

**ATTACHMENT 1**

**DETAILED EXPLANATIONS FOR BROWNFIELD CLEANUP  
PROGRAM APPLICATION**

**Section I. Requestor Information**

New York State (NYS) Authorized Business – The Entity Information Report obtained from the NYS Department of State’s Division of Corporations and Business Entity Database is provided as Attachment 2.

**Section II. Property Information**

Tax Parcel Information – See Attachment 3 for Figures and Maps, and see Attachment 4 for additional property deed and tax information.

- 2) See Attachment 3 for Figures and Maps.
- 5) Property Description Narrative - Northeast Treaters of New York, LLC (hereinafter “Northeast Treaters”) operates a pressure treated wood manufacturing facility located on approximately 13 acres on the north side of the Schoharie Turnpike in the Town of Athens, New York. The facility was originally constructed in 1977.

The facility was originally a saw mill. Atlantic Wood Industries, Inc. (AWII) 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 (CCA). For a period of time, the facility utilized CCA to pressure treat wood products, however, the facility switched to a non-hazardous preservative in 2003.

The existing facility consists of three (3) main buildings: the Lumber Stacking Building, the Process Building, and the Maintenance Building. The proposed Brownfield Cleanup area is restricted to the easternmost portion of the subject property in the location of the Process Building, where wood is treated within an 80 foot long by 6 foot diameter treatment cylinder. The Process Building also houses four (4) aboveground tanks, consisting of three (3) 18,000 gallon working tanks and an additional 4,800 gallon tank. These tanks are used to store non-hazardous products used in the pressure treating process. The facility is also equipped with several petroleum bulk storage tanks.

- 6) No easements exist on the subject property.
- 7) List of permits issued by the New York State Department of Environmental Conservation (NYSDEC) or United States Environmental Protection Agency (USEPA) relating to the subject property:

<u>Permit</u>	<u>Issuing Agency</u>	<u>Permit ID Number</u>	<u>Status</u>
Chemical Bulk Storage	NYSDEC	4-000073	Unreg./Closed
Petroleum Bulk Storage	NYSDEC	4-075647	Active
Multi-Sector General Permit	NYSDEC	NYR00B991	Active

Additionally, the facility has the status of an active Conditionally Exempt Small Quantity Generator (CESQG) (USEPA Permit # NYD095240610).

### **Section III. Current Property Owner/Operator Information**

No Explanations Necessary.

### **Section IV. Requestor Eligibility Information**

No Explanations Necessary.

### **Section V. Property Eligibility Information**

- 2) The subject property can be found in the NYSDEC Environmental Site Remediation Database under site code **420029** and is associated with the Potential Resource Conservation Recovery Act (RCRA) Corrective Action classification code (abbreviated **PR**). This is a specialty classification code that is not related to the NYS Registry of Inactive Hazardous Waste Disposal Sites. This classification code is used for subject property as the property is subject to the requirements of RCRA pursuant to the CESQG permit associated with the subject property. The classification indicates the site is to be investigated and reviewed to determine if RCRA corrective action is necessary.

### **Section VI. Project Description**

The owner seeks to modernize the existing plant while maintaining the current facility use in order to remain competitive, energy-efficient and current with today's health and safety standards. In order to implement the upgrade, the owner must construct a new building and associated spread footers with frost walls and piers. In order to construct spread footers with frost walls and piers, the owner must remove a portion of the existing concrete drip pad.

The key elements/improvements associated with the proposed facility modernization include:

- In-place capping of a 30 ft. by 57 ft. (1,710 square feet) northern section of the existing drip pad with asphalt pavement.
- Constructing a new 88 ft. x 200 ft. drip pad over the remaining portion of the existing drip pad.
- Constructing a new 88 ft. x 200 ft. building (Process Building) over the entire new drip pad.
- Installing modern, efficient pressure treating equipment over a steel containment structure.
- Consolidating existing bulk storage activities in the Process Building inside an improved secondary containment structure.
- Constructing a new 32 ft. x 50 ft. office outside the defined Brownfield Cleanup area to replace the existing offices.
- Limited site grading in the immediate vicinity of the Process Building.
- Implementing a plan to manage stormwater during the construction process.

A detailed project schedule is provided as Attachment 5.

## Section VII. Property's Environmental History

- 1) The site has been extensively studied by NYSDEC, USEPA and the former site owner. These studies include: (a) a 1989 "corrective action prior to loss of interim status" (CAPT LOIS) inspection prepared by A.T. Kearney under contract with USEPA; (b) a 1993 preliminary RCRA facility assessment prepared by TRC under contract with USEPA; and (c) a report entitled *Modified Phase I Environmental Site Assessment and Compliance Audit* dated December 1995 prepared by Groundwater Technology, Inc. at the request of AWII for Northeast Treaters (hereinafter "Phase I Site Assessment"). The Phase I Site Assessment, prepared utilizing American Society for Testing and Materials: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527), provides a summary of environmental conditions and includes the results of surficial soil sampling at various locations, as well as the installation of borings to a depth of 13-22 feet. Samples were analyzed for total copper, total chromium, total arsenic, TCLP copper, TCLP chromium and TCLP arsenic.

Surface soils at the site were found to be impacted to varying degree. The Phase I Site Assessment concluded that "In the opinion of Groundwater Technology, based upon our extensive knowledge of environmental conditions at wood preservation facilities, the results of the analyses performed should not be considered to be of environmental concern."

The Phase I Site Assessment also notes a spill of approximately three (3) pounds of arsenic pentoxide occurred on May 2, 1990. The cleanup was completed under NYSDEC oversight. By letter dated August 21, 1990, the NYSDEC determined the cleanup was complete.

Of perhaps greater note, as a follow-up to the 1989 CAPT LOIS report, investigations of the site were conducted in 1997 and 1999. The first investigation focused on the area around the sump while the second evaluated broader site conditions. The latter investigation was conducted by KU Resources, Inc. pursuant to a work plan approved by NYSDEC. The final report, entitled *Report of Findings Sampling Visit Work Plan Implementation* dated April 1999 (hereinafter "KU Resources Report") provides a description of the sampling and reported analytical results. The sampling conducted by KU Resources focused on:

- CCA Solution Recycle Sump (south sump)
- Treating Cylinder Pit (north sump)
- Drip Pad
- Former Underground Tank

Background sampling was also performed. The KU Resources Report observes that the drip pad is compliant with RCRA Subpart W. The sampling results were interpreted to indicate no evidence of continuing releases. However, certain locations were observed with concentrations consistent with incidental drippage through routine handling of treated lumber and CCA. The report further concludes that the observed CCA in soil is not mobile due to the substantial thickness of natural, low permeability clay unit beneath the gravel fill at the surface. NYSDEC's review of the 1999 investigation and report is summarized by the NYSDEC in a June 13, 2000 letter which concludes the RCRA facility assessment determined that no RCRA corrective action was required and the owner/operator have met all obligations under the RCRA Corrective Action Program. Pursuant to the letter, residual contamination at the property is to be addressed by a closure program implemented at cessation of operations.

On June 23, 2014, Sterling Environmental Engineering, P.C. (STERLING) conducted focused sampling of the existing concrete drip pad and subsurface soils associated with the Northeast Treaters facility. The findings of this sampling investigation was summarized in the *Sampling for Chromium and Arsenic in Drip Pad Concrete and Subsoils* report and incorporated into the *Drip Pad Work Plan*, May 16, 2014 and revised September 3, 2014.

The results of the sample investigation can be interpreted to conclude that, during potential facility upgrades, portions of the concrete to be removed from the existing drip pad will be managed as a hazardous waste and must also be treated to meet the Universal Treatment Standards (UTS) to achieve compliance with the Land Disposal Restrictions (LDRs) prior to land disposal. Additionally, soils from beneath and adjacent to the drip pad removed during construction will be managed as non-hazardous solid waste, unless otherwise beneficially used within the Area of Concern.

All previous environmental reports associated with the subject property may be found in Attachment 6.

- 2) Sample data discussed in STERLING's *Sampling for Chromium and Arsenic in Drip Pad Concrete and Subsoils* report and *Drip Pad Work Plan* are summarized in Tables 1-3.

Sample data discussed in the KU Resources Report are summarized in Tables 4 and 5.

A statistical evaluation of the sample data discussed in the Phase I Assessment is summarized in Table 6.

The complete analytical reports associated with these summary tables are provided as Attachment 7. Note the analytical report associated with the Phase I Assessment is unavailable; however, sample data is provided within the Phase I assessment Report contained in Attachment 6.

**Table 1: Concrete Sample Results - TCLP Metals**  
**Northeast Treaters**  
**June 23, 2014**

<b>Parameter</b>	<b>Arsenic (mg/L)</b>		<b>Chromium (mg/L)</b>	
<b>Debris Rule / Universal Treatment Standard</b>	5		0.6	
<b>Sample</b>				
C-1A	0.0062	J B	<b>5.7</b>	B
C-1B	0.015	J B	<b>5.3</b>	B
C-1C	0.034	J B	<b>0.83</b>	B
C-2A	0.0054	J B	0.14	J B
C-2B	0.0069	J B	0.058	J B
C-2C	0.0073	J	0.077	J B
C-3A	0.0058	J B	<b>4.3</b>	B
C-3B	0.0060	J B	0.25	J B
C-3C	0.013	J B	<b>0.88</b>	B
C-4A	0.0063	J B	<b>6.9</b>	B
C-4B	0.013	J B	0.073	J B
C-4C	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 2: Soil Sample Results - TCLP Metals**  
**Northeast Treaters**  
**June 23, 2014**

<b>Parameter</b>	<b>Arsenic (mg/L)</b>		<b>Chromium (mg/L)</b>	
<b>Contained-in Determination Level</b>	50		6	
<b>Sample</b>				
S-1A	0.85	B	0.054	J B
S-1B	0.059	J B	0.080	J B
S-1C	0.0077	J B	0.0084	J B
S-1D	0.019	J B	0.0073	J B
S-1E	0.010	J B	0.0069	J B
S-2A	0.011	J B	0.0068	J B
S-2B	0.0078	J B	0.0072	J B
S-2C	0.0094	J B	0.0067	J B
S-2D	0.0075	J B	0.014	J B
S-2E	0.0068	J B	0.0064	J B
S-3A	0.011	J B	0.018	J B
S-3B	0.0047	J B	0.0074	J B
S-3C	0.0062	J B	0.0066	J B
S-3D	0.0083	J B	0.0074	J B
S-3E	0.0095	J B	0.0086	J B
S-4A	0.016	J B	0.0077	J B
S-4B	0.25	J B	0.032	J B
S-4C	0.17	J B	0.010	J B
S-4D	0.21	J B	0.013	J B
S-4E	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.

**Table 3: Soil Sample Results - Total Recoverable Metals  
Northeast Treaters  
June 23, 2014**

<b>Parameter</b>	<b>Arsenic (mg/kg)</b>	<b>Chromium (mg/kg)</b>
<b>Restricted Use Soil Cleanup Objectives</b>	Commerical/Industrial: 16	(Hexavalent/Trivalent) Commercial: 400/1,500 Industrial: 800/6,800
<b>Sample</b>		
S-1A	<b>1430</b>	1060
S-1B	<b>95.3</b>	316
S-1C	6.7	20.6
S-1D	<b>17.1</b>	37.3
S-1E	9.2	25.6
S-2A	<b>26.0</b>	11.7
S-2B	10.1	20.8
S-2C	8.0	17.3
S-2D	7.2	17.3
S-2E	8.4	16.7
S-3A	<b>56.8</b>	76.5
S-3B	7.5	24.9
S-3C	9.0	29.8
S-3D	6.7	19.9
S-3E	7.0	22.9
S-4A	<b>78.0</b>	55.0
S-4B	<b>39.7</b>	66.8
S-4C	<b>53.2</b>	46.2
S-4D	<b>64.1</b>	40.7
S-4E	<b>52.6</b>	47.3

**Bold** indicates Commercial Use Soil Cleanup Objective (SCO) exceedance



**Table 4: Analytical Results Results  
Northeast Treaters  
November 1998  
(Obtained from KU Resources Report)**

Location	Depth Interval (ft.)	Soil Material	Arsenic (mg/kg)	Total Chromium (mg/kg)	Hexavalent Chromium (mg/kg)
<b>Background</b>					
C-B	3.5 - 4.0	Clay	6.6	29	<2.5
<b>South Sump</b>					
C-5	4.5 - 5.5	Fill	7.5	39.9	<2.4
C-7	6.5 - 7.0	Fill	70.9	46.5	<2.2
C-7	7.0 - 7.5	Clay	10.6	41.8	<2.6
C-9	7.0 - 7.5	Fill	50.9	29.8	<2.1
C-9	7.5 - 8.0	Clay	6.7	36.9	<2.6
<b>North Sump</b>					
C-4	6.25 - 6.5	Fill	246	155	10
C-4	7.0 - 7.5	Clay	6.2	40.5	3.4
C-14	1.5 - 2.0	Fill	911	120	30.5
C-14	2.0 - 2.5	Clay	23.8	48.8	<2.6
C-10	7.0 - 7.5	Fill	404	312	42
C-10	7.5 - 8.0	Clay	21.3	348	4.3
<b>Drip Pad</b>					
C-11	2.5 - 3.0	Fill	74.1	21.4	<2.1
C-11	3.0 - 3.5	Clay	10.8	42.8	<2.5
C-15	2.5 - 3.0	Fill	75	28.3	3.4
C-15	3.0 - 3.5	Clay	8.5	40.8	<2.5
C-12	2.0 - 2.5	Fill	9.2	730	<2.1
C-12	2.5 - 3.0	Clay	41.7	108	<2.5
C-13	1.5 - 2.0	Fill	71.7	84.7	3.8
C-13	2.0 - 2.5	Clay	6.9	32.8	<2.5
<b>Underground Tank</b>					
C-1	14.5 - 15.5	Fill	5.4	22.3	<2.5
C-1	15.5 - 16.0	Clay	8.6	34.2	<2.8
C-2	4.5 - 5.0	Fill	192	229	17.6
C-2	5.0 - 5.5	Clay	28.6	79.1	<2.6
C-3	4.25 - 4.5	Fill	662	580	21.6
C-3	4.5 - 5.25	Clay	22.1	47	<2.7
C-6	13.5 - 14.0	Fill	16	41.9	<2.4
C-6	14.0 - 14.5	Clay	8.5	42.5	<2.7
C-8	6.0 - 6.5	Fill	25.2	99	3.5
C-8	6.5 - 7.0	Clay	9.5	36.4	<2.7

**Table 5: Summary of Soil Boring Sample Results**  
**Northeast Treaters**  
**October 1995**  
(Obtained from KU Resources Report)

	<b>BK-1</b>	<b>B-3</b>	<b>B-4</b>	<b>B-5</b>	<b>B-2</b>	<b>B-1</b>	<b>B-9</b>	<b>B-7</b>	<b>B-6</b>	<b>B-8</b>
<b>Arsenic</b>	<b>&lt; 2.85</b>	<b>&lt; 2.9</b>	<b>&lt; 2.88</b>	<b>&lt; 2.82</b>	<b>&lt; 2.87</b>	<b>&lt; 2.87</b>	<b>&lt;3.25</b>	<b>&lt; 2.95</b>	<b>&lt; 2.95</b>	<b>&lt; 2.86</b>
<b>Chromium</b>	<b>24</b>	<b>25.9</b>	<b>29</b>	<b>23.8</b>	<b>28.6</b>	<b>25.5</b>	<b>24.5</b>	<b>27.5</b>	<b>32.7</b>	<b>42.3</b>
<b>Hexavalent Chromium</b>	<b>&lt; 4.98</b>	<b>&lt; 5.23</b>	<b>&lt; 5.37</b>	<b>&lt; 5.26</b>	<b>&lt;5.47</b>	<b>&lt; 5.16</b>	<b>&lt; 5.27</b>	<b>&lt; 5.24</b>	<b>&lt; 5.18</b>	<b>&lt; 4.9</b>

(All Table 5 results in mg/kg)

**Table 6: Statistical Evaluation of Soil Data**  
**Comparison of Soil Metals Concentrations to Site Background**  
**Northeast Treaters**  
**June 1997**  
(Obtained from Phase I Assessment)

	<b>Background</b>	<b>Site</b>	<b>t</b>	<b>Significance</b>
<b>Arsenic</b>	<b>4.6 (0.4)</b>	<b>16.1 (26.6)</b>	<b>0.60</b>	<b>NS</b>
<b>Chromium</b>	<b>33.0 (1.2)</b>	<b>32.1 (16.9)</b>	<b>-0.07</b>	<b>NS</b>
<b>Copper</b>	<b>33.0 (1.2)</b>	<b>26.6 (6.3)</b>	<b>-1.39</b>	<b>NS</b>

Values represent mean (standard deviation)

t-statistic compared to t (0.95, 23) = 1.714 concentrations are greater than background if t-statistic is greater than t (0.95, 23)

NS - Not Significant

- 3) A review of the subject property's environmental history suggests that the property was extensively utilized as a wood treatment facility since it was initially developed in the mid-1970s. CCA was the primary preservative solution utilized by the facility until 2003 when the facility switched to a non-hazardous preservative. As such, CCA is the only suspected and known contaminant.
  
- 4) A review of the subject property's environmental history suggests that the property was extensively utilized as a wood treatment facility since it was initially developed in the mid-1970s. CCA was the primary preservative solution utilized by the facility until 2003 when the facility switched to a non-hazardous preservative. As such, there is reason to believe that contamination resulted from routine industrial handling of CCA and incidental spills and discharges associated with facility operations.

- 5) The property was extensively utilized as an industrial scale wood treatment facility since it was initially developed in the mid-1970s. For additional information refer to the Modified Phase I Report, dated December 1995, prepared by Groundwater Technology, Inc. and provided in Attachment 6.
- 6) Previous Owners: It is estimated that industrial activities at the subject property began in the mid-1970's when the subject property was transferred to Cross, Austin, & Ireland Lumber Co. by Erich A. Schubert & Karl O. Nie (no contact information available). The Modified Phase I suggests that the facility was built by Koppers Company, Inc. (contact info provided below). The subject property was acquired by AWII in 1978. Northeast Treaters obtained ownership of the subject property in January 1996 (see Attachment 4 for the Ownership Card associated with the subject property).

**Facility Constructed By:**

Koppers, Inc. (Formerly Koppers Company, Inc.)  
436 Seventh Avenue  
Pittsburgh, Pennsylvania 15219  
Phone: (412) 227-2001  
(Requestor's Relationship: None)

**Owner and Operator between 1975 and 1978:**

Cross, Austin, and Ireland Lumber Company (Defunct)  
1246 Grand Street  
Brooklyn, New York 11211  
Phone: Unavailable  
(Requestor's Relationship: None)

**Owner and Operator between 1978 and 1996:**

Atlantic Wood Industries, Inc.  
P.O. Box 1608  
Savannah, Georgia, 31402  
Phone: (912) 964-1234  
(Requestor's Relationship: None)

Note, Cox Industries, Inc. completed an asset purchase of AWII's wood treating plants and related operations in July 2012. Contact information for Cox Industries, Inc. is as follows:

Cox Industries, Inc.  
860 Cannon Bridge Road  
Orangeburg, South Carolina 29115  
Phone: (803) 534-7467  
(Requestor's Relationship: None)

**Section VIII. Contact List Information/Site Contact List (SCL)**

1) Greene County: Shaun S. Groden  
County Administrator  
411 Main Street  
Catskill, New York 12414

Warren Hart  
Director of Economic Development, Tourism & Planning  
411 Main Street  
Catskill, New York 12414

Town of Athens: Joseph Iraci  
Town Supervisor  
2 First Street  
Athens, New York 12052

Hal Brodie  
Town Planning Board Chairman & Member  
2 First Street  
Athens, New York 12052

2) Site Property:

Tax ID: 104.00-4-30

Property Address: 796 Schoharie Turnpike  
Athens, New York 12015

Owner: Northeast Treaters of New York, LLC.  
796 Schoharie Turnpike, Athens, New York 12015

Occupants: Industrial Property/Owner Occupied

Adjacent Property to the North:

Tax ID: 104.00-4-32

Property Address: 243 Flats Road  
Athens, New York, 12015

Owners: Thomas Mc Manus and Allison Smith  
243 Flats Road, Athens, New York 12015

Occupants: Owner Occupied

Adjacent Property to the East:

Tax ID: 104.00-4-40  
Property Address: 722 Schoharie Turnpike  
Athens, New York 12015  
Owners: David Hazen and Belkis Hazen  
722 Schoharie Turnpike, Athens, New York 12015  
Occupants: Owner Occupied

Adjacent Property to the Southeast:

Tax ID: 104.00-4-26  
Property Address: 770 Schoharie Turnpike  
Athens, New York 12015  
Owners: Charles Ford and Heather Ford  
80 East Maple Ave, Suffern, New York 10901  
Occupants: Commercial Property (listed for sale)

Adjacent Property to the South:

Tax ID: 104.00-4-27.1  
Property Address: 749 Schoharie Turnpike  
Athens, New York 12015  
Owners: Greene County IDA  
270 Mansion Street, Coxsackie, New York 12051  
Occupants: Industrial Property/Owner Occupied

Adjacent Property to the Southwest:

Tax ID: 104.00-4-27.2  
Property Address: 763 Schoharie Turnpike  
Athens, New York 12015  
Owners: Greene County IDA  
270 Mansion Street, Coxsackie, New York 12051  
Occupants: Industrial Property/Owner Occupied

Adjacent Property to the West:

Tax ID: 104.00-4-39

Property Address: 296 Route 28  
Athens, New York 12015

Owners: Central Hudson Gas & Electric  
284 South Avenue, Poughkeepsie, New York 12602

Occupants: Vacant

- 3) Local news media: Register-Star  
1 Hudson City Centre  
Suite 202  
Hudson, NY 12534  
Phone: (518) 828-1616  
Email: [editorial@registerstar.com](mailto:editorial@registerstar.com)
- 4) Public Water Supply: Athens Village (PWS ID: 1900024)  
Mayor Christian Pfister and Village Board  
2 First Street  
Athens, NY 12015  
E-Mail: [christianp@mhccable.com](mailto:christianp@mhccable.com)
- 5) No person has requested to date to be placed on the contact list.
- 6) No school or day care facility is located within one (1) mile of the project site.
- 7) Not applicable.
- 8) Repository:

Ms. Bonnie Snyder  
Library Director  
D.R. Evarts Library  
80 Second Street  
Athens, New York 12015

See Attachment 8 for a copy of the letter submitted to the D.R. Evarts Library acknowledging that it agrees to act as the document repository for the subject property.

## Section IX. Land Use Factors

- 1) The subject property is zoned and currently used as industrial.

Wood product is currently treated within an 80 foot long by 6 foot diameter treatment cylinder in the Process Building. The cylinder is filled with a non-hazardous preservative solution and a vacuum is created to draw solution into the wood. After treatment under pressure, a vacuum in the cylinder extracts excess solution from the wood. After being removed from the cylinder, the wood is stacked in the Process Building.

The drip pad, including the concrete floor under the treatment cylinder, drains to a concrete sump. The entire existing drip pad is contained within the building. Sumps, located at each end of the treatment tube, collect excess solution from the treatment process and from the drip pad for recycling back into the wood treatment process. The sumps are constructed of concrete and are approximately 8 feet by 8 feet by 3 feet deep.

- 2) The intended use of the subject property is industrial for wood product treatment.
- 3) Yes. Also see answer to #14 below.
- 4) Yes. The Greene County Existing Land Use Map (see Attachment 3), dated June 2007, recognizes the past and current industrial use of the subject property. The post remediation property use is not proposed to change. The site is currently used for industry, is zoned for industrial use, and plans on continuing to be utilized for industrial purposes (see Attachment 9) after remediation.
- 5) Yes. Chapter Seven (7), *Industrial Sites and Facilities*, of the Greene County Comprehensive Economic Development Plan, dated July 2007, discusses a plan to establish an Industrial Park in Athens at and around the location of the subject property (see bottom of page 7-8 of Attachment 9).
- 6) No, there are no environmental justice concerns (see Attachment 10).
- 7) The subject property is designated as an Empire Zone [economic development zone] by New York State's Empire State Development (see the County's Tax Map provided in Attachment 3).
- 8) Yes. Also note the estimated Greene County population decreased slightly in 2012 – 2013.
- 9) Yes. The subject property is within one (1) mile from access to U.S. Route 9W, and is served by public water, electrical, and natural gas services. The facility currently utilizes an onsite septic system. Chapter Seven (7), *Industrial Sites and Facilities*, of the Greene County Comprehensive Economic Development Plan (see Attachment 9), dated July 2007, suggests there is a future potential to extend the municipal sewer system to serve the industrial park population of Athens where the Northeast Treaters Facility is located. Rail lines are located approximately 750 feet to the west of the subject property.
- 10) Yes, see map in Attachment 11. The map shows a half-mile buffer (dashed red line) around the subject property; NYS Office of Parks, Recreation and Historic Preservation (OPRHP) archaeological sensitivity buffer areas (hashed lines with goldenrod border); and geocoded built resources in NYS OPRHP's inventory (black, red, and green squares). Note, the exact location of recorded archaeologic resources is not provided due to the sensitivity of these sites, and a buffer

distance of one-tenth mile to a half-mile is applied to each recorded archaeological resource depending on site classification. Below is a list of NYS OPRHP archaeological sensitive buffer areas within a half-mile of the property:

USN #	Name	Type
03902.000007	POSSIBLE MOUND SITE, 2 LOCATIONS, SM#432	Precontact
03902.000222	ATHENS COMPRESSOR-ATHENS AIRSTRIP SITE (LOCI 1-16)	Precontact
03902.000282	Peckham Locus 1 Precontact Site	Precontact
03902.000283	Peckham Locus 2 Precontact Site	Precontact

No other known cultural resources are located within a half-mile of the site.

- 11) Yes. The site is located within a half-mile of Federal and State regulated Wetlands (Wetland No. HN-108; see Attachment 12). Further, the NYSDEC Nature Explorer tool indicates that the Stiff-Leaf Goldenrod, a flowering plant species, may be observed to the west of the project site. The Stiff-Leaf Goldenrod is listed as threatened in New York State, however, it is not listed Federally. Additional information regarding the Stiff-Leaf Goldenrod is provided as Attachment 12. No other important natural resources, including wildlife refuges and/or critical habitats, are located within a half-mile of the project site.
- 12) No. The subject property is not located within a half-mile of a floodplain. The subject property is mapped on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Number 36039C0287F. The area surrounding the subject property is mapped on FEMA FIRM Numbers 36039C0288F, 36039C0289F, and 36039CIND0A. FEMA FIRM Maps are provided as Attachment 13.
- 13) No institutional controls are applicable to the subject property.
- 14) Industrial sites adjacent to the property are located to the south and southwest. One Commercial site is located adjacent to the property to the southeast. Two (2) adjacent sites, located to the north and east of the subject property, are zoned residential. The adjacent site located to the west of the subject property is currently vacant. General land use within a half-mile of the subject property consists of a combination of industrial, commercial, residential, vacant, agricultural, and public services (see the *Existing Land Use Map* provided within Attachment 3). Note, sites adjacent to the subject property located to the east, north, west, southwest, and south are designated Empire Zones (see the County Tax Map provided in Attachment 3).
- 15) There are no known wellhead protection areas or groundwater recharge areas in the vicinity of the subject property [Source: Jane Thapa, Public Health Engineer at the New York State Department of Health; Tel. (518) 402-7711].
- 16) The geography and geology is summarized as follows:

The subject property slopes slightly towards the west as the easternmost portion of the property is located at an elevation of approximately 140 feet above mean sea level (amsl) and the westernmost portion of the property is located at an elevation of approximately 130 feet amsl. The surrounding topography located a half-mile to the north, south, and west of the subject property is relatively flat



and is at an elevation between 130 and 150 feet amsl. The area located a half-mile to the east of the subject property is at an elevation of approximately 200 feet amsl and slopes west towards the subject property.

The nearest surface water, a tributary to Murderers Creek, is located approximately 1,000 feet to the north of the subject property. Murderers Creek, a regulated Class C waterbody, is located approximately 1.6 miles to the north of the subject property and flows towards Sleepy Hollow Lake, located approximately 1.6 miles to the east of the subject property.

The geology of the site consists of Covington and Madalin soils to the west and Kingsbury and Rhinebeck soils to the east. The soils are derived from glaciolacustrine deposits and may be described as poorly drained with varying transmissivities. A complete Soil Resource Report obtained from the United States Department of Agriculture's Web Soil Survey is provided as Attachment 14.

#### **Section X. Statement of Certification and Signatures**

No Explanations Necessary.

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