NYCRR Part 375-6.8(b) – Restricted Use Soil Cleanup Objectives

Commercial Use Soil Cleanup Objectives (SCOs) Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York

Parameter	Soil Cleanup Objectives ⁽¹⁾ (ppm)
VOCs (Continued)	
n-Propylbenzene	500
sec-Butylbenzene	500
tert-Butylbenzene	500
Tetrachloroethene	150
Toluene	500
Trichloroethene	200
1,2,4-Trimethylbenzene	190
1,3,5-Trimethylbenzene	190
Vinyl chloride	13
Xylene (mixed)	500

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⁽¹⁾ As provided in 6 NYCRR Part 375-6.8(b) – Restricted Use Soil Cleanup Objectives

Table 2a: Summary of Imported Backfill Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York

Fill Source	Fill Type	Approximate Quantity	Date of Request to	Analytical	
		(Cubic Yards)	Import Fill Form	Data	
Halsted Excavating Corp.	Stone/Gravel/Rock	100 - 200	8/24/2015	Not	
(Mine ID: 40744)	Stone/Gravel/Rock	100 - 200	8/24/2013	Required	
A. Colarusso & Son Inc.	Stone/Gravel/Rock	500 - 800	8/28/2015	Not	
(Permit ID: 4-1040-00034/00025)	Stone/Oravel/Kock	500 - 800	0/20/2013	Required	
A. Colarusso & Son Inc.	Stone/Gravel/Rock	800 - 1000	2/18/2016	Not	
(Permit ID: 4-1040-00034/00025)	Stone/Gravel/Rock	800 - 1000	2/18/2010	Required	
Carver Sand & Gravel, LLC	Recycled Concrete	6.075	2/18/2016	Not	
(Registration #: 01W12)	Agregate	6,075	2/18/2010	Required	
North cost Tractory of New York, LLC	Notice Cail	500 800	2/2/2016		
Northeast Treaters of New York, LLC	Native Soil	500 - 800	3/3/2016	See Table 2b	

Table 2b: Summary of Imported Backfill Analytical Data Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York February 23, 2016

SAMPLE ID				G-1	G-2	G-3	G-4	G-5	G-6	C-1		C-2
SAMPLING DATE		p Objectives		2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/23/2016	2/23/20		2/23/2016
Chlorinated Herbicides by GC - Wes	Commercial stborough Lab	Unrestricted		Qua	l Qua	l Qua	l Qual	l Qual	Qua	I	Qual	Qua
2,4,5-TP (Silvex) General Chemistry - Westborough I	500	3.8	mg/kg	-	-	-	-	-	-	0.245	U	0.238 U
Chromium, Trivalent	1500		mg/kg	-	-	-	-	-	-	21		20
Cyanide, Total Chromium, Hexavalent	27 400		mg/kg mg/kg	-	-	-	-	-	-	1.4	U U	2.8 U 1.1 U
Organochlorine Pesticides by GC - V		ab			1		- -		1			
Delta-BHC Lindane	500 9.2		mg/kg mg/kg	-	-	-	-	-	-	0.00226	U U	0.00225 U 0.00094 U
Alpha-BHC	3.4		mg/kg	-	-	-	-	-	-	0.00094	U	0.00094 U
Beta-BHC Heptachlor	3		mg/kg mg/kg	-	-	-	-	-	-	0.00226	U U	0.00225 U 0.00113 U
Aldrin Endrin	0.68		mg/kg mg/kg	-	-	-	-	-	-	0.00226	U U	0.00225 U 0.00094 U
Dieldrin	1.4		mg/kg	-	-	-	-	-	-	0.00094	U	0.00094 U 0.00141 U
4,4'-DDE 4,4'-DDD	62 92		mg/kg mg/kg	-	-	-	-	-	-	0.00226	U U	0.00164 J 0.00225 U
4,4'-DDT	47		mg/kg	-	-	-	-	-	-	0.00220	U	0.00223 U
Endosulfan I Endosulfan II	200		mg/kg mg/kg	-	-	-	-	-	-	0.00226	U U	0.00225 U 0.00225 U
Endosulfan sulfate	200		mg/kg	-	-	-	-	-	-	0.000220	U	0.00094 U
cis-Chlordane Polychlorinated Biphenyls by GC - V	24 Vestborough I		mg/kg	-	-	-	-	-	-	0.00282	U	0.00282 U
Aroclor 1016	1 I		mg/kg	-	-	-	-	-	-	0.0468	U	0.0449 U
Aroclor 1221 Aroclor 1232	1	0.1	mg/kg mg/kg	-	-	-	-	-	-	0.0468	U U	0.0449 U 0.0449 U
Aroclor 1232	1	0.1	mg/kg	-	-	-	-	-	-	0.0468	U	0.0449 U
Aroclor 1248 Aroclor 1254	1	0.1	mg/kg mg/kg	-	-	-	-	-	-	0.0468	U U	0.0449 U 0.0449 U
Aroclor 1260	1	0.1	mg/kg	-	-	-	-	-	-	0.0468	U	0.0449 U
Aroclor 1262 Aroclor 1268	1	0.1	mg/kg mg/kg	-	-	-	-	-	-	0.0468	U U	0.0449 U 0.0449 U
PCBs, Total			mg/kg mg/kg	-	-	-	-	-	-	0.0468	U	0.0449 U 0.0449 U
Semivolatile Organics by GC/MS - V Acenaphthene	Vestborough L 500		mg/kg	-	-	-	-	-	_	0.19	U	0.18 U
Hexachlorobenzene	6	0.33	mg/kg	-	-	-	-	-	-	0.14	U	0.14 U
Fluoranthene Naphthalene	500		mg/kg mg/kg	-	-	-	-	-	-	0.14 0.24	U U	0.14 U 0.23 U
Benzo(a)anthracene	5.6		mg/kg	-	-	-	-	-	-	0.14	U	0.14 U
Benzo(a)pyrene Benzo(b)fluoranthene	1	1	mg/kg mg/kg	-	-	-	-	-	-	0.19	U U	0.18 U 0.14 U
Benzo(k)fluoranthene	56	ō 0.8	5	-	-	-	-	-	-	0.14	U	0.14 U
Chrysene Acenaphthylene	56		mg/kg mg/kg	-	-	-	-	-	-	0.14	U U	0.14 U 0.18 U
Anthracene	500	100	mg/kg	-	-	-	-	-	-	0.19	U	0.18 U
Benzo(ghi)perylene Fluorene	500		mg/kg mg/kg	-	-	-	-	-	-	0.19	U U	0.18 U 0.23 U
Phenanthrene	500	100	mg/kg	-	-	-	-	-	-	0.14	U	0.14 U
Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene	0.56		mg/kg mg/kg	-	-	-	-	-	-	0.14 0.19	U U	0.14 U 0.18 U
Pyrene	500	100	mg/kg	-	-	-	-	-	-	0.14	U	0.14 U
Dibenzofuran Pentachlorophenol	350		mg/kg mg/kg	-	-	-	-	-	-	0.24 0.19	U U	0.23 U 0.18 U
Phenol	500	0.33	mg/kg	-	-	-	-	-	-	0.24	U	0.23 U
2-Methylphenol 3-Methylphenol/4-Methylphenol	500 500		mg/kg mg/kg	-	-	-	-	-	-	0.24	U J	0.23 U 0.33 U
Total Metals - Westborough Lab							1		1	-	-	
Arsenic, Total Barium, Total	400		mg/kg mg/kg	-	-	-	-	-	-	8.2 120		7.8 120
Beryllium, Total	590	7.2	mg/kg	-	-	-	-	-	-	1		0.91
Cadmium, Total Chromium, Total	9.3	2.5	mg/kg mg/kg	-	-	-	-	-	-	1.1 21	U	1.1 U 20
Copper, Total	270		mg/kg	-	-	-	-	-	-	18		18
Lead, Total Manganese, Total	1000		0	-	-	-	-	-	-	9.1 680		7.6 780
Mercury, Total	2.8		mg/kg	-	-	-	-	-	-	0.085	J	0.06 J
Nickel, Total Selenium, Total	310 1500		mg/kg mg/kg	-	-	-	-	-	-	20	J	20 0.98 J
Silver, Total	1500	2	mg/kg	-	-	-	-	-	-	1.1	U	1.1 U
Zinc, Total Volatile Organics by GC/MS - West	10000 borough Lab	1	mg/kg	-	-	-	-	-	-	57		56
Methylene chloride 1,1-Dichloroethane	500 240		mg/kg mg/kg	0.015 U 0.0023 U	0.015 U 0.0022 U	0.015 U 0.0022 U	0.015 U 0.0022 U	0.015 U 0.0023 U	0.014 U 0.0021 U	-	-	
Chloroform	350	0.37	mg/kg	0.0023 U	0.0022 U	0.0022 U	0.0022 U	0.0023 U	0.0021 U	-	-	
Carbon tetrachloride Tetrachloroethene	22		mg/kg mg/kg	0.0015 U 0.0015 U	0.0014 U 0.0014 U	-	-					
Chlorobenzene	500	1.1	mg/kg	0.0015 U	0.0014 U	-	-					
1,2-Dichloroethane 1,1,1-Trichloroethane	30		mg/kg mg/kg	0.0015 U 0.0015 U	0.0014 U 0.0014 U	-	-					
Benzene	44	0.06	mg/kg	0.0015 U	0.0014 U	-	-					
Toluene Ethylbenzene	500 390		mg/kg mg/kg	0.0023 U 0.0015 U	0.0022 U 0.0015 U	0.0022 U 0.0015 U	0.0022 U 0.0015 U	0.0023 U 0.0015 U	0.0021 U 0.0014 U	-	-	
Vinyl chloride	13	0.02	mg/kg	0.0031 U	0.0029 U	0.0029 U	0.003 U	0.003 U	0.0029 U	-	-	
1,1-Dichloroethene trans-1,2-Dichloroethene	500 500		mg/kg mg/kg	0.0015 U 0.0023 U	0.0015 U 0.0022 U	0.0015 U 0.0022 U	0.0015 U 0.0022 U	0.0015 U 0.0023 U	0.0014 U 0.0021 U	-	-	
Trichloroethene	200	0.47	mg/kg	0.0015 U	0.0014 U	-	-					
1,2-Dichlorobenzene	500 280		mg/kg mg/kg	0.0076 U 0.0076 U	0.0073 U 0.0073 U	0.0074 U 0.0074 U	0.0074 U 0.0074 U	0.0075 U 0.0075 U	0.0072 U 0.0072 U	-	-	
1,4-Dichlorobenzene	130	1.8	mg/kg	0.0076 U	0.0073 U	0.0074 U	0.0074 U	0.0075 U	0.0072 U	-	-	
Methyl tert butyl ether p/m-Xylene	500	0.93	mg/kg mg/kg	0.0031 U 0.0031 U	0.0029 U 0.0029 U	0.0029 U 0.0029 U	0.003 U 0.003 U	0.003 U 0.003 U	0.0029 U 0.0029 U	-	-	
o-Xylene			mg/kg	0.0031 U	0.0029 U	0.0029 U	0.003 U	0.003 U	0.0029 U	-	-	
cis-1,2-Dichloroethene Acetone	500 500		mg/kg mg/kg	0.0015 U 0.0087 J	0.0015 U 0.004 J	0.0015 U 0.003 J	0.0015 U 0.0049 J	0.0015 U 0.0051 J	0.0014 U 0.073	-	-	
2-Butanone	500	0.12	mg/kg	0.015 U	0.0088 J	-	-					
n-Butylbenzene sec-Butylbenzene	500 500		mg/kg mg/kg	0.0015 U 0.0015 U	0.0015 U 0.0015 U			0.0015 U 0.0015 U	0.0014 U 0.0014 U	-	-	
tert-Butylbenzene	500	5.9	mg/kg	0.0076 U	0.0073 U	0.0074 U	0.0074 U	0.0075 U	0.0072 U	-	-	
n-Propylbenzene 1,3,5-Trimethylbenzene	500 190		mg/kg mg/kg	0.0015 U 0.0076 U	0.0015 U 0.0073 U	0.0015 U 0.0074 U	0.0015 U 0.0074 U	0.0015 U 0.0075 U	0.0014 U 0.0072 U	-	-	
1,2,4-Trimethylbenzene	190	3.6	mg/kg	0.0076 U	0.0073 U	0.0074 U	0.0074 U	0.0075 U	0.0072 U	-	-	
1,4-Dioxane	130	0.1	mg/kg	0.15 U	0.14 U	-	-					

 Notes:

 Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives.

 Values highlighted in gray indicate that the laboratory's method detection limit exceeds the Unrestricted Use Soil Cleanup Objectives.

Lab Qualifiers: U = Not detected above the laboratory method detection limit shown. J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.

Table 3a: Analytical Results for Full Parameter Sampling Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York November 18-20, 2014

			Sample ID	SP01S	SP02S	SP03S	SP04S	SP05S	SP05D	SP06S	SP06D	DPP02ES	DPP05ES	DPP08ES	DPP10ES	DPP13ES	DPP16ES	SUMP FILL	SUMP Clay	DP01 FILL	DP01 Clay	DP03 FILL	DP03 Clay
			Sample Matrix	Fill	Fill	Fill	Fill	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil						
			Date Sampled	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/19/2014	11/19/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014
	Soil	Cleanup Objec	tives																				
Semivolatiles (µg/kg)	Unrestricted	Commercial	Industrial																				
Acenaphthene	20,000	500,000	1,000,000	14 U	14 U	13 U	14 U	14 U	17 U	19 U	13 U	14 U	14 U	14 U	16 U	16 U	14 U	17 U	17 U	14 U	16 U	17 U	18 U
Acenaphthylene	100,000	500,000	1,000,000	16 U	16 U	15 U	16 U	16 U	20 U	22 U	16 U	16 U	16 U	16 U	18 U	18 U	16 U	19 U	19 U	17 U	19 U	20 U	21 U
Anthracene	100,000	500,000	1,000,000	15 U	15 U	14 U	15 U	15 U	18 U	20 U	15 U	15 U	15 U	71 J	17 U	17 U	15 U	18 U	18 U	16 U	18 U	19 U	20 U
Benzo[a]anthracene	1,000	5,600	11,000	14 U	14 U	13 U	14 U	14 U	17 U	19 U	13 U	14 U	14 U	1700	16 U	16 U	14 U	17 U	17 U	14 U	16 U	17 U	18 U
Benzo[a]pyrene	1,000	1,000	1,100	13 U	13 U	12 U	13 U	13 U	16 U	17 U	12 U	13 U	13 U	790	15 U	15 U	13 U	15 U	15 U	13 U	15 U	16 U	17 U
Benzo[b]fluoranthene	1,000	5,600	11,000	25 U	25 U	24 U	25 U	25 U	30 U	33 U	24 U	25 U	25 U	1800	28 U	28 U	25 U	30 U	29 U	25 U	29 U	31 U	32 U
Benzo[g,h,i]perylene	100,000	500,000	1,000,000	14 U	14 U	13 U	14 U	14 U	17 U	19 U	13 U	14 U	14 U	420	16 U	16 U	14 U	17 U	17 U	14 U	16 U	17 U	18 U
Benzo[k]fluoranthene	800	56,000	110,000	32 U	32 U	31 U	32 U	32 U	39 U	43 U	31 U	32 U	32 U	1500	36 U	37 U	33 U	39 U	38 U	33 U	38 U	40 U	42 U
Chrysene	1,000	56,000	110,000	19 U	19 U	18 U	19 U	19 U	24 U	26 U	19 U	19 U	19 U	1800	22 U	22 U	20 U	23 U	23 U	20 U	23 U	24 U	25 U
Dibenz(a,h)anthracene	330	560	1,100	12 U	12 U	11 U	12 U	12 U	14 U	16 U	11 U	12 U	12 U	140 J	13 U	13 U	12 U	14 U	14 U	12 U	14 U	15 U	15 U
Fluoranthene	100,000	500,000	1,000,000	13 U	13 U	12 U	40 J	13 U	16 U	17 U	12 U	13 U	53 J	2600	15 U	15 U	13 U	15 U	15 U	13 U	15 U	16 U	17 U
Fluorene	30,000	500,000	1,000,000	16 U	16 U	15 U	16 U	16 U	20 U	22 U	16 U	16 U	16 U	16 U	18 U	18 U	16 U	19 U	19 U	17 U	19 U	20 U	21 U
Indeno[1,2,3-cd]pyrene	500	5,600	11,000	15 U	15 U	14 U	15 U	15 U	18 U	20 U	15 U	15 U	15 U	440	17 U	17 U	15 U	18 U	18 U	16 U	18 U	19 U	20 U
m & p - Cresol	330	500,000	1,000,000	79 U	79 U	76 U	79 U	79 U	97 U	110 U	77 U	79 U	80 U	80 U	89 U	90 U	80 U	95 U	94 U	82 U	93 U	99 U	100 U
Naphthalene	12,000	500,000	1,000,000	16 U	16 U	15 U	16 U	16 U	20 U	22 U	16 U	16 U	16 U	16 U	18 U	18 U	16 U	19 U	19 U	17 U	19 U	20 U	21 U
o-Cresol	330	500,000	1,000,000	43 U	43 U	41 U	43 U	43 U	52 U	58 U	41 U	43 U	43 U	43 U	48 U	49 U	43 U	51 U	51 U	44 U	51 U	54 U	56 U
Pentachlorophenol	800	6,700	55,000	72 U	73 U	70 U	73 U	73 U	89 U	98 U	71 U	73 U	73 U	73 U	82 U	83 U	74 U	87 U	87 U	75 U	86 U	91 U	95 U
Phenanthrene	100,000	500,000	1,000,000	13 U	13 U	12 U	13 U	13 U	16 U	17 U	12 U	13 U	13 U	340 J	15 U	15 U	13 U	15 U	15 U	13 U	15 U	16 U	17 U
Phenol	330	500,000	1,000,000	43 U	43 U	41 U	43 U	43 U	52 U	58 U	41 U	43 U	43 U	43 U	48 U	49 U	43 U	51 U	51 U	44 U	51 U	54 U	56 U
Pyrene	100,000	500,000	1,000,000	15 U	15 U	14 U	15 U	15 U	18 U	20 U	15 U	15 U	49 J	2500	17 U	17 U	15 U	18 U	18 U	16 U	18 U	19 U	20 U

		Г	Sample ID	SP01S	SP02S	SD038	SP04S	SP05S	SP05D	SP06S	SP06D	DPP02ES	DPP05ES	DPP08ES	DPP10ES	DPP13ES	DPP16ES	SUMP FILL	SUMP Clav	DP01 FILL	DP01 Clay	DP03 FILL	DP03 Clay
			Sample ID Sample Matrix	SF015 EII	Fill	Fill	Fill	Fill	Soil	Fill	Soil	Fill	EII	DIFIORES	Fill	Fill	Fill	Fill	Soil	Fill	Soil	Fill	Soil
			Date Sampled	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/19/2014	11/19/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014
	Soil	l Cleanup Object		11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/19/2014	11/19/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014
V-letiler (
Volatiles (µg/kg)	Unrestricted	Commercial	Industrial	0.05 11 + 5	0.05 11	0.05 11	0.00 II	0.07.11	14.11	0.42.11	0.05.11	0.00.11	0.00 11	0.05.11	0.04 11	0.05.11	0.00 11	0.05 11	0.00 11	0.00 11	0.00 11	0.07.11	0.05.11
1,1,1-Trichloroethane	680	500,000	1,000,000	0.25 U*E	0.35 U	0.35 U	0.39 U	0.27 U	16 U	0.43 U	0.25 U	0.29 U	0.39 U	0.35 U	0.36 U	0.27 U	0.29 U	0.37 U	0.33 U	0.29 U	0.32 U	0.37 U	0.35 U
1,1-Dichloroethane	270	240,000	480,000	0.36 U*E	0.50 U	0.50 U	0.57 U	0.39 U	16 U	0.63 U	0.36 U	0.42 U	0.56 U	0.51 U	0.52 U	0.38 U	0.42 U	0.53 U	0.48 U	0.42 U	0.46 U	0.53 U	0.51 U
1,1-Dichloroethene	330	500,000	1,000,000	0.22 U*E	0.31 U	0.31 U	0.36 U	0.24 U	17 U	0.39 U	0.23 U	0.26 U	0.35 U	0.32 U	0.32 U	0.24 U	0.26 U	0.33 U	0.30 U	0.26 U	0.29 U	0.33 U	0.32 U
1,2-Dichlorobenzene	1,100	500,000	1,000,000	0.10 U*E	0.15 U	0.15 U*E	0.17 U * E	0.11 U*E	16 U	0.18 U	0.10 U	0.12 U	0.16 U * E	0.15 U	0.15 U*E	0.11 U*E	0.12 U	0.15 U	0.14 U	0.12 U	0.13 U	0.15 U	0.15 U
1,2-Dichloroethane	20	30,000	60,000	0.69 U*E	0.98 U	0.97 U	1.1 U	0.75 U	13 U	1.2 U	0.70 U	0.82 U	1.1 U	0.99 U	1.0 U	0.74 U	0.82 U	1.0 U	0.93 U	0.81 U	0.90 U	1.0 U	0.99 U
cis-1,2-Dichloroethene	250	500,000	1,000,000	0.34 U*E	0.48 U	0.48 U	0.55 U	0.37 U	14 U	0.60 U	0.35 U	0.41 U	0.54 U	0.49 U	0.49 U	0.37 U	0.40 U	0.51 U	0.46 U	0.40 U	0.44 U	0.51 U	0.49 U
trans-1,2-Dichloroethene	190	500,000	1,000,000	0.066 U*E	0.093 U	0.093 U	0.11 U	0.071 U	16 U	0.12 U	0.067 U	0.078 U	0.10 U	0.094 U	0.095 U	0.071 U	0.078 U	0.098 U	0.088 U	0.078 U	0.086 U	0.098 U	0.095 U
1,3-Dichlorobenzene	2,400	280,000	560,000	0.088 U*E	0.12 U	0.12 U*E	0.14 U*E	0.095 U * E	15 U	0.15 U	0.089 U	0.10 U	0.14 U*E	0.12 U	0.13 U*E	0.094 U*E	0.10 U	0.13 U	0.12 U	0.10 U	0.11 U	0.13 U	0.13 U
1,4-Dichlorobenzene	1,800	130,000	250,000	0.30 U*E	0.43 U	0.42 U*E	0.48 U * E	0.33 U*E	15 U	0.53 U	0.31 U	0.36 U	0.48 U * E	0.43 U	0.44 U*E	0.32 U*E	0.36 U	0.45 U	0.40 U	0.36 U	0.39 U	0.45 U	0.43 U
1,4-Dioxane	100	130,000	250,000	11 U*E	16 U	16 U	18 U	12 U	880 U	19 U	11 U	13 U	18 U	16 U	16 U	12 U	13 U	17 U	15 U	13 U	14 U	16 U	16 U
Acetone	50	500,000	1,000,000	6.5 B * ND E	6.3 B ND	7.6	7.0	8.5	140 J B ND	5.7 U	5.4 B	4.7 B ND	5.9 J	8.3	7.4 B	3.6 J B	14 B ND	12 B	18 B	15 B	17 B	23 B	20 B ND
Benzene	60	44,000	89,000	0.34 U*E	0.48 U	0.48 U	0.55 U	0.37 U	17 U	0.60 U	0.35 U	0.41 U	0.87 J	0.49 U	0.49 U	0.37 U	0.40 U	0.60 J	0.46 U	0.40 U	0.44 U	0.51 U	0.49 U
n-Butylbenzene	12,000	500,000	1,000,000	0.21 U*E	0.29 U	1.9 J * E	0.33 U * E	0.22 U * E	15 U	0.36 U	0.21 U	0.25 U	0.33 U * E	0.29 U	0.30 U * E	0.22 U * E	0.24 U	0.31 U	0.28 U	0.24 U	0.27 U	0.31 U	0.30 U
Carbon tetrachloride	760	22,000	44,000	0.043 U*E	0.061 U	0.060 U	0.069 U	0.046 U	12 U	0.075 U	0.044 U	0.051 U	0.068 U	0.061 U	0.062 U	0.046 U	0.051 U	0.064 U	0.057 U	0.051 U	0.056 U	0.064 U	0.062 U
Chlorobenzene	1,100	500,000	1,000,000	0.088 U*E	0.12 U	0.12 U*E	0.14 U	0.095 U	16 U	0.15 U	0.089 U	0.10 U	0.14 U	0.12 U	0.13 U	0.094 U*E	0.10 U	0.13 U	0.12 U	0.10 U	0.11 U	0.13 U	0.13 U
Chloroform	370	350,000	700,000	0.35 U * E	0.49 U	0.49 U	0.56 U	0.38 U	15 U	0.61 U	0.35 U	0.41 U	0.55 U	0.50 U	0.51 U	0.38 U	0.41 U	0.52 U	0.47 U	0.41 U	0.45 U	0.52 U	0.50 U
Ethylbenzene	1,000	390,000	780,000	0.054 U*E	0.076 U	0.076 U*E	0.087 U	0.058 U	16 U	0.095 U	0.055 U	0.064 U	0.085 U	0.077 U	0.078 U	0.058 U*E	0.064 U	1.8 J	0.072 U	41	0.070 U	2.2 J	0.078 U
Hexachlorobenzene	330	6,000	12,000	49 U E	49 U	47 U	49 U	49 U	60 U	67 U	48 U	49 U	50 U	49 U	56 U	56 U	50 U	59 U	59 U	51 U	58 U	62 U	65 U
Methyl Ethyl Ketone	120	500,000	1,000,000	1.8 U*E	2.5 U	2.5 U	2.8 U	1.9 U	68 U	3.1 U	1.8 U	2.1 U	2.8 U	2.5 U	2.5 U	1.9 U	2.5 J	2.6 U	5.8	5.4	3.3 J	4.2 J	5.9
Methyl tert-butyl ether	930	500,000	1,000,000	0.27 U*E	0.38 U	0.38 U	0.43 U	0.29 U	14 U	0.47 U	0.27 U	0.32 U	0.43 U	0.39 U	0.39 U	0.29 U	0.32 U	0.40 U	0.36 U	0.32 U	0.35 U	0.40 U	0.39 U
Methylene Chloride	50	500,000	1,000,000	0.80 J B * ND E	0.63 J B ND	0.79 J B ND	0.76 J B ND	0.48 U	21 U	1.4 J B ND	0.45 U	0.55 J B ND	0.70 U	0.65 J B ND	0.90 J B ND	0.49 J B ND	0.52 U	0.66 U	0.60 U	0.77 J B	0.58 U	0.87 J B ND	0.71 J B ND
N-Propylbenzene	3,900	500,000	1,000,000	0.25 U * E	0.35 U	0.35 U*E	0.39 U*E	0.27 U*E	16 U	0.43 U	0.25 U	0.29 U	0.39 U*E	0.35 U	0.36 U*E	0.27 U*E	0.29 U	0.37 U	0.33 U	0.33 J	0.32 U	0.37 U	0.35 U
sec-Butylbenzene	11,000	500,000	1,000,000	0.088 U*E	0.12 U	1.8 J * E	0.14 U*E	0.095 U*E	15 U	0.15 U	0.089 U	0.10 U	0.14 U * E	0.12 U	0.13 U*E	0.094 U*E	0.10 U	0.13 U	0.12 U	0.10 U	0.11 U	0.13 U	0.13 U
tert-Butylbenzene	5,900	500,000	1,000,000	0.20 U*E	0.28 U	0.28 U*E	0.32 U*E	0.21 U*E	14 U	0.35 U	0.20 U	0.24 U	0.31 U * E	0.28 U	0.29 U*E	0.21 U*E	0.23 U	0.29 U	0.27 U	0.23 U	0.26 U	0.29 U	0.29 U
Tetrachloroethene	1,300	150,000	300,000	0.23 U*E	0.33 U	0.32 U*E	0.37 U	0.25 U	16 U	0.40 U	0.23 U	0.27 U	0.36 U	0.33 U	0.33 U	0.25 U*E	0.27 U	0.34 U	0.31 U	0.27 U	0.30 U	0.34 U	0.33 U
Toluene	700	500,000	1,000,000	0.30 J * E	0.21 U	1.2 J*E	0.24 U	0.16 U	16 U	0.26 U	0.15 U	0.18 U	0.89 J	0.22 U	0.70 J	1.1 J * E	0.18 U	3.0 J	0.20 U	1.5 J	0.20 U	0.92 J	0.25 J
Trichloroethene	470	200,000	400,000	0.45 U*E	0.64 U	0.64 U	0.73 U	0.49 U	13 U	0.79 U	0.46 U	0.54 U	0.72 U	0.65 U	0.66 U	0.49 U	0.53 U	0.67 U	0.61 U	0.53 U	0.59 U	0.67 U	0.65 U
1,2,4-Trimethylbenzene	3,600	190,000	380,000	0.096 U*E	0.13 U	2.6 J * E	0.15 U * E	0.10 U * E	14 U	0.17 U	0.097 U	0.11 U	0.15 U * E	0.14 U	0.14 U*E	0.10 U*E	0.17 J	0.24 J	0.13 U	0.61 J	0.12 U	0.36 J	0.14 U
1,3,5-Trimethylbenzene	8,400	190,000	380,000	0.18 U* E	0.25 U	0.25 U*E	0.28 U * E	0.19 U*E	16 U	0.31 U	0.18 U	0.21 U	0.28 U * E	0.25 U	0.25 U*E	0.19 U*E	0.21 U	0.26 U	0.23 U	0.30 J	0.23 U	0.26 U	0.25 U
Vinyl chloride	20	13,000	27,000	0.53 U*E	0.74 U	0.74 U	0.84 U	0.57 U	16 U*	0.92 U	0.53 U	0.62 U	0.83 U	0.75 U	0.76 U	0.56 U	0.62 U	0.78 U	0.70 U	0.62 U	0.68 U	0.78 U	0.75 U
Xylenes, Total	260	500,000	1,000,000	0.042 U* E	0.059 U	0.059 U*E	0.067 U	0.046 U	17 U	0.074 U	0.043 U	0.050 U	0.067 U	0.060 U	0.061 U	0.045 U*E	0.050 U	13	0.056 U	270	0.60 J	12	0.060 U

Notes: Values highlighted in yellow indicate exceedance of Unrestricted Use Clay Cleanup Objective. Values highlighted in blue indicate exceedance of Commercial Use Clay Cleanup Objectives. Values highlighted in gray indicate exceedance of Industrial Use Clay Cleanup Objectives.

Lab Qualifiers: U = Not detected above the laboratory method detection limit shown. J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value. B = Compound was found in the blank sample. * = Laboratory Control Sample (LCS) or Laboratory Control Sample Duplicate (LCSD) exceeds the control limits.

Data Validation Qualifiers: ND = Not Detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank. E = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method . R = Unreliable result; data is rejected or unusable. Analyte may not be present in the sample. Supporting data or information is necessary to confirm the result.

Table 3a: Analytical Results for Full Parameter Sampling Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York November 18-20, 2014

			Sample ID	SP01S	SP02S	SP03S	SP04S	SP05S	SP05D	SP06S	SP06D	DPP02ES	DPP05ES	DPP08ES	DPP10ES	DPP13ES	DPP16ES	SUMP FILL	SUMP Clay	DP01 FILL	DP01 Clay	DP03 FILL	DP03 Clay
			Sample Matrix	Fill	Fill	Fill	Fill	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil						
			Date Sampled	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/19/2014	11/19/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014
	Soi	l Cleanup Objec																					1
Pesticides (µg/kg)	Unrestricted	Commercial	Industrial																				1
Silvex (2,4,5-TP)	3,800	500,000	1,000,000	6.3 U	6.4 U	6.3 U	6.2 U	6.3 U	7.7 U	8.3 U	6.3 U	6.4 U	6.4 U	6.4 U	7.1 U	7.1 U	6.4 U	7.7 U	7.6 U	6.5 U	7.4 U	7.9 U	8.1 U
4,4'-DDE	3.3	62,000	120,000	36 U	3.8 U	3.7 U	3.6 U	0.36 U	0.44 U	25 U	0.36 U	19 U	0.37 U	0.36 U	42 U	20 U	19 U	0.45 U	0.44 U	0.37 U	0.42 U	0.76 J E	0.48 U
4,4'-DDT	3.3	47,000	94,000	41 U	4.2 U	4.1 U	4.0 U	0.41 U	0.50 U	28 U	0.40 U	21 U	0.41 U	0.41 U	47 U	23 U	21 U	2.1 E	0.50 U	0.41 U	0.47 U	0.52 U	0.53 U
4,4'-DDD	3.3	92,000	180,000	34 U	3.5 U	3.4 U	3.3 U	0.34 U	0.41 U	23 U	0.33 U	17 U	0.34 U	0.34 U	39 U	19 U	17 U	0.41 U	0.41 U	0.34 U	0.39 U	0.43 U	0.44 U
Aldrin	5.0	680	1,400	43 U	4.4 U	4.3 U	4.2 U	0.43 U	0.52 U	29 U	0.42 U	22 U	0.44 U	0.43 U	49 U	24 U	22 U	0.53 U	0.52 U	0.44 U	0.50 U	0.54 U	0.56 U
alpha-BHC	20	3,400	6,800	31 U	3.2 U	4.9 J B ND	3.1 U	1.5 J B ND	0.84 J B ND	21 U	1.2 J B ND	16 U	3.1 B ND	2.6 B ND	36 U	17 U	16 U	1.5 J B ND	1.2 J B ND	0.51 J	0.88 J	1.4 J B ND	1.3 J B N
beta-BHC	36	3,000	14,000	31 U	3.2 U	3.1 U	3.1 U	0.31 U	0.38 U	21 U	0.31 U	16 U	1.8 R	1.9 R	36 U	17 U	16 U	0.38 U	0.38 U	0.32 U	0.36 U	0.40 U	2.7
alpha-Chlordane	94	24,000	47,000	86 U	9.0 U	8.7 U	8.5 U	0.86 U	1.1 U	59 U	0.86 U	44 U	0.88 U	0.86 U	99 U	48 U	44 U	1.1 U	1.1 U	0.88 U	1.0 U	1.1 U	1.1 U
delta-BHC	40	500,000	1,000,000	32 U	3.3 U	3.2 U	3.2 U	0.43 J	0.39 U	22 U	0.32 U	17 U	0.49 J JN	0.65 J R	37 U	18 U	17 U	0.40 U	0.39 U	0.33 U	0.38 U	0.41 U	0.42 U
Dibenzofuran	7,000	350,000	1,000,000	17 U	17 U	16 U	17 U	17 U	21 U	23 U	17 U	17 U	17 U	17 U	19 U	20 U	17 U	21 U	20 U	18 U	20 U	21 U	22 U
Dieldrin	5.0	1,400	2,800	42 U	4.3 U	4.2 U	4.1 U	0.42 U	0.51 U	28 U	0.41 U	21 U	0.43 U	0.42 U	48	23 U	21 U	0.51 U	0.51 U	0.43 U	0.49 U	0.53 U	0.54 U
Endosulfan I	2,400	200,000	920,000	33 U	3.5 U	3.3 U	3.3 U	0.33 U	0.41 U	23 U	0.33 U	17 U	0.34 U	0.33 U	38 U	19 U	17 U	0.41 U	0.41 U	0.34 U	0.39 U	0.42 U	0.44 U
Endosulfan II	2,400	200,000	920,000	31 U	3.2 U	3.1 U	3.1 U	0.31 U	0.38 U	21 U	0.31 U	16 U	0.32 U	0.31 U	36 U	17 U	16 U	0.38 U	0.38 U	0.32 U	0.36 U	0.40 U	0.41 U
Endosulfan sulfate	2,400	200,000	920,000	32 U	3.4 U	3.2 U	3.2 U	0.32 U	0.40 U	22 U	0.32 U	17 U	0.33 U	0.32 U	37 U	18 U	17 U	0.40 U	0.40 U	0.33 U	0.38 U	0.41 U	0.42 U
Endrin	14	89,000	410,000	34 U	3.6 U	3.4 U	3.4 U	0.34 U	0.42 U	23 U	0.34 U	18 U	0.35 U	0.34 U	40 U	19 U	18 U	0.42 U	0.42 U	0.35 U	0.40 U	0.44 U	0.45 U
Heptachlor	42	15,000	29,000	38 U	3.9 U	3.8 U	3.7 U	0.38 U	0.46 U	25 U	0.37 U	19 U	0.38 U	0.38 U	43 U	21 U	19 U	0.46 U	0.46 U	0.38 U	0.44 U	0.48 U	0.49 U
gamma-BHC (Lindane)	100	9,200	23,000	32 U	3.3 U	3.2 U	3.1 U	0.32 U	0.39 U	22 U	0.32 U	16 U	0.46 J	0.32 U	37 U	18 U	16 U	0.39 U	0.39 U	0.33 U	0.37 U	0.40 U	0.42 U

				apola	apoad	00000	apo (a	00050	aposp	00040	ano ch	DBBOADA	DBBOSES	DDDOODG	DDDIOEG	DDD10D0	D D D L C D C			DB01 FW I	DD01 GI	DD02 FW	DD02 Cl
			Sample ID	SP01S	SP02S	SP03S	SP04S	SP05S	SP05D	SP06S	SP06D	DPP02ES	DPP05ES	DPP08ES	DPP10ES	DPP13ES	DPP16ES	SUMP FILL	SUMP Clay	DP01 FILL	DP01 Clay	DP03 FILL	DP03 Clay
			Sample Media	Fill	Fill	Fill	Fill	Fill	Soil	Fill	Soil	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Soil	Fill	Soil	Fill	Soil
			Date Sampled	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/19/2014	11/19/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014
	Soil	l Cleanup Object	ives																				
Metals (mg/kg)	Unrestricted	Commercial	Industrial																				
Arsenic, Total Recoverable	13	16	16	18.7 E	19.1 E	27.0 E	10.5 E	13.1 E	7.7 E	18.8 E	6.5 E	76.4 E	40.4 E	46.3 E	17.7 E	28.9 E	46.5 E	333 E	74.3 E	641 E	14.5 E	401 E	8.7 E
Barium, Total Recoverable	350	400	10,000	103 E	89.1 E	78.8 E	90.8 E	107 E	488 E	75.9 E	126 E	64.5 E	37.5 E	64.0 E	83.6 E	71.8 E	81.0 E	84.5 E	157 E	65.7 E	211 E	325 E	224 E
Beryllium, Total Recoverable	7.2	590	2,700	0.35	0.48	0.56	0.57	0.52	1.7	0.55	1.1	0.61	0.52	0.59	0.46	0.66	0.49	0.69	1.4	0.59	1.3	0.51	1.5
Cadmium, Total Recoverable	2.5	9.3	60	0.44	0.51	0.77	0.56	0.67	0.76	0.63	0.59	1.3	0.85	0.97	0.56	0.70	0.84	4.3	1.6	2.5	0.051 J	6.0	0.75
Chromium, hexavalent	1.0	400	800	0.70 J	0.29 U	0.29 U	0.28 U	0.28 U	0.35 U	1.2 E	0.29 U	0.38 J	0.65 J	1.1	0.33 U	0.32 U	0.82 J	5.2	0.35 U	2.0	0.34 U	0.86 J	0.37 U
Chromium, trivalent	30	1,500	6,800	9.6	17.4	26.8	16.8	13.7	30.7	25.4	23.5	62.1	36.4	39.4	20.6	32.9	40.9	161	169	614	35.9	97.8	31.8
Chromium, Total Recoverable	-	-	-	10.3 E	17.4 E	26.8 E	16.8 E	13.7 E	30.7 E	26.6	23.5	62.4 E	37.1 E	40.5 E	20.6	32.9	41.7 E	166 E	169 E	616 E	35.9 E	98.6 E	31.8 E
Copper, Total Recoverable	50	270	10,000	17.2 E	47.9 E	45.0 E	23.6 E	33.1 E	36.9 E	27.2 E	26.8 E	78.1 E	80.6 E	82.5 E	26.3 E	32.1 E	36.5 E	424 E	98.3 E	358 E	35.6 E	225 E	34.0 E
Cyanide, Total	27	27	10,000	0.48 U E	0.52 U E	0.51 U E	0.49 U E	3.0 E	0.63 UE	0.66 U E	0.49 U E	0.52 U	0.51 U	0.50 U	0.58 U	0.55 U	0.51 U	2.1 E	0.61 U	0.52 U E	0.60 U	0.61 U E	0.64 U
Lead, Total Recoverable	63	1,000	3,900	8.8 B E	12.1 B E	17.3 BE	15.4 B E	26.7 B E	18.2 B E	12.6	15.6	15.8 B E	16.6 B E	18.4 B E	13.0	16.2	13.4 B E	16.0	17.5	17.7	18.5	24.3	20.8
Manganese, Total Recoverable	1,600	10,000	10,000	187 B E	322 B E	454 B E	455 B E	1900 B E	294 B E	408 E	334 E	282 B E	226 B E	166 B E	399 E	150 E	193 B E	850 E	1080 E	405 B E	700 B E	5470 B E	774 B E
Mercury, Total Recoverable	0.18	2.8	5.7	0.025	0.023	0.027	0.016 J	0.025	0.046	0.017 J	0.019 J	0.023	0.031	0.028	0.024	0.039	0.024	0.030	0.029	0.023	0.029	0.023 J	0.028
Nickel, Total Recoverable	30	310	10,000	12.8 E	19.2 E	27.8 E	28.0 E	27.7 E	43.5 E	23.6	33.9	31.3 E	27.9 E	30.9 E	21.9	28.8	22.5 E	31.7	48.5	33.9	42.2	25.9	43.6
Selenium, Total Recoverable	3.9	1,500	6,800	0.41 U	0.45 U	0.46 U	0.66 J B	0.40 U	1.0 J B	0.57 U	0.40 U	0.44 U	0.42 U	0.64 J B	0.53 U	0.83 J	0.39 U	1.4 J	0.70 J	0.64 J	0.50 U	0.55 U	1.2 J
Silver, Total Recoverable	2.0	1,500	6,800	0.21 U	0.22 U	0.23 U	0.21 U	0.20 U	0.27 U	0.29 U	0.20 U	0.22 U	0.21 U	0.23 U	0.27 U	0.26 U	0.20 U	0.29 U	0.26 U	0.21 U	0.25 U	0.28 U	0.30 U
Zinc, Total Recoverable	109	10,000	10,000	26.4 B E	51.6 B E	66.0 B E	72.9 B E	65.8 B E	87.5 B E	54.9 B E	66.4 B E	149 B E	86.2 B E	71.7 BE	60.9 B E	66.8 B E	54.6 E	103 B E	82.1 B E	87.1 B E	81.5 B E	76.0 B E	93.6 B E

			Sample ID	SP01S	SP02S	SP03S	SP04S	SP05S	SP05D	SP06S	SP06D	DPP02ES	DPP05ES	DPP08ES	DPP10ES	DPP13ES	DPP16ES	SUMP FILL	SUMP Clay	DP01 FILL	DP01 Clay	DP03 FILL	DP03 Clay
			Sample Media	Fill	Fill	Fill	Fill	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil	Fill	Soil						
			Date Sampled	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/18/2014	11/18/2014	11/19/2014	11/19/2014	11/18/2014	11/19/2014	11/19/2014	11/20/2014	11/20/2014	11/19/2014	11/19/2014
	Soil	Cleanup Objec	tives																				
PCBs (mg/kg)	Unrestricted	Commercial	Industrial																				
Polychlorinated biphenyls, Total	0.1	1.0	25	0.11 U	0.11 U	0.11 U	0.099 U	0.11 U	0.15 U	0.14 U	0.12 U	0.10 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U	0.12 U	0.14 U	0.10 U	0.12 U	0.12 U	0.15 U

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Clay Cleanup Objective. Values highlighted in blue indicate exceedance of Commercial Use Clay Cleanup Objectives. Values highlighted in gray indicate exceedance of Industrial Use Clay Cleanup Objectives.

Lab Qualifiers: U = Not detected above the laboratory method detection limit shown. J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value. B = Compound was found in the blank sample. * = Laboratory Control Sample (LCS) or Laboratory Control Sample Duplicate (LCSD) exceeds the control limits.

Data Validation Qualifiers: ND = Not Detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank. E = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method. R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

Table 3b: Summary of Chromium and Arsenic Detections at Drip Pad Sample Locations Northeast Treaters of New York, LLC 796 Schoharie Turnpike,Town of Athens, New York November 19-20, 2014

			Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable	Chromium, hexavalent
			Units	mg/kg	mg/kg	mg/kg
			Soil Cleanup Objectives (Unrestricted)	13	30	1
			Soil Cleanup Objectives (Commercial)	16	1,500	400
			Soil Cleanup Objectives (Industrial)	16	6,800	800
Sample ID	Sample Depth Interval	Sample Matrix	Date Sampled			
SUMP Fill	1 - 3' bgs	Fill	11/19/2014	333	166	5.2
SUMP Clay	3 - 4' bgs	Soil	11/19/2014	74.3	169	0.35 U
SUMP A	5 - 6' bgs	Soil	11/19/2014	34.7	50.2	0.37 U
SUMP B	10 - 11' bgs	Soil	11/19/2014	6.4	26	0.37 U
SUMP C	14 - 15' bgs	Soil	11/19/2014	9.3	22.2	0.29 U
DP01 FILL	1 - 3' bgs	Fill	11/20/2014	641	616	2
DP01 CLAY	3 - 4' bgs	Soil	11/20/2014	14.5	35.9	0.34 U
DP01A	5 - 6' bgs	Soil	11/20/2014	12.6	30	0.33 U
DP01B	10 - 11' bgs	Soil	11/20/2014	5.3	21	0.34 U
DP01C	14 - 15' bgs	Soil	11/20/2014	7.9	25.4	0.38 U
DP02A	1 - 3' bgs	Fill	11/20/2014	1360	1260	9.4
DP02B	4 - 5' bgs	Soil	11/20/2014	6.3	31.6	0.37 U
DP02C	8 - 9' bgs	Soil	11/20/2014	7.9	24.5	3.5
DP03 FILL	1 - 3' bgs	Fill	11/19/2014	401	98.6	0.86 J
DP03 CLAY	3 - 4' bgs	Soil	11/19/2014	8.7	31.8	0.37 U
DP03A	5 - 6' bgs	Soil	11/19/2014	8.6	28.3	0.37
DP03B	10 - 11' bgs	Soil	11/19/2014	13.3	25.2	0.41 J
DP03C	14 - 15' bgs	Soil	11/19/2014	20.5	30.1	0.38 J
DP04A	1 - 3' bgs	Fill	11/20/2014	91.8	37.8	1.5
DP04B	3 - 4' bgs	Soil	11/20/2014	6.8	29.7	0.34 U
DP04C	5 - 6' bgs	Soil	11/20/2014	5.2	29.2	0.34 U
DP04D	10 - 11' bgs	Soil	11/20/2014	5.9	27.6	0.34 U
DP04E	14 - 15' bgs	Soil	11/20/2014	11	30.1	0.39 U

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives.

Values highlighted in blue indicate exceedance of Commercial Use Soil Cleanup Objectives.

Values highlighted in gray indicate exceedance of Industrial Use Soil Cleanup Objectives.

Lab Qualifiers:

U = Not detected above the laboratory method detection limit shown.

J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.

Data Validation Qualifier:

Table 3c: Summary of Chromium and Arsenic Detections at DPP Sample Locations Northeast Treaters of New York, LLC 796 Schoharie Turnpike,Town of Athens, New York November 17-20, 2014

			Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable	Chromium, Hexavalent
			Units	mg/kg	mg/kg	mg/kg
			Soil Cleanup			
			Objectives	13	30	1
			(Unrestricted)			
			Soil Cleanup			
			Objectives	16	1,500	400
			(Commercial)			
			Soil Cleanup			
			Objectives	16	6,800	800
			(Industrial)		,	
Sample ID	Sample Depth Interval	Soil Matrix	Date Sampled			
DPP01IS	0 - 1' bgs	Fill	11/17/2014	27.7	12.9	0.28 U
DPP01ID	3 - 5' bgs	Soil	11/17/2014	7.4	22.4	0.45 J
DPP01ES	0 - 1' bgs	Fill	11/17/2014	16.5	14.5	0.30 U
DPP02IS	0 - 1' bgs	Fill	11/17/2014	127	67.9	1.6
DPP02ES	0 - 2' bgs	Fill	11/18/2014	76.4	62.4	0.38 J
DPP02ED	3 - 4' bgs	Soil	11/18/2014	8.4	23.8	0.35 U
DPP03IS	0 - 1' bgs	Fill	11/17/2014	103	64.7	3.3
DPP03ID	3 - 5' bgs	Soil	11/17/2014	5.1	28.6	0.36 U
DPP03ES	0 - 1' bgs	Fill	11/17/2014	83.8	54.3	0.93
DPP04IS	0 - 1' bgs	Fill	11/17/2014	43.6	36.6	4.2
DPP04ES	0 - 1' bgs	Fill	11/17/2014	35.3	28.5	2.1
DPP04ED	3 - 5' bgs	Soil	11/17/2014	9.0	22.4	0.34 U
DPP05IS	0 - 1' bgs	Fill	11/17/2014	66.3	33.6	1.8
DPP05ID	3 - 5' bgs	Soil	11/17/2014	7.8	26.3	0.68 J
DPP05ES	0 - 3' bgs	Fill	11/18/2014	40.4	37.1	0.65 J
DPP06IS	0 - 1' bgs	Fill	11/17/2014	47.9	27.3	0.6 J
DPP06ES	0 - 1' bgs	Fill	11/17/2014	78.8	57.3	0.29 U
DPP06ED	3 - 5' bgs	Soil	11/17/2014	9.7	26.2	0.38 J
DPP07IS	0 - 1' bgs	Fill	11/17/2014	206	91.7	4.8
DPP07ID	4 - 7' bgs	Soil	11/17/2014	35.7	47.3	0.48 J
DPP07ES	0 - 2' bgs	Fill	11/17/2014	23.8	18.2	0.29 U
DPP08IS	0 - 1' bgs	Fill	11/17/2014	46.4	38.6	0.30 U
DPP08ES	0 - 2' bgs	Fill	11/18/2014	46.3	40.5	1.1
DPP08ED	4 - 5' bgs	Soil	11/18/2014	8.2	27	0.35 U

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives.

Values highlighted in blue indicate exceedance of Commercial Use Soil Cleanup Objectives.

Values highlighted in gray indicate exceedance of Industrial Use Soil Cleanup Objectives.

Lab Qualifiers:

U = Not detected above the laboratory method detection limit shown.

J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an

Data Validation Qualifier:

Table 3c: Summary of Chromium and Arsenic Detections at DPP Sample Locations Northeast Treaters of New York, LLC 796 Schoharie Turnpike,Town of Athens, New York November 17-20, 2014

			Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable	Chromium, Hexavalent
			Units	mg/kg	mg/kg	mg/kg
			Soil Cleanup			
			Objectives	13	30	1
			(Unrestricted)			
			Soil Cleanup			
			Objectives	16	1,500	400
			(Commercial)			
			Soil Cleanup			
			Objectives	16	6,800	800
			(Industrial)			
Sample ID	Sample Depth Interval	Soil Matrix	Date Sampled			
DPP09IS	1 - 3' bgs	Fill	11/20/2014	72.4	17.8	0.29 U
DPP09ID	4 - 5' bgs	Soil	11/20/2014	10.4	30.1	0.35 U
DPP09ES	1 - 3' bgs	Fill	11/20/2014	86.1	96.7	3.1
DPP09ED	4 - 5' bgs	Soil	11/20/2014	12.6	30.1	0.59 J
DPP10IS	1 - 3' bgs	Fill	11/19/2014	9.3	15.5	0.32 U
DPP10ED	4 - 5' bgs	Soil	11/19/2014	6.4	22.5	0.62 U
DPP10ES	1 - 3' bgs	Fill	11/19/2014	17.7	20.6	0.33 U
DPP11IS	1 - 2' bgs	Fill	11/18/2014	34.6	34.5	1.9
DPP11ID	4 - 5' bgs	Soil	11/18/2014	11.3 E	27 E	0.46 J
DPP11ES	1 - 2' bgs	Fill	11/19/2014	35.8	34.3	2.5
DPP12IS	1 - 3' bgs	Fill	11/18/2014	30.4	31.8	1.1
DPP12ES	1 - 3' bgs	Fill	11/18/2014	62.4	50.1	2.5
DPP12ED	4 - 5' bgs	Soil	11/18/2014	11.1	27.5	0.37 U
DPP13IS	1 - 3' bgs	Fill	11/19/2014	24.6	28.4	0.90 J
DPP13ID	4 - 5' bgs	Soil	11/19/2014	9.1	25.1	0.33 U
DPP13ES	1 - 3' bgs	Fill	11/19/2014	28.9	32.9	0.32 U
DPP14IS	1 - 2' bgs	Fill	11/17/2014	24	23.4	1.7
DPP14ES	3 - 5' bgs	Fill	11/17/2014	52.9	34.6	0.33 J
DPP14ED	4 - 5' bgs	Soil	11/17/2014	7.0	30.3	0.35 U
DPP15IS	1 - 2' bgs	Fill	11/17/2014	104	77.2	1.6
DPP15ID	3 - 5' bgs	Soil	11/17/2014	6.7	30.6	2.0
DPP15ES	1 - 2' bgs	Fill	11/17/2014	7.9	17.9	0.32 J
DPP16IS	1 - 2' bgs	Fill	11/17/2014	35.8	37.3	0.82 J
DPP16ES	0 - 2' bgs	Fill	11/18/2014	46.5	41.7	0.82 J
DPP16ED	3 - 4' bgs	Soil	11/18/2014	7.4	26.6	0.36 U

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives.

Values highlighted in blue indicate exceedance of Commercial Use Soil Cleanup Objectives.

Values highlighted in gray indicate exceedance of Industrial Use Soil Cleanup Objectives.

Lab Qualifiers:

 $\mathbf{U}=\mathbf{N}\mathbf{o}t$ detected above the laboratory method detection limit shown.

J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an

Data Validation Qualifier:

			Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable	Chromium, Hexavalent
			Units	mg/kg	mg/kg	mg/kg
			Soil Cleanup Objectives (Unrestricted)	13	30	1
			Soil Cleanup Objectives (Commercial)	16	1,500	400
			Soil Cleanup Objectives (Industrial)	16	6,800	800
Sample ID	Sample Depth Interval	Sample Matrix	Date Sampled			
SP01S	1 - 4' bgs	Fill	11/18/2014	18.7	10.3	0.70 J
SP01D	4 - 5' bgs	Soil	11/18/2014	6.2	23.8	0.36 U
SP02S	0 - 2' bgs	Fill	11/18/2014	19.1	17.4	0.29 U
SP02D	3 - 4' bgs	Soil	11/18/2014	3.8	32.7	0.37 U
SP03S	0 - 2' bgs	Fill	11/18/2014	27	26.8	0.29 U
SP03D	3 - 4' bgs	Soil	11/18/2014	6.7	23.6	0.36 U
SP04S	0 - 2' bgs	Fill	11/18/2014	10.5	16.8	0.28 U
SP04D	4 - 5' bgs	Soil	11/18/2014	8.9	30	0.35 U
SP05S	0 - 2' bgs	Fill	11/18/2014	13.1	13.7	0.28 U
SP05D	4 - 6' bgs	Soil	11/18/2014	7.7	30.7	0.35 U
SP06S	1 - 4' bgs	Fill	11/19/2014	18.8	26.6	1.2
SP06D	4 - 5' bgs	Soil	11/19/2014	6.5	23.5	0.29 U
SP07	0 - 1' bgs	Fill/Soil	01/22/2015	44.4	51.4 E	0.35 U
SP08	0 - 0.5' bgs	Fill/Soil	01/22/2015	9.7	32.5 E	0.36 U
SP09	0 - 1' bgs	Soil	01/22/2015	8.3	21.8 E	0.35 U
SP10	0 - 1' bgs	Soil	01/22/2015	6.1	0.28 U	0.35 U
SP11	0.5 - 1' bgs	Fill	01/22/2015	8.8	7.3 E	0.28 U
SP12	0.5 - 1' bgs	Fill	01/22/2015	9.0	7.6 E	0.28 U

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives.

Values highlighted in blue indicate exceedance of Commercial Use Soil Cleanup Objectives.

Values highlighted in gray indicate exceedance of Industrial Use Soil Cleanup Objectives.

Lab Qualifiers:

U = Not detected above the laboratory method detection limit shown.

J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.

Data Validation Qualifier:

Table 3d: Summary of Chromium and Arsenic Detections at Site Permiter Sample Locations Northeast Treaters of New York, LLC 796 Schoharie Turnpike,Town of Athens, New York

			Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable	Chromium, Hexavalent
			Units	mg/kg	mg/kg	mg/kg
			Soil Cleanup Objectives (Unrestricted)	13	30	1
			Soil Cleanup Objectives (Commercial)	16	1,500	400
			Soil Cleanup Objectives (Industrial)	16	6,800	800
Sample ID	Sample Depth Interval	Sample Matrix	Date Sampled			
SP-13	0 - 1'	Soil	4/15/2015	24	28	0.2 U R
SP-13S	0 - 2"	Soil	4/15/2015	29	35	0.19 U R
SP-14	0 - 1'	Soil	4/15/2015	17	29	0.21 U R
SP-14S	0 - 2"	Soil	4/15/2015	18	29	0.21 U R
SP-15	0 - 1'	Soil	4/15/2015	16	27	0.22 U R
SP-15S	0 - 2"	Soil	4/15/2015	19	22	0.25 U R
SP-16	0 - 1'	Soil	4/15/2015	14	26 E	0.22 U
SP-16S	0 - 2"	Soil	4/15/2015	8.3	21 E	0.22 U
SP-17	0 - 1'	Soil	4/15/2015	20	22 E	0.2 U
SP-17S	0 - 2"	Soil	4/20/2015	13	17 E	0.2 U
SP-18	0 - 1'	Soil	4/15/2015	16	28 E	0.21 U
SP-18S	0 - 2"	Soil	4/15/2015	19	20 E	0.21 U
SP-19	0 - 1'	Soil	4/15/2015	13	23 E	0.21 U
SP-19S	0 - 2"	Soil	4/15/2015	19	25 E	0.2 U
SP-20	0 - 1'	Soil	4/15/2015	6.8	20 E	0.23 U
SP-20S	0 - 2"	Soil	4/15/2015	20	21 E	0.18 U
SP-21	0 - 1'	Fill	4/15/2015	15	17 E	0.17 U E
SP-21S	0 - 2"	Fill	4/15/2015	9.4	9.7 E	0.16 U E
SP-22	0.5 - 1'	Fill	4/15/2015	13	11 E	0.17 U E
SP-23	0.5 - 1'	Fill	4/15/2015	9.9	23 E	0.17 U E
SP-24	0.5 - 1'	Fill	4/15/2015	12	8.1 E	0.17 U E
SP-25	0.5 - 1'	Fill	4/15/2015	9	26 E	0.17 U E
SP-26	0.5 - 1'	Soil	4/15/2015	12	29	0.23 U E
SP-26S	0 - 2"	Fill/Soil	4/20/2015	13	27	0.22 U E

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives.

Values highlighted in blue indicate exceedance of Commercial Use Soil Cleanup Objectives.

Values highlighted in gray indicate exceedance of Industrial Use Soil Cleanup Objectives.

Lab Qualifiers:

U = Not detected above the laboratory method detection limit shown.

J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.

Data Validation Qualifier:

E = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

Table 3e: Summary of Chromium and Arsenic Detections at Former Woodland Sample Locations Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York April 15, 2015

			Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable	Chromium, Hexavalent
			Units	mg/kg	mg/kg	mg/kg
			Soil Cleanup Objectives (Unrestricted)	13	30	1
			Soil Cleanup Objectives (Commercial)	16	1,500	400
			Soil Cleanup Objectives (Industrial)	16	6,800	800
Sample ID	Sample Depth Interval	Sample Matrix	Date Sampled			
OSS-1	0 - 2"	Soil	4/15/2015	46	46 E	0.24 U E
OSS-2	0 - 2"	Soil	4/15/2015	50	45 E	0.25 U E
OSS-3	0 - 2"	Soil	4/15/2015	34	39 E	0.51 U E
OSS-4	0 - 2"	Soil	4/15/2015	27	31	0.28 U R
OSS-5	.5 - 1'	Soil	4/20/2015	16	27	0.23 U E
OSS-5S	0 - 2"	Soil	4/20/2015	17	28	0.25 U E
OSS-6	.5 - 1'	Soil	4/20/2015	16	22	0.22 U E
OSS-6S	0 - 2"	Soil	4/20/2015	23	27	0.24 U E
OSS-7	.5 - 1'	Soil	4/20/2015	9.5	21	0.23 U E
OSS-7S	0 - 2"	Soil	4/20/2015	24	31	0.94 J
OSS-8	.5 - 1'	Soil	4/20/2015	11	25	0.24 U E
OSS-8S	0 - 2"	Soil	4/20/2015	17	26	0.31 U E
OSS-9	.5 - 1'	Soil	4/20/2015	12	21	0.21 U
OSS-9S	0 - 2"	Soil	4/20/2015	35	35	0.22 U E
OSS-10	.5 - 1'	Soil	4/20/2015	7.7	15	0.22 U E
OSS-10S	0 - 2"	Soil	4/20/2015	14	19	0.25 U E
OSS-11	.5 - 1'	Soil	4/20/2015	9.1	21	0.24 U E
OSS-11S	0 - 2"	Soil	4/20/2015	11	22	0.25 U E
OSS-12	.5 - 1'	Soil	4/20/2015	11	22	0.22 U E
OSS-12S	0 - 2"	Soil	4/20/2015	20	28	0.26 U E
OSS-13	.5 - 1'	Soil	4/20/2015	9.3	20	0.35 J
OSS-13S	0 - 2"	Soil	4/20/2015	19	30	0.32 U E
OSS-15	.5 - 1'	Soil	4/20/2015	8.5	23	0.23 U
OSS-15S	0 - 2"	Soil	4/20/2015	11	24	0.3 U
OSS-16	.5 - 1'	Soil	4/20/2015	12	29	0.28 U
OSS-16S	0 - 2"	Soil	4/20/2015	12	26	0.35 U
OSS-17	.5 - 1'	Soil	4/20/2015	7.7	24	0.23 U
OSS-17S	0 - 2"	Soil	4/20/2015	7.4	20	0.32 U
OSS-18	.5 - 1'	Soil	4/20/2015	7.2	26	0.24 U
OSS-18S	0 - 2"	Soil	4/20/2015	7.7	21	0.24 U
OSS-19	.5 - 1'	Soil	4/20/2015	7.1	20	0.23 U
OSS-19S	0 - 2"	Soil	4/20/2015	9.2	21	0.27 U E

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives. Values highlighted in blue indicate exceedance of Commercial Use Soil Cleanup Objectives.

Values highlighted in bite indicate exceedance of Iconinercial Use Soil Cleanup Objectives.

Lab Qualifiers:

U = Not detected above the laboratory method detection limit shown.

J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.

Data Validation Qualifier:

E = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

Table 3f: Summary of Chromium and Arsenic Detections at Catch Basin Locations Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York April 15 & 20, 2015

			Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable	Chromium, Hexavalent
			Units	mg/kg	mg/kg	mg/kg
			Soil Cleanup Objectives (Unrestricted)	13	30	1
			Soil Cleanup Objectives (Commercial)	16	1,500	400
			Soil Cleanup Objectives (Industrial)	16	6,800	800
Sample ID	Sample Depth Interval	Sample Matrix	Date Sampled			
CB-01	0 - 2"	Sediment	4/15/2015	28	30 E	0.25 U E
CB-02	0 - 2"	Soil	4/15/2015	35	43 E	0.21 J E
CB-03	0 - 2"	Soil	4/15/2015	40	36 E	0.2 U E
CB-04	0 - 2"	Soil	4/15/2015	24	41	0.21 U E
CB-05	0 - 2"	Soil	4/15/2015	27	28	0.2 U E
CB-06	0 - 2"	Soil	4/15/2015	26	33	0.22 U E
CB-07	0 - 2"	Sediment	4/15/2015	36	35	0.34 J
CB-08	0 - 2"	Sediment	4/20/2015	39	87	0.33 J E

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives.

Values highlighted in blue indicate exceedance of Commercial Use Soil Cleanup Objectives.

Values highlighted in gray indicate exceedance of Industrial Use Soil Cleanup Objectives.

Lab Qualifiers:

U = Not detected above the laboratory method detection limit shown.

J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.

Data Validation Qualifier:

E = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

Table 3g: Soil Sample Results - Total Recoverable Metals Northeast Treaters of New York, LLC 796 Schoharie Turnpike,Town of Athens, New York June 23, 2014

			Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable
			Units	mg/kg	mg/kg
			Soil Cleanup Objectives (Unrestricted)	13	30
			Soil Cleanup Objectives (Commercial)	16	1,500
			Soil Cleanup Objectives (Industrial)	16	6,800
Sample ID	Sample Depth Interval	Sample Matrix	Date Sampled		
S-1A	1.0 - 2.0' bgs	Fill	6/23/2014	1430	1060
S-1B	2.0 - 3.0' bgs	Fill	6/23/2014	95.3	316
S-1C	3.0 - 4.0' bgs	Soil	6/23/2014	6.7	20.6
S-1D	4.0 - 5.0' bgs	Soil	6/23/2014	17.1	37.3
S-1E	5.0 - 6.0' bgs	Soil	6/23/2014	9.2	25.6
S-2A	1.0 - 2.0' bgs	Fill	6/23/2014	26.0	11.7
S-2B	2.0 - 3.0' bgs	Fill	6/23/2014	10.1	20.8
S-2C	3.0 - 4.0' bgs	Soil	6/23/2014	8.0	17.3
S-2D	4.0 - 5.0' bgs	Soil	6/23/2014	7.2	17.3
S-2E	5.0 - 6.0' bgs	Soil	6/23/2014	8.4	16.7
S-3A	1.0 - 2.0' bgs	Fill	6/23/2014	56.8	76.5
S-3B	2.0 - 3.0' bgs	Fill	6/23/2014	7.5	24.9
S-3C	3.0 - 4.0' bgs	Soil	6/23/2014	9.0	29.8
S-3D	4.0 - 5.0' bgs	Soil	6/23/2014	6.7	19.9
S-3E	5.0 - 6.0' bgs	Soil	6/23/2014	7.0	22.9
S-4A	1.0 - 2.0' bgs	Fill	6/23/2014	78.0	55.0
S-4B	2.0 - 3.0' bgs	Fill	6/23/2014	39.7	66.8
S-4C	3.0 - 4.0' bgs	Soil	6/23/2014	53.2	46.2
S-4D	4.0 - 5.0' bgs	Soil	6/23/2014	64.1	40.7
S-4E	5.0 - 6.0' bgs	Soil	6/23/2014	52.6	47.3

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objective.

Values highlighted in blue indicate exceedance of Commercial Use Soil Cleanup Objectives.

Values highlighted in gray indicate exceedance of Industrial Use Soil Cleanup Objectives.

Table 3h: Drip Pad Concrete Sample Results - Total Recoverable Metals Northeast Treaters of New York, LLC 796 Schoharie Turnpike,Town of Athens, New York June 23, 2014

		Analyte	Arsenic, Total Recoverable	Chromium, Total Recoverable
		Units	mg/kg	mg/kg
Sample ID	Sample Matrix	Sample Depth Interval		
C-1A	Concrete	0 - 3" bgs	7.6	262
C-1B	Concrete	3 - 6" bgs	740	1610
C-1C	Concrete	6 - 9" bgs	1290	726
C-2A	Concrete	0 - 3" bgs	7.4	20.0
C-2B	Concrete	3 - 6" bgs	8.6	15.5
C-2C	Concrete	6 - 9" bgs	6.7	13.1
C-3A	Concrete	0 - 3" bgs	9.1	257
C-3B	Concrete	3 - 6" bgs	48.7	61.0
C-3C	Concrete	6 - 9" bgs	88.5	96.0
C-4A	Concrete	0 - 3" bgs	8.5	299
C-4B	Concrete	3 - 6" bgs	198	111
C-4C	Concrete	6 - 9" bgs	448	237

Table 3i: Soil Sample Results - TCLP Metals Northeast Treaters of New York, LLC 796 Schoharie Turnpike,Town of Athens, New York June 23, 2014

		Parameter	Arsenic (mg/L)	Chromium (mg/L)
		Determination	50	6
		Level	30	0
		Sample Depth		
Sample ID	Sample Matrix	Interval		
S-1A	Fill	1.0 - 2.0' bgs	0.85 B	0.054 J B
S-1B	Fill	2.0 - 3.0' bgs	0.059 J B	0.080 J B
S-1C	Soil	3.0 - 4.0' bgs	0.0077 JB	0.0084 JB
S-1D	Soil	4.0 - 5.0' bgs	0.019 J B	0.0073 JB
S-1E	Soil	5.0 - 6.0' bgs	0.010 J B	0.0069 J B
S-2A	Fill	1.0 - 2.0' bgs	0.011 J B	0.0068 JB
S-2B	Fill	2.0 - 3.0' bgs	0.0078 JB	0.0072 J B
S-2C	Soil	3.0 - 4.0' bgs	0.0094 JB	0.0067 JB
S-2D	Soil	4.0 - 5.0' bgs	0.0075 JB	0.014 J B
S-2E	Soil	5.0 - 6.0' bgs	0.0068 JB	0.0064 JB
S-3A	Fill	1.0 - 2.0' bgs	0.011 J B	0.018 J B
S-3B	Fill	2.0 - 3.0' bgs	0.0047 JB	0.0074 JB
S-3C	Soil	3.0 - 4.0' bgs	0.0062 JB	0.0066 JB
S-3D	Soil	4.0 - 5.0' bgs	0.0083 JB	0.0074 JB
S-3E	Soil	5.0 - 6.0' bgs	0.0095 JB	0.0086 JB
S-4A	Fill	1.0 - 2.0' bgs	0.016 J B	0.0077 JB
S-4B	Fill	2.0 - 3.0' bgs	0.25 J B	0.032 J B
S-4C	Soil	3.0 - 4.0' bgs	0.17 J B	0.010 J B
S-4D	Soil	4.0 - 5.0' bgs	0.21 J B	0.013 J B
S-4E	Soil	5.0 - 6.0' bgs	0.27 J B	0.015 J B

Bold indicates Contained-in Determination Level exceedance.

B - Compound was found in the blank and sample.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Table3j: Concrete Sample Results - TCLP Metals Northeast Treaters of New York, LLC 796 Schoharie Turnpike,Town of Athens, New York June 23, 2014

		Parameter	Arsenic (mg/L)		Arsenic (mg/L) Chromium (m	
		Debris Rule /				
		Universal Treatment	5		0.6	
_		Standard				
Sample ID Sample Matrix		Sample Depth				
Sample ID	Sample Matrix	Interval				
C-1A	Concrete	0 - 3" bgs	0.0062	J B	5.7	В
C-1B	Concrete	3 - 6" bgs	0.015	J B	5.3	В
C-1C	Concrete	6 - 9" bgs	0.034	J B	0.83	В
C-2A	Concrete	0 - 3" bgs	0.0054	J B	0.14	J B
C-2B	Concrete	3 - 6" bgs	0.0069	J B	0.058	J B
C-2C	Concrete	6 - 9" bgs	0.0073	J	0.077	J B
C-3A	Concrete	0 - 3" bgs	0.0058	JВ	4.3	В
C-3B	Concrete	3 - 6" bgs	0.0060	J B	0.25	J B
C-3C	Concrete	6 - 9" bgs	0.013	J B	0.88	В
C-4A	Concrete	0 - 3" bgs	0.0063	J B	6.9	В
C-4B	Concrete	3 - 6" bgs	0.013	J B	0.073	J B
C-4C	Concrete	6 - 9" bgs	0.037	J B	0.12	J B

Bold indicates Debris Rule exceedance.

B - Compound was found in the blank and sample.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

Table 3k Summary of Chromium and Arsenic Detections at Settling Basin and Downgradient Swale Northeast Treaters of New York, LLC 796 Schoharie Turnpike, Town of Athens, New York August 17, 2015 & December 7, 2015

	Analyte	Arsenic, To	tal	Chromium, T	otal	Chromium,	Hexavalent
	Soil Cleanup						
	Objectives	13		30		1	
	(Unrestricted)						
	Units	mg/kg		mg/kg		mg/kg	
LOCATION	SAMPLING DATE		Qual		Qual		Qual
SB-1	8/17/2015	82		89		-	
SB-2	8/17/2015	210		320		-	
SB-3	8/17/2015	56		81		-	
SB-4	8/17/2015	34		41		-	
SB-5	8/17/2015	44		88		-	
DS-1	8/17/2015	70		92		-	
DS-2	8/17/2015	26		39		-	
WSW-1	12/7/2015	14		120		1.1	U
ESW-1	12/7/2015	12		23		0.57	J
B-1	12/7/2015	13		22		1.2	U
WSW-2	12/7/2015	28		46		1.4	U
ESW-2	12/7/2015	16		21		1.1	U
B-2	12/7/2015	12		17		1.2	U
WSW-3	12/7/2015	12		18		0.42	J
ESW-3	12/7/2015	12		20		1.4	U
B-3	12/7/2015	11		17		1.2	U
WSW-4	12/7/2015	26		30		1.4	U
ESW-4	12/7/2015	19		23		1.4	U
B-4	12/7/2015	19		26		1.3	U
MP-1	12/7/2015	20		28		2.6	U

Notes:

Values highlighted in yellow indicate exceedance of Unrestricted Use Soil Cleanup Objectives.

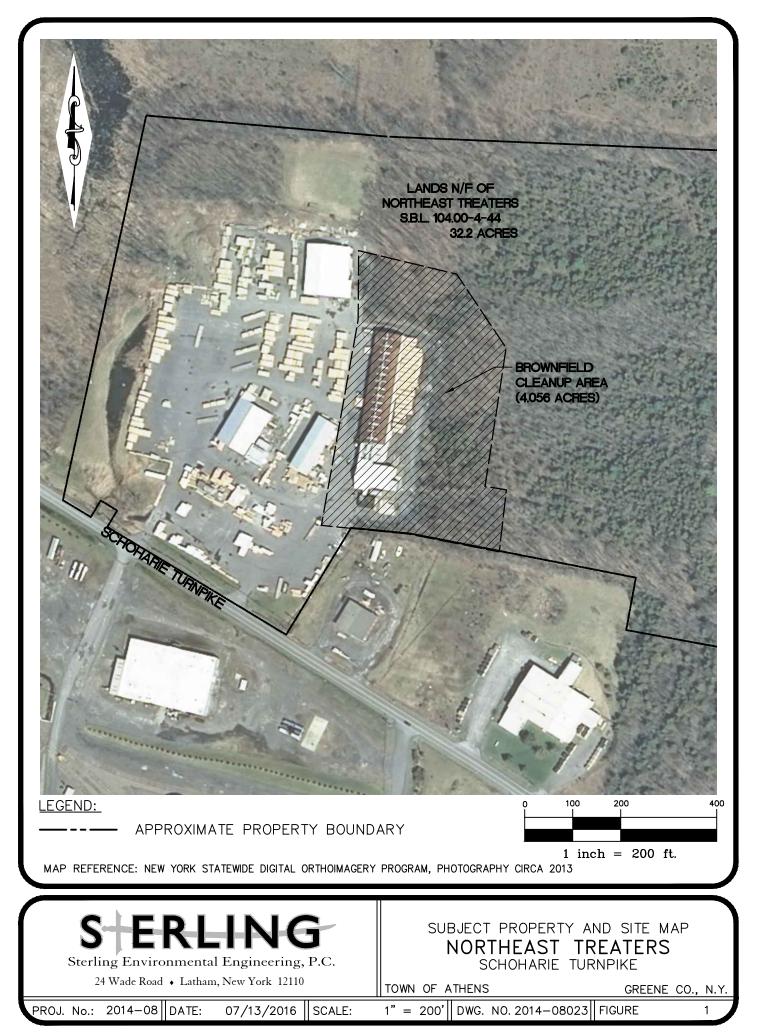
Values highlighted in gray indicate that the laboratory's method detection limit exceeds the Unrestricted Use Soil Cleanup Objectives.

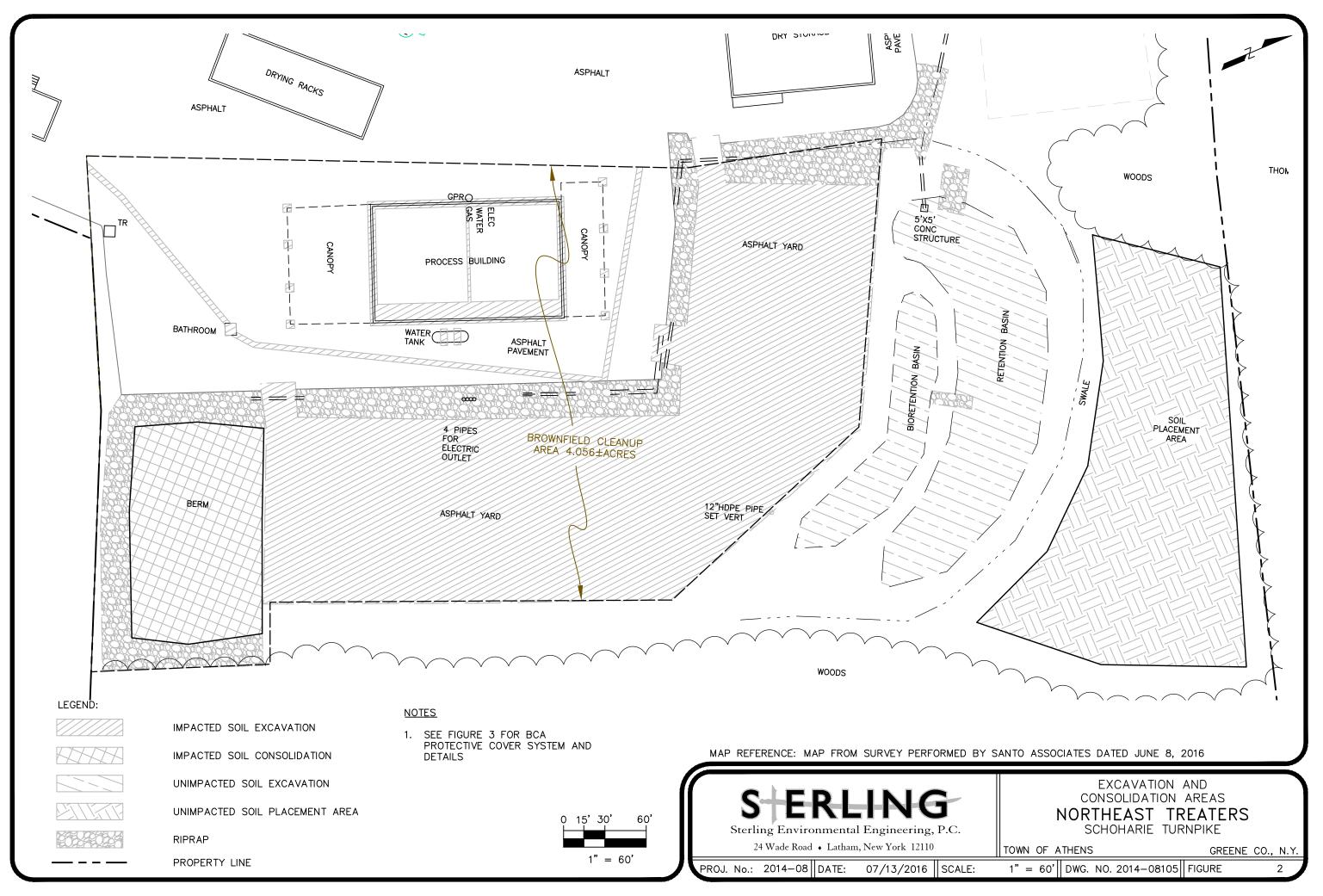
Lab Qualifiers:

 $\mathbf{U}=\mathbf{N}\mathbf{o}\mathbf{t}$ detected above the laboratory method detection limit shown.

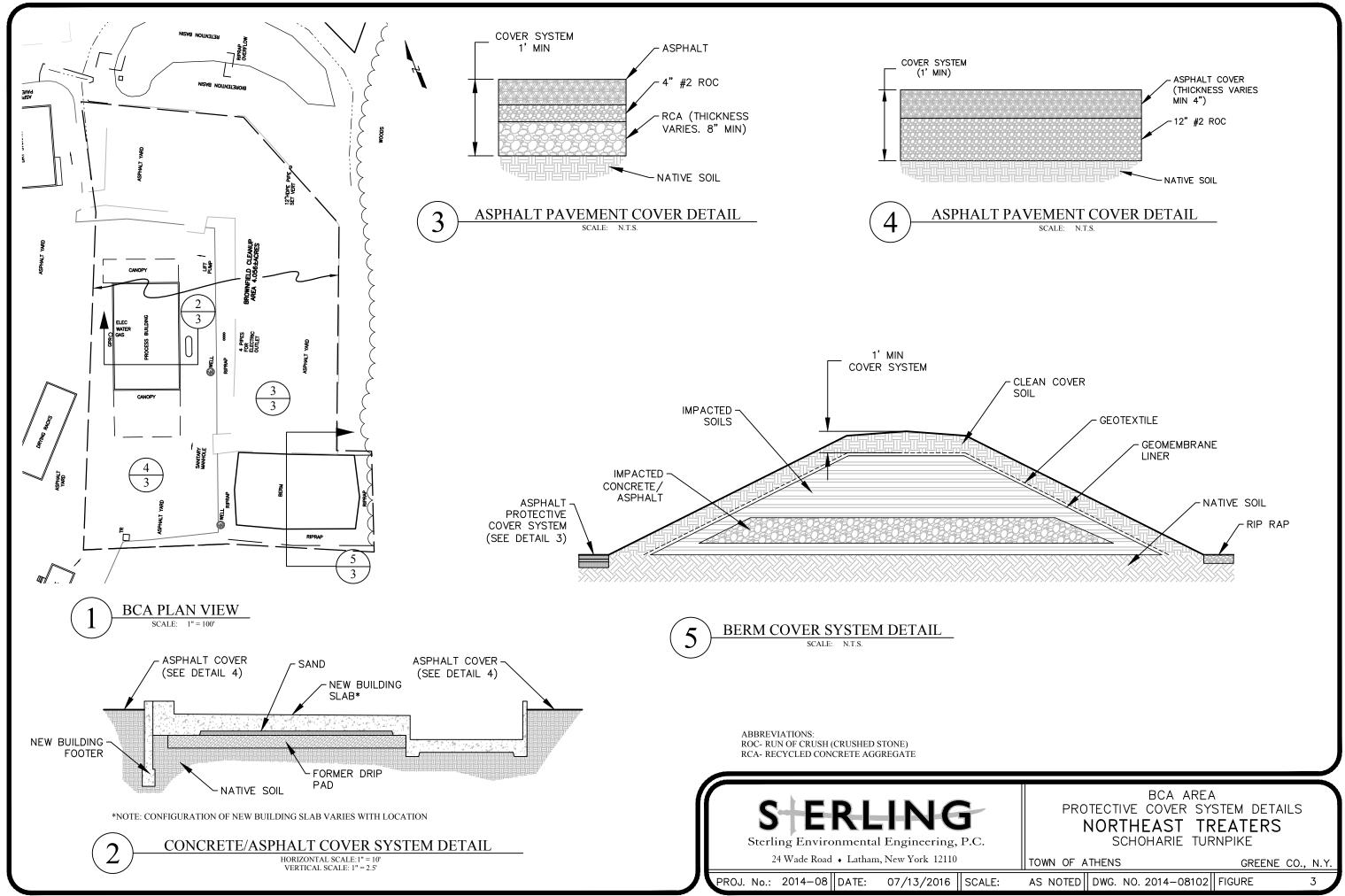
 $J=\mbox{Result}$ is less than the laboratory reporting limit but greater than or equal to the method detection limit, and the concentration is an approximate value.

FIGURES



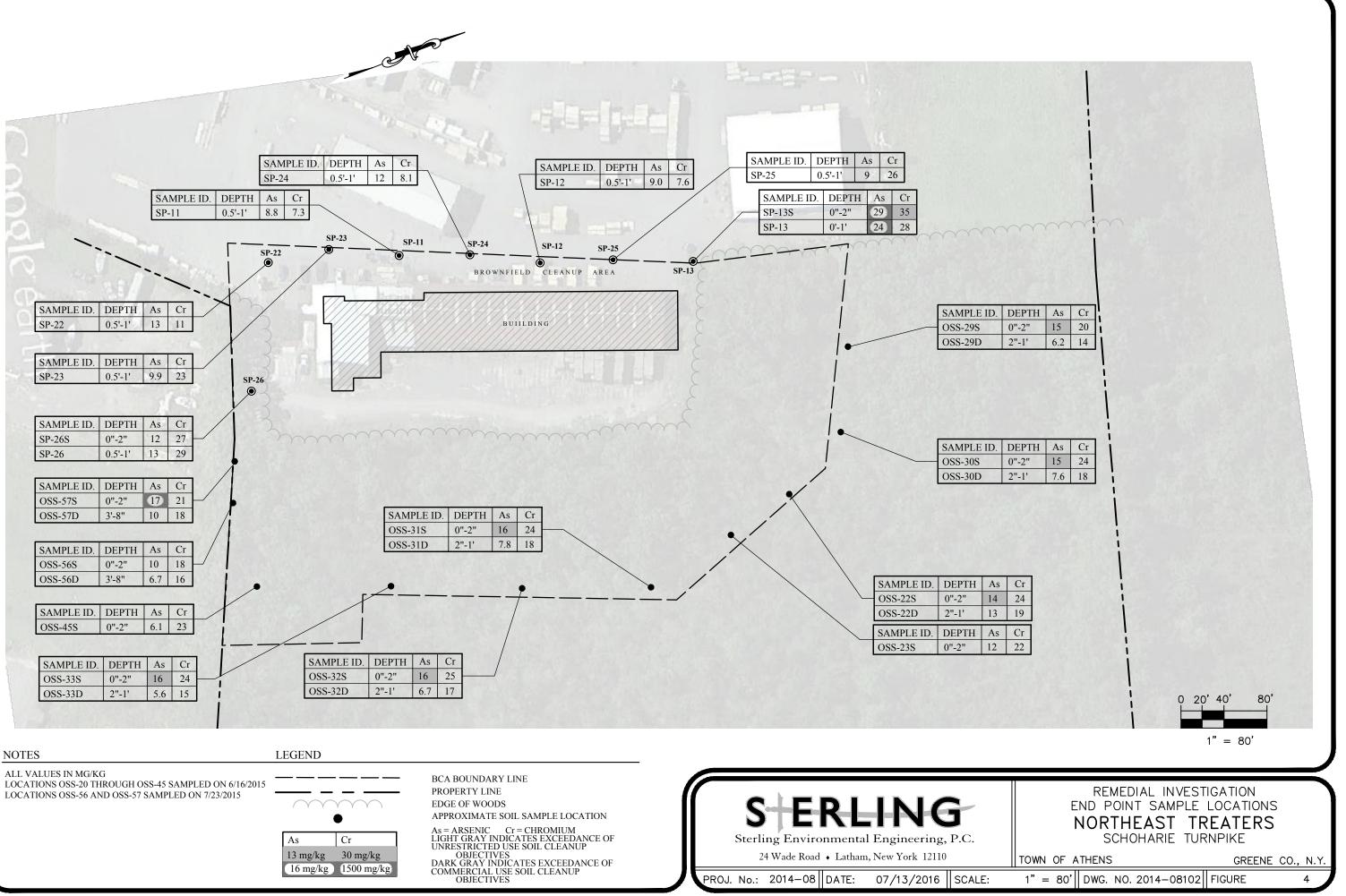


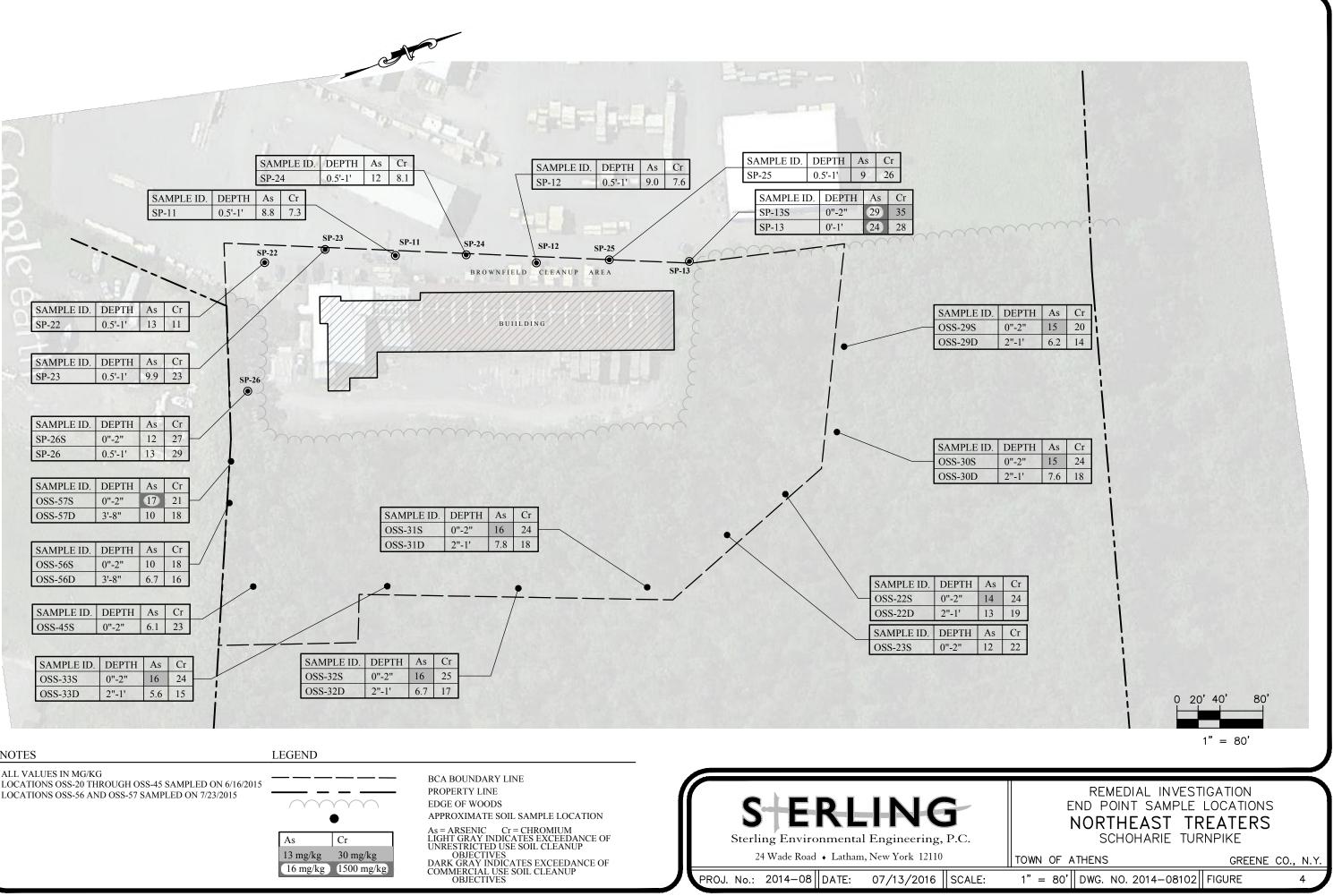
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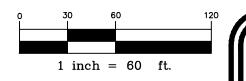
AM







O SUMP-01	SUMP SAMPLE LOCATION (NOVEMBER 17-20, 2014)
O DP-01	DRIP PAD SAMPLE LOCATION (NOVEMBER 17-20, 2014)
⊖ S,C-01	DRIP PAD SAMPLE LOCATION (JUNE 23, 2014)
	PROPERTY BOUNDARY





ARSENIC CHROMIUM - SHADED VALUES INDICATE EXCEEDANCE OF RESPECTIVE SOIL CLEANUP OBJECTIVES: - UNRESTRICTED USE 13 mg/kg 30 mg/kg - COMMERCIAL USE 1500 mg/kg

	- nation	
EPTH)	ARSENIC	CHROMIUM
')	1360	1260
")	6.3	31.6
")	7.9	24.5
SED IN mg/kg		
		A Charles and the
EPTH)	ARSENIC	CHROMIUM
1'-3')	641.0	616.0
3'-4')	14.5	35.9

12.6 30.0 5.3 21.0 7.9 25.4

	Statistic Lordina Art.	A Charles and and
EPTH)	ARSENIC	CHROMIUM
')	91.8	37.8
')	6.8	29.7
')	5.2	29.2
1')	5.9	27.6
5')	11.0	30.1
SED IN mg/kg		
	And in case of the local division of the	

121		The second second
EPTH)	ARSENIC	CHROMIUM
1'-3')	401	98.6
(3'-4')	8.7	31.8
6')	8.6	28.3
11')	13.3	25.2
15')	20.5	30.1
SED IN mg/kg	;	

2 A BA		the party and the second
EPTH)	ARSENIC	CHROMIUM
(1'-3')	333.0	166.0
(3'-4')	74.3	169
6')	34.7	50.2
11')	6.4	26.0
15')	9.3	22.2
SED IN mg/kg		

SUMMARY OF CHROMIUM AND ARSENIC DETECTIONS AT DRIP PAD SAMPLE LOCATIONS NORTHEAST TREATERS SCHOHARIE TURNPIKE TOWN OF ATHENS GREENE CO., N.Y.

1'' = 60' || DWG. NO. 2014 - 08028 || FIGURE

5



13 mg/kg 30 mg/kg

16 mg/kg 1500 mg/kg

PROPERTY BOUNDARY

A

11:33

ARSENIC CHROMIUM - SHADED VALUES INDICATE EXCEEDANCE OF RESPECTIVE SOIL CLEANUP OBJECTIVES: - UNRESTRICTED USE - COMMERCIAL USE

1 inch = 60 ft.

Sterling Environmental Engineering, P.C 24 Wade Road + Latham, New York 12110

S ERLING

PROJ. No.: 2014–08||DATE: 07/13/2016 || SCALE:

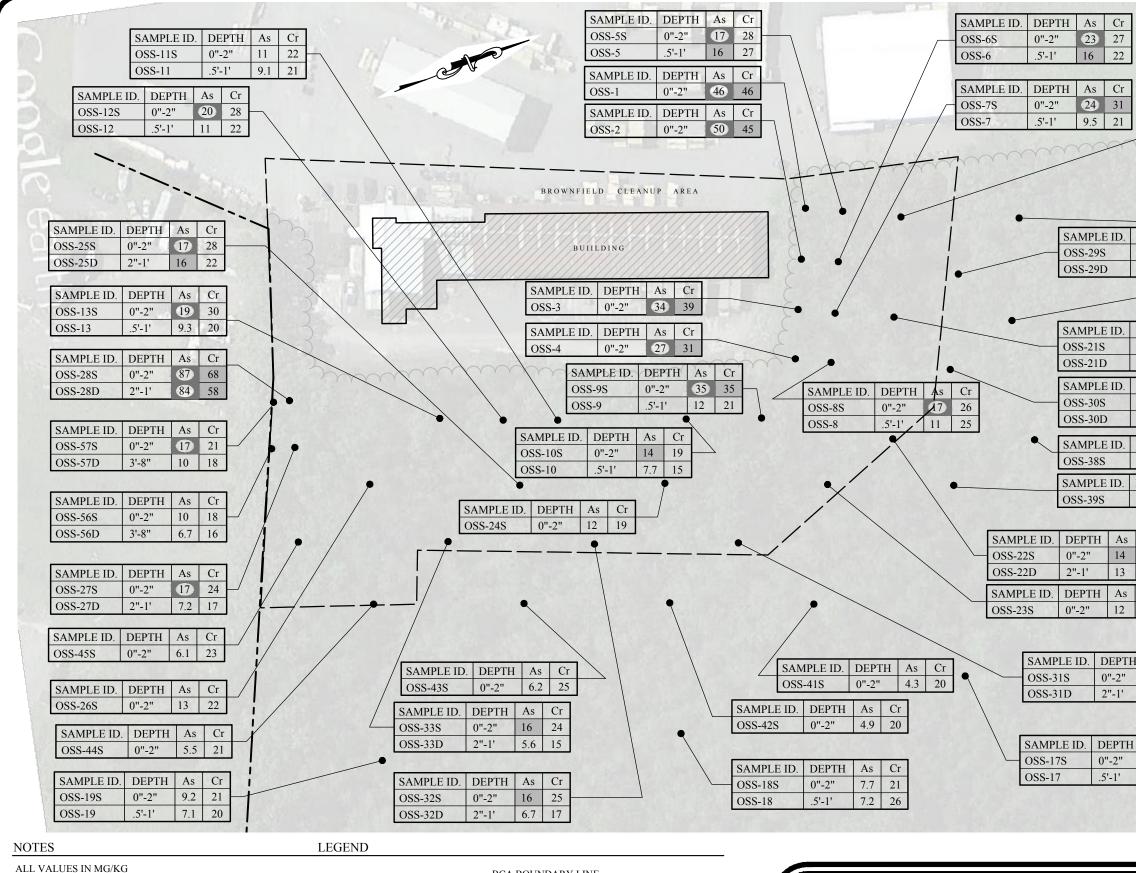
		and a state
PTH)	ARSENIC	CHROMIUM
)	27.7	12.9
))	7.4	22.4
ý)	16.5	14.5
D IN mg/kg		
Call State		The state of the second
PTH)	ADSENIC	CUDOMUM
PTH)	ARSENIC 127.0	CHROMIUM 67.9
/ !')	76.4	62.4
)	8.4	23.8
D IN mg/kg		
3 Maria	ALL MORE	A PATTO AND
	Sal in the second	A REAL PROPERTY
PTH)	ARSENIC	CHROMIUM
)	103.0	64.7
)	5.1 83.8	28.6 54.3
) D IN mg/kg		54.5
	States and a	
ALL AN		A shares
PTH)	ARSENIC	CHROMIUM
)	43.6	36.6
') ')	35.3	28.5
') D IN mg/kg	9.0	22.4
mg/kg	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ALL COMPANY PROPERTY
2000		Talland and
PTH)	ARSENIC	CHROMIUM
)	66.3	33.6
/) ')	7.8	26.3
3')	40.4	37.1
D IN mg/kg		
2.3785	ALL ALL	A THE A STATE
THE	ADODUCO	CUPOL
PTH)	ARSENIC	CHROMIUM
') ')	47.9	27.3
<u>')</u>	78.8	57.3 26.2
5') D IN mg/kg	9.7	20.2
	-	
	in a set	State State
PTH)	ARSENIC	CHROMIUM
)	206.0	91.7
)	35.7	47.3
)	23.8	18.2
D IN mg/kg		
No. of Street, or	S STORES	13 St. 275
DTU	ADSENIC	CHROMIUM
PTH)	ARSENIC 46.4	38.6
2')	46.4	40.5
~)	8.2	27.0
D IN mg/kg		27.0
0.00	SPECIAL SPECIAL	CONSTRUCTION OF
at the last	Constanting of	
P.Sent .	ROMA TANK	370 500
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ALC: NAME	and the second second	State - A State - Add
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		SUMMARY CTIONS AT D

2.	DETECTIONS AT DRIP PAD PERIMETER SAMPLE LOCATIONS NORTHEAST TREATERS SCHOHARIE TURNPIKE						
	TOWN OF A	THENS		GREENE	E CO., N.Y.		
ALE:	1" = 60'	DWG. NO. 2014	-08029	FIGURE	6		

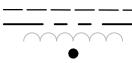


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1000			Strange	1381
			Line la	
ARSENI	C CHROMIUM			記法
16	27	1 a star mark	and the first	
19 kg	22		17. S. S.	
				The second
ARSENIC 20	CHROMIUM 22			
13	17			2
a stand		SAMPLE I.D. (DEPTH)	ARSENIC	CHROMIUM
AST Y	El papares	SP08 (05') ALL RESULTS EXPRESSED IN mg/kg	9.7	32.5
ARSENIC		ALL AND ALL	E Martin	1
14 8.3	26	A A A A A A A A A A A A A A A A A A A	and the second	- Car
3		SAMPLE I.D. (DEPTH)	ARSENIC	CHROMIUM
30403		SP18 (0'-1')	16	28
ARSENIC	CHROMIUM	SP18S (0"-2") ALL RESULTS EXPRESSED IN mg/kg	19	20
19.1	17.4	the state of the work	and a	1730
3.8	32.7		-	F. S
	2. Martine	SAMPLE I.D. (DEPTH) SP09 (0'-1')	ARSENIC 8.3	CHROMIUM 21.8
	A PARTY	ALL RESULTS EXPRESSED IN mg/kg		21.0
ARSENIC		En End		1
27.0 6.7	26.8 23.6		R. A.S.C	and the second second
	STAC SHARES AND		GAN	and the second s
14 S 45	aler and	and the second		-
ARSENIC	CHROMIUM			123
13	23		A Dealer	and the second se
19	25	1992年1月1日		and the second se
		SAMPLE I.D. (DEPTH) SP10 (0'-1')	ARSENIC 6.1	CHROMIUM NON-DETECT
ADSENIC	CURONIUM	ALL RESULTS EXPRESSED IN mg/kg		
ARSENIC 6.8	CHROMIUM 20		A Content	C.S.
20	21	ALC: NO.	-11-2	- Joyne
	en Reals	SAMPLE I.D. (DEPTH) SP04S+ (0'-2')	ARSENIC 10.5	CHROMIUM 16.8
12 3 21		SP04D (4'-5')	8.9	30.0
ARSENIC		ALL RESULTS EXPRESSED IN mg/kg	CC 200 pt	100
15 9.4	9.7		あれが	Sid
	an exception	SAMPLE I.D. (DEPTH)	ARSENIC	CHROMIUM
ALL AL		SP26 (0.5'-1') SP26S (0"-2")	13	29 27
		ALL RESULTS EXPRESSED IN mg/kg		
Stores 1			S.n.	
	Ser. 2	A Sales A	SE SE	1
× 61, -03	State of the state		AND NO	
		ARY OF CHROMIUN		
		AT SITE PERIMETER		
_	N	ORTHEAST TH	YEATE	rs –
Э.		SCHOHARIE TUP	KNPIKE	
	TOWN OF AT	HENS	GRE	ENE CO., N.Y.



LOCATIONS OSS-1 THROUGH OSS-4 SAMPLED ON 4/15/2015 LOCATIONS OSS-5 THROUGH OSS-19 SAMPLED ON 4/20/2015 LOCATIONS OSS-20 THROUGH OSS-45 SAMPLED ON 6/16/2015 LOCATIONS OSS-56 AND OSS-57 SAMPLED ON 7/23/2015



Cr 13 mg/kg 30 mg/kg

16 mg/kg 1500 mg/kg

As

EDGE OF WOODS APPROXIMATE SOIL SAMPLE LOCATION As = ARSENIC Cr = CHROMIUM LIGHT GRAY INDICATES EXCEEDANCE OF UNRESTRICTED USE SOIL CLEANUP OBJECTIVES DARK GRAY INDICATES EXCEEDANCE OF COMMERCIAL USE SOIL CLEANUP OBJECTIVES

BCA BOUNDARY LINE

PROPERTY LINE



-	Cr			1					
23	27								
6	22								
80.6				i					4
	Cr					SAMPLE ID.	DEPTH	As	Cr
.4	31			1	_	OSS-20S	0"-2"	19	25
.5	21	/	/			OSS-20D	2"-1'	15	22
N			\frown		\cap			11 Erst	
_						SAMPLE ID.	DEPTH	As	Cr
				~	_	OSS-15S	0"-2"	11	24
				•		OSS-15	.5'-1'	8.5	23
									_
	_					SAMPLE ID.	DEPTH	As	Cr
PLE I	D. D	EPTH	As	Cr	ļ	OSS-34S	0"-2"	6.7	20
29S	0'	'-2"	15	20	i	1.1		17.15	689
29D	2'	'-1'	6.2	14	1	SAMPLE ID.	DEPTH	As	Cr
				-	T	OSS-35S	0"-2"	5.7	20
	-								

		1.24	
PLE ID.	DEPTH	As	Cr
21S	0"-2"	20	27
21D	2"-1'	22	24
PLE ID.	DEPTH	As	Cr
30S	0"-2"	15	24
30D	2"-1'	7.6	18
		1 Sand	
PLE ID.	DEPTH	As	Cr
38S	0"-2"	5.2	21
PLE ID.	DEPTH	As	Cr
89S	0"-2"	5.2	22
		1.00	

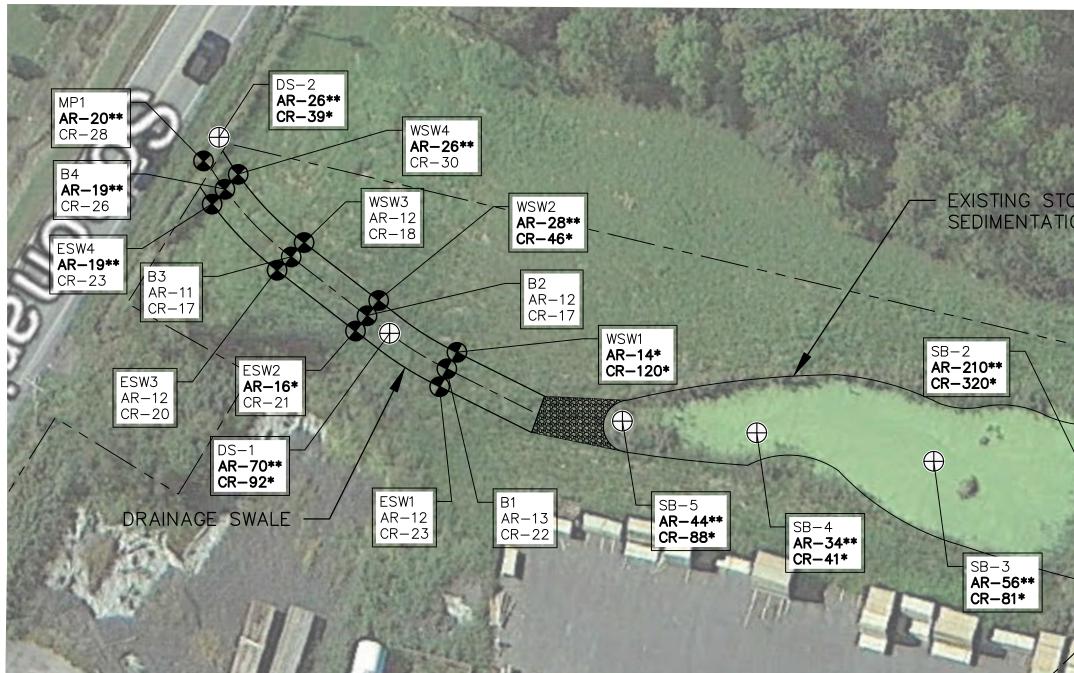
Ή	As	Cr	
	14	24	
	13	19	
Ή	As	Cr	
	12	22	

	SAMPLE ID.	DEPTH	As	Cr
-	OSS-16S	0"-2"	12	26
1	OSS-16	.5'-1'	12	29

DEPTH	As	Cr
0"-2"	16	24
2"-1'	7.8	18

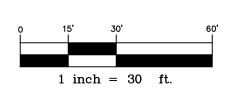
DEPTH	As	Cr
0"-2"	7.4	20
.5'-1'	7.7	24

	SUMMARY OF CHROMIUM AND ARSENIC
	DETECTIONS AT OSS SAMPLE LOCATIONS
	NORTHEAST TREATERS
С.	SCHOHARIE TURNPIKE
	TOWN OF ATHENS GREENE CO., N.Y.
CALE:	1" = 80' DWG. NO. 2014-08043 FIGURE 8



- POST EXCAVATION SAMPLE (SAMPLED 12/7/15)
- ← SEDIMENT BASIN SAMPLE (SAMPLED 8/17/15)
 - * EXCEEDS UNRESTRICTED STANDARDS (AR - 13, CR - 30)
 - ** EXCEEDS COMMERCIAL STANDARDS (AR - 16, CR - 1,500)

AR-ARSENIC VALUE CR-CHROMIUM (TOTALS) VALUE ALL VALUES IN PPM



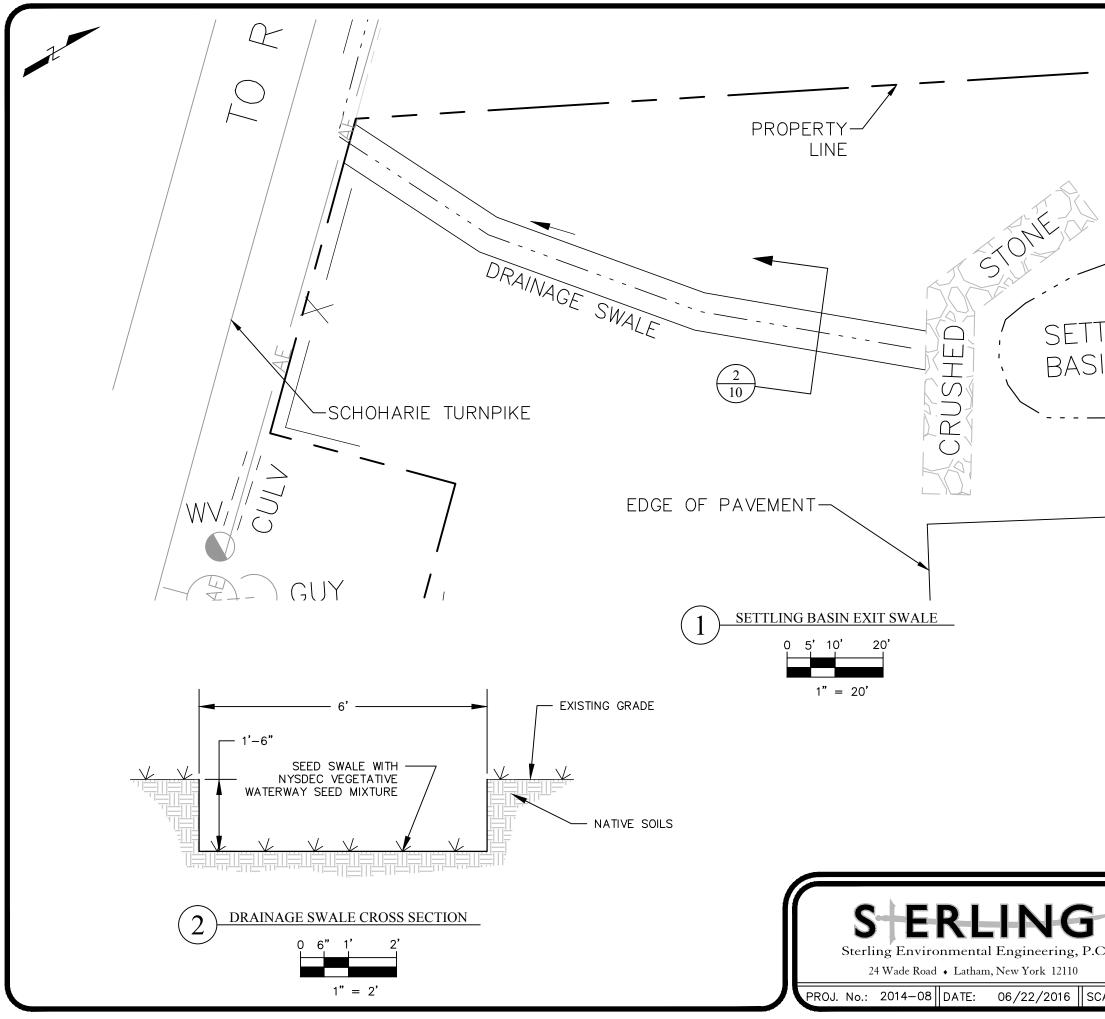
MAP REFERENCE: NEW YORK STATEWIDE DIGITAL



PM

	7
ORMW ION B	
	SB-1 AR-82** CR-89*
L ORTHOI	MAGERY PROGRAM, PHOTOGRAPHY CIRCA 2013
C.	SUMMARY OF CHROMIUM AND ARSENIC DETECTIONS AT SETTLING BASIN AND EXIT SWALE NORTHEAST TREATERS SCHOHARIE TURNPIKE

С.	AT	Y OF CHROMIUM AND SETTLING BASIN AN NORTHEAST TI SCHOHARIE TU	nd exit swale REATERS	
	TOWN OF A	ATHENS	GREENE CO.	., N.Y.
CALE:	1" = 30'	DWG. NO. 2014-08101	FIGURE	9

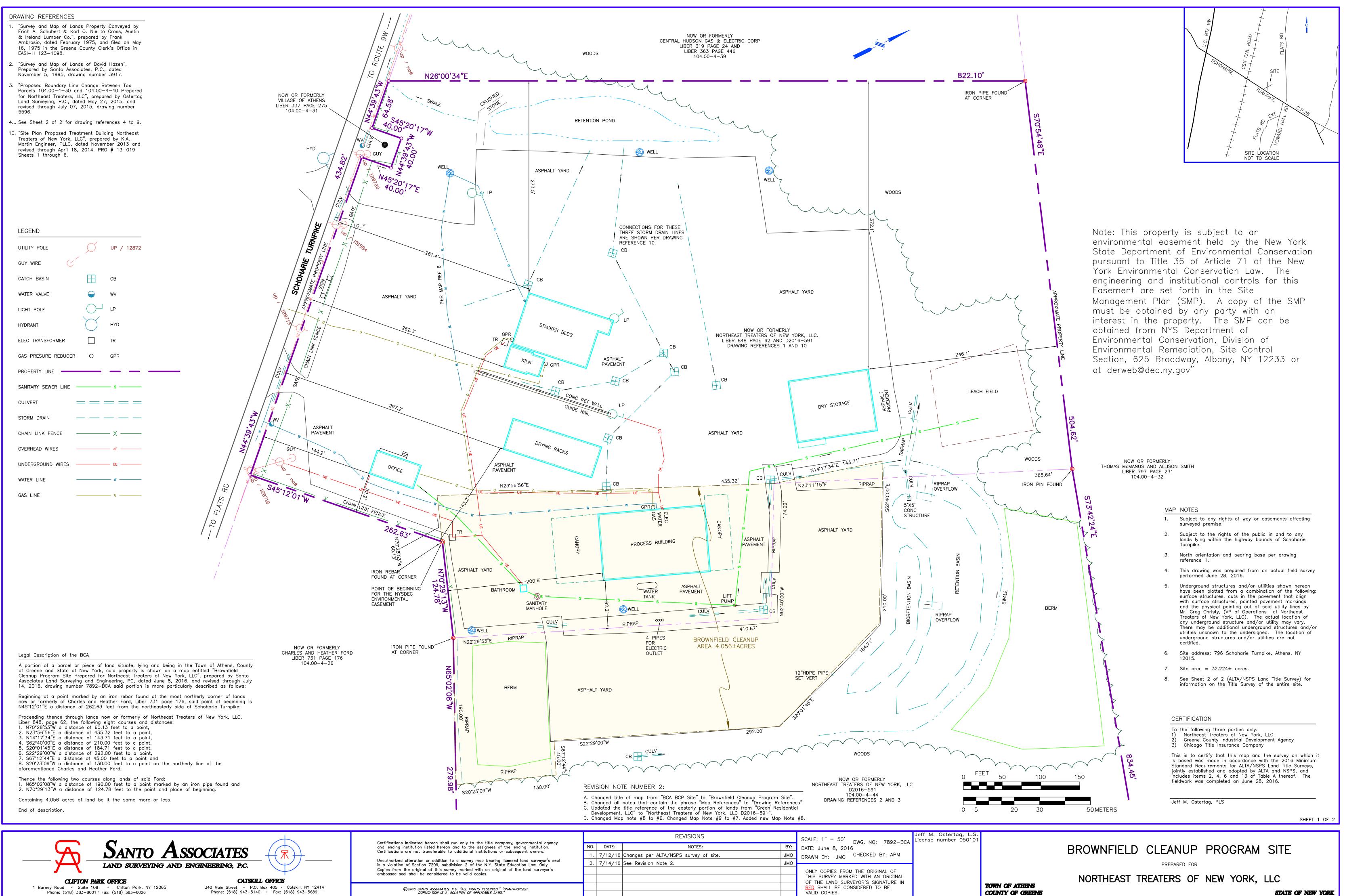


AM

LING	
N	
DRAINAGE EXIT SWALE POST REMEDIATION NORTHEAST TREATERS	
C. SCHOHARIE TURNPIKE TOWN OF ATHENS GREENE CO., NEW YORK	
ALE: AS NOTED DWG. NO. 2014-08046 FIGURE 10	

APPENDIX A

SURVEY MAP, METES AND BOUNDS



A Description of Brownfield Cleanup Area on Lands of Northeast Treaters of New York, LLC

A portion of a parcel or piece of land situate, lying and being in the Town of Athens, County of Greene and State of New York, said property is shown on a map entitled "Brownfield Cleanup Program Site Prepared for Northeast Treaters of New York, LLC", prepared by Santo Associates Land Surveying and Engineering, PC, dated June 8, 2016, and revised through July 14, 2016, drawing number 7892-BCA said portion is more particularly described as follows:

Beginning at a point marked by an iron rebar found at the most northerly corner of lands now or formerly of Charles and Heather Ford, Liber 731 page 176, said point of beginning is N45°12'01"E a distance of 262.63 feet from the northeasterly side of Schoharie Turnpike;

Proceeding thence through lands now or formerly of Northeast Treaters of New York, LLC, Liber 848, page 62, the following eight courses and distances:

- 1. N70°28'53"W a distance of 60.13 feet to a point,
- 2. N23°56'56"E a distance of 435.32 feet to a point,
- 3. N14°17'34"E a distance of 143.71 feet to a point,
- 4. S62°40'00"E a distance of 210.00 feet to a point,
- 5. S20°01'45"E a distance of 184.71 feet to a point,
- 6. S22°29'00"W a distance of 292.00 feet to a point,
- 7. S67°12'44"E a distance of 45.00 feet to a point and
- **8.** S20°23'09"W a distance of 130.00 feet to a point on the northerly line of the aforementioned Charles and Heather Ford;

Thence the following two courses along lands of said Ford:

- 1. N65°02'08"W a distance of 190.00 feet to a point marked by an iron pipe found and
- 2. N70°29'13"W a distance of 124.78 feet to the point and place of beginning.

Containing 4.056 acres of land be it the same more or less.

End of description.

APPENDIX B

DIGITAL COPY OF FER (PROVIDED ON CD) **APPENDIX C**

ENVIRONMENTAL EASEMENT & PROOF OF FILING

Young / Sommer LLC

JEFFREY S. BAKER DAVID C. BRENNAN JOSEPH F. CASTIGLIONE JAMES A. MUSCATO II J. MICHAEL NAUGHTON ROBERT A. PANASCI DEAN S. SOMMER KEVIN M. YOUNG

LAURA K. BOMYEA E. HYDE CLARKE JESSICA ANSERT KLAMI ALLYSON M. PHILLIPS KRISTIN LAVIOLETTE PRATT JESSICA R. VIGARS COUNSELORS AT LAW

EXECUTIVE WOODS, FIVE PALISADES DRIVE, ALBANY, NY 12205 Phone: 518-438-9907 • Fax: 518-438-9914

www.youngsommer.com

SENIOR COUNSEL MICHAEL J. MOORE KENNETH S. RITZENBERG DOUGLAS H. WARD

> OF COUNSEL SUE H.R. ADLER ELIZABETH M. MORSS SCOTT P. OLSON STEPHEN C. PRUDENTE KRISTIN CARTER ROWE

> > PARALEGALS ALLYSSA T. MOODY AMY S. YOUNG

Writer's Telephone Extension: 251 rpanasci@youngsommer.com

September 21, 2016

VIA CERTIFIED MAIL, RETURN RECEIPT REQUESTED

Hon. Marilyn Farrell Office of the Greene County Clerk 411 Main Street Catskill NY, 12414

Robert F. Butler Jr., Town Supervisor Town of Athens 2 First Street Athens, NY 12015

Shaun S. Groden, County Administrator Suite 408 411 Main Street, 4th Floor Catskill, New York 12414

> RE: Environmental Easement – Brownfield Program Site Owner: Northeast Treaters of New York, LLC DEC Site No.: C420029 Location of Site: 796 Schoharie Turnpike, Greene County, Athens, New York Tax Map/Parcel No.: 104.00-4-44

Dear Ms. Farrell, Supervisor Butler and Mr. Groden:

Attached please find a copy of an environmental easement granted to the New York State Department of Environmental Conservation ("Department") on September 12, 2016, by

Northeast Treaters of New York, LLC, for property at 796 Schoharie Turnpike, Greene County, Athens, New York, concerning Tax Map No. 104.00-4-44.

This Environmental Easement restricts future use of the above referenced property to Commercial and Industrial uses as defined in 6 NYCRR 375-1.8(g)(2)(iii) and (iv). Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan which is incorporated into the Environmental Easement. Department approval is also required prior to any groundwater use.)

Article 71, Section 71 3607 of the New York State Environmental Conservation Law requires that:

- 1. Whenever the department is granted an environmental easement, it shall provide each affected local government with a copy of such easement and shall also provide a copy of any documents modifying or terminating such environmental easement.
- 2. Whenever an affected local government receives an application for a building permit or any other application affecting land use or development of land that is subject to an environmental easement and that may relate to or impact such easement, the affected local government shall notify the department and refer such application to the department. The department shall evaluate whether the application is consistent with the environmental easement and shall notify the affected local government of its determination in a timely fashion, considering the time frame for the local government's review of the application. The affected local government shall not approve the application until it receives approval from the department.

An electronic version of every environmental easement that has been accepted by the Department is available to the public at: <u>http://www.dec.ny.gov/chemical/36045.html</u>. Please forward this notice to your building and/or planning departments, as applicable, to ensure your compliance with these provisions of New York State Environmental Conservation Law. If you have any questions or comments regarding this matter, please do not hesitate to contact me.

Very truly yours,

Robert A. Panasci

RAP/atm Encl.

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this <u>1244</u> day of <u>September</u>, 2016, between Owner(s) Northeast Treaters of New York, LLC, having an office at 796 Schoharie Turnpike, Athens, New York 12015, County of Greene, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 796 Schoharie Turnpike in the Town of Athens, County of Greene and State of New York, known and designated on the tax map of the County Clerk of Greene as tax map parcel numbers: Section 104.00 Block 4 Lots 44, being the same as that property conveyed to Grantor by deed dated February 23, 2016 and recorded in the Greene County Clerk's Office in Instrument No. D2016-591, and by correction deed dated August 1, 2016 and recorded in the Greene County Clerk's Office in Instrument No. D2016-1872. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 4.056 +/- acres, and is hereinafter more fully described in the Land Title Survey dated June 8, 2016 and last revised July 15, 2016 prepared by Jeff M. Ostertag, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation

Environmental Easement Page 1

established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C420029-12-14, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. <u>Purposes</u>. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. <u>Institutional and Engineering Controls</u>. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Greene County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining

Environmental Easement Page 2

contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section Division of Environmental Remediation NYSDEC 625 Broadway Albany, New York 12233 Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation

pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her 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

(7) the information presented is accurate and complete.

3. <u>Right to Enter and Inspect</u>. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. <u>Reserved Grantor's Rights</u>. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. <u>Enforcement</u>

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. <u>Notice</u>. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:	Site Number: C420029 Office of General Counsel NYSDEC 625 Broadway Albany New York 12233-5500
With a copy to:	Site Control Section Division of Environmental Remediation NYSDEC 625 Broadway Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and

Environmental Easement Page 5

communicating notices and responses to requests for approval.

7. <u>Recordation</u>. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. <u>Amendment</u>. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. <u>Extinguishment.</u> This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. <u>Joint Obligation</u>. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Northeast Treaters of New York, LLC:

By:

Print Name: DAVID A. REED Title: President

Grantor's Acknowledgment

STATE OF MASSACHUSETTS)) ss:

COUNTY OF Himpshile)

On the $3/2^{2}$ day of <u>August</u>, in the year 20 <u>(6</u>, before me, the undersigned, personally appeared <u>Pavib</u> <u>Recb</u>, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of

STEVEN E. LEONARD Notary Public MMONWEALTH OF MASSACHUSETTS My Commission Expires December 12, 2019

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By:

Robert W. Schick, Director Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)) ss: COUNTY OF ALBANY)

On the 12^{12} day of Kelmer, in the year 20<u>16</u>, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, excluded the instrument.

State of New York ĩc -Pub

David J. Chiusano Notary Public, State of New York No. 01CH5032146 Qualified in Schenectady County Commission Expires August 22, 20.

SCHEDULE "A" PROPERTY DESCRIPTION

A Description of Brownfield Cleanup Area on Lands of Northeast Treaters of New York, LLC

A portion of a parcel or piece of land situate, lying and being in the Town of Athens, County of Greene and State of New York, said property is shown on a map entitled "Brownfield Cleanup Program Site Prepared for Northeast Treaters of New York, LLC", prepared by Santo Associates Land Surveying and Engineering, PC, dated June 8, 2016, and revised through July 15, 2016, drawing number 7892-BCA said portion is more particularly described as follows:

Beginning at a point marked by an iron rebar found at the most northerly corner of lands now or formerly of Charles and Heather Ford, Liber 731 page 176, said point of beginning is N45°12'01"E a distance of 262.63 feet from the northeasterly side of Schoharie Turnpike;

Proceeding thence through lands now or formerly of Northeast Treaters of New York, LLC, Liber 848, page 62, the following eight courses and distances:

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- 4. S62°40'00"E a distance of 210.00 feet to a point,
- 5. S20°01'45"E a distance of 184.71 feet to a point,
- 6. S22°29'00"W a distance of 292.00 feet to a point,
- 7. S67°12'44"E a distance of 45.00 feet to a point and
- 8. S20°23'09"W a distance of 130.00 feet to a point on the northerly line of the aforementioned Charles and Heather Ford;

Thence the following two courses along lands of said Ford:

- 1. N65°02'08"W a distance of 190.00 feet to a point marked by an iron pipe found and
- 2. N70°29'13"W a distance of 124.78 feet to the point and place of beginning.

Containing 4.056 acres of land be it the same more or less.



Marilyn Farrell Greene County Clerk 411 Main Street Catskill, NY 12414 Phone: (518) 719-3255 Fax: (518) 719-3284

Receipt

Receipt Date: 09/20/2016 02:28:57 PM **RECEIPT # 20160020459** Recording Clerk: VEP Cash Drawer: COUNTER2 Rec'd Frm: YOUNG SOMMER Instr#: D2016-2164 DOC: DEED, EASEMENT DEED STAMP: 339 OR Party: NORTHEAST TREATERS OF NEW YORK LLC EE Party: PEOPLE OF THE STATE OF NEW YORK -THE Recording Fees Cover Page \$5.00 Recording Fee \$70.00 Cultural Ed \$14.25 Records Management - County \$1.00 Records Management - State \$4.75 TP584 \$5.00 Transfer Tax Transfer Tax - State \$0.00 DOCUMENT TOTAL: ----> \$100.00

Receipt Summary		
TOTAL RECEIPT:	>	\$100.00
TOTAL RECEIVED:	>	\$100.00
CASH BACK:	>	\$0.00
PAYMENTS		

Check	# 30966 ->	\$100.00
YOUNG	SOMMER	

APPENDIX D

REMEDIATION RELATED PERMITS AND APPROVALS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4 1130 North Westcott Road, Schenectady, NY 12306-2014 P: (518) 357-2045 | F: (518) 357-2398 www.dec.ny.gov

November 20, 2015

Greg Christy, Northeast Treaters Northeast Treaters of New York, LLC 796 Schoharie Turnpike Athens, NY 12015

> Re: Remedial Work Plan Addendum Comments Northeast Treaters, C420029

The NYSDEC and NYSDOH have reviewed your submitted Remedial Work Plan Addendum and have the following comments.

- Section 2.2.2 The statement "Northern stormwater line (contamination) demonstrate that the primary source of arsenic and chromium is from the storage area west of the site and not from the site itself" should be removed, as it does not reflect current understandings based on data presented and previous discussions with Northeast Treaters, NYSDEC and NYSDOH.
- 2. Section 2.4 More specification is needed on the measures in place which prevent exposure to the sediment in the stormwater basin.
- 3. Section 5.3 Concerning the statement "The facility's stormwater basin effectively removes sediment from stormwater. Human exposure to basin sediment is remote because the basin contains static water year round." The first portion of this statement should be removed as the contaminated sediment downstream demonstrates that the basin does not effectively remove sediment. The second sentence should have the word "static" removed.
- Section 6.1.2 A surface sample (0-2") adjacent to the most down gradient edge of excavation is required.
- Section 6.1.2 –Concerning post-excavation confirmation sampling; the sampling results should be compared to unrestricted and site-specific soil clean-up objectives. Additionally, hexavalent and trivalent chromium should be included in confirmation sampling analysis.



The Remedial Work Plan Addendum is approved contingent on these changes. Please incorporate these changes and resubmit the Addendum. Please feel free to contact me if you have any questions.

Sincerely,

Walter F. Wintsch L

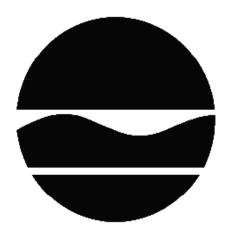
Walter F. Wintsch, Jr. Engineering Geologist 2 NYSDEC, Region 4

ecc Vedran Cirkovic, Sterling Tom Johnson, Sterling Brad Wenskoski, NYSDOH Scarlett McLaughlin, NYSDOH Kevin Young, Young and Sommers Jim Quinn, NYSDEC

WW:jh\letter.2015-11-20.remedial work plan.Northeast Treaters_C420029

DECISION DOCUMENT

Northeast Treaters of New York, LLC Brownfield Cleanup Program Athens, Greene County Site No. C420029 December 2015



Prepared by Division of Environmental Remediation New York State Department of Environmental Conservation

DECLARATION STATEMENT - DECISION DOCUMENT

Northeast Treaters of New York, LLC Brownfield Cleanup Program Athens, Greene County Site No. C420029 December 2015

Statement of Purpose and Basis

This document presents the remedy for the Northeast Treaters of New York, LLC site, a brownfield cleanup site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (the Department) for the Northeast Treaters of New York, LLC site and the public's input to the proposed remedy presented by the Department.

Description of Selected Remedy

The elements of the selected remedy are as follows:

1. Remedial Design

A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows;

•Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;

•Reducing direct and indirect greenhouse gases and other emissions;

•Increasing energy efficiency and minimizing use of non-renewable energy;

•Conserving and efficiently managing resources and materials;

•Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;

•Maximizing habitat value and creating habitat when possible;

•Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals; and

•Integrating the remedy with the end use where possible and encouraging green and sustainable re-development.

2. 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).

3. Excavation

Off-site soil which has been impacted by overflow from the storm water settling basin in excess of residential SCOs, as defined by 6 NYCRR Part 375-6.8, will be excavated. Approximately forty five (45) cubic yards of contaminated soil will be removed and consolidated onsite under the cover system. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the site.

4. Removal of all Sediment from Catch Basins

Sediment will be removed from site-impacted storm water catch basins on and downstream of the site. All sediment removed from the catch basins will be consolidated on-site in areas subject to the final cover system or be disposed of in accordance with Federal and NYS regulations.

5. Institutional Control

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.

6. Site Management Plan

A Site Management Plan is required, which includes the following:

a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and off-site area on the greater Northeast Treaters facility that have been impacted by site-related contamination, details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place.

Institutional Controls: The Environmental Easement described above in Paragraph 5. Engineering Controls: The cover system described above in Paragraph 2.

This plan includes, but may not be limited to:

. an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;

. descriptions of the provisions of the environmental easement including any land use restrictions;

- . provisions for the management and inspection of the identified engineering controls;
- . maintaining site access controls and Department notification; and

. The steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:

. monitoring of the soil/sediment downgradient of the settling basin to assess the performance and effectiveness of the remedy; and

. a schedule of monitoring and frequency of submittals to the Department.

c. A Closure Plan for the existing facility storm water settling basin and any areas downgradient of the basin that may have received contaminated overflow.

Declaration

The remedy conforms with promulgated standards and criteria that are directly applicable, or that are relevant and appropriate and takes into consideration Department guidance, as appropriate. The remedy is protective of public health and the environment.

December 31, 2015

Date

AK / GM

Robert J. Cozzy, Director Remedial Bureau B

DECISION DOCUMENT

Northeast Treaters of New York, LLC Athens, Greene County Site No. C420029 December 2015

SECTION 1: SUMMARY AND PURPOSE

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), has selected a remedy for the above referenced site. The disposal of contaminants at the site has resulted in threats to public health and the environment that would be addressed by the remedy. The disposal or release of contaminants at this site, as more fully described in this document, has contaminated various environmental media. Contaminants include hazardous waste and/or petroleum.

The New York State Brownfield Cleanup Program (BCP) is a voluntary program. The goal of the BCP is to enhance private-sector cleanups of brownfields and to reduce development pressure on "greenfields." A brownfield site is real property, the redevelopment or reuse of which may be complicated by the presence or potential presence of a contaminant.

The Department has issued this document in accordance with the requirements of New York State Environmental Conservation Law and 6 NYCRR Part 375. This document is a summary of the information that can be found in the site-related reports and documents.

SECTION 2: <u>CITIZEN PARTICIPATION</u>

The Department seeks input from the community on all remedies. A public comment period was held, during which the public was encouraged to submit comment on the proposed remedy. All comments on the remedy received during the comment period were considered by the Department in selecting a remedy for the site. Site-related reports and documents were made available for review by the public at the following document repository:

D. R. Evarts Library Attn: Bonnie Snyder 80 Second Street Athens, NY 12015 Phone: (518) 945-1417

Receive Site Citizen Participation Information By Email

Please note that the Department's Division of Environmental Remediation (DER) is "going paperless" relative to citizen participation information. The ultimate goal is to distribute citizen

participation information about contaminated sites electronically by way of county email listservs. Information will be distributed for all sites that are being investigated and cleaned up in a particular county under the State Superfund Program, Environmental Restoration Program, Brownfield Cleanup Program, Voluntary Cleanup Program, and Resource Conservation and Recovery Act Program. We encourage the public to sign up for one or more county listservs at http://www.dec.ny.gov/chemical/61092.html

SECTION 3: SITE DESCRIPTION AND HISTORY

Location: The site is located in a rural area on the north side of the Schoharie Turnpike (Route 28) approximately 0.75 miles east of Route 9W in the Town of Athens. The BCP site, which consists of the former drip pad, surrounding asphalt and a portion of adjacent undeveloped land, is bounded by agricultural lands to the north, undeveloped land to the west, the remainder of the Northeast Treaters facility to the east and County Route 28, Peckam Industries and Amerigas to the south.

Site Features: The original facility consisted of three buildings: a lumber stacking building, the process building and the maintenance building. The process building, recently demolished, contained a drip pad and offices. The Brownfield Cleanup Program (BCP) site is limited to the eastern most portion of the Northeast Treaters facility, specifically the area of the former process building and property to the north and east.

The BCP site consists of approximately 1.68 acres of developed land and 2.22 acres of undeveloped woodland for a total size of 3.9 acres. A storm water collection system transports runoff water from the site to a settling basin located on the western portion of the facility (i.e. off of the BCP site). The basin has an outflow, which is referred to as a swale located to the south and west of the basin.

Current zoning and land use: The site is used as pressure treated wood manufacturing facility and is zoned LI-2, Light Industrial. The surrounding parcels are used for agriculture, light industry or is forested.

Past Use of the Site: The facility was constructed in 1977 and was originally a saw mill. Atlantic Wood Industries, Inc., began operating as a pressure treating wood manufacturing facility in 1979. The facility traditionally engaged in treating architectural and dimensional lumber with a preservative solution of chromated copper arsenate. The facility ceased using chromated copper arsenate preservative in 2003.

Site Geology and Hydrology: The site slopes slightly towards the west. Predominant soils in the vicinity of the site consists of dark brown to dark gray clay and silty clay. The bedrock in the vicinity of the site is shale and is estimated to exist at a depth ranging from 60 to 100 feet. The nearest surface water, a tributary to Murderers Creek, is located approximately 1,000 feet to the north of the site. Murderers Creek, a DEC-regulated waterbody (Class C), is located approximately 1.6 miles to the north of the site and flows east towards Sleepy Hollow Lake.

Perched water is occasionally present in the fill material immediately above the native clay.

During intrusive ground investigations, perched water was encountered at some locations, but not all. Information gained during the site investigation indicates that the perched water does not migrate, but mostly dissipates through evapotranspiration. Groundwater was not encountered in the underlying clay during intrusive ground investigations. Groundwater exists in the bedrock beneath the site and water levels recorded during the installation of facility water wells indicate piezometric levels within the boundaries of the Site are between ten (10) and 19.33 feet below ground surface. The regional groundwater flow direction is anticipated to be west to southwest, based on interpretation of topographic maps.

As discussed above, all surface water runoff is collected by the site-wide storm water collection system and directed to the settling basin to the west of the facility.

A site location map is attached as Figure 1.

SECTION 4: LAND USE AND PHYSICAL SETTING

The Department may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings when evaluating a remedy for soil remediation. For this site, alternatives (or an alternative) that restrict(s) the use of the site to commercial use (which allows for industrial use) as described in Part 375-1.8(g) were/was evaluated in addition to an alternative which would allow for unrestricted use of the site.

A comparison of the results of the Remedial Investigation (RI) to the appropriate standards, criteria and guidance values (SCGs) for the identified land use and the unrestricted use SCGs for the site contaminants is available in the RI Report.

SECTION 5: ENFORCEMENT STATUS

The Applicant under the Brownfield Cleanup Agreement is a Participant. The Applicant has an obligation to address on-site and off-site contamination. Accordingly, no enforcement actions are necessary.

SECTION 6: SITE CONTAMINATION

6.1: <u>Summary of the Remedial Investigation</u>

A remedial investigation (RI) serves as the mechanism for collecting data to:

- characterize site conditions;
- determine the nature of the contamination; and
- assess risk to human health and the environment.

The RI is intended to identify the nature (or type) of contamination which may be present at a site and the extent of that contamination in the environment on the site, or leaving the site. The RI reports on data gathered to determine if the soil, groundwater, soil vapor, indoor air, surface water or sediments may have been contaminated. Monitoring wells are installed to assess

groundwater and soil borings or test pits are installed to sample soil and/or waste(s) identified. If other natural resources are present, such as surface water bodies or wetlands, the water and sediment may be sampled as well. Based on the presence of contaminants in soil and groundwater, soil vapor will also be sampled for the presence of contamination. Data collected in the RI influence the development of remedial alternatives. The RI report is available for review in the site document repository and the results are summarized in section 6.3.

The analytical data collected on this site includes data for:

- groundwater
- soil
- sediment

6.1.1: Standards, Criteria, and Guidance (SCGs)

The remedy must conform to promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, Criteria and Guidance are hereafter called SCGs.

To determine whether the contaminants identified in various media are present at levels of concern, the data from the RI were compared to media-specific SCGs. The Department has developed SCGs for groundwater, surface water, sediments, and soil. The NYSDOH has developed SCGs for drinking water and soil vapor intrusion. For a full listing of all SCGs see: <u>http://www.dec.ny.gov/regulations/61794.html</u>

6.1.2: <u>RI Results</u>

The data have identified contaminants of concern. A "contaminant of concern" is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action are summarized below. Additionally, the RI Report contains a full discussion of the data. The contaminant(s) of concern identified at this site is/are:

arsenic

chromium

The contaminant(s) of concern exceed the applicable SCGs for:

- soil - sediment

6.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before issuance of the Decision Document.

There were no IRMs performed at this site during the RI.

6.3: <u>Summary of Environmental Assessment</u>

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts may include existing and potential future exposure pathways to fish and wildlife receptors, wetlands, groundwater resources, and surface water. The RI report presents a detailed discussion of any existing and potential impacts from the site to fish and wildlife receptors.

Soils were initially analyzed for volatile organic compounds (VOCs) semi-volatile organic compounds (SVOCs), metals, poly-chlorinated biphenyls (PCBs) and pesticides. From the sample results, only metals exceeded the Commercial Soil Cleanup Objectives and the contaminants of concern were determined to be arsenic and chromium. Initial samples collected during the RI were analyzed for hexavalent chromium and total chromium. Analysis showed that detections of hexavalent chromium were consistently a small percentage of the total chromium. Therefore, with regard to chromium samples only, the remainder of soil analysis were for total chromium, and result were compared to trivalent chromium SCOs to evaluate the magnitude and extent of chromium contamination at the Site.

Soil-Arsenic and chromium are found beneath the facility's historic drip pad, on the soil along the perimeter of the drip pad, and in the soil of the woodland property to the north and east. Contamination was also detected within catch basins both on the BCP site and off-site in portions of the storm water collection system hydraulically downgradient of the BCP site. Arsenic contamination exceeds the unrestricted (13ppm) soil cleanup objective (SCO) beneath the drip pad (maximum 1360 ppm), along the perimeter of the drip pad (maximum 206 ppm). Several sample locations immediately east of the site showed arsenic concentrations above unrestricted SCOs but below residential SCOs. Chromium also exceeds unrestricted (30 ppm) SCO beneath the drip pad(maximum 1260 ppm), and along the perimeter of the drip pad (maximum 96.7 ppm).

Additionally, soil samples were taken in the settling basin's outflow. The maximum sample result in the basin's outflow was 70 ppm (closest to the basin) with levels decreasing with distance from the basin.

Sediment-Sediment samples were taken off-site in the settling basin and analyzed for arsenic and chromium. The samples exceeded the unrestricted SCO for arsenic (maximum 210 ppm) and chromium maximum 320 ppm).

Groundwater-Four monitoring wells (MW-1 thru MW-4) were installed during the Remedial Investigation. The Remedial Investigation found perched water that was irregularly found and very limited in quantity. Only MW-1 developed enough water to be sampled, which was sampled for chromium and arsenic. Sample analysis determined that the perched water was not impacted by site contaminants. Additionally, the bedrock groundwater, while not hydraulically connected to the drip pad, was found not to have been impacted by site operations.

6.4: <u>Summary of Human Exposure Pathways</u>

This human exposure assessment identifies ways in which people may be exposed to site-related contaminants. Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure*.

Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with pavement. Persons who enter the site and affected off-site areas could contact contaminants in the catch basins by accessing unimproved entry points, and the facility storm water settling basin and downgradient areas by walking on, digging or otherwise disturbing the soil and sediment in these areas.

6.5: <u>Summary of the Remediation Objectives</u>

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

The remedial action objectives for this site are:

<u>Soil</u>

RAOs for Public Health Protection

Prevent ingestion/direct contact with contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- 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.

SECTION 7: <u>ELEMENTS OF THE SELECTED REMEDY</u>

The alternatives developed for the site and the evaluation of the remedial criteria are presented in the Alternative Analysis. The remedy is selected pursuant to the remedy selection criteria set forth in DER-10, Technical Guidance for Site Investigation and Remediation and 6 NYCRR Part 375.

The selected remedy is a Track 4: Restricted use with site-specific soil cleanup objectives remedy.

The selected remedy is referred to as the Protective Cover, Excavation of Catch Basins/Swale, ICs and SMP remedy.

The elements of the selected remedy, as shown in Figure 2, are as follows:

1. Remedial Design

A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows;

•Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;

•Reducing direct and indirect greenhouse gases and other emissions;

•Increasing energy efficiency and minimizing use of non-renewable energy;

•Conserving and efficiently managing resources and materials;

•Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;

•Maximizing habitat value and creating habitat when possible;

•Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals; and

•Integrating the remedy with the end use where possible and encouraging green and sustainable re-development.

2. 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).

3. Excavation

Off-site soil which has been impacted by overflow from the storm water settling basin in excess of residential SCOs, as defined by 6 NYCRR Part 375-6.8, will be excavated. Approximately forty five (45) cubic yards of contaminated soil will be removed and consolidated onsite under the cover system. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the site.

4. Removal of all Sediment from Catch Basins

Sediment will be removed from site-impacted storm water catch basins on and downstream of the site. All sediment removed from the catch basins will be consolidated on-site in areas subject to the final cover system or be disposed of in accordance with Federal and NYS regulations.

5. Institutional Control

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.

6. Site Management Plan

A Site Management Plan is required, which includes the following:

a. An Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and off-site area on the greater Northeast Treaters facility that have been impacted by site-related contamination, details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place.

Institutional Controls: The Environmental Easement described above in Paragraph 5. Engineering Controls: The cover system described above in Paragraph 2.

This plan includes, but may not be limited to:

. an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;

. descriptions of the provisions of the environmental easement including any land use restrictions;

. provisions for the management and inspection of the identified engineering controls;

. maintaining site access controls and Department notification; and

. The steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

b. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:

. monitoring of the soil/sediment downgradient of the settling basin to assess the performance and effectiveness of the remedy; and

. a schedule of monitoring and frequency of submittals to the Department.

c. A Closure Plan for the existing facility storm water settling basin and any areas downgradient of the basin that may have received contaminated overflow.

Town of Athens 2 First Street Athens, NY 12015

Building Demolition and Removal Permit

Tax Map #: 104.00-4-9

Permit #: 015-01

This notice, which must be prominently displayed on the property to which it pertains, indicates that a Building Demolition and Removal Permit has been issued to :

North East Treaters 796 Schoharie Tpk. Athens N.Y. 120165

For Building Demolition and Removal at : 796 Schoharie Tpk., Town of Athens

Demolition – Old office & treatment building All work shall be executed in strict compliance with the permit application, approved plans, the Uniform Fire Prevention and Building Codes, including all other laws, rules and regulations, which apply.

Permission is hereby granted to proceed with the demolition and removal as set forth in the specifications, plans. Specifications must be submitted for approval.

NOTE : this permit is good for sixty (60) days from the date of issue.

Date: 06/29/15

eonge Holsoff

Code Enforcement Officer

TOWN OF ATHENS 2 First Street Athens, NY 12015 (518) 945-2430

BUILDING PERMIT

Tax ID # 104.00-4-30

Building Permit 15-24

This notice, which must be prominently displayed on the property or premises to which it pertains, indicates that a Building Permit has been issued to:

Name: BCI

Address: 20 Loudonville Road Albany, N.Y. 12205

Erect: New treatment building 230'x 88' 20,240 sq ft AT: 796 Schoharie Tpk., Town of Athens

All work shall be executed in strict compliance with the permit application, approved plans, the Uniform Fire Prevention and Building Codes, including all other laws, rules and regulations which apply. This Building Permit **DOES NOT** constitute authority to build in violation of any Federal, State, or Local Law or any other regulation.

<u>DO NOT</u> proceed beyond the points of the inspection report, until countersigned by the Code Enforcement Officer:

> Inspection report is attached to this permit.

Permission is hereby granted to proceed with the construction as set forth in the specifications, plans, or statements now on file in this department. Any amendments made to the original plans or specifications must first be submitted for approval.

<u>NOTE</u>: This permit is good for one (1) year from the date issued, or until a Certificate of Occupancy or Compliance is issued.

Building Permits shall be come invalid unless the authorized work is commenced with in six (6) months following the date of issuance.

George Holsopple

Code Enforcement Officer

Date: 7/30/15

Town of Athens Code Enforcement Office Construction Inspection 518-945-2430

Owner's Name: BCI Construction Inc.

B/P 15-24

Location: 796 Schoharie Tkp.

Directions to Job Site: Phone # Date Received: 7/30/15 Type of Inspection (Note Date and Initials)

Rebar in place before pouring concrete

(X)
(X)
(X) ·
(X)
Not Approved

Certificate of Occupancy (X)

Certificate of Compliance ()

C of O WILL NOT BE ISSUED WITH OUT A 911 ADDRESS

Inspector's Signature:

As owner/contractor, I have been informed and given a copy of the inspections required during construction. I will inform the Building Inspector of the required inspections during this construction.

Owner/Contractor: BCI 20 Loudonville Rd. Albany, N.Y. 12204

Phone # 518-426-3200

Cell

APPENDIX E

POST-EXCAVATION DRAINAGE SWALE SAMPLE RESULTS LETTER



December 21, 2015

Mr. James A. Quinn, P.E. New York State Department of Environmental Conservation Region 4 1130 North Westcott Road Schenectady, New York 12306

Subject: Post-Excavation Drainage Swale Sample Results Northeast Treaters of New York, LLC STERLING File #2014-08

Dear Mr. Quinn,

In accordance with the Remedial Work Plan Addendum (RWP Addendum) prepared for the subject site, Sterling Environmental Engineering, P.C. (STERLING) conducted post-excavation sampling following the excavation of the existing stormwater drainage swale located near the western property line of the Northeast Treaters of New York, LLC (Northeast Treaters) facility located at 796 Schoharie Turnpike in the Town of Athens, New York. Excavation activities and post-excavation sampling were conducted on December 7, 2015.

Comments were received from the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) prior to excavation activities and post excavation sampling. The NYSDEC was present onsite during the excavation of the drainage swale.

Post-excavation samples were collected by STERLING and consisted of four (4) soil samples at approximately equidistant intervals along the centerline of the excavation (B-1 through B-4), and two (2) corresponding sidewall samples on either side of each centerline sample at a depth of six (6) to twelve inches (WSW-1 through WSW-4 and ESW-1 through ESW-4). One (1) surface sample (MP-1) was collected adjacent to the most downgradient edge of excavation at a depth of 0-2" below grade as requested by NYSDEC and NYSDOH. Soil samples were analyzed for total arsenic and total chromium via USEPA Method 6010C and hexavalent chromium via USEPA Method 7196A. Sample results are presented in Figure 1 (Attachment 1). The analytical laboratory report is provided as Attachment 2.

Hexavalent chromium was not detected above the unrestricted use soil cleanup objective (SCO) or the laboratory's reporting limit. Detections of total chromium are one (1) to two (2) orders of magnitude greater in concentration when compared to the concentration of hexavalent chromium, if detected. Therefore, detected concentrations of total chromium are considered representative of trivalent chromium concentrations, and are compared to trivalent chromium SCOs in the attached Figure 1.

"Serving our clients and the environment since 1993"

Northeast Treaters will proceed with the construction of the engineered drainage swale as described in the RWP Addendum. Please contact me should you have any questions.

Very truly yours,

STERLING ENVIRONMENTAL ENGINEERING, P.C.

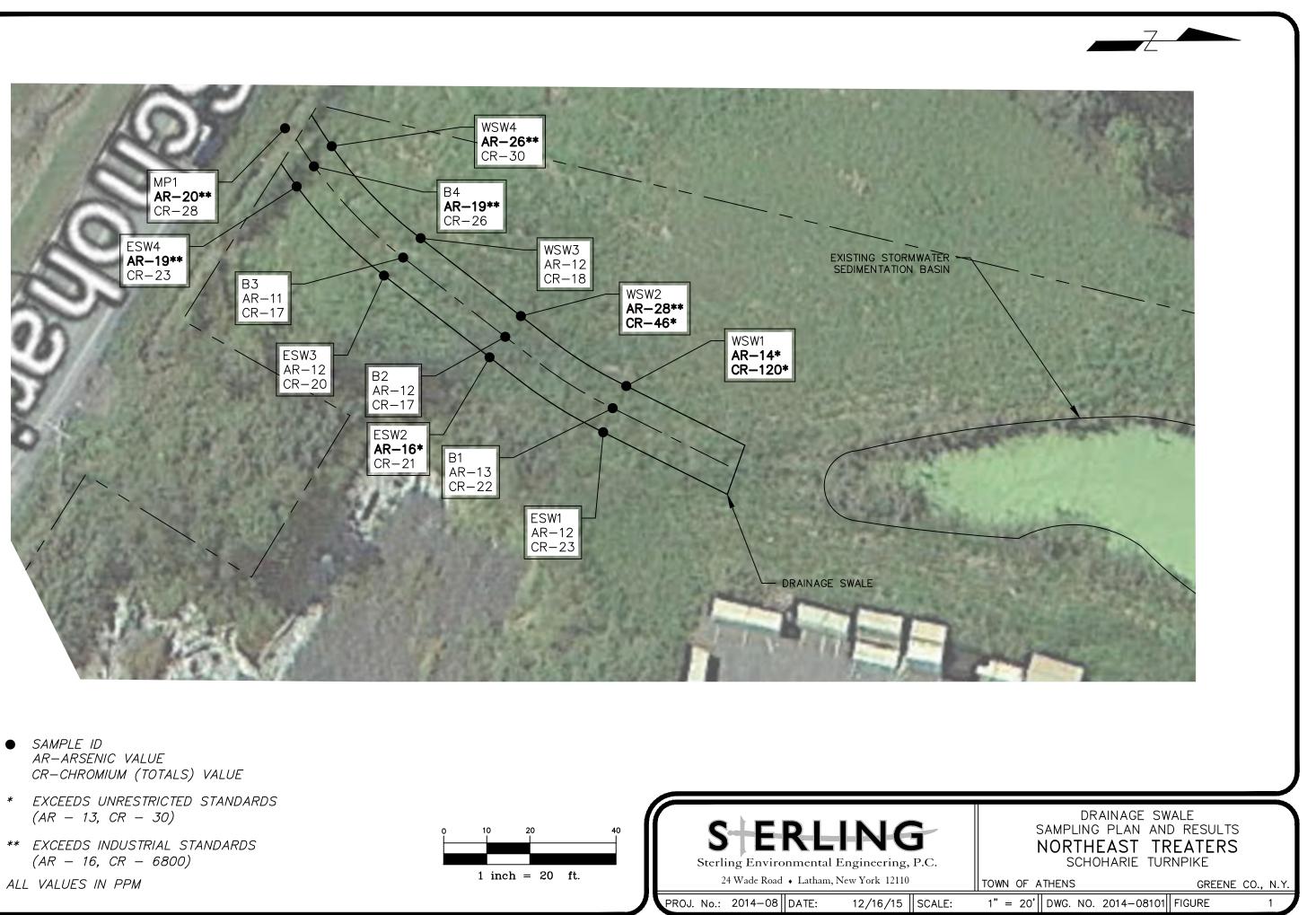
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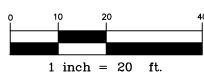
Thomas M. Johnson, CPG Senior Hydrogeologist <u>Thomas.Johnson@sterlingenvironmental.com</u>

TMJ/bc Email Only Attachments (Figure, Laboratory Report)

 cc: Walter Wintsch, NYSDEC Central Office (Email Only) Scarlett McLaughlin, NYSDOH (Email Only) Brad Wenskoski, NYSDOH (Email Only) Justin Deming, NYSDOH (Email Only) David Reed, Northeast Treaters, Athens, NY (Email Only) Greg Christy, Northeast Treaters, Athens, NY (Email Only) Kevin Young, Young Sommer (Email Only) Beth Morss, Young Sommer (Email Only)

ATTACHMENT 1 FIGURE 1







ATTACHMENT 2 ANALYTICAL LABORATORY REPORT



ANALYTICAL REPORT

Lab Number:	L1532153
Client:	Sterling Environmental Eng 24 Wade Road Latham, NY 12110
ATTN:	Vedran Cirkovic
Phone:	(518) 456-4900
Project Name:	NORTHEAST TREATERS
Project Number:	2014-08
Report Date:	12/16/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name:NORTHEAST TREATERSProject Number:2014-08

Lab Number:	L1532153
Report Date:	12/16/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1532153-01	WSW-1	SOIL	NORTHEAST TREATERS	12/07/15 14:05	12/07/15
L1532153-02	ESW-1	SOIL	NORTHEAST TREATERS	12/07/15 14:18	12/07/15
L1532153-03	B-1	SOIL	NORTHEAST TREATERS	12/07/15 14:21	12/07/15
L1532153-04	WSW-2	SOIL	NORTHEAST TREATERS	12/07/15 14:24	12/07/15
L1532153-05	ESW-2	SOIL	NORTHEAST TREATERS	12/07/15 14:27	12/07/15
L1532153-06	B-2	SOIL	NORTHEAST TREATERS	12/07/15 14:30	12/07/15
L1532153-07	WSW-3	SOIL	NORTHEAST TREATERS	12/07/15 14:33	12/07/15
L1532153-08	ESW-3	SOIL	NORTHEAST TREATERS	12/07/15 14:36	12/07/15
L1532153-09	B-3	SOIL	NORTHEAST TREATERS	12/07/15 14:39	12/07/15
L1532153-10	WSW-4	SOIL	NORTHEAST TREATERS	12/07/15 14:41	12/07/15
L1532153-11	ESW-4	SOIL	NORTHEAST TREATERS	12/07/15 14:44	12/07/15
L1532153-12	B-4	SOIL	NORTHEAST TREATERS	12/07/15 14:47	12/07/15
L1532153-13	MP-1	SOIL	NORTHEAST TREATERS	12/07/15 14:50	12/07/15



Project Name: NORTHEAST TREATERS Project Number: 2014-08

Lab Number: L1532153 Report Date: 12/16/15

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.



Project Name:NORTHEAST TREATERSProject Number:2014-08

 Lab Number:
 L1532153

 Report Date:
 12/16/15

Case Narrative (continued)

Report Submission

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

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:

find l. Witter Lisa Westerlind

Title: Technical Director/Representative

Date: 12/16/15



METALS



Project Name:	NORT	THEAST TH	REATERS	5			Lab Nur	L15321	53		
Project Number:	2014-	08					Report Date: 12/1			5	
				SAMPL	E RES	ULTS					
Lab ID:	L1532	2153-01					Date Co	llected:	12/07/1	5 14:05	
Client ID:	WSW	-1					Date Re	ceived:	12/07/1	5	
Sample Location:	NORT	THEAST TH	REATERS	5			Field Pre	ep:	Not Spe	cified	
Matrix:	Soil										
Percent Solids:	73%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Westh	oorough l	Lab									
Arsenic, Total	14		mg/kg	0.54	0.11	1	12/09/15 17:00	12/10/15 15:01	EPA 3050B	1,6010C	PS
Chromium, Total	120		mg/kg	0.54	0.11	4	40/00/45 47 00	12/10/15 15:01		1.6010C	PS



Project Name:	NORT	THEAST TH	REATERS	5			Lab Nur	mber:	L15321	53	
Project Number:	2014-	08					Report Date: 12/			5	
				SAMPL	E RES	ULTS					
Lab ID:	L1532	2153-02					Date Co	llected:	12/07/1	5 14:18	
Client ID:	ESW-	1					Date Re	ceived:	12/07/1	5	
Sample Location:	NORT	THEAST TH	REATERS	;			Field Pre	ep:	Not Spe	cified	
Matrix:	Soil										
Percent Solids:	67%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - West	oorough l	Lab									
Arsenic, Total	12		mg/kg	0.57	0.11	1	12/09/15 17:00	12/10/15 15:05	EPA 3050B	1,6010C	PS
Chromium, Total	23		mg/kg	0.57	0.11	1	12/00/15 17:00	12/10/15 15:05	EPA 3050B	1.6010C	PS



						Lab Nur	nhor	L15321	52		
NOKT	IEAST IF	EATERS						L10021	L1552155		
2014-0	8					Report I	Date:	12/16/15	5		
		:	SAMPL	E RES	ULTS						
L15321	53-03					Date Co	llected:	12/07/1	5 14:21		
B-1						Date Re	ceived:	12/07/1	5		
NORTI	HEAST TR	REATERS				Field Pre	ep:	Not Spe	cified		
Soil											
69%					Dilution	Data	Dete	Duen	Applytical		
Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analys	
rough L	ab										
13		mg/kg	0.56	0.11	1	12/09/15 17:00	12/10/15 15:09	EPA 3050B	1,6010C	PS	
22		mg/kg	0.56	0.11	1	12/00/15 17:00	12/10/15 15:00	EPA 3050B	1,6010C	PS	
	2014-0 L15321 B-1 NORTH Soil 69% Result rough L	2014-08 L1532153-03 B-1 NORTHEAST TF Soil 69% Result Qualifier rough Lab	2014-08 L1532153-03 B-1 NORTHEAST TREATERS Soil 69% Result Qualifier Units rough Lab	SAMPL L1532153-03 B-1 NORTHEAST TREATERS Soil 69% Result Qualifier Units RL rough Lab	2014-08 SAMPLE RES L1532153-03 B-1 NORTHEAST TREATERS Soil 69% Result Qualifier Units RL MDL rough Lab 3 mg/kg 0.56 0.11	2014-08 SAMPLE RESULTS L1532153-03 B-1 NORTHEAST TREATERS Soil 69% Pilution Result Qualifier Units RL MDL Pilution rough Lab mg/kg 0.56 0.11 1	2014-08 SAMPLE RESULTS L1532153-03 Date Co Date Res NORTHEAST TREATERS Soil 69% Result Qualifier Units RL MDL Date Factor Prepared rough Lab MDL MDL 1 12/09/15 17:00	2014-08 Report Date: 2014-08 SAMPLE RESULTS L1532153-03 Date Collected: B-1 Date Received: NORTHEAST TREATERS Field Prep: Soil 69% Gesult Qualifier Units RL MDL Factor Prepared Analyzed	2014-08 Report Date: 12/16/19 SAMPLE RESULTS Date Collected: 12/07/19 L1532153-03 Date Collected: 12/07/19 B-1 Date Received: 12/07/19 NORTHEAST TREATERS Field Prep: Not Spe Soil 04 Date Date 69% Date Date Date Result Qualifier Units RL MDL Prepared Date Prep Moth Factor Prepared Analyzed Method	2014-08 Report Date: 12/16/15 SAMPLE RESULTS Date Collected: 12/07/15 14:21 L1532153-03 Date Collected: 12/07/15 14:21 B-1 Date Received: 12/07/15 NORTHEAST TREATERS Field Prep: Not Specified Soil Oualifier Units RL MDL Prepared Date Prep Analytical Method Mode Factor Prepared Analyzed 13 mg/kg 0.56 0.11 1 12/09/15 17:00 12/10/15 15:09 EPA 3050B 1,6010C	



Project Name:	NORT	THEAST TH	REATERS	6			Lab Nu	L15321	L1532153		
Project Number:	2014-	08					Report	Date:	12/16/1	5	
				SAMPL	E RES	ULTS					
Lab ID:	L1532	2153-04					Date Co	ollected:	12/07/1	5 14:24	
Client ID:	WSW	-2					Date Re	eceived:	12/07/1	5	
Sample Location:	NORT	THEAST TH	REATERS	5			Field Pr	ep:	Not Spe	ecified	
Matrix:	Soil										
Percent Solids:	58%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Westb	orough	Lab									
Arsenic, Total	28		mg/kg	0.69	0.14	1	12/09/15 17:00) 12/10/15 16:34	EPA 3050B	1,6010C	PS
Chromium, Total	46		mg/kg	0.69	0.14	1	12/09/15 17:00) 12/10/15 16:34	EPA 3050B	1,6010C	PS



Project Name:	NORT	THEAST TH	REATERS	;			Lab Nur	Lab Number: L15			
Project Number:	2014-	08					Report	12/16/1	12/16/15		
				SAMPL	E RES	ULTS					
Lab ID:	L1532	2153-05					Date Co	llected:	12/07/1	5 14:27	
Client ID:	ESW-	2					Date Re	ceived:	12/07/1	5	
Sample Location:	NORT	THEAST TH	REATERS				Field Pre	ep:	Not Spe	cified	
Matrix:	Soil										
Percent Solids:	70%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - West	oorough l	Lab									
Arsenic, Total	16		mg/kg	0.55	0.11	1	12/09/15 17:00) 12/10/15 16:38	EPA 3050B	1,6010C	PS
Chromium, Total	21		mg/kg	0.55	0.11	1	12/00/15 17:00) 12/10/15 16:38	EPA 3050B	1,6010C	PS



Project Name:	NORT	THEAST TH	REATERS	6			Lab Nu	mber:	L15321	53	
Project Number:	2014-	08					Report Date: 12			5	
				SAMPL	E RES	ULTS					
Lab ID:	L1532	153-06					Date Co	llected:	12/07/1	5 14:30	
Client ID:	B-2						Date Re	eceived:	12/07/1	5	
Sample Location:	NORT	HEAST TR	REATERS	6			Field Pr	ep:	Not Spe	ecified	
Matrix:	Soil							-	-		
Percent Solids:	68%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Westb	oorough l	Lab									
Arsenic, Total	12		mg/kg	0.57	0.11	1	12/09/15 17:00) 12/10/15 16:42	EPA 3050B	1,6010C	PS
Chromium, Total	17		mg/kg	0.57	0.11	1	12/09/15 17:00) 12/10/15 16:42	EPA 3050B	1,6010C	PS



Project Name:	NORT	THEAST TH	REATERS	6			Lab Nu	mber:	L1532153		
Project Number:	2014-	08					Report	12/16/1	12/16/15		
				SAMPL	E RES	ULTS					
Lab ID:	L1532	2153-07					Date Co	llected:	12/07/1	5 14:33	
Client ID:	WSW	-3					Date Re	eceived:	12/07/1	5	
Sample Location:	NORT	THEAST TH	REATERS	5			Field Pr	ep:	Not Spe	ecified	
Matrix:	Soil							-	-		
Percent Solids:	62%					Dilution	Date	Date	Dron	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Prep Method	Method	Analyst
Total Metals - Westb	oorough l	Lab									
Arsenic, Total	12		mg/kg	0.63	0.12	1	12/09/15 17:59	9 12/10/15 16:46	EPA 3050B	1,6010C	PS
Chromium, Total	18		mg/kg	0.63	0.12	1	12/09/15 17:59	9 12/10/15 16:46	EPA 3050B	1,6010C	PS



Project Name:	NORT	THEAST TH	REATERS	5			Lab Nur	nber:	L15321	53	
Project Number:	2014-	08					Report Date: 12/ ²			5	
				SAMPL	E RES	ULTS					
Lab ID:	L1532	2153-08					Date Co	llected:	12/07/1	5 14:36	
Client ID:	ESW-	3					Date Re	ceived:	12/07/1	5	
Sample Location:	NORT	THEAST TH	REATERS	3			Field Pre	ep:	Not Spe	cified	
Matrix:	Soil										
Percent Solids:	55%					Dilution	Date	Date	Bron	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Prep Method	Method	Analyst
Total Metals - West	orough	Lab									
Arsenic, Total	12		mg/kg	0.68	0.14	1	12/09/15 17:59	12/10/15 16:50	EPA 3050B	1,6010C	PS
Chromium, Total	20		mg/kg	0.68	0.14	1	12/09/15 17:59	12/10/15 16:50	EPA 3050B	1,6010C	PS



Project Name:	NORT	NORTHEAST TREATERS						nber:	L1532153			
Project Number:	2014-	2014-08						Report Date:		12/16/15		
				SAMPL	E RES	ULTS						
Lab ID:	L1532	2153-09					Date Co	llected:	12/07/15 14:39			
Client ID:	B-3	B-3						Date Received:		12/07/15		
Sample Location:	NORT	NORTHEAST TREATERS						Field Prep:		Not Specified		
Matrix:	Soil											
Percent Solids:	66%					Dilution	Date	Date	Prep	Analytical		
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst	
Total Metals - West	oorough l	Lab										
Arsenic, Total	11		mg/kg	0.59	0.12	1	12/09/15 17:59	12/10/15 16:54	EPA 3050B	1,6010C	PS	
Chromium, Total	17		mg/kg	0.59	0.12			12/10/15 16:54		1.6010C	PS	



Project Name:	NORT	NORTHEAST TREATERS						mber:	L1532153			
Project Number:	2014-	2014-08						Report Date:		12/16/15		
				SAMPL	E RES	ULTS						
Lab ID:	L1532	2153-10					Date Co	llected:	12/07/1	5 14:41		
Client ID:	WSW	WSW-4						Date Received:		12/07/15		
Sample Location:	NORT	NORTHEAST TREATERS						Field Prep:		Not Specified		
Matrix:	Soil							-	-			
Percent Solids:	56%					Dilution	Date	Date	Dron	Analytical		
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Prep Method	Method	Analyst	
Total Metals - Westb	oorough l	Lab										
Arsenic, Total	26		mg/kg	0.68	0.14	1	12/09/15 17:59	9 12/10/15 18:24	EPA 3050B	1,6010C	PS	
Chromium, Total	30		mg/kg	0.68	0.14	1	12/09/15 17:59	9 12/10/15 18:24	EPA 3050B	1,6010C	PS	



Project Name:	NORT	NORTHEAST TREATERS						mber:	L1532153			
Project Number:	2014-	2014-08						Report Date:		12/16/15		
				SAMPL	E RES	ULTS						
Lab ID:	L1532	2153-11				Date Co	ollected:	12/07/15 14:44				
Client ID:	ESW-	ESW-4						eceived:	12/07/15			
Sample Location:	NORT	NORTHEAST TREATERS						ep:	Not Specified			
Matrix:	Soil											
Percent Solids:	59%					Dilution	Date	Date	Dron	Analytical		
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Prep Method	Method	Analyst	
Total Metals - West	oorough l	Lab										
Arsenic, Total	19		mg/kg	0.65	0.13	1	12/09/15 17:59	9 12/10/15 18:28	EPA 3050B	1,6010C	PS	
Chromium, Total	23		mg/kg	0.65	0.13	1	12/09/15 17:59	9 12/10/15 18:28	EPA 3050B	1,6010C	PS	



Project Name:	NORT	THEAST TH	REATERS	6			Lab Nu	mber:	L15321	L1532153		
Project Number:	2014-	08					Report	Date:	12/16/1	12/16/15		
				SAMPL	E RES	ULTS						
Lab ID:	L1532	153-12					Date Co	ollected:	12/07/1	5 14:47		
Client ID:	B-4						Date Re	Date Received: 1				
Sample Location:	NORT	ORTHEAST TREATERS					Field Pr	ep:	Not Specified			
Matrix:	Soil							-	-			
Percent Solids:	62%					Dilution	Date	Date	Prep	Analytical		
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst	
Total Metals - Westb	oorough l	Lab										
Arsenic, Total	19		mg/kg	0.64	0.13	1	12/09/15 17:59	9 12/10/15 18:32	EPA 3050B	1,6010C	PS	
Chromium, Total	26		mg/kg	0.64	0.13	1	12/09/15 17:59	9 12/10/15 18:32	EPA 3050B	1,6010C	PS	



Project Name:	NORT	THEAST TH	REATERS				Lab Nur	mber:	L15321	L1532153		
Project Number:	2014-	08					Report I	Date:	12/16/1	12/16/15		
				SAMPL	E RES	ULTS						
Lab ID:	L1532	2153-13					Date Co	llected:	12/07/1	5 14:50		
Client ID:	MP-1	P-1					Date Re	ceived:	12/07/1	12/07/15		
Sample Location:	NORT	ORTHEAST TREATERS					Field Prep:		Not Specified			
Matrix:	Soil											
Percent Solids:	30%					Dilution	Date	Date	Prep	Analytical		
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst	
Total Metals - West	oorough l	Lab										
Arsenic, Total	20		mg/kg	1.3	0.26	1	12/09/15 17:59	12/10/15 18:36	EPA 3050B	1,6010C	PS	
Chromium, Total	28		mg/kg	1.3	0.26	1	10/00/15 17:50	12/10/15 18:36	EPA 3050B	1,6010C	PS	



Project Name: NORTHEAST TREATERS Project Number: 2014-08
 Lab Number:
 L1532153

 Report Date:
 12/16/15

Method Blank Analysis Batch Quality Control

Parameter	Result C	Qualifier Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westbo	rough Lab fo	or sample(s): 01-06	Batch:	WG84	8243-1				
Arsenic, Total	ND	mg/kg	0.40	0.08	1	12/09/15 17:00	12/10/15 12:55	5 1,6010C	PS
Chromium, Total	ND	mg/kg	0.40	0.08	1	12/09/15 17:00	12/10/15 12:55	5 1,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Quali	fier Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - West	borough Lab for sar	mple(s): 07-13	Batch:	WG84	8273-1				
Arsenic, Total	ND	mg/kg	0.40	0.08	1	12/09/15 17:59	12/10/15 14:01	1,6010C	PS
Chromium, Total	ND	mg/kg	0.40	0.08	1	12/09/15 17:59	12/10/15 14:01	1,6010C	PS

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis Batch Quality Control

Project Name: NORTHEAST TREATERS

Project Number: 2014-08 Lab Number: L1532153 Report Date: 12/16/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated san	nple(s): 01-06	Batch: WG	6848243-2 SRM	/I Lot Numbe	er: D088-540			
Arsenic, Total	87		-		79-121	-		
Chromium, Total	81		-		80-120	-		
Total Metals - Westborough Lab Associated san	nple(s): 07-13	Batch: WG	6848273-2 SRM	/I Lot Numbe	er: D088-540			
Arsenic, Total	85		-		79-121	-		
Chromium, Total	110		-		80-120	-		



Matrix Spike Analysis

Project Name:	NORTHEAST TREATERS	Batch Quality Control	Lab Number:
Project Number:	2014-08		Report Date:

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Recovery Qual Limits	RPD Qua	RPD al Limits
Total Metals - Westborough L	ab Associated	sample(s): (01-06 QC	Batch ID: WG8	848243-3	3 WG84824	13-4 QC Sai	mple: L1532125-01	Client ID	MS Sample
Arsenic, Total	4.0	10.5	14	95		14	96	75-125	0	20
Chromium, Total	10.	17.5	28	103		30	115	75-125	7	20
Total Metals - Westborough L	ab Associated	sample(s): (07-13 QC	Batch ID: WG8	848273-4	4 QC San	nple: L15321	69-01 Client ID: I	VIS Sample	
Arsenic, Total	27.	11.3	34	62	Q	-	-	75-125	-	20
Chromium, Total	13.	18.9	32	100		-	-	75-125	-	20



Lab Duplicate Analysis Batch Quality Control

Project Name: NORTHEAST TREATERS Project Number: 2014-08 Lab Number:

Lab Number: L1532153 Report Date: 12/16/15

Parameter Native Sample **Duplicate Sample** Units RPD Qual **RPD Limits** Total Metals - Westborough Lab Associated sample(s): 07-13 QC Batch ID: WG848273-3 QC Sample: L1532169-01 Client ID: DUP Sample 27. 12 20 Arsenic, Total 24 mg/kg Chromium, Total 13. 13 mg/kg 20 0



INORGANICS & MISCELLANEOUS



Serial_No:12161508:04

Project Name:	NORTHEAST TREATERS	Lab Nu
Project Number:	2014-08	Report

 Lab Number:
 L1532153

 Report Date:
 12/16/15

Lab ID:	L1532153-01	Date Collected:	12/07/15 14:05
Client ID:	WSW-1	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lat)								
Solids, Total	72.7		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.1	0.22	1	12/10/15 14:57	12/11/15 11:58	1,7196A	JT



Project Name:	NORTHEAST TREATERS	Lab Number:	L1532153
Project Number:	2014-08	Report Date:	12/16/15

Lab ID:	L1532153-02	Date Collected:	12/07/15 14:18
Client ID:	ESW-1	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Resul	t Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough La	ab								
Solids, Total	66.9		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	0.57	J	mg/kg	1.2	0.24	1	12/10/15 14:57	12/11/15 11:59	1,7196A	JT



Project Name:	NORTHEAST TREATERS	Lab Number:
Project Number:	2014-08	Report Date:

Lab ID:	L1532153-03	Date Collected:	12/07/15 14:21
Client ID:	B-1	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab)								
Solids, Total	68.8		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.2	0.23	1	12/10/15 14:57	12/11/15 11:59	1,7196A	JT



Project Name:	NORTHEAST TREATERS	Lab Number:
Project Number:	2014-08	Report Date:

Lab ID:	L1532153-04	Date Collected:	12/07/15 14:24
Client ID:	WSW-2	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lat)								
Solids, Total	58.1		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.4	0.28	1	12/10/15 14:57	12/11/15 12:00	1,7196A	JT



Serial_No:12161508:04

Project Name:	NORTHEAST TREATERS	Lab Number:
Project Number:	2014-08	Report Date:

Lab ID:	L1532153-05	Date Collected:	12/07/15 14:27
Client ID:	ESW-2	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lat)								
Solids, Total	69.8		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.1	0.23	1	12/10/15 14:57	12/11/15 12:01	1,7196A	JT



Serial_No:12161508:04

Project Name:	NORTHEAST TREATERS	Lab Number:	L1532153
Project Number:	2014-08	Report Date:	12/16/15

Lab ID:	L1532153-06	Date Collected:	12/07/15 14:30
Client ID:	B-2	Date Received:	12/07/15
Sample Loc	ation: NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lat)								
Solids, Total	67.6		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.2	0.24	1	12/10/15 14:57	12/11/15 12:01	1,7196A	JT



Project Name:	NORTHEAST TREATERS	Lab Number:
Project Number:	2014-08	Report Date:

Lab ID:	L1532153-07	Date Collected:	12/07/15 14:33
Client ID:	WSW-3	Date Received:	12/07/15
Sample Loca	ation: NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Resul	t Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough La	ab								
Solids, Total	62.2		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	0.42	J	mg/kg	1.3	0.26	1	12/10/15 14:57	12/11/15 12:02	1,7196A	JT



Serial_No:12161508:04

Project Name:	NORTHEAST TREATERS	Lab Number:	L1532153
Project Number:	2014-08	Report Date:	12/16/15

Lab ID:	L1532153-08	Date Collected:	12/07/15 14:36
Client ID:	ESW-3	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lat)								
Solids, Total	55.4		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.4	0.29	1	12/10/15 14:57	12/11/15 12:21	1,7196A	JT



Serial_No:12161508:04

Project Name:	NORTHEAST TREATERS	Lab Number:	L1532153
Project Number:	2014-08	Report Date:	12/16/15

Lab	ID:	L1532153-09	Date Collected:	12/07/15 14:39
Clie	nt ID:	B-3	Date Received:	12/07/15
San	nple Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Mat	rix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab)								
Solids, Total	66.3		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.2	0.24	1	12/10/15 14:57	12/11/15 12:22	1,7196A	JT



Project Name:	NORTHEAST TREATERS	Lab Number:	L1532153
Project Number:	2014-08	Report Date:	12/16/15

Lab ID:	L1532153-10	Date Collected:	12/07/15 14:41
Client ID:	WSW-4	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier Uni	s RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lat)							
Solids, Total	55.5	%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND	mg/l	ig 1.4	0.29	1	12/10/15 14:57	12/11/15 12:23	1,7196A	JT



Serial	No:1216150	08:04
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Project Name:	NORTHEAST TREATERS
Project Number:	2014-08

Lab Number: L1532153 Report Date: 12/16/15

Lab ID:	L1532153-11	Date Collected:	12/07/15 14:44
Client ID:	ESW-4	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab)							
Solids, Total	58.8	%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND	mg/kg	1.4	0.27	1	12/10/15 14:57	12/11/15 12:24	1,7196A	JT



Project Name:	NORTHEAST TREATERS
Project Number:	2014-08

Lab Number: L1532153 Report Date: 12/16/15

Lab ID:	L1532153-12	Date Collected:	12/07/15 14:47
Client ID:	B-4	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab									
Solids, Total	61.7		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	1.3	0.26	1	12/10/15 14:57	12/11/15 12:26	1,7196A	JT



Serial_No:12161508:04

Project Name:	NORTHEAST TREATERS
Project Number:	2014-08

Lab Number: L1532153 Report Date: 12/16/15

Lab ID:	L1532153-13	Date Collected:	12/07/15 14:50
Client ID:	MP-1	Date Received:	12/07/15
Sample Location:	NORTHEAST TREATERS	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - We	stborough Lab									
Solids, Total	30.1		%	0.100	NA	1	-	12/08/15 13:51	30,2540G	RI
Chromium, Hexavalent	ND		mg/kg	2.6	0.53	1	12/10/15 14:57	12/11/15 12:27	1,7196A	JT



Project Name: NORTHEAST TREATERS Project Number: 2014-08
 Lab Number:
 L1532153

 Report Date:
 12/16/15

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifi	er Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab for s	sample(s): 01.	-07 Ba	tch: WO	G848612-1				
Chromium, Hexavalent	ND	mg/kg	0.80	0.16	1	12/10/15 14:57	12/11/15 11:55	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 08-13 Batch: WG848613-1									
Chromium, Hexavalent	ND	mg/kg	0.80	0.16	1	12/10/15 14:57	12/11/15 12:20	1,7196A	JT



Lab Control Sample Analysis Batch Quality Control

Lab Number: L1532153 Report Date: 12/16/15

Project Name: NORTHEAST TREATERS

Project Number: 2014-08

Parameter	LCS %Recovery Qual	LCSD %Recovery Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab As	ssociated sample(s): 01-07	Batch: WG848612-2				
Chromium, Hexavalent	94	-	80-120	-		20
General Chemistry - Westborough Lab As	ssociated sample(s): 08-13	Batch: WG848613-2				
Chromium, Hexavalent	98	-	80-120	-		20



Matrix Spike Analysis

Project Name:	NORTHEAST TREATERS	Batch Quality Control	Lab Number:	L1532153
Project Number:	2014-08		Report Date:	12/16/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery Q	Recovery ual Limits	RPD Qual	RPD Limits
General Chemistry - Westbord	ough Lab Asso	ciated samp	ole(s): 01-07	QC Batch II	D: WG84	48612-4	QC Sample: L15	32153-01 Clier	nt ID: WSW-	l
Chromium, Hexavalent	ND	1240	1100	89		-	-	75-125	-	20
General Chemistry - Westbord	ough Lab Asso	ciated samp	ole(s): 08-13	QC Batch II	D: WG84	48613-4	QC Sample: L15	32153-08 Clier	nt ID: ESW-3	
Chromium, Hexavalent	ND	1700	1600	94		-	-	75-125	-	20



Lab Duplicate Analysis Batch Quality Control

Project Name:NORTHEAST TREATERSProject Number:2014-08

 Lab Number:
 L1532153

 Report Date:
 12/16/15

Parameter	Native Sam	ple D	uplicate Sampl	e Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01-13	QC Batch ID:	WG847799-1	QC Sample:	L1532153-01	Client ID:	WSW-1
Solids, Total	72.7		71.1	%	2		20
General Chemistry - Westborough Lab	Associated sample(s): 01-07	QC Batch ID:	WG848612-6	QC Sample:	L1532153-01	Client ID:	WSW-1
Chromium, Hexavalent	ND		ND	mg/kg	NC		20
General Chemistry - Westborough Lab	Associated sample(s): 08-13	QC Batch ID:	WG848613-6	QC Sample:	L1532153-08	Client ID:	ESW-3
Chromium, Hexavalent	ND		ND	mg/kg	NC		20



Project Name: NORTHEAST TREATERS Project Number: 2014-08

Lab Number: L1532153 Report Date: 12/16/15

Sample Receipt and Container Information

Were project specific reporting limits specified?

Absent

YES

Cooler Information Custody Seal

Cooler A

Container Info	ormation			Temp			
Container ID	Container Type	Cooler	рΗ	deg Ċ	Pres	Seal	Analysis(*)
L1532153-01A	Glass 60mL/2oz unpreserved	A	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-01B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-02A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-02B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-03A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-03B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-04A	Glass 60mL/2oz unpreserved	A	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-04B	Glass 120ml/4oz unpreserved	A	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-05A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-05B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-06A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-06B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-07A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-07B	Glass 120ml/4oz unpreserved	A	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-08A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-08B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-09A	Glass 60mL/2oz unpreserved	A	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-09B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-10A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-10B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-11A	Glass 60mL/2oz unpreserved	A	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)

Project Name: NORTHEAST TREATERS Project Number: 2014-08 Lab Number: L1532153 Report Date: 12/16/15

Container Info	ormation			Temp			
Container ID	Container Type	Cooler pH		deg C	Pres	Seal	Analysis(*)
L1532153-11B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-12A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-12B	Glass 120ml/4oz unpreserved	A	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-13A	Glass 60mL/2oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)
L1532153-13B	Glass 120ml/4oz unpreserved	А	N/A	2.6	Y	Absent	AS-TI(180),CR- TI(180),TS(7),HEXCR-7196(30)



Project Name: NORTHEAST TREATERS

Project Number: 2014-08

Lab Number: L1532153

Report Date: 12/16/15

GLOSSARY

Acronyms

- 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).
- 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.
- 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.
- 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.
- NI Not Ignitable.
- NP Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
- 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.
- 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.

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

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.

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.

Data Qualifiers

- A Spectra identified as "Aldol Condensation Product".
- 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 concentrations of the analyte at less than ten times (10x) the 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).

Report Format: DU Report with 'J' Qualifiers



Project Name: NORTHEAST TREATERS

Project Number: 2014-08

Lab Number: L1532153

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Data Qualifiers

- 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.
- 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.
- M Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- 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.
- 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 Identified Compounds (TICs).
- ND Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.



Project Name: NORTHEAST TREATERS Project Number: 2014-08
 Lab Number:
 L1532153

 Report Date:
 12/16/15

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol. EPA 1010A: NPW: Ignitability EPA 6010C: NPW: Strontium; SCM: Strontium EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1.2,4,5-Tetramethylbenzene; 4-Ethyltoluene. EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine. EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation EPA 9038: NPW: Sulfate EPA 9050A: NPW: Specific Conductance EPA 9056: NPW: Chloride, Nitrate, Sulfate EPA 9065: NPW: Phenols EPA 9251: NPW: Chloride SM3500: NPW: Ferrous Iron SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3. SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: <u>NPW</u>: Biphenyl; <u>SCM</u>: Biphenyl **EPA 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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; EPA 200.7: Ba,Be,Ca,Cd,Cr,Cu,Na; EPA 245.1: Mercury; EPA 300.0: 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B EPA 332: Perchlorate. Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn; EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D. EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: 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**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil. **Microbiology**: **SM9223B-Colilert-QT**; Enterolert-QT, SM9222D-MF.

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

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APPENDIX F

LIST OF REMEDIAL ACTIVITIES AND MONTHLY PROGRESS REPORTS

Appendix F

List of Remedial Activities Completed

Northeast Treaters of New York, LLC BCP #C420029

• Site preparation

- Building demolition
- Isolation cover over former drip pad
- Site demarcation fencing
- Decontamination pad
- Erosion Control measures
- Sawcut and break up of concrete pad
- Excavation and management of site concrete
- Excavation and management of site soil
- Maintenance of concrete and soil stockpiles
- Removal of impacted sediment from facility catch basins
- Clearing and grubbing of expansion area
- Construction of Site cover
 - Asphalt pavement
 - Imported soil and stone cover
 - New concrete building slab
- Modifications to existing downgradient basin exit swale
- Construction of southern berm

Brownfield Cleanup Project Monthly Progress Report

BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period May 10, 2015 through June 10, 2015

Actions taken relative to the project during the reporting period:

- Revised Remedial Investigation Report and Remedial Work Plan submitted to the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) between 5/13/2015 and 5/15/2015;
- Revised Remedial Investigation Report and Remedial Work Plan submitted to document repository on 6/1/2015;
- Public Comment Period for the Remedial Work Plan announced 6/4/2015 and open through 7/21/2015;
- Request for Proposals transmitted to Qualified Remedial Contractors;
- Comment Letter Re: Excavation Work Plan and Community Air Monitoring Plan issued by NYSDEC on 6/4/2015; and
- Predesign Sampling Work Plan submitted to NYSDEC and NYSDOH on 6/8/2015.

Anticipated activities for next reporting period:

- Conduct Predesign Sampling field investigation week of 6/15/2015;
- Report Predesign Sample data and further delineate extent of preferred remedy (i.e. capping);
- Retain Qualified Remedial Contractor;
- Finalize Excavation Work Plan and Community Air Monitoring Plan, including obtaining DEC approval; and
- Revise BCA to expand Site boundaries to include portion of recently acquired adjoining property.

Approved activity modifications (changes of work scope and/or schedule)

• No activity modifications were requested during this reporting period.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• No sampling or tests were conducted during this reporting period.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~30%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• Further delineation of surface soils requested to north and east of currently defined Brownfield Cleanup Program Site.

If applicable, efforts made to mitigate such delays:

• Predesign Sampling Work Plan developed to delineate surface soils to north and east of the currently defined Brownfield Cleanup Program Site.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

- Revised Remedial Investigation Report and Remedial Work Plan submitted to document repository on 6/1/2015; and
- Public Comment Period for the Remedial Work Plan announced 6/4/2015 and open through 7/21 2015.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Address public comments, if any, concerning the Remedial Work Plan.

BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period June 1, 2015 through June 30, 2015

Actions taken relative to the project during the reporting period:

- Revised Remedial Investigation Report and Remedial Work Plan submitted to document repository on 6/1/2015;
- Public Comment Period for the Remedial Work Plan announced 6/4/2015 and open through 7/21/2015;
- Request for Service Quotations transmitted to Qualified Remedial Contractors;
- Comment Letter concerning the Excavation Work Plan and Community Air Monitoring Plan issued by the New York State Department of Environmental Conservation (NYSDEC) on 6/4/2015;
- Predesign Sampling Work Plan submitted to the NYSDEC and the New York State Department of Health (NYSDOH) on 6/8/2015;
- Revised Excavation Work Plan, Revised Community Air Monitoring Plan and response to comments submitted to the NYSDEC and the NYSDOH on 6/12/2015;
- Predesign Sampling approval letter issued by the NYSDEC on 6/12/2015;
- Predesign Sampling field investigation conducted on 6/16/2015;
- Approval for lot line adjustment obtained from Town of Athens on 6/25/2015;
- Survey of proposed Brownfield Cleanup Area expansion completed by 6/30/2015; and
- Service Quotations submitted by Qualified Remedial Contractors.

Anticipated activities for next reporting period:

- Report Predesign Sample data to the NYSDEC;
- Retain Qualified Remedial Contractor;
- Revise BCA to expand Site boundaries;
- Submit notice to the NYSDEC concerning planned Site disturbance activities;
- Finalize Remedial Work Plan (incorporating NYSDEC comments); and
- Mobilize construction equipment, begin demolition of existing processing building and prepare Site for remedial activities.

Approved activity modifications (changes of work scope and/or schedule)

• No activity modifications were requested during this reporting period.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

- Analytical Laboratory Reports associated with Predesign Sampling are provided as Attachment 1.
- Data Usability Summary Reports associated with Predesign Sampling are provided as Attachment 2.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~35%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

- Revised Remedial Investigation Report and Remedial Work Plan submitted to document repository on 6/1/2015; and
- Public Comment Period for the Remedial Work Plan announced 6/4/2015 and open through 7/21/2015.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Address public comments, if any, concerning the Remedial Work Plan.

BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period July 1, 2015 through July 31, 2015

Actions taken relative to the project during the reporting period:

- Notice of intent to initiate construction and remedial activities on the Brownfield Cleanup Program (BCP) Site submitted to New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) on 7/13/15;
- Memorandum regarding consolidation of concrete and soil under protective cover submitted to NYSDEC and NYSDOH on 7/13/15;
- Brownfield Cleanup Agreement (BCA) Amendment Application submitted to NYSDEC and NYSDOH on 7/14/15 to expand the boundaries of the BCP Site;
- Supplemental Predesign Sampling Plan submitted to NYSDEC and NYSDOH on 7/14/2015 to collect additional soil samples at the southeastern portion of the Site;
- Predesign Sampling approval letter and request to conduct stormwater sediment sampling at catch basin sample locations issued by the NYSDEC on 7/17/2015;
- Revised Remedial Investigation Report Comment Letter issued by NYSDEC on 7/17/2015;
- Public Comment Period for the Remedial Work Plan ended on 7/22/2015, and no public comments were received;
- Supplemental Predesign Sampling field investigation addressed in 7/14/2015 sampling plan letter conducted on 7/23/2015 to collect additional soil samples and stormwater sediment samples;
- Contained-In Determination Request for Site soils submitted to NYSDEC on 7/29/2015; and
- NYSDEC approved BCA Amendment Application on 7/31/2015.

Anticipated activities for next reporting period:

- Report Predesign Sample and Supplemental Predesign Sampling data to NYSDEC;
- Submit Revised Remedial Investigation Report per 7/17/2015 NYSDEC comment letter;
- Obtain NYSDEC Decision Document;
- Finalize Remedial Work Plan (incorporating NYSDEC comments);
- Initiate remedial activities at the Northeast Treaters BCP Site;
- Conduct soil testing for disposal characterization; and
- Obtain Contained-In Determination for Site soil.

Approved activity modifications (changes of work scope and/or schedule)

• No activity modifications were requested during this reporting period.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• Analytical Laboratory Reports associated with Supplemental Predesign Sampling conducted on July 23, 2015 are provided as Attachment 1.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~40%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• Public Comment Period for the Remedial Work Plan ended on 7/22/2015, and no public comments were received.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Issue Notice and Fact Sheet to Site Contact List before protective cover is installed at the BCP Site.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period August 1, 2015 through August 31, 2015

Actions taken relative to the project during the reporting period:

- Revised Remedial Investigation Report submitted to NYSDEC on 8/3/2015; received 8/26/15 NYSDEC acceptance letter for the Remedial Investigation Report;
- Catch Basin Sediment Sampling Letter (results) submitted to NYSDEC on 8/7/2015;
- Meeting held at NYSDEC on 8/13/2015 to discuss Stormwater Basin Sediment Sampling;
- Stormwater Basin Sampling Work Plan submitted to NYSDEC on 8/14/2015;
- Stormwater Basin Sediment Samples collected 8/17/2015;
- Ground-intrusive Activities initiated at the BCP Site on 8/17/2015;
- Community Air Monitoring initiated on 8/17/2015 in conjunction with the start of BCP Site ground-intrusive activities;
- Submitted revised Figure 2 Extent of Remedy map to NYSDEC on 8/19/2015;
- Submitted "Request to Import Fill" form to NYSDEC on 8/27/2015;
- Submitted additional "Request to Import Fill" form to NYSDEC on 8/28/2015.

Anticipated activities for next reporting period:

- Obtain NYSDEC comments on results of Stormwater Basin Sediment Sampling, which were submitted to NYSDEC by letter dated 9/4/2015;
- Submit Revised Remedial Work Plan addressing 9/3/2015 NYSDEC comment letter;
- Obtain NYSDEC Decision Document;
- Continue remedial activities at the Northeast Treaters BCP Site;
- Conduct soil testing for disposal characterization; and
- Obtain Contained-In Determination for Site soil.

Approved activity modifications (changes of work scope and/or schedule)

• No activity modifications were requested during this reporting period.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

- Analytical Laboratory Reports appended to the August 7, 2015 Catch Basin Sediment sampling letter were provided to the NYSDEC with the previous monthly progress report.
- Analytical laboratory report for Stormwater Basin Sediment Samples collected 8/17/2015 is provided as Attachment 1 and was previously submitted to NYSDEC by letter dated 9/4/2015.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~50%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Issue Notice and Fact Sheet to Site Contact List before protective cover is installed at the BCP Site.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period September 1, 2015 through September 30, 2015

Actions taken relative to the project during the reporting period:

- New York State Department of Environmental Conservation (NYSDEC) issued comments on the Remedial Work Plan on 9/3/2015;
- Soil stockpile sample collected by MC Environmental Services, Inc. on 9/4/2015 to characterize soil for contained-in determination/disposal purposes;
- Stormwater Basin Sampling Results Letter submitted to NYSDEC on 9/4/2015;
- Analytical laboratory report concerning waste characterization sample issued by Phoenix Environmental Laboratories, Inc. on 9/16/2015;
- Revised Excavation Work Plan with Stockpile Location figure submitted to NYSDEC on 9/17/2015;
- Environmental Assessment Form submitted to the Town of Athens on 9/21/2015 in support of petition to rezone the undeveloped portion of the Brownfield Cleanup Program (BCP) Site from residential to light industrial use; and
- Community Air Monitoring performed at BCP Site during soil disturbance activities.

Anticipated activities for next reporting period:

- Submit Revised Remedial Work Plan addressing 9/3/2015 NYSDEC comment letter;
- Submit Remedial Work Plan Addendum addressing expansion of Site covered by BCA and management of stormwater basin and drainage swale;
- Submit complete petition to the Town of Athens to rezone the undeveloped portion of the BCP Site for light industrial use;
- Obtain NYSDEC Decision Document;
- Continue remedial activities at the Northeast Treaters BCP Site; and
- Obtain Contained-In Determination for Site soil.

Approved activity modifications (changes of work scope and/or schedule)

• No activity modifications were requested during this reporting period.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• Analytical laboratory report dated 9/16/15 for the waste characterization sample collected on 9/4/2015 is provided as Attachment 1.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~54%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Issue Notice and Fact Sheet to Site Contact List before protective cover is installed at the BCP Site.

BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period October 1, 2015 through October 31, 2015

Actions taken relative to the project during the reporting period:

- Revised Remedial Work Plan submitted to New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) on 10/2/2015 in response to NYSDEC's 9/3/2015 comment letter;
- Complete Petition to rezone undeveloped woodland area from Rural Residential to Light Industrial submitted to the Town of Athens on 10/5/2015;
- Site visit to review conditions of the Northeast Treaters' facility stormwater basin attended by NYSDEC, NYSDOH, Northeast Treaters, and Sterling Environmental Engineering, P.C. on 10/5/2015;
- Letter concerning proposed measures to address impacted sediment in the Northeast Treaters' stormwater basin and drainage swale submitted to NYSDEC and NYSDOH on 10/5/2015;
- Letter regarding Comments on Stormwater Basin Sample Results issued by NYSDEC on 10/15/2015;
- Contained-In Determination issued by NYSDEC on 10/19/2015 allowing impacted fill material at the Site to be managed as solid waste by the City of Albany Landfill;
- Remedial Work Plan Addendum submitted to NYSDEC and NYSDOH on 10/28/2015 to address impacts identified during predesign sampling and to address NYSDEC comments received in the 10/15/2015 Stormwater Basin Sample Results comment letter;
- Wipe sample collected from the interior surface of the decommissioned Northeast Treaters' treatment cylinder on 10/29/2015; and
- Community Air Monitoring performed at BCP Site during soil disturbance activities.

Anticipated activities for next reporting period:

- Obtain NYSDEC Decision Document; and
- Continue remedial activities at the Northeast Treaters BCP Site including, but not limited to, the installation of the protective cover.

Approved activity modifications (changes of work scope and/or schedule)

• Awaiting NYSDEC and NYSDOH comment on activity modifications described in the 10/28/2015 Remedial Work Plan Addendum.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• Analytical laboratory report dated 11/5/15 for the wipe sample collected on 10/29/2015 is provided as Attachment 1.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~58%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Issue Notice and Fact Sheet to Site Contact List before protective cover is installed at the BCP Site.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period November 1, 2015 through November 30, 2015

Actions taken relative to the project during the reporting period:

- Contingent approval of the Remedial Work Plan Addendum provided by the New York State Department of Environmental Conservation (NYSDEC) by letter dated 11/20/2015;
- Community Air Monitoring performed at BCP Site during soil disturbance activities.

Anticipated activities for next reporting period:

- Obtain NYSDEC Decision Document; and
- Continue remedial activities at the Northeast Treaters BCP Site including, but not limited to, the installation of the protective cover and the excavation of the stormwater drainage swale.

Approved activity modifications (changes of work scope and/or schedule)

• Activity modifications are provided in the revised Remedial Work Plan Addendum dated 12/7/2015.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• No sampling or tests were conducted during this reporting period.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~75%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Not applicable.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period December 1, 2015 through December 31, 2015

Actions taken relative to the project during the reporting period:

- Revised Remedial Work Plan Addendum submitted to the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) on 12/7/2015 in response to NYSDEC's 11/20/2015 Comment Letter;
- Excavation for basin exit swale located downgradient of the existing facility stormwater basin completed on 12/7/2015;
- Asphalt cover installed on developed 1.68-acre portion of the BCP Site between 12/7/2015 and 12/8/2015;
- Data associated with Predesign Sampling submitted to the NYSDEC's Environmental Information Management System (EIMS) on 12/14/15 and 12/18/15;
- Stormwater Pollution Prevention Plan was revised and a Notice of Intent to initiate ground disturbance activities on the undeveloped 2.22-acre portion of the BCP Site submitted on 12/17/2015;
- Basin exit swale sample results submitted to NYSDEC and NYSDOH on 12/21/2015;
- Decision Document issued by NYSDEC on 12/31/2015; and
- Community Air Monitoring performed at BCP Site during soil disturbance activities.

Anticipated activities for next reporting period:

• Continue remedial activities at the Northeast Treaters BCP Site including, but not limited to, the installation of the protective cover over the undeveloped 2.22-acre portion of the BCP Site (including grading and berm). Basin exit swale is complete as of the date of this notice.

Approved activity modifications (changes of work scope and/or schedule)

• Not Applicable.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• Sample results associated with the basin exit swale excavation were submitted to the NYSDEC and NYSDOH on 12/21/2015.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• Waste generated during the demolition process removed from Site. Manifest available upon request.

Estimated percentage of project completion:

• ~90%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Not applicable.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period January 1, 2016 through January 31, 2016

Actions taken relative to the project during the reporting period:

- Grubbing and grading conducted on undeveloped, formerly wooded portion of the Brownfield Cleanup Program (BCP) Site. Impacted concrete and soil consolidated and aesthetic berm constructed in accordance with Remedial Work Plan Addendum dated December 7, 2015.
- Community Air Monitoring performed at BCP Site during soil disturbance activities.

Anticipated activities for next reporting period:

• Complete remedial activities at the Northeast Treaters BCP Site.

Approved activity modifications (changes of work scope and/or schedule)

• Not Applicable.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• No sampling or tests were conducted during this reporting period.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~93%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• Not applicable.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period February 1, 2016 through February 29, 2016

Actions taken relative to the project during the reporting period:

- Schedule of Activity for receipt of a Certificate of Completion submitted to the New York State Department of Environmental Conservation (NYSDEC) on 2/5/2016;
- Draft Site Management Plan and Settling Basin Closure Plan submitted to NYSDEC and the New York State Department of Health (NYSDOH) on 2/17/2016;
- "Request to Import Fill" form submitted to NYSDEC on 2/19/2016 to import subbase material for the Site's protective cover;
- Construction of new process building completed;
- Sampling of soil cover "imported" from the area north of the Brownfield Cleanup Program (BCP) Site was conducted by Sterling Environmental Engineering, P.C. (STERLING) on 2/23/2016;
- Installation of protective cover over formerly wooded portion of the BCP Site and construction of aesthetic/noise abatement berm were completed by BCI Construction, Inc. in accordance with Remedial Work Plan Addendum dated December 7, 201; and
- Weekly inspections conducted by STERLING in accordance with the Site Stormwater Pollution Prevention Plan.

Anticipated activities for next reporting period:

- Complete remedial activities at the Northeast Treaters BCP Site.
- Submit draft Final Engineering Report to NYSDEC and NYSDOH

Approved activity modifications (changes of work scope and/or schedule)

• Not Applicable.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• Soil samples representative of the approximate 700 cubic yards of native soil located adjacent to and north of the BCP Site were collected in accordance with DER-10 Section 5.4(e) on 2/23/2016 for use on the BCP Site as a protective cover over the aesthetic/noise abatement berm. The subject soil was excavated for the construction of a stormwater settling basin north of the BCP Site to support facility expansion and redevelopment. Sample results indicate that this soil is acceptable cover material pursuant to DER-10, and these data are provided as Attachment 1.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~98%

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• No citizen participation activities anticipated for the next reporting period. A Fact Sheet will be published upon issuance of the Certificate of Completion.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period March 1, 2016 through March 31, 2016

Actions taken relative to the project during the reporting period:

- Draft FER submitted to New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) on 3/2/2016;
- "Request to Import Fill" form submitted to NYSDEC on 3/3/2016 to import soil cover material from the area adjacent to the north boundary of the Brownfield Cleanup Program (BCP) Site;
- Letters of approval regarding Northeast Treaters' requests to import fill/soil issued by NYSDEC on 3/14/2016;
- Seeding and installation of erosion control mat associated with Site remediation and redevelopment activities completed by BCI Construction, Inc. between 3/28/2016 and 4/1/2016; and
- Weekly Site inspections conducted by STERLING in accordance with the Site Stormwater Pollution Prevention Plan.

Anticipated activities for next reporting period:

- Receive and address NYSDEC and NYSDOH comments on FER and Site Management Plan (SMP).
- Submit Revised FER and SMP addressing NYSDEC and NYSDOH comments.

Approved activity modifications (changes of work scope and/or schedule)

• Not Applicable.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• No sampling or tests were conducted during this reporting period.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~99%. Construction activities associated with Site remediation are considered complete.

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• No citizen participation activities anticipated for the next reporting period. A Fact Sheet will be published upon issuance of the Certificate of Completion.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period April 1, 2016 through April 30, 2016

Actions taken relative to the project during the reporting period:

- Monthly Stormwater Site inspections conducted by STERLING on 4/1/2016 in accordance with the Site Stormwater Pollution Prevention Plan;
- Comments on draft Site Management Plan (SMP) issued by New York State Department of Environmental Conservation (NYSDEC) on 4/12/2016; and
- Comments on draft Final Engineering Report (FER) issued by NYSDEC on 4/14/2016.

Anticipated activities for next reporting period:

- Address NYSDEC and New York State Department of Health (NYSDOH) comments on draft FER and SMP;
- Complete As-Built Survey and As-Built Drawings; and
- Submit revised draft FER and SMP addressing NYSDEC and NYSDOH comments.

Approved activity modifications (changes of work scope and/or schedule)

• Not Applicable.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• No sampling or tests were conducted during this reporting period.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~99%. Construction activities associated with Site remediation are considered complete.

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• No citizen participation activities anticipated for the next reporting period. A Fact Sheet will be published upon issuance of the Certificate of Completion.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period May 1, 2016 through May 31, 2016

Actions taken relative to the project during the reporting period:

• Monthly Stormwater Site inspection conducted by STERLING on 5/2/2016 in accordance with the Site Stormwater Pollution Prevention Plan.

Anticipated activities for next reporting period:

- Complete placement of asphalt cover over the northern and eastern portion of the Site;
- Complete As-Built Survey and As-Built Drawings; and
- Finalize and submit revised FER and SMP addressing NYSDEC and NYSDOH comments.

Approved activity modifications (changes of work scope and/or schedule)

• Not Applicable.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• No sampling or tests were conducted during this reporting period.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~99%. Construction activities associated with Site remediation are considered complete.

Unresolved delays encountered or anticipated that may affect the approved schedule:

• No unresolved delays were encountered during this reporting period.

If applicable, efforts made to mitigate such delays:

• Not applicable.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• No citizen participation activities anticipated for the next reporting period. A Fact Sheet will be published upon issuance of the Certificate of Completion.

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BCP Site #C420029 Northeast Treaters of New York, LLC Athens, New York

Reporting Period June 1, 2016 through June 30, 2016

Actions taken relative to the project during the reporting period:

- Monthly Stormwater Site inspection conducted by STERLING on 6/1/2016 in accordance with the Site Stormwater Pollution Prevention Plan;
- Placement of asphalt cover over the northern and eastern portion of the Site completed on 6/8/2016; and
- As-Built Survey map prepared on 6/9/2016.

Anticipated activities for next reporting period:

- Submit Brownfield Cleanup Area (BCA) Amendment Application to modify the boundaries of the Site;
- Revise As-Built Survey and As-Built Drawings to incorporate revisions to the BCA boundary;
- Submit Environmental Easement (EE) package; and
- Finalize and submit revised FER and SMP addressing NYSDEC and NYSDOH comments.

Approved activity modifications (changes of work scope and/or schedule)

• Not Applicable.

Results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, obtained in the previous reporting period (including quality assurance/quality control information):

• No sampling or tests were conducted during this reporting period.

Type and quantity of any waste removed from Site. Attach copy of manifest(s).

• No waste was removed from the Site during this reporting period.

Estimated percentage of project completion:

• ~99%. Construction activities associated with Site remediation are considered complete.

Unresolved delays encountered or anticipated that may affect the approved schedule:

• The As-Built Survey indicates the southern aesthetic berm extended approximately 27 feet beyond the eastern boundary of the defined BCA Site.

If applicable, efforts made to mitigate such delays:

• A BCA Amendment Application will be prepared to modify the defined BCA Site to include the entire footprint of the southern aesthetic berm.

Activities undertaken in support of the Citizen Participation Plan during the reporting period:

• No activities required or taken.

Anticipated activities undertaken in support of the Citizen Participation Plan for the next reporting period:

• No citizen participation activities anticipated for the next reporting period. A Fact Sheet will be published upon issuance of the Certificate of Completion.

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APPENDIX G

CAMP AIR MONITORING DATA (PROVIDED ON CD)

APPENDIX H

PHOTOGRAPH LOG



Photograph 1: The concrete drip pad was isolated using polyethylene sheeting and plywood. The drip pad was later sealed with an acrylic-based liquid polymer following excavation activities.



Photograph 2: Excavated impacted soil was stockpiled in designated areas on a layer of polyethylene sheeting.



Photograph 3: Designated impacted soil stockpile areas were located along eastern portion of the developed Site. Erosion and sediment control measures were established along the perimeter of the construction area.



Photograph 4: Potable water was used for dust control, as needed.



Photograph 5: Community Air Monitoring and Worker Breathing Zone Monitoring were conducted with three(3) DustTrak II Aerosol Monitors with audible and visual alarms. Breathing zone monitor shown.



Photograph 6: Worker exposure to impacted soil within excavation areas was limited by polyethylene sheeting and clean stone.



Photograph 7: Formwork for structural components was assembled within excavation areas.



Photograph 8: Polyethylene lined excavations were maintained throughout the building erection sequence.



Photograph 9: New industrial wood treatment cylinders were installed.



Photograph 10: Designated impacted soil stockpile area located in the northern, undeveloped portion of the Site, facing north.



Photograph 11: Designated concrete debris stockpile area located in the southern undeveloped portion of the Site, facing east.



Photograph 12: Construction road fabric was used as a demarcation layer beyond the footprint of the new process building and within the footprint of the Site.



Photograph 13: The undeveloped woodland area east of the new process building was cleared and grubbed to expand product storage capacity (photograph facing north).



Photograph 14: Excavated impacted soil was consolidated in the vicinity of the concrete debris stockpile area (photograph facing east). Stockpiles were covered with polyethylene sheeting at the end of daily activities.



Photograph 15: Consolidated impacted soil and stockpiled concrete debris were used to construct an aesthetic berm on the southernmost portion of the storage yard expansion area.



Photograph 16: Construction of the new process building was conducted concurrently with remedial activities. Asphalt paving is an integral part of the protective cover.



Photograph 17: Impacted soil and concrete comprising the aesthetic berm was encapsulated within an impermeable geomembrane. Recycled concrete aggregate obtained from a NYSDEC registered recycling facility and clean stone was placed over the storage yard expansion area.



Photograph 18: A minimum of one (1) foot of clean imported soil was placed over the aesthetic berm and above the impermeable geomembrane.



Photograph 19: Erosion control matting was placed over the one (1) foot soil cover of the noise abatement berm.



Photograph 20: A minimum of one (1) foot of clean imported riprap was placed between the original Northeast Treaters facility and the newly constructed expansion area. Photograph facing south.



Photograph 21: A new facility stormwater settling basin was constructed adjacent to and north of the Brownfield Cleanup Area Site as a component of the facility redevelopment project. Photograph facing north.



Photograph 22: The offsite drainage exit swale located south of the existing facility stormwater settling basin was modified during remedial activities.

APPENDIX I

REQUEST TO IMPORT FILL FORMS



<u>NEW YORK STATE</u> <u>DEPARTMENT OF ENVIRONMENTAL CONSERVATION</u>

Request to Import/Reuse Fill or Soil



This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable 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? Choose an item				
If greater than 1000 cubic yards will be imported, enter volume to be imported: +/- 6,075 CY				

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that would pass a size 80 sieve? yes

Is this virgin material from a permitted mine or quarry? no

Is this material recycled concrete or brick from a DEC registered processing facility? yes

SECTION 3 - SAMPLING

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

N/A

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

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

N/A

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:

Carver Sand & Gravel, LLC.

Location where fill was obtained:

Port of Coeymans

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

DEC Registration #01W12

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

Provide a list of supporting documentation included with this request:

Signature Mark Bacon Print Name BCI Construction, Inc Firm

2/18/16 Date



<u>NEW YORK STATE</u> <u>DEPARTMENT OF ENVIRONMENTAL CONSERVATION</u>

Request to Import/Reuse Fill or Soil



This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable 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? 800-1000			
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 would pass a size 80 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:

N/A

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

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

N/A

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:

A. Colarusso & Sons, Inc. supplier of crushed stone subbase to BCI Construction

Location where fill was obtained:

Colarusso Quarry, 91 Newman Rd. Hudson, NY

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

NYS DEC Mined Land Reclamation Permit ID: 4-1040-00034/00025

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

Provide a list of supporting documentation included with this request:

Mart Bacon Print Name

<u>2/18/16</u> Date

2070

ISCI	Construction, Enc.
	Firm



<u>NEW YORK STATE</u> 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). Use of this form is not a substitute for reading the applicable 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? 500-800				
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 would pass a size 80 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:

N/A

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

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

N/A

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:

A. Colarusso & Son Inc. supplier of crushed stone subbase to BCI Construction

Location where fill was obtained:

Colarusso Quarry 91 Newman Rd. Hudson NY

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

NYS DEC Mined Land Reclamation Permit ID: 4-1040-00034/00025

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

Provide a list of supporting documentation included with this request:

How box Signature

8/28/15

Date

Mark Bacon

Print Name

BCI Construction, Inc.

Firm



<u>NEW YORK STATE</u> 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). Use of this form is not a substitute for reading the applicable 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? 100-200				
If greater than 1000 cubic yards will be imported, enter volume to be imported: NA				

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 would pass a size 80 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:

NA

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

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

NA

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:

Halsted Excavating Corp., [NYSDEC Mine Permittee]

Location where fill was obtained:

Coxsackie, New York [Mine ID: 40744]

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

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

Permitted NYSDEC Mine (Shale Mine)

Provide a list of supporting documentation included with this request:

NA

Revised August 2014

<u>Signature</u>

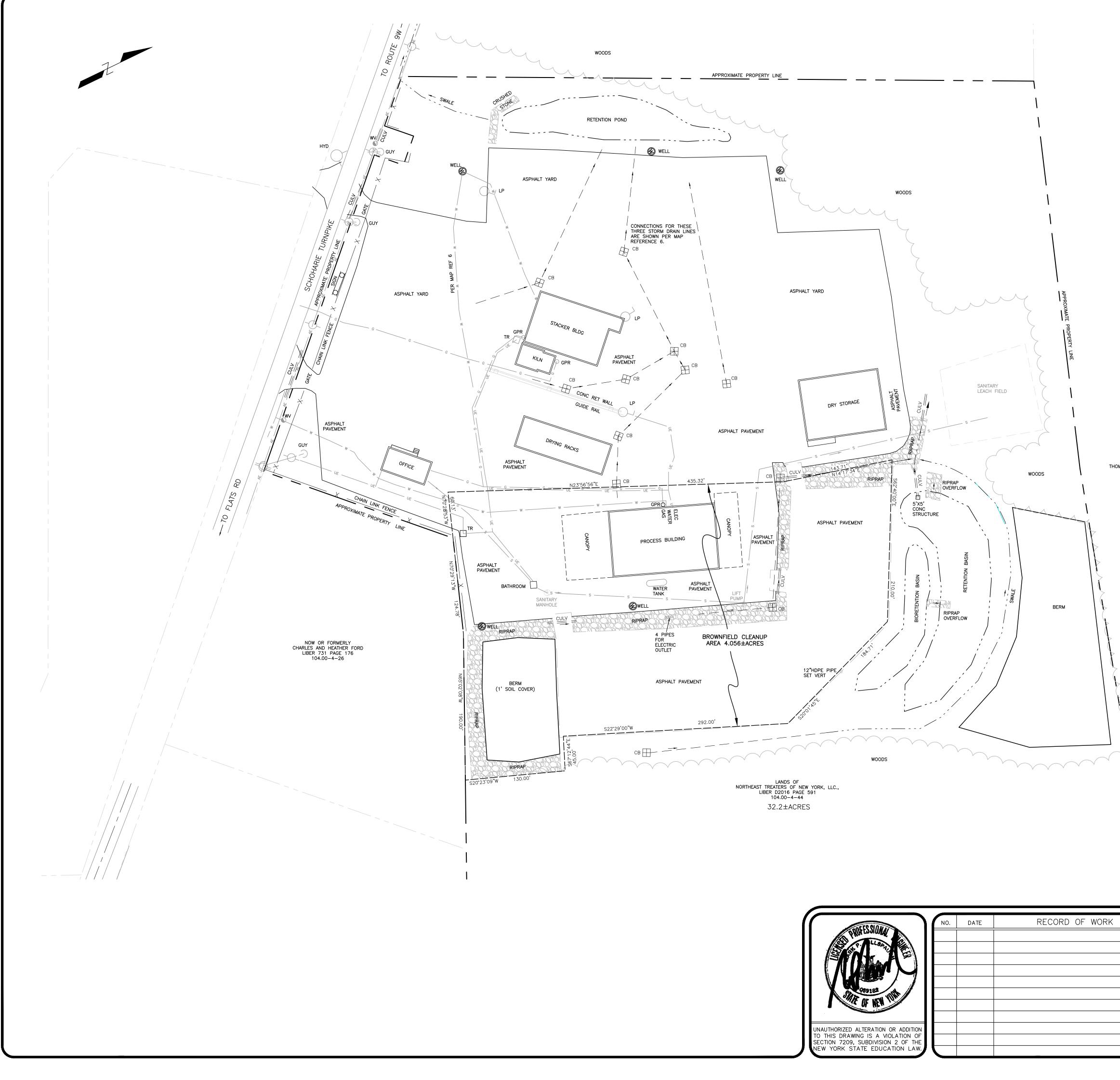
Date

1

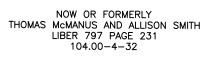
<u>Miderael G. CANET</u> Print Name <u>Mc Envilopmental Services</u>, Juc., Firm

APPENDIX J

AS-BUILT DRAWINGS



LEGEND		
UTILITY POLE	Ø	UP / 12872
GUY WIRE	*	
CATCH BASIN		СВ
WATER VALVE	\bigcirc	wv
LIGHT POLE	$\bigcirc \neg]$	LP
HYDRANT	\mathcal{O}	HYD
ELEC TRANSFORMER		TR
GAS PRESURE REDUCER	0	GPR
PROPERTY LINE		
SANITARY SEWER LINE -		— s ———
CULVERT =		
STORM DRAIN -		
CHAIN LINK FENCE -		— x ——
OVERHEAD WIRES -		AE
UNDERGROUND WIRES -		— UE ———
WATER LINE -		— w ——
GAS LINE -		G
WATER SUPPLY WELL	(\otimes



DRAWING REFERENCES:

SURVEY BY SANTO ASSOCIATES LAND SURVEYING AND ENGINEERING, P.C. DATED JULY 8, 2016. SURVEY REFERENCES:

- 1. "SURVEY AND MAP OF LANDS PROPERTY CONVEYED BY ERICH A. SCHUBERT & KARL O. NIE TO CROSS, AUSTIN & IRELAND LUMBER CO.", PREPARED BY FRANK AMBROSIO, DATED FEBRUARY 1975, AND FILED ON MAY 16, 1975 IN THE GREENE COUNTY CLERK'S OFFICE IN EASI-H 123-1098.
- 2. "SURVEY AND MAP OF LANDS OF DAVID HAZEN", PREPARED BY SANTO ASSOCIATES, P.C., DATED NOVEMBER 5, 1995, DRAWING NUMBER 3917.
- 3. "PROPOSED BOUNDARY LINE CHANGE BETWEEN TAX PARCELS 104.00-4-30 AND 104.00-4-40 PREPARED FOR NORTHEAST TREATERS, LLC", PREPARED BY OSTERTAG LAND SURVEYING, P.C., DATED MAY 27, 2015, AND REVISED THROUGH JULY 07, 2015, DRAWING NUMBER 5596.
- 4. "SURVEY AND MAP OF LANDS OF JERRY J. BUSH", PREPARED BY S. SANTO ASSOCIATES, DATED JANUARY 30, 1985 AND FILED ON MARCH 28, 1989 IN THE GREENE COUNTY CLERK'S OFFICE IN EASI-E 212-93.
- 5. "SKETCH PLAT PROPOSED SUBDIVISION AND MAP OF LANDS OF MARY VAN HOESEN", PREPARED BY SANTO ASSOCIATES, P.C., DATED DECEMBER 10, 1997 AND REVISED THROUGH DECEMBER 22, 1999, DRAWING NUMBER CG4273 AND FILED ON MAY 19, 2000 IN THE GREENE COUNTY CLERK'S OFFICE IN EASI-A 2000-47.
- 6. "PROPOSED TREATMENT BUILDING NORHTEAST TREATERS OF NEW YORK, LLC, 796 SCHOHARIE TURNPIKE, ATHENS, NY, SHEET C2 STORMWATER PLAN", PREPARED BY K A MARTIN ENGINEER, PLLC, DATED NOVEMBER 2013 AND REVISED THROUGH APRIL 18, 2014, PRO# 13-019.

DRN CKD APPR	PROJECT	REMEDIAL CONSTRUCTION		
	PROJ. ENGR.: MPM	AS BUILT DRAWING		
	PROJ. NO.: 2014-08	NORTHEAST TREATERS		
	PREPARED BY: TAS			
	DRAFTED BY: TAS	SCHOHARIE TURNPIKE		
	CHECKED BY:	TOWN OF ATHENS GREEN CO., NEW YORK		
	APPROVED BY:	SERLING		
	DATUM: NA			
	CONTOUR INTERVAL = NA FEET			
	0 15' 30' 60' 120'	Sterling Environmental Engineering, P.C. 24 Wade Road • Latham, New York 12110		
	▏▌▕▃▎▅▎▃▃▖▎▅▅▅▅▅┥▕▎			
	1" = 60'	DATE: 07/13/2016 SCALE: 1" = 60' DWG. NO. 2014-08104 SHEET 1 OF 1		