

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9662 • Fax: (518) 402-9679
Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

Transmitted via: Email

October 15, 2010

Scanned & eDocketed

Mr. Richard P. Brownell, VP
Malcolm Pirnie, Inc.
104 Corporate Part Drive, Box 751
White Plains, NY 10602

Re: Westchester Colprovia; Site ID: 360018
April 29, 2010 Sub-Slab Depressurization System (SSDS) Installation and Testing Report

Dear Mr. Brownell:

The New York State Departments of Environmental Conservation and Health (Department and NYSDOH) have reviewed your above-referenced letter report. Based on that review, we understand that the negative pressure generated by the system is more than adequate to prevent soil vapor intrusion and that Peckham Industries received all the necessary permits/approvals through the Westchester County Department of Health. The report will be considered complete and acceptable upon our receipt of the manufacturer's cut sheets/specifications for the equipment installed (e.g., blowers). Additionally, consistent with the Department's May 1, 2009 letter, please provide a Site Management Plan (SMP) using the Department's attached MS Word template, which includes operation, monitoring and maintenance (OM&M) activities that will be performed, as well as periodic review and certification requirements. Regarding specific OM&M reporting frequencies, please submit reports on the SSDS operations every 18 months. A periodic certification report will be required every 5 years.

Based on the four rounds of post-remediation groundwater sampling performed in 2002-03, as well as the sampling round performed in February 2008, no further groundwater monitoring is required by the Department and NYSDOH, and the remaining on-site monitoring wells may be properly abandoned in accordance with the attached CP-43: Groundwater Monitoring Well Decommissioning Policy. In addition, based on the October 5, 2010 email from Bruce Nelson of your firm, the Department and NYSDOH understand that the facility indicated that the production well water is used for the restroom, sprinklers for dust control, etc. It is connected to sinks, but they do not drink the water; bottled water is used as the potable water source. The manufacturing process does not use any water.


New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau E, 12th Floor
625 Broadway, Albany, New York 12233-7017
Phone: (518) 402-9814 • FAX: (518) 402-9819
Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

MEMORANDUM

TO: Sal Ervolina, Assistant Director, Division of Environmental Remediation

FROM: Robert Schick, Director, Remedial Bureau C, NYSDEC 

SUBJECT: Soil Vapor Intrusion Evaluation Determination
Investigation Complete - Actions Recommended
Legacy Site: Westchester Colprovia, Site No. 360018

DATE: March 8, 2010

NYSDEC Program Policy DER-13 states that soil vapor intrusion evaluations will be completed at all remedial sites with known or likely subsurface volatile organic chemical (VOC) contamination where remedial decisions were made prior to January 1, 2003. This memorandum documents that a soil vapor intrusion (SVI) investigation has been completed at the subject legacy site in accordance with Program Policy DER-13 and the state's "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (NYSDOH, 2006). A summary of the SVI investigation findings is provided in the text box below.

SVI Investigation Complete Determination

Based on the results of the investigation, the Department, in consultation with the NYSDOH, has concluded that potential soil vapor intrusion pathways on- and off-site have been evaluated and:

Appropriate actions to address on-site and off-site exposures related to soil vapor intrusion have been identified and the areal extent of the SVI investigation area has been determined.

On-site exposures related to soil vapor intrusion are being addressed through one or more institutional or engineering controls. No actions are needed to address off-site exposures.

Actions to Address Exposures Related to Soil Vapor Intrusion

The following interventions (institutional/engineering controls) have been, or will be, implemented:

Additional Information

Prior to the ROD being issued in 1999 with a No Further Action determination, IRMs for a groundwater pump and treat system with an air stripper and a soil vapor extraction system with air sparging were implemented. As indicated in the March 1999 ROD, these systems were shut down in December 1993 and early 1997, respectively, because "no significant sources of contamination remained" in the treatment areas. The most recent round of groundwater data from February 2008 indicated TCE concentrations ranging from ND-3.5 ug/L in the four remaining on-site wells. The ROD did not require deed restrictions. The only institutional control (IC) required per the ROD was biannual groundwater monitoring for a period of not less than 2 years. As indicated above, an IC in the form of a Site Management Plan will also be imposed. The ROD also stated that the site would be reclassified from 2 to 4; this has not yet been done.

Concurrence/Signatures

EDWARD MOORE, REGIONAL REMEDIATION ENGINEER



Date 3/8/10

Edward Moore, RRE
Region 3
New York State Department of Environmental Conservation

DEPARTMENT OF HEALTH



Date 3/4/10

Mark Van Valkenburg, Section Chief
Southern Section, Bureau of Environmental Exposure Investigation
New York State Department of Health

ecc: D. Desnoyers
(w/att) R. Knizek
W. Wertz
J. Schreyer
J. Brown
N. Walz - NYSDOH
E. Hausamann
K. Anders - NYSDOH

40 Hamilton Lane
Glenmont, NY 12077
E-mail: jboomhower@epsofvermont.com



PHONE: (518) 465-4000
Fax: (518) 465-5722
1-800-5-SPILLS

National Grid
Environmental Department
300 Erie Blvd West
Syracuse, NY 13202
Attn: Steven Stucker

03/07/11

Seneca St Schenectady, NY - Gate Relocation Project

(Summary of EPSofVT, Inc activities during the Seneca St Gate relocation project)

12/02/10: EPSofVT, Inc personnel on site to start the excavating / drilling for the new fence posts to be set by Anvil Fence. Two particulate meters on site zeroed. The two meters were then set up on opposite ends of the work area. Meters are set on the east and west sides of the existing gate location. Background readings were taken prior to start of work. (East side had a background of 0.019mcg/m³. West side had background of 0.026mcg/m³). EPSofVT, Inc personnel proceeded to drill out approximately 10 of the holes marked out by Anvil Fence personnel. Soils and debris removed from the holes moved to the east side and staged on poly sheeting. During the course of the day, there were no increases in particulates above the action level of 100mcg/m³ above background. Some slight increase in particulates as the cutter went thru the blacktop, but nothing sustained for more than a minute or so.

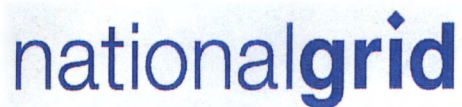
12/03/10: EPSofVT, Inc personnel back on site. Both particulate meters zeroed prior to the start of work activities. Both meters set in same locations as the prior day. Background readings taken are: (East side 0.032mcg/m³ and West side 0.044mcg/m³). Completing the drilling of the remaining holes required for fence posts / bollards. EPSofVT, Inc personnel complete with drilling at approximately 0930. Water removed from the existing open holes with small pump and placed into 55gal drums. EPSofVT, Inc generated approximately 120gals placed into 3 drums. Sample collected of the water. Concrete truck on site at approximately 1030 and Anvil Fence personnel setting the fence posts and bollards. All the posts and bollards are set in place by 1200. No particulate readings recorded above the action level of 100mcg/m³ above background. EPSofVT, Inc personnel off site at 1230 hrs.

12/04/10: EPSofVT, Inc personnel back on site. Both particulate meters zeroed prior to the start of work. Both meters placed in the same locations as the prior days. Background readings collected prior to start of work activities. (East at 0.015mcg/m³ and West at 0.008mcg/m³). EPSofVT, Inc personnel will be cutting thru the existing blacktop and digging out a trench for the electricians to allow them to set their conduit. As EPSofVT, Inc personnel started to saw cut the blacktop, there was an increase of the particulates



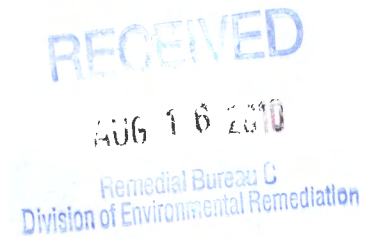
Soil Management Plan

**Seneca St
Schenectady, NY**



Steven P. Stucker, P.G.
Lead Engineer

August 10, 2010



Mr. Robin Hackett
Project Manager
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7011

Re: National Grid NM Seneca St. – Schenectady MGP (447025)
Periodic Review Report [Reporting Period – May 23, 2007 to August 31, 2010]

Dear Mr. Hackett:

Enclosed for your review is the Periodic Review Report (PRR) for the National Grid NM Seneca St. Schenectady MGP Site (Site No. 447025). The enclosed CD includes an electronic copy of the PRR.

If you have any questions, then please feel free to contact me at 315.428.5652.

Very truly yours,

for SPS

Steven P. Stucker, P.G.
Lead Engineer
National Grid

Enclosures

Cc: Robert Schick, Bureau Director – NYSDEC (w/ enclosures)
Keith Goetz, Hazardous Waste Remediation Engineer – NYSDEC Region 4 (w/ enclosures)
Gary Litwin – DOH (w/enclosures)
Matt Millias – CDM (w/ enclosures)

I. Introduction

- A. **Brief Site Summary** - The Seneca St. Schenectady Manufactured Gas Plant Site (the site) is located on a 5-acre parcel in Schenectady, NY (refer to Figure 1-1 Site Location Map). From 1930 to 1960, the site was owned by the New York Power and Light Corporation and then the Niagara Mohawk Corporation and operated as a MGP facility. In 1961, the MGP holder was decommissioned and removed.

In June 1998, Niagara Mohawk initiated a preliminary site assessment/interim remedial measures (PSA/IRM) study. Based on the study findings, Niagara Mohawk implemented an IRM in October 2001 and completed the IRM in December 2002. The IRM Report was submitted to the NYSDEC in February 2003. In March 2003, NYSDEC issued a Record of Decision (ROD) for the site. The ROD recommended "No Action" with Institutional Controls and Engineering Controls (IC/EC). In addition, the remedy requires that restrictive language be included in the deed.

Niagara Mohawk (now National Grid) as Owner of the site prepared a Modified Declaration of Covenants and Restrictions as a means to include the required restrictive language in the deed. National Grid also prepared facility health and safety information to support implementation of the NYSDEC requirements. On behalf of National Grid, Tetra Tech FW, Inc. prepared a Holder Area Management Plan (HAMP) in November 2004 for specific application to the site. The purpose of the HAMP is to identify the required controls and to provide guidance for their implementation under the ROD. This document is also referred to as the Institutional/Engineering Control (IC/EC) Plan.

- B. **Remedial Program Effectiveness** – During the reporting period (May 23, 2007 to August 31, 2010), the remedial objectives were met for the site.
- C. **Remedial Program Compliance** - The major elements within the IC/EC Plan are in compliance. Refer to the attached quarterly site inspection forms.
- D. **Remedial Program Recommendations** - It is recommended that no changes be made to the IC/EC Plan. It is recommended that the PRR submittal frequency (every 3 years) remain the same. The next PRR submittal deadline would be September 1, 2013.

II. Site Overview

- A. **Site Location and Boundaries** - The site is located on Seneca Street in Schenectady, NY. The site houses an active National Grid energy distribution and maintenance service center. The southern portion of the site serves as a training center. The site is in a mixed commercial, industrial, and residential area bordered by vacant lands to the south, a railroad right-of-way (ROW) and municipal property to the east, a railroad ROW and commercial properties to the west and Seneca Street to the north. The site boundary is entirely enclosed with a 6-ft high chain link fence that is in good condition

and the site has one main entrance at the north end that is secured with a rolling gate. There is a metal garage building in place in the northern portion of the site. A brick maintenance and operations building is in use in the central portion of the site. A modular training building and field training facility is in use in the southern portion of the site.

- B. **Remedy Features** - In October 2001, the IRM was initiated at the site for the primary purpose of removing non-aqueous phase liquid (NAPL) impacted materials. During the IRM, MGP-impacts were encountered around the perimeter of the holder ring wall, and these impacts were trace to tar leakage from perimeter tar re-circulation piping and unsealed anchor bolts sleeves. As the impacts were discovered, the IRM scope was adjusted to address the conditions. Portions of the holder ring wall, footing and tar wells were demolished during the work, dewatering was performed as necessary, and soil excavation was extended outward from the circumference of the holder structure to remove NAPL-impacted materials.

Approximately 20% of the eastern portion of the holder ring wall and associated structures were found to reside beneath the concrete slab of an existing metal garage building. This portion of the ring wall was left in place beneath this building. The excavation and soil removal were advanced as close to the edge of the foundation as was feasible. A Liquid Boot™ sprayed-on liner system was then installed on the soil slope face adjacent to the edge of the foundation, and the liner system and soil slope face were covered with compacted clean fill and left in place. During the remediation work 8,323 tons of impacted soil and solid sludge, 366 tons of debris, and 23,439 gallons of dewatering fluids and liquid sludge were removed from the Site in accordance with the rules that govern this activity.

After removal, the soil and debris removal area was backfilled with certified clean bank run sand that was compacted in lifts with a vibratory roller. Adjacent asphalt paved areas were saw-cut to obtain clean, fresh pavement cut-faces, and loose asphalt was removed from the site as debris in accordance with the rules that govern this activity. The former holder area was then re-graded to facilitate stormwater drainage to the western border of the Site. Geotextile fabric was placed, sub-base material was placed and rolled, and the northwest sector of the Site (including the entire remedial excavation area) was paved up against the existing asphalt cut-faces and to the boundaries of the removal area with an asphalt cap. When restoration work was completed the entire area overlying the former holder foundation and removal area had been covered with new or existing asphalt or concrete pavement. The IRM was completed in December 2002.

III. Evaluate Remedy Performance, Effectiveness and Protectiveness

- A. The site buildings, perimeter fence, asphalt cap, surveyed monuments, and erosion control features have been inspected quarterly within the reporting period. Refer to the enclosed Inspection Reports. Based on the site inspections, the remedy performance has been effective in protecting facility workers and the public.

- B. Per Section 4.4 of the 2004 HAMP, the Metal Garage Building remains as an equipment storage garage, its qualified usage. The facilities manager, Mr. Andrew Blaszkow, has confirmed that the building is not being utilized as office space (email dated 8/4/10).

IV. IC/EC Plan Compliance Report

A. IC/EC Requirements and Compliance

1. IC/EC Controls

- Building Use Restrictions – Site buildings used for National Grid service functions only.
- Ground Water Use Restrictions – No use of ground water has been permitted.
- Land Use Restrictions – Land used for National Grid service functions only.
- HAMP – Soil below asphalt cap has not used for any purpose.
- Cover System – Asphalt Cap is in good conditions and meets the intent of the ROD which is to protect workers and the public from contact with the soils/groundwater below.
- Subsurface Barriers – Concrete circular perimeter wall remains intact and serves the intended purpose.

2. **IC/EC Goals** - Each goal is being met and/or working effectively.

3. **IC/EC Corrective Measures** – No deficiencies were noted during the quarterly inspections.

4. **IC/EC Conclusions/Recommendations** – The program is in compliance and there are no recommendations at this time.

B. **IC/EC Certification** – Refer to the attached Enclosure 1 for the certification.

V. Monitoring Plan Compliance Report - Not Applicable

VI. Operation & Maintenance (O&M) Plan Compliance Report - Not Applicable

VII. Overall PRR Conclusions and Recommendations

A. Compliance with HAMP

1. **Requirements** - All IC/EC Plan requirements were met during this reporting period.
2. **Exposure Pathways** – There are no new completed exposure pathways resulting in unacceptable risk.
3. **Proposed Plans and Schedule to Meet Compliance** – No plan proposed.

B. **Performance and Effectiveness of the Remedy** – The remedy as described by the ROD and executed by National Grid has been effective in meeting the program goals.

Periodic Review Report – NM Seneca St. Schenectady MGP (447025)
Reporting Period – May 23, 2007 to August 31, 2010

- C. Future PRR Submittals** – The frequency of PRR Submittals should remain at 3 years. Therefore, the next PRR submittal deadline will be September 1, 2013.

VIII. Additional Guidance - Not Needed



Enclosure 1
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. 447025

Site Name NM - Seneca St. - Schenectady MGP

Site Address: 308 Seneca St **Zip Code:** 12308-
City/Town: Schenectady
County: Schenectady
Allowable Use(s) (if applicable, does not address local zoning):
Site Acreage: 5.0
Owner: Steve Stucker, P.G. - Lead Engineer
300 Erie Blvd, Syracuse, NY 13202

Reporting Period: May 23, 2007 - to August 31, 2010

Verification of Site Details

Box 2

- | | YES | NO |
|--|-------------------------------------|---|
| 1. Is the information in Box 1 correct? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| If NO, are changes handwritten above or included on a separate sheet? | <input checked="" type="checkbox"/> | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| If YES, is documentation or evidence that documentation has been previously submitted included with this certification? | <input type="checkbox"/> | |
| 3. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| If YES, is documentation (or evidence that documentation has been previously submitted) included with this certification? | <input type="checkbox"/> | |
| 4. If use of the site is restricted, is the current use of the site consistent with those restrictions? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| If NO, is an explanation included with this certification? | <input type="checkbox"/> | |
| 5. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? | <input type="checkbox"/> | <div style="border: 1px solid black; padding: 2px;">N/A</div> |
| If YES, is the new information or evidence that new information has been previously submitted included with this Certification? | <input type="checkbox"/> | |
| 6. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years)? | <input type="checkbox"/> | <div style="border: 1px solid black; padding: 2px;">N/A</div> |
| If NO, are changes in the assessment included with this certification? | <input type="checkbox"/> | |

SITE NO. 447025

Box 3

Description of Institutional Controls

Parcel

Institutional Control

S_B_L Image: 39.42-1-3

Building Use Restriction
Ground Water Use Restriction
Landuse Restriction
Soil Management Plan

Box 4

Description of Engineering Controls

Parcel

Engineering Control

S_B_L Image: 39.42-1-3

Cover System
Subsurface Barriers

Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable.
(See instructions)

Control Description for Site No. 447025

Parcel: 39.42-1-3

Institutional and engineering controls are required to limit future site development and prevent future exposures to site contaminants. These include: (a) a prohibition of land development for residential use, only appropriate commercial or industrial use will be allowed; (b) worker notification if utility or other excavation work was planned; (c) notification to the NYSDEC prior to any action which could jeopardize the integrity of the remedy; (d) development and approval of a soil management plan (SMP) for operation and maintenance of the site to address how any contaminated soil or waste removed from below the cap or building is to be handled; (e) an assessment of indoor air quality will be required should the use of the existing building change from its current use as an equipment storage garage; and, (f) prohibition of the development of water supply wells.

In addition, language will be included in the deed to require Niagara Mohawk or any future property owner to complete the excavation of contaminated soil from beneath and adjacent to the building if the building is demolished or removed in the future. Appropriate industrial or commercial uses of the property will have to be consistent with any applicable zoning ordinances, but will not include any enterprises that draw susceptible portions of the community to the properties for activities that may lead to exposures to residual site contamination (e.g. day care, child care, medical treatment facilities, some recreational enterprises). Annual certification will be required to ensure that engineering and institutional controls included in the remedy are in place and remain effective to control the identified exposures.

Modified Declarations of Covenants and Restrictions signed 1/11/07.

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO



2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

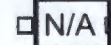
YES NO



3. If this site has an Operation and Maintenance (O&M) Plan (or equivalent as required in the Decision Document);

I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as required in the Decision Document) are being met.

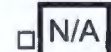
YES NO



4. If this site has a Monitoring Plan (or equivalent as required in the remedy selection document);

I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent as required in the Decision Document) is being met.

YES NO



IC CERTIFICATIONS
SITE NO. 447025

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Matthew D. Millias at 1 General Motors Drive, Syracuse, NY 13206
print name print business address

am certifying as National Grid (Owner or Remedial Party)

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

Matthew D. Millias
Signature of Owner or Remedial Party Rendering Certification

8/6/2010
Date

IC/EC CERTIFICATIONS

Box 7

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

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

I Matthew D. Millias at 1 General Motors Drive, Syracuse, NY 13206
print name print business address

am certifying as a Qualified Environmental Professional for the National Grid

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

Matthew D. Millias
Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification



8/6/2010
Date



SITE LOCATION



Niagara Mohawk, A National Grid Company
Maintenance and Distribution Facility
300 Seneca Street
Schenectady, New York 12308

Niagara Mohawk

A National Grid Company



FIGURE 1-1
SITE LOCATION MAP

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 6/8/2010
 Technician: Beaumont

Time: 15:00
 Weather: Cloudy 65°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD FAIR DAMAGED		
Monument - 2	PRESENT	MISSING	COMMENTS:
Condition of Monument - 2	GOOD FAIR DAMAGED		
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD FAIR DAMAGED		
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD FAIR DAMAGED		

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD FAIR DAMAGED		
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD FAIR DAMAGED		

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE MINOR SIGNIFICANT		COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 3/9/2010
 Technician: Beaumont

Time: 16:30
 Weather: Sunny 45°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD FAIR DAMAGED		
Monument - 2	PRESENT	MISSING	COMMENTS:
Condition of Monument - 2	GOOD FAIR DAMAGED		
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD FAIR DAMAGED		
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD FAIR DAMAGED		

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD FAIR DAMAGED		
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD FAIR DAMAGED		

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE MINOR SIGNIFICANT		COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 12/1/2009
 Technician: Beaumont

Time: 8:30
 Weather: Cloudy 35°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED
Monument - 2	PRESENT	MISSING	COMMENTS:
Condition of Monument - 2	GOOD	FAIR	DAMAGED
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 9/14/2009
 Technician: Beaumont

Time: 8:30
 Weather: Partly Sunny 65°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED
Monument - 2	PRESENT	MISSING	COMMENTS:
Condition of Monument - 2	GOOD	FAIR	DAMAGED
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.
 Contractor on site (Premier?) looks like possible dumping of soil from vac unit.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 6/9/2009
 Technician: Beaumont

Time: 7:30
 Weather: Rain 55°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED
Monument - 2	PRESENT	MISSING	COMMENTS:
Condition of Monument - 2	GOOD	FAIR	DAMAGED
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED
Inside metal building concrete intact	YES	NO	COMMENTS: The building was locked and unable to inspect.
Condition of area	GOOD	FAIR	DAMAGED

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 3/3/2009
 Technician: Beaumont

Time: 14:00
 Weather: Partly Sunny 25°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED
Monument - 2	PRESENT	MISSING	COMMENTS: Under snow pile.
Condition of Monument - 2	GOOD	FAIR	DAMAGED
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED
Inside metal building concrete intact	YES	NO	COMMENTS: The building was locked and unable to inspect.
Condition of area	GOOD	FAIR	DAMAGED

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 12/15/2008
 Technician: Beaumont

Time: 9:00
 Weather: Partly Cloudy 45°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR DAMAGED	
Monument - 2	PRESENT	MISSING	COMMENTS:
Condition of Monument - 2	GOOD	FAIR DAMAGED	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR DAMAGED	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR DAMAGED	

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR DAMAGED	
Inside metal building concrete intact	YES	NO	COMMENTS: The building was locked and unable to inspect.
Condition of area	GOOD	FAIR DAMAGED	

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR SIGNIFICANT	COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 9/11/2008
 Technician: Beaumont

Time: 9:15
 Weather: Partly Sunny 55°

Area Boundary Controls				
Monument - 1	PRESENT		MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED	
Monument - 2	PRESENT		MISSING	COMMENTS:
Condition of Monument - 2	GOOD	FAIR	DAMAGED	
Monument - 3	PRESENT		MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED	
Monument - 4	PRESENT		MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED	

Former Holder Area				
Area covered with asphalt or crushed stone	YES		NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED	
Inside metal building concrete intact	YES		NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED	

Miscellaneous				
Evidence of Trespassing	NO		YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 6/16/2008
 Technician: Beaumont

Time: 9:30
 Weather: Partly Sunny 60°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED
Monument - 2	PRESENT	MISSING	COMMENTS:
Condition of Monument - 2	GOOD	FAIR	DAMAGED
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Keeping an eye on the asphalt cracks at the seams of the excavation.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 3/11/2008
 Technician: Beaumont

Time: 12:30
 Weather: Partly Sunny 35°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Under plowed snow bank, area secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous

Evidence of Trespassing	NO		YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

Significant amount of snow piled up around perimeter from the plowing of the parking lot.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 1/9/2007
 Technician: Beaumont

Time: 10:30
 Weather: Partly Sunny 55°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS: Under plowed snow bank, area secure.
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Under plowed snow bank, area secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS: Under plowed snow bank, area secure.
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area

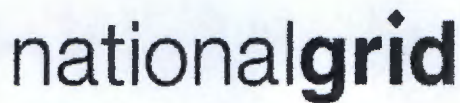
Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Debris	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Significant amount of snow piled up around perimeter from the plowing of the parking lot.



Steven P. Stucker, C. P.G.
Lead Environmental Engineer

September 29, 2016

Mr. Scott Deyette
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, NY 12233-7014

Re: National Grid NM Seneca St. – Schenectady MGP (447025)
Periodic Review Report [Reporting Period – September 1, 2013 – September 30, 2016]

Dear Mr. Deyette:

Enclosed for your review is the Periodic Review Report (PRR) for the National Grid NM Seneca St. Schenectady MGP Site (Site No. 447025). The enclosed CD includes an electronic copy.

The following site related items were of note from the period September 1, 2010 to September 3, 2013:

- In December 2013, it was discovered that Monument #4 was inadvertently covered by new asphalt. The monument was exposed and found to be intact on the September 2014 inspection date.

If you have any questions, please feel free to contact me at 315.428.5652.

Very truly yours,

Steven P. Stucker, C.P.G.
Lead Environmental Engineer
National Grid

Enclosures

Cc: James Quinn, Hazardous Waste Remediation Engineer – NYSDEC Region 4
Steve Plansker – National Grid
Mark Boorady – GES

RECEIVED

SEP 30 2016

Remedial Bureau C
Div of Environmental Remediation

I. Introduction

- A. **Brief Site Summary** - The Seneca St. Schenectady Manufactured Gas Plant Site (the site) is located on a 5-acre parcel in Schenectady, NY (refer to Figure 1-1 Site Location Map). From 1930 to 1960, the site was owned by the New York Power and Light Corporation and then the Niagara Mohawk Corporation and operated as a MGP facility. In 1961, the MGP holder was decommissioned and removed.

In June 1998, Niagara Mohawk initiated a preliminary site assessment/interim remedial measures (PSA/IRM) study. Based on the study findings, Niagara Mohawk implemented an IRM in October 2001 and completed the IRM in December 2002. The IRM Report was submitted to the NYSDEC in February 2003. In March 2003, NYSDEC issued a Record of Decision (ROD) for the site. The ROD recommended "No Action" with Institutional Controls and Engineering Controls (IC/EC). In addition, the remedy requires that restrictive language be included in the deed.

Niagara Mohawk (now National Grid) as Owner of the site prepared a Modified Declaration of Covenants and Restrictions as a means to include the required restrictive language in the deed. National Grid also prepared facility health and safety information to support implementation of the NYSDEC requirements. On behalf of National Grid, Tetra Tech FW, Inc. prepared a Holder Area Management Plan (HAMP) in November 2004 for specific application to the site. The purpose of the HAMP is to identify the required controls and to provide guidance for their implementation under the ROD. This document is also referred to as the Institutional/Engineering Control (IC/EC) Plan.

- B. **Remedial Program Effectiveness** – During the reporting period (September 1, 2013 to September 30, 2016), the remedial objectives were met for the site.
- C. **Remedial Program Compliance** - The major elements within the IC/EC Plan are in compliance. Refer to the attached quarterly site inspection forms.
- D. **Remedial Program Recommendations** - It is recommended that no changes be made to the IC/EC Plan. It is recommended that the PRR submittal frequency (every 3 years) remain the same. The next PRR submittal deadline would be September 30, 2019.

II. Site Overview

- A. **Site Location and Boundaries** - The site is located on Seneca Street in Schenectady, NY. The site houses an active National Grid energy distribution and maintenance service center. The southern portion of the site serves as a training center. The site is in a mixed commercial, industrial, and residential area bordered by vacant lands to the south, a railroad right-of-way (ROW) and municipal property to the east, a railroad ROW and commercial properties to the west and Seneca Street to the north. The site boundary is entirely enclosed with a 6-ft high chain link fence that is in good condition

and the site has one main entrance at the north end that is secured with a rolling gate. There is a metal garage building in place in the northern portion of the site. A brick maintenance and operations building is in use in the central portion of the site. A modular training building and field training facility is in use in the southern portion of the site.

- B. Remedy Features** - In October 2001, the IRM was initiated at the site for the primary purpose of removing non-aqueous phase liquid (NAPL) impacted materials. During the IRM, MGP-impacts were encountered around the perimeter of the holder ring wall, and these impacts were trace to tar leakage from perimeter tar re-circulation piping and unsealed anchor bolts sleeves. As the impacts were discovered, the IRM scope was adjusted to address the conditions. Portions of the holder ring wall, footing and tar wells were demolished during the work, dewatering was performed as necessary, and soil excavation was extended outward from the circumference of the holder structure to remove NAPL-impacted materials.

Approximately 20% of the eastern portion of the holder ring wall and associated structures were found to reside beneath the concrete slab of an existing metal garage building. This portion of the ring wall was left in place beneath this building. The excavation and soil removal were advanced as close to the edge of the foundation as was feasible. A Liquid Boot™ sprayed-on liner system was then installed on the soil slope face adjacent to the edge of the foundation, and the liner system and soil slope face were covered with compacted clean fill and left in place. During the remediation work 8,323 tons of impacted soil and solid sludge, 366 tons of debris, and 23,439 gallons of dewatering fluids and liquid sludge were removed from the Site in accordance with the rules that govern this activity.

After removal, the soil and debris removal area was backfilled with certified clean bank run sand that was compacted in lifts with a vibratory roller. Adjacent asphalt paved areas were saw-cut to obtain clean, fresh pavement cut-faces, and loose asphalt was removed from the site as debris in accordance with the rules that govern this activity. The former holder area was then re-graded to facilitate stormwater drainage to the western border of the Site. Geotextile fabric was placed, sub-base material was placed and rolled, and the northwest sector of the Site (including the entire remedial excavation area) was paved up against the existing asphalt cut-faces and to the boundaries of the removal area with an asphalt cap. When restoration work was completed the entire area overlying the former holder foundation and removal area had been covered with new or existing asphalt or concrete pavement. The IRM was completed in December 2002.

III. Evaluate Remedy Performance, Effectiveness and Protectiveness

- A.** The site buildings, perimeter fence, asphalt cap, surveyed monuments, and erosion control features have been inspected quarterly within the reporting period. Refer to the enclosed Inspection Reports and Photographic Log. Based on the site inspections, the remedy performance has been effective in protecting facility workers and the public.

Periodic Review Report – NM Seneca St. Schenectady MGP (447025)

Reporting Period – September 1, 2013 to September 30, 2016

- B. Per Section 4.4 of the 2004 HAMP, the Metal Garage Building remains as an equipment storage garage, its qualified usage. The facilities manager, Mr. Andrew Blaszkow, has confirmed that the building is not being utilized as office space (email dated 8/4/10).

IV. IC/EC Plan Compliance Report

A. IC/EC Requirements and Compliance

1. IC/EC Controls

- Building Use Restrictions – Site buildings used for National Grid service functions only.
- Ground Water Use Restrictions – No use of ground water has been permitted.
- Land Use Restrictions – Land used for National Grid service functions only.
- HAMP – Soil below asphalt cap has not been used for any purpose.
- Cover System – Asphalt Cap is in good conditions and meets the intent of the ROD which is to protect workers and the public from contact with the soils/groundwater below. It should be noted that in December 2013, Monument 4 was found to be missing and likely beneath new asphalt. The monument was uncovered and restored by September 2014.
- Subsurface Barriers – Concrete circular perimeter wall remains intact and serves the intended purpose.

2. IC/EC Goals - Each goal is being met and/or working effectively.

3. IC/EC Corrective Measures – No deficiencies were noted during the quarterly inspections.

4. IC/EC Conclusions/Recommendations – The program is in compliance and there are no recommendations at this time.

B. IC/EC Certification – Refer to the attached Enclosure 1 for the certification.

V. Monitoring Plan Compliance Report - Not Applicable

VI. Operation & Maintenance (O&M) Plan Compliance Report - Not Applicable

VII. Overall PRR Conclusions and Recommendations

A. Compliance with HAMP

- 1. Requirements - All IC/EC Plan requirements were met during this reporting period.**
- 2. Exposure Pathways – There are no new completed exposure pathways resulting in unacceptable risk. Asphalt cap cracks are monitored and filled/sealed as needed.**
- 3. Proposed Plans and Schedule to Meet Compliance – No plan proposed.**

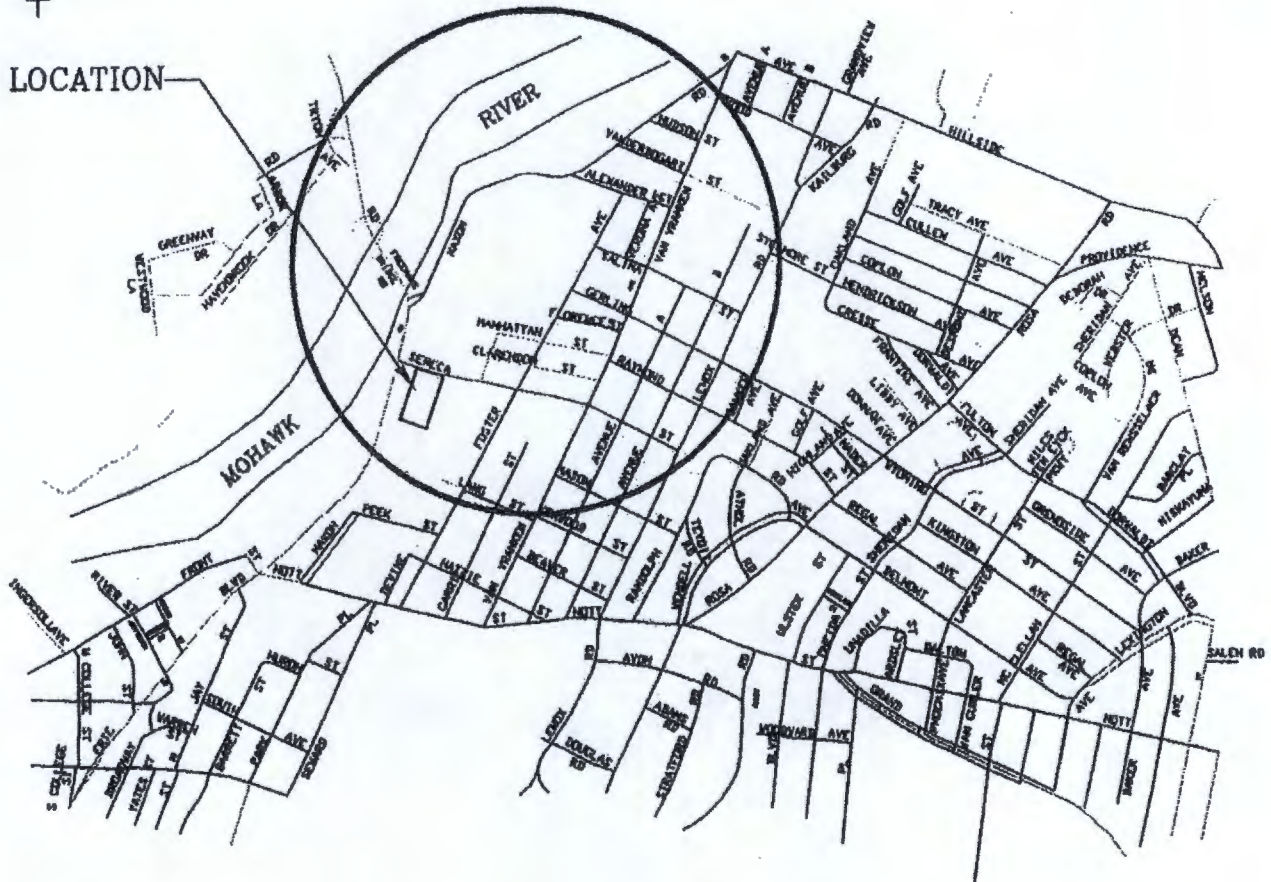
Periodic Review Report – NM Seneca St. Schenectady MGP (447025)
Reporting Period – September 1, 2013 to September 30, 2016

- B. Performance and Effectiveness of the Remedy** – The remedy as described by the ROD and executed by National Grid has been effective in meeting the program goals.
- C. Future PRR Submittals** – The frequency of PRR Submittals should remain at 3 years. Therefore, the next PRR submittal deadline will be September 30, 2019.

VIII. Additional Guidance - Not Needed



SITE LOCATION



Niagara Mohawk, A National Grid Company
Maintenance and Distribution Facility
300 Seneca Street
Schenectady, New York 12308

Niagara Mohawk

A National Grid Company



FIGURE 1-1
SITE LOCATION MAP



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



Site No. 447025	Site Details	Box 1
 Site Name NM - Seneca St. - Schenectady MGP		
Site Address: 308 Seneca St	Zip Code: 12308-	
City/Town: Schenectady		
County: Schenectady		
Site Acreage: 1.2		
 Reporting Period: September 01, 2013 to September 01, 2016		
		YES NO
1. Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Box 2
	YES NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	<input checked="" type="checkbox"/> <input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?	<input checked="" type="checkbox"/> <input type="checkbox"/>

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 447025

Box 3

Description of Institutional Controls

Parcel

Owner

Institutional Control

39.42-1-3

National Grid

**Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction**

Pursuant to deed restriction.

IC: (a) a prohibition of land development for residential use, only appropriate commercial or industrial use will be allowed; (b) development and approval of a soil management plan (SMP) for operation and maintenance of the site to address how any contaminated soil or waste removed from below the cap or building is to be handled; (c) worker notification if utility or other excavation work was planned; (d) notification to the NYSDEC prior to any action which could jeopardize the integrity of the remedy; (e) an assessment of indoor air quality will be required should the use of the existing building change from its current use as an equipment storage garage; (f) complete contaminated soil removal if building is removed; and, (g) prohibition of the development of water supply wells.

Description of Engineering Controls

Box 4

Parcel

Engineering Control

39.42-1-3

**Cover System
Subsurface Barriers**

EC: Maintain the engineered capping and containment controls.

Annual certification will be required to ensure that engineering and institutional controls included in the remedy are in place and remain effective to control the identified exposures.

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES NO

☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 447025

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I MARK A BOORANY, PE at GES, INC. 5 TECHNOLOGY PLACE, EAST SYRACUSE, NY
print name print business address 13057

am certifying as NATIONAL GRID (Owner or Remedial Party)

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

M. Boorany
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

9/29/16
Date

IC/EC CERTIFICATIONS

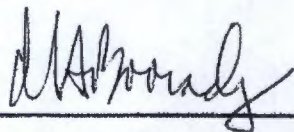
Box 7

Qualified Environmental Professional Signature

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

I, MAH A BOOZANY, PE at GES, INC.
print name 5 TECHNOLOGY PLACE, EAST SYRACUSE, NY
print business address 13057

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



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



Stamp
(Required for PE)

9/29/16
Date

NO ALTERATION PERMITTED HEREON EXCEPT AS
PROVIDED UNDER ARTICLE 145 SECTION 7209
SUBDIVISION 2 OF THE NEW YORK STATE
EDUCATION LAW.

Enclosure 3
Periodic Review Report (PRR) General Guidance

- I. **Executive Summary: (1/2-page or less)**
 - A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
 - B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
 1. progress made during the reporting period toward meeting the remedial objectives for the site
 2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
 - C. Compliance
 1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
 2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
 - D. Recommendations
 1. recommend whether any changes to the SMP are needed
 2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
 3. recommend whether the requirements for discontinuing site management have been met.
- II. **Site Overview (one page or less)**
 - A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
 - B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.
- III. **Evaluate Remedy Performance, Effectiveness, and Protectiveness**

Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations should be presented simply and concisely.
- IV. **IC/EC Plan Compliance Report (if applicable)**
 - A. IC/EC Requirements and Compliance
 1. Describe each control, its objective, and how performance of the control is evaluated.
 2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
 3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
 4. Conclusions and recommendations for changes.
 - B. IC/EC Certification
 1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).
- V. **Monitoring Plan Compliance Report (if applicable)**
 - A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
 - B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
 - C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
 - D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
 - E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.
- VI. **Operation & Maintenance (O&M) Plan Compliance Report (if applicable)**
 - A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
 - B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
 - C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluate the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

- D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.
- E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

- A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
 - 1. whether all requirements of each plan were met during the reporting period
 - 2. any requirements not met
 - 3. proposed plans and a schedule for coming into full compliance.
- B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.
- C. Future PRR Submittals
 - 1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
 - 2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 12/3/2013
 Technician: Beaumont

Time: 11:30
 Weather: Cloudy 35°

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS: repairs have been made.
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous

Evidence of Trespassing	NO	YES	COMMENTS:
Letter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Monument 4 was covered with fresh asphalt upon arrival to site. Called Steve Plansker who contacted the contractor. Contractor called TJB who said the monument was not removed must have been covered. TJB located the monument under fresh asphalt. Contractor to come back in a few days and touch up the area.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 3/3/2014
 Technician: Beaumont

Time: 13:00
 Weather: Cold 5°

Area Boundary Controls				
Monument - 1	PRESENT		MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED	
Monument - 2	PRESENT		MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	DAMAGED	
Monument - 3	PRESENT		MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED	
Monument - 4	PRESENT		MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED	

Former Holder Area				
Area covered with asphalt or crushed stone	YES		NO	COMMENTS: repairs have been made.
Condition of area	GOOD	FAIR	DAMAGED	
Inside metal building concrete intact	YES		NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED	

Miscellaneous				
Evidence of Trespassing	NO		YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

From December 2013....

Monument 4 was covered with fresh asphalt upon arrival to site. Called Steve Plansker who contacted the contractor. Contractor called TJB who said the monument was not removed must have been covered. TJB located the monument under fresh asphalt. Contractor to come back in a few days and touch up the area. Contractor did not make any repairs-notified Steve Plansker.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 6/4/2014
 Technician: Beaumont

Time: 9:00
 Weather: Sunny 65°

Area Boundary Controls				
Monument - 1	PRESENT		MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED	
Monument - 2	PRESENT		MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	DAMAGED	
Monument - 3	PRESENT		MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED	
Monument - 4	PRESENT		MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED	

Former Holder Area				
Area covered with asphalt or crushed stone	YES		NO	COMMENTS: repairs have been made.
Condition of area	GOOD	FAIR	DAMAGED	
Inside metal building concrete intact	YES		NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED	

Miscellaneous				
Evidence of Trespassing	NO		YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

From December 2013....

Monument 4 was covered with fresh asphalt upon arrival to site. Called Steve Plansker who contacted the contractor.

Contractor called TJB who said the monument was not removed must have been covered.

TJB located the monument under fresh asphalt. Contractor to come back in a few days and touch up the area.

Contractor did not make any repairs-notified Steve Plansker again.

Contractor stated that he has stopped and there is always a vehicle there.

Steve told him to cone off the location or call Steve prior to have the location coned off.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 9/14/2014
 Technician: Beaumont

Time: 17:00
 Weather: Sunny 60°

Area Boundary Controls			
Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area			
Area covered with asphalt or crushed stone	YES	NO	COMMENTS: repairs have been made.
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous			
Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

From December 2013....

Monument 4 was covered with fresh asphalt upon arrival to site. Called Steve Plasker who contacted the contractor.

Contractor called TJB who said the monument was not removed must have been covered.

TJB located the monument under fresh asphalt. Contractor to come back in a few days and touch up the area.

Contractor did not make any repairs-notified Steve Plasker again.

Contractor stated that he has stopped and there is always a vehicle there.

Steve told him to cone off the location or call Steve prior to have the location coned off.

This has been resolved.....

On June 20, 2014 Steve Plasker called to say there was hole in the SW corner of the parking lot. Looks like an old catchbasin.

After looking at maps and notifying Steve Stucker it was determined that it was on the outside of the control boundaries.

There was nothing on the maps to help verify any structures.

On June 23, 2014 TJB visited the site and verified it was outside the control boundaries.

NG Facilities filled the void with 7 yards of flowable fill and blacktopped over the area.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 12/2/2014
 Technician: Beaumont

Time: 11:00
 Weather: Sunny 45°

Area Boundary Controls			
Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area			
Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous			
Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 3/1/2015
 Technician: Beaumont

Time: 16:00
 Weather: Cloudy 25°

Area Boundary Controls			
Monument - 1	PRESENT	MISSING	COMMENTS: Under snow pile.
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS: Under snow pile.
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area			
Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous			
Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:
 Site is snow covered.

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 6/3/2015
 Technician: Beaumont

Time: 9:00
 Weather: Cloudy 54°

Area Boundary Controls				
Monument - 1	PRESENT		MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED	
Monument - 2	PRESENT		MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	DAMAGED	
Monument - 3	PRESENT		MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED	
Monument - 4	PRESENT		MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED	

Former Holder Area				
Area covered with asphalt or crushed stone	YES		NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED	
Inside metal building concrete intact	YES		NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED	

Miscellaneous				
Evidence of Trespassing	NO		YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 9/13/2015
 Technician: Beaumont

Time: 13:45
 Weather: Cloudy 70°

Area Boundary Controls				
Monument - 1	PRESENT		MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	DAMAGED	
Monument - 2	PRESENT		MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	DAMAGED	
Monument - 3	PRESENT		MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	DAMAGED	
Monument - 4	PRESENT		MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	DAMAGED	

Former Holder Area				
Area covered with asphalt or crushed stone	YES		NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED	
Inside metal building concrete intact	YES		NO	COMMENTS:
Condition of area	GOOD	FAIR	DAMAGED	

Miscellaneous				
Evidence of Trespassing	NO		YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 12/21/2015
 Technician: Beaumont

Time: 11:00
 Weather: Cloudy 34°

Area Boundary Controls			
Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area			
Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous			
Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT

General Comments:

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 3/9/2016
 Technician: Beaumont

Time: 11:00
 Weather: Partly Sunny 65°

Area Boundary Controls			
Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area			
Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous			
Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 6/8/2016
 Technician: Beaumont

Time: 7:00
 Weather: Partly Cloudy 52°

Area Boundary Controls			
Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS: Monument had been hit by snowplow. The concrete base is loose. But Secure.
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area			
Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	
Inside metal building concrete intact	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	

Miscellaneous			
Evidence of Trespassing	NO	YES	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT
			COMMENTS:

General Comments:

Former Holder Management Area Inspection
National Grid Seneca Street Site
Schenectady, New York

Date: 9/20/2016
 Technician: Leo

Time: 13:45
 Weather: sun, 82 F

Area Boundary Controls

Monument - 1	PRESENT	MISSING	COMMENTS:
Condition of Monument - 1	GOOD	FAIR	
Monument - 2	PRESENT	MISSING	COMMENTS:
Condition of Monument - 2	GOOD	FAIR	
Monument - 3	PRESENT	MISSING	COMMENTS:
Condition of Monument - 3	GOOD	FAIR	
Monument - 4	PRESENT	MISSING	COMMENTS:
Condition of Monument - 4	GOOD	FAIR	

Former Holder Area

Area covered with asphalt or crushed stone	YES	NO	COMMENTS:
Condition of area	GOOD	FAIR	
Side metal building concrete intact	YES	NO	COMMENTS: building closed, could not gain access
Condition of area	GOOD	FAIR	

Miscellaneous

Evidence of Trespassing	NO		YES	COMMENTS:
Other	NONE	MINOR	SIGNIFICANT	COMMENTS:

General Comments:

National Grid Seneca Street Site - Photolog



Asphalt condition - September 2016



Asphalt Condition - September 2016



Asphalt Condition - September 2016



Monument #2 - September 2015

National Grid Seneca Street Site - Photolog

Monument #3 - September 2015



Monument #4 - September 2015

Monument #1 - September 2015

