

January 19, 2021

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

**Re: *National Grid Ilion Former MGP Site
NYSDEC Site No. 622019
Ilion, New York
2020 Periodic Review Report***

Dear Mr. Deyette:

Enclosed for your review is the 2020 Periodic Review Report (PRR) for the National Grid Ilion Former MGP Site. The PRR pertains to the period from August 21, 2019 through December 21, 2020 and includes a brief report and Institutional Controls/Engineering Controls (IC/EC) Certification Form.

Please feel free to contact me at 315.428.5652 if you have any questions.

Sincerely,



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

I. Introduction

A. Brief Site Summary –

The Former Ilion Manufactured Gas Plant (MGP) Site (the Site) is located on an approximate 1.3 acre lot in Ilion, New York (refer to Figure 1 Site Location Map). Coal gas was produced at the Site from the 1870s through 1912. In 1950 Niagara Mohawk Power Corporation (NM) assumed control of the Site operation, and introduced natural gas into the local distribution system in 1951. By 1956 most of the gas holding and remaining equipment was removed from the Site. The outdoor electrical substation was decommissioned and removed in 1997, and the remaining buildings were demolished in September 2000.

An investigation of the Site began in 1997 with an Initial Site Characterization/Interim Remedial Measure (IRM) Study performed by Parsons Engineering Science, Inc. (Parsons). This study was followed by a Remedial Investigation between August 1999 and December 2008 (Tetra Tech EC, Inc. [Tetra Tech], 2009), and a Feasibility Study (Tetra Tech, 2010). Pre-design investigations including Pre-design Activities were completed between November 2011 and January 2013 by National Grid.

The site investigations identified impacted soils from MGP related activities, specifically coal tar and purifier waste. The constituents of concern (COCs) are primarily the volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, and xylenes (collectively, BTEX), the general class of semi-volatile organic compounds (SVOCs) known as polycyclic aromatic hydrocarbons (PAHs), and cyanide, all of which can be found at the Site and the off-Site area.

B. Remedial Program Effectiveness – During the reporting period (August 21, 2019 to December 21, 2020) the long-term remedial objectives were met for the site.

C. Remedial Program Compliance - The major elements within the Institutional Control/Engineering Control(s) (IC/EC) Plan are in compliance.

D. Remedial Program Recommendations - It is recommended that no changes be made to the IC/EC Plan. It is recommended that an annual Periodic Review Report (PRR) be submitted. The next PRR submittal will cover the period December 21, 2020 to December 21, 2021.

II. Site Overview

A. Site Location and Boundaries –

The Site is located in the Village of Ilion, County of Herkimer, New York (Figure 1 presents the site location map). The Site is an approximate 1.3-acre area bounded by East Clark Street and privately-owned residential properties to the north, Sate Street to the south, East Street to the east, and privately-owned commercial and residential properties to the west. Currently, the property is grass-covered and surrounded by a 6-foot chain link fence.

B. Regulatory History and Remedy Features –

The site was remediated in accordance with the multi-site Voluntary Consent Order (VCO) (NYSDEC, 2002) Index No. A4-0473-0000 Site #V00471, which was executed in November 2003.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

A. Evaluation of Remedy Performance – Annual visual inspections of the cover system are conducted on the Site. The remedy performance has been effective in protecting the public.

IV. IC/EC Plan Compliance Report

A. IC/EC Requirements and Compliance

1. IC/EC Controls

The ICs/ECs:

- **Soil Cover System:** Annual site inspection of the cover system includes identification of any damage to the cover. National Grid conducts quarterly inspections for internal security purposes.
- **Monitoring Wells Associated with Monitored Natural Attenuation (MNA):** Semi-annual groundwater sampling of the monitoring well system, until either water quality is consistently below NYSDEC standards, or has become asymptotic at an acceptable level over an extended period.

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

3. **IC/EC Corrective Measures** – No deficiencies were noted during the site inspections.
4. **IC/EC Conclusions/Recommendations** – The EC program is in compliance and there are no recommendations for the program at this time.
5. **IC/EC Certification** – Refer to PRR Form - Attachment 1 for the certification.

V. Monitoring Plan Compliance Report – The Annual Monitoring Report was submitted to the NYSDEC on December 16, 2020.

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

VII. Overall PRR Conclusions and Recommendations

A. Compliance with Site Management Plan (SMP)

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 in the Site Management Plan and executed by National Grid has been effective in meeting the program goals.

C. Future PRR Submittals – The frequency of PRR Submittals should remain annual. Therefore, the next PRR reporting period will cover December 21, 2020 through December 21, 2021.

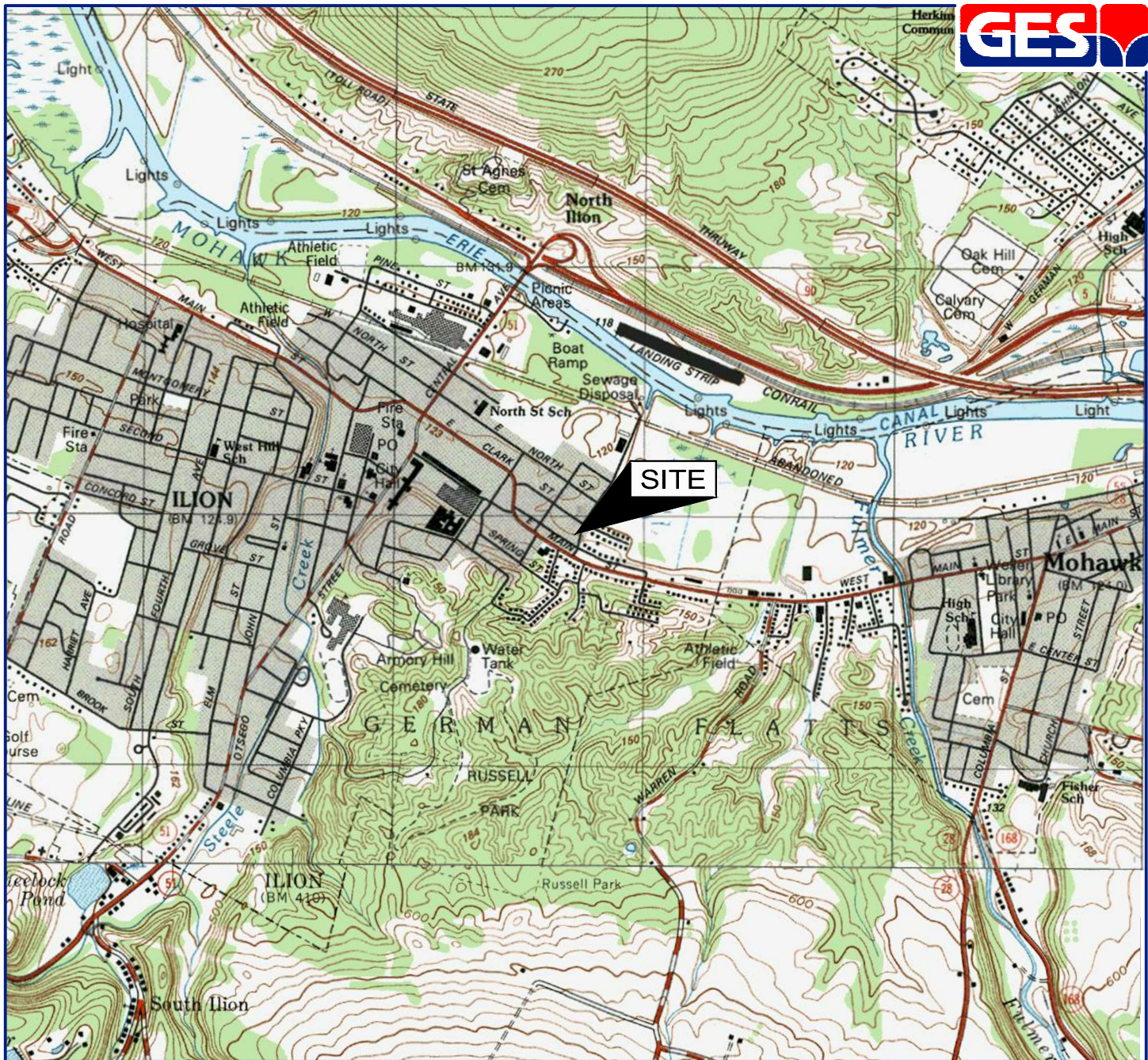
VIII. Additional Guidance – Not needed.

National Grid- Ilion MGP Site (NYSDEC Site No. 622019)

Reporting Period – August 21, 2019 through December 21, 2020

REFERENCES



Arcadis, 2018. “Site Management Plan, Ilion (East Street) Former MGP Site”, October 2018.



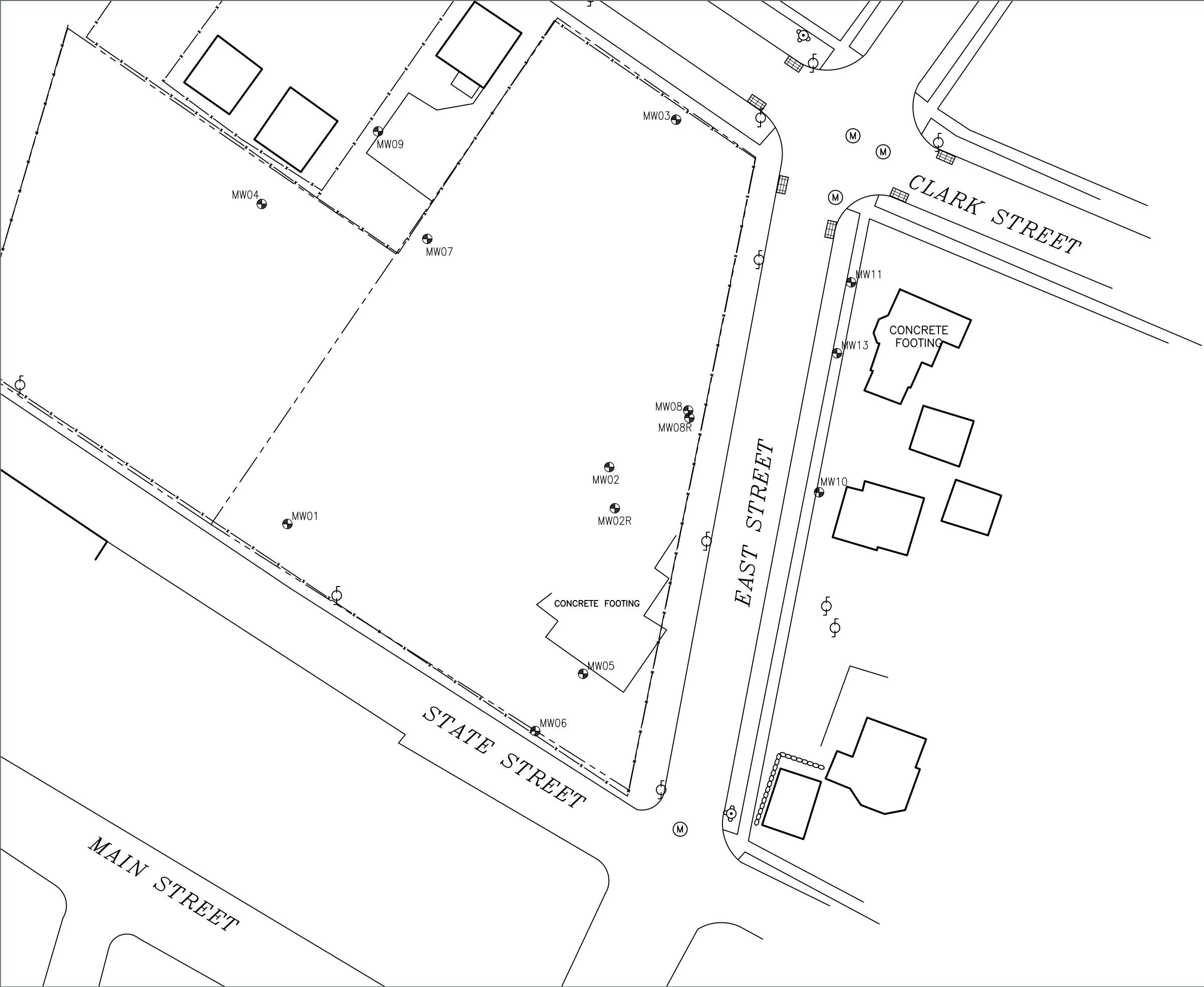
SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1982
ILION, NEW YORK
CONTOUR INTERVAL = 6 METERS



QUADRANGLE LOCATION

DRAFTED BY: W.G.S.	SITE LOCATION MAP		
CHECKED BY:	NATIONAL GRID		
REVIEWED BY:	1 EAST AVENUE AND STATE STREET ILION, NEW YORK		
	Groundwater & Environmental Services, Inc. 5 TECHNOLOGY PLACE, SUITE 4, EAST SYRACUSE, NY 13057		
	SCALE IN FEET  0 2000	DATE 11-28-16	FIGURE 1

M:\Graphics\0600-Syracuse\Misc\National Grid\Illion SM.dwg, B40 sm, WShea



LEGEND

- PROPERTY BOUNDARY
- x - FENCE
- o-o-o-o-o STONE RETAINING WALL
- [] CATCH BASIN
- (M) UTILITY MANHOLE
- [] FIRE HYDRANT
- [] UTILITY POLE
- [] MONITORING WELL

Site Map		
National Grid 1 East Avenue & State Street Illion, New York		
Drawn W.G.S. Designed		Date 9/21/20 Figure
Approved	Scale In Feet 0 40	

National Grid- Ilion MGP Site (NYSDEC Site No. 622019)

Reporting Period – August 21, 2019 through December 21, 2020

Attachment 1: PRR Certification Form

Site Details

Site No. 622019

Box 1

Site Name NM - Ilion MGP

Site Address: 1 East St. Zip Code: 13357-
City/Town: Ilion
County: Herkimer
Site Acreage: 1.300

Reporting Period: August 21, 2019 to December 21, 2020

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? ☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? ☒ ☐
Restricted-Residential, Commercial, and Industrial
7. Are all ICs in place and functioning as designed? ☒ ☐

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 _____

Description of Institutional ControlsParcelOwnerInstitutional Control**120.037-4-19**

National Grid Corporation

Ground Water Use Restriction
Landuse Restriction
Site Management Plan

An Environmental Easement is in place that restricts land use to restricted-residential, and restricts the use of groundwater at the site. A Site Management Plan has been approved which details the controls in place, and the monitoring requirements for the site.

Description of Engineering ControlsParcelEngineering Control**120.037-4-19**Cover System
Fencing/Access Control
Monitoring Wells

The site is restricted to restricted residential, commercial, or industrial use. A soil cover system is in place across the entire site. Groundwater use is restricted at the site unless approved by Herkimer County DOH and/or NYSDOH. Groundwater monitoring will be conducted on the site on a semi-annual basis for the first five years to assess the performance of the remedy.

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

**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. 622019

Box 6

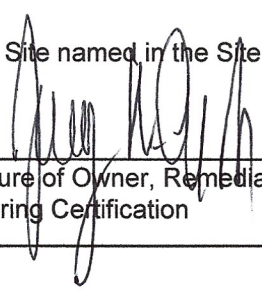
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Gerald Cresap, PE at 5 Technology Place, Suite 4, East Syracuse, NY 13057
print name print business address

am certifying as Agent for National Grid (Owner or Remedial Party)

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


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

1-15-2024
Date



EC CERTIFICATIONS

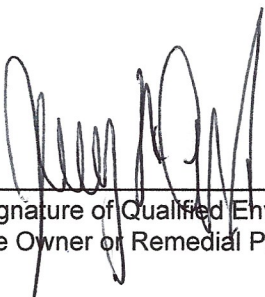
Box 7

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 Gerald Cresap, PE at 5 Technology Place, Suite 4, East Syracuse, NY 13057
print name print business address

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



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

Stamp
(Required for PE)

1-15-2021
Date

National Grid- Ilion MGP Site (NYSDEC Site No. 622019)

Reporting Period – August 21, 2019 through December 21, 2020

Attachment 2: Site Inspection Forms

Field Inspection Report**Former MGP Site****Ilion, New York**Date: 10/12/2020Technician: AJTime: 14:10Weather: Partly Sunny 59**Site Controls**

Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Front Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Rear Man Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG	OPERATIONAL	NON-OPERATIONAL	COMMENTS:	

General Site Conditions

Condition of Parking area	GOOD	FAIR	POOR	COMMENTS:
Evidence of any Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Vegetative Growth	GOOD	FAIR	POOR	COMMENTS:
Conditions of the Site Trees	GOOD	FAIR	POOR	COMMENTS:
Agricultural or Vegetable Gardens	YES		NO	COMMENTS:
Site Been Mowed	YES		NO	COMMENTS:
Evidence of Vandalism	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Is the site being used in a manner inconsistent with Environmental Easement?

☐ Yes☐ No**Site Monitoring Wells**

Well ID.	Location Secure	
MW-02R	Yes	No
MW-03	Yes	No
MW-06	Yes	No
MW-07	Yes	No
MW-08R	Yes	No
MW-13	Yes	No

General Comments:

Field Inspection Report**Former MGP Site****Ilion, New York**Date: 7/30/2020Technician: TBTime: 8:30Weather: Partly Cloudy 72**Site Controls**

Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Front Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Rear Man Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG	OPERATIONAL	NON-OPERATIONAL		COMMENTS:

General Site Conditions

Condition of Parking area	GOOD	FAIR	POOR	COMMENTS:
Evidence of any Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Vegetative Growth	GOOD	FAIR	POOR	COMMENTS:
Conditions of the Site Trees	GOOD	FAIR	POOR	COMMENTS:
Agricultural or Vegetable Gardens	YES		NO	COMMENTS:
Site Been Mowed	YES		NO	COMMENTS:
Evidence of Vandalism	YES		NO	COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Is the site being used in a manner inconsistent with Environmental Easement?

☐ Yes☐ No**Site Monitoring Wells**

Well ID.	Location Secure	
MW-02R	Yes	No
MW-03	Yes	No
MW-06	Yes	No
MW-07	Yes	No
MW-08R	Yes	No
MW-13	Yes	No

General Comments:

Field Inspection Report**Former MGP Site****Ilion, New York**Date: 5/27/2020Technician: BHTime: 14:10Weather: Sunny 89**Site Controls**

Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Front Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Rear Man Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG	OPERATIONAL	NON-OPERATIONAL		COMMENTS:

General Site Conditions

Condition of Parking area	GOOD	FAIR	POOR	COMMENTS:
Evidence of any Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Vegetative Growth	GOOD	FAIR	POOR	COMMENTS:
Conditions of the Site Trees	GOOD	FAIR	POOR	COMMENTS:
Agricultural or Vegetable Gardens	YES	NO		COMMENTS:
Site Been Mowed	YES	NO		COMMENTS:
Evidence of Vandalism	YES	NO		COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Is the site being used in a manner inconsistent with Environmental Easement?

Yes

No

Site Monitoring Wells

Well ID.	Location Secure	
MW-02R	Yes	No
MW-03	Yes	No
MW-06	Yes	No
MW-07	Yes	No
MW-08R	Yes	No
MW-13	Yes	No

General Comments:

the fenceline could use some weed trimming

Field Inspection Report**Former MGP Site****Ilion, New York**Date: 5/1/2020Technician: KLTime: 8:00Weather: Cloudy 51**Site Controls**

Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Front Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Rear Man Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG	OPERATIONAL	NON-OPERATIONAL		COMMENTS:

General Site Conditions

Condition of Parking area	GOOD	FAIR	POOR	COMMENTS:
Evidence of any Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Vegetative Growth	GOOD	FAIR	POOR	COMMENTS:
Conditions of the Site Trees	GOOD	FAIR	POOR	COMMENTS:
Agricultural or Vegetable Gardens	YES	NO		COMMENTS:
Site Been Mowed	YES	NO		COMMENTS:
Evidence of Vandalism	YES	NO		COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS: Cleaned up property

Is the site being used in a manner inconsistent with Environmental Easement?

☐ Yes☐ No**Site Monitoring Wells**

Well ID.	Location Secure	
MW-02R	Yes	No
MW-03	Yes	No
MW-06	Yes	No
MW-07	Yes	No
MW-08R	Yes	No
MW-13	Yes	No

General Comments:

Field Inspection Report**Former MGP Site****Ilion, New York**Date: 1/15/2020Technician: PDTime: 9:00Weather: PC 40**Site Controls**

Fence Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Front Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Rear Man Gate Condition	GOOD	FAIR	DAMAGED	COMMENTS:
Padlock-NG	OPERATIONAL	NON-OPERATIONAL		COMMENTS:

General Site Conditions

Condition of Parking area	GOOD	FAIR	POOR	COMMENTS:
Evidence of any Intrusive Activities	NONE	MINOR	SIGNIFICANT	COMMENTS:
Vegetative Growth	GOOD	FAIR	POOR	COMMENTS:
Conditions of the Site Trees	GOOD	FAIR	POOR	COMMENTS:
Agricultural or Vegetable Gardens	YES	NO		COMMENTS:
Site Been Mowed	YES	NO		COMMENTS: Winter
Evidence of Vandalism	YES	NO		COMMENTS:
Litter	NONE	MINOR	SIGNIFICANT	COMMENTS:

Is the site being used in a manner inconsistent with Environmental Easement?

Yes

No

Site Monitoring Wells

Well ID.	Location Secure	
MW-02R	Yes	No
MW-03	Yes	No
MW-06	Yes	No
MW-07	Yes	No
MW-08R	Yes	No
MW-13	Yes	No

General Comments: