

January 3, 2023

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

**Re: National Grid Non-Owned Former Manufactured Gas Plant Site [#546060]
PRR**

Dear Mr. Deyette:

Enclosed for your review is the Periodic Review Report (PRR) for the National Grid Ballston Spa Non-Owned Former MGP Site (Site No. 546060).

The PRR includes information from the period January 1, 2022 – January 1, 2023:

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

Sincerely,



for SPS

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

ecc: Devin Shay- Groundwater & Environmental Services, Inc.

Periodic Review Report – National Grid Ballston Spa (Site #546060)

Reporting Period – January 01, 2022 to January 01, 2023

I. Introduction

A. Brief Site Summary –

The National Grid Ballston Spa Non-Owned Former Manufactured Gas Plant (MGP) (#546060) (the Site) is located in Ballston Spa, New York. The Site was formerly in the New York State (NYS) Voluntary Cleanup Program (VCP) Site No. V00487 which was administered by the New York State Department of Environmental Conservation (NYSDEC); however, the Voluntary Cleanup Agreement (VCA) was terminated in July 2018 and the Site was then incorporated into the State Superfund Program (SSF) as Site No. 546060.

An MGP operated at the Site from approximately 1861 to 1907. In 1897, it was known as the Ballston Spa Gas Light Co. Gas Works, and a round gas holder was housed within an on-site building at this time. After the plant was shut down, the main building continued to be used as a warehouse until approximately 1924, when any remaining structures were demolished. The Site has been vacant since that time, and there is no physical evidence at the ground surface of the plant. During some of the remedial investigations at the Site, portions of the previous building foundations (brick) were observed in the test pits.

Niagara Mohawk Power Corporation, a predecessor to National Grid, entered into the VCA in July 2001 with the NYSDEC to remediate the Site. After the completion of the remedial work, some MGP impacted material was left at this Site. The Order of Consent number under which the Site Management Plan and Site are administered is Index #CO 7-20180629-27.

The Final SMP includes:

1. Site-wide inspections to be performed annually.
2. Annual groundwater sampling/analysis (June) for the Volatile Organic Compounds (VOCs) benzene, toluene, ethylbenzene, and xylene (BTEX) and Semi-Volatile Organic Compounds (SVOCs) for monitoring wells B/MW-101R-06, B/MW-102-05B, B/MW-103-05, B/MW-115-10, B/MW-121-10, B/MW-123-10, B/MW-128-11, and B/MW-133-11B.
3. Annual reporting (December) to NYSDEC.

B. Remedial Program Effectiveness – During the reporting period (January 1, 2022, to January 1, 2023), the long-term remedial objectives were met for the site.

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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 the Project Review Report (PRR) submittal frequency (annual) remain the same. The next PRR submittal deadline would be January 31, 2024.

II. Site Overview

A. Site Location and Boundaries –

The National Grid Ballston Spa Site is approximately 0.164 acres, and is located within the town of Ballston, village of Ballston Spa, New York. The Site is bounded to the north by a village parking lot, residential properties to the south and east, and Milton Avenue to the west. The entire Site is paved and is used as parking for two businesses and an apartment building. It is zoned commercial and is privately owned.

B. Regulatory History and Remedy Features –

In 2012 a remedial investigation was performed at the Site to characterize the nature and extent of the contamination. Generally, the remedial investigation determined that most soil contamination is contained within the original MGP boundaries, with minor impacts to the north and east at relatively deep depths. No coal tar source was located. Groundwater on-site exhibited impacts, but the impacts dissipated downgradient.

Following the remedial investigation, it was determined by the NYSDEC that further remedial activities were not required. This was in accordance with NYSDEC-issued Decision Document dated May 2013. As part of this ICs/ECs were developed to manage the remaining contamination on the parcel.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

A. Evaluation of Remedy Performance – Quarterly inspections are conducted on the Site features including the groundwater monitoring wells, and the asphalt cover barrier. Annual groundwater sampling is conducted at wells B/MW-101R-06, B/MW-102-05B, B/MW-103-05, B/MW-115-10, B/MW-121-10, B/MW-123-10, B/MW-128-11, and B/MW-133-11B. The remedy performance has been effective in protecting the public.

Periodic Review Report – National Grid Ballston Spa (Site #546060)

Reporting Period – January 01, 2022 to January 01, 2023

IV. IC/EC Plan Compliance Report

A. IC/EC Requirements and Compliance

1. IC/EC Controls

The ICs/ECs included:

- Asphalt Barrier: Quarterly site inspection will include the condition of the asphalt barrier protection.
- Groundwater Monitoring: Annual low flow groundwater sampling of the following monitoring wells: B/MW-101R-06, B/MW-102-05B, B/MW-103-05, B/MW-115-10, B/MW-121-10, B/MW-123-10, B/MW-128-11, and B/MW-133-11B. The condition of these wells is also inspected quarterly.
- Compliance with the property restrictions outlined in the Site Management Plan.

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

3. **IC/EC Corrective Measures** – The manway of monitoring well B/MW-115-10 was found to be damaged during the March 2022 inspection, and was replaced in April 2022. No other 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 PRR Form - **Attachment 1**, for the certification.

V. **Monitoring Plan Compliance Report** – The Annual Monitoring Report will be submitted to the NYSDEC by December 31, 2023.

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.

Periodic Review Report – National Grid Ballston Spa (Site #546060)

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B. Performance and Effectiveness of the Remedy – The remedy as described by the Consent Order 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 submittal deadline will be January 31, 2024.

VIII. Additional Guidance – Not Needed.

Attachment 1 – PRR Checklist

Site Details

Box 1

Site Name NM - Ballston Spa MGP

YES NO

If NO, include handwritten above or on a separate sheet.

Box 2

YES NO

Date _____

Description of Institutional ControlsParcel**216.24-2-52**Owner

Rebuilding Together Saratoga County, Inc

Institutional Control

Ground Water Use Restriction
Landuse Restriction
Monitoring Plan
Site Management Plan

An Environmental Easement is in place that restricts the site use to commercial applications and restricts groundwater use at the site. A Site Management Plan is in place that details notifications of proposed work, groundwater monitoring, and site cover inspections. The SMP covers both the site and an adjacent municipal parking lot.

Description of Engineering ControlsParcel**216.24-2-52**Engineering Control

Cover System
Monitoring Wells

The site is covered by asphalt to prevent contact with residual impacts in soil and groundwater. Groundwater monitoring wells are located both on site and at the adjacent municipal parking lot and are sampled on an annual basis.

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. 546060

Box 6

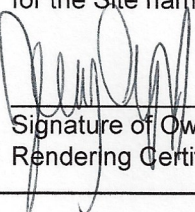
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 6780 Northern Blvd., Suite 100, 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

Date

1-8-2023



EC CERTIFICATIONS

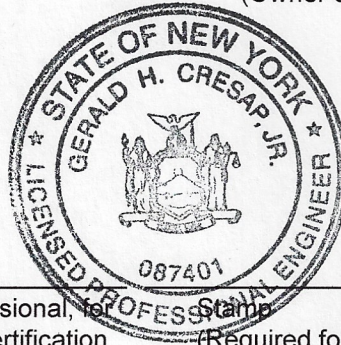
Box 7

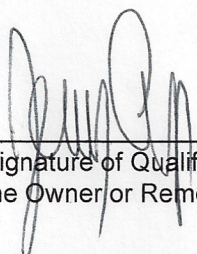
Qualified Environmental Professional Signature

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

I Gerald Cresap, PE at 6780 Northern Blvd., Suite 100, 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 (Required for PE)

1-3-2023
Date

Attachment 2 – Inspections

Site Management Plan Inspection Form**Milton Ave****Non-Owned Former MGP Site****Ballston Spa, New York**Date: 12/14/2022Technician: KLTime: 10:30Weather: Cloudy 27**Site Wide Cover System**

Are soil intrusion activities being performed?	YES	NO	COMMENTS:
Are there signs of soil intrusive activities?	YES	NO	COMMENTS:
Is the asphalt cover in good condition?	YES	NO	COMMENTS:
Evidence of saw cutting?	YES	NO	COMMENTS:
Evidence of excavation or trenching?	YES	NO	COMMENTS:
Is the stone rip rap in good condition?	YES	NO	COMMENTS:
Burrowing animals?	YES	NO	COMMENTS:

Site Monitoring Wells

Well ID.	Location Secure	
B/MW-101R-06	YES	NO
B/MW-102-05B	YES	NO
B/MW-103-05	YES	NO
B/MW-115-10	YES	NO
B/MW-121-10	YES	NO
B/MW-123-10	YES	NO
B/MW-128-11	YES	NO
B/MW-133-11B	YES	NO

General Comments/Suggested Action items:

No changes to site cover materials observed and no evidence of work in the SMP area.

Storage shed has been installed on the NW corner off the upper parking lot.

Site Management Plan Inspection Form**Milton Ave****Non-Owned Former MGP Site****Ballston Spa, New York**Date: 9/13/2022Technician: KLTime: 10:00Weather: Rain 66**Site Wide Cover System**

Are soil intrusion activities being performed?	YES	NO	COMMENTS:
Are there signs of soil intrusive activities?	YES	NO	COMMENTS:
Is the asphalt cover in good condition?	YES	NO	COMMENTS:
Evidence of saw cutting?	YES	NO	COMMENTS:
Evidence of excavation or trenching?	YES	NO	COMMENTS:
Is the stone rip rap in good condition?	YES	NO	COMMENTS:
Burrowing animals?	YES	NO	COMMENTS:

Site Monitoring Wells

Well ID.	Location Secure	
B/MW-101R-06	YES	NO
B/MW-102-05B	YES	NO
B/MW-103-05	YES	NO
B/MW-115-10	YES	NO
B/MW-121-10	YES	NO
B/MW-123-10	YES	NO
B/MW-128-11	YES	NO
B/MW-133-11B	YES	NO

General Comments/Suggested Action items:

No changes to site cover materials observed and no evidence of work in the SMP area.

Storage shed has been installed on the NW corner off the upper parking lot.

Site Management Plan Inspection Form**Milton Ave****Non-Owned Former MGP Site****Ballston Spa, New York**Date: 6/9/2022Technician: KLTime: 10:00Weather: Cloudy 62**Site Wide Cover System**

Are soil intrusion activities being performed?	YES	NO	COMMENTS:
Are there signs of soil intrusive activities?	YES	NO	COMMENTS:
Is the asphalt cover in good condition?	YES	NO	COMMENTS:
Evidence of saw cutting?	YES	NO	COMMENTS:
Evidence of excavation or trenching?	YES	NO	COMMENTS:
Is the stone rip rap in good condition?	YES	NO	COMMENTS:
Burrowing animals?	YES	NO	COMMENTS:

Site Monitoring Wells

Well ID.	Location Secure	
B/MW-101R-06	YES	NO
B/MW-102-05B	YES	NO
B/MW-103-05	YES	NO
B/MW-115-10	YES	NO
B/MW-121-10	YES	NO
B/MW-123-10	YES	NO
B/MW-128-11	YES	NO
B/MW-133-11B	YES	NO

New well manhole installed 4/22/2022

General Comments/Suggested Action items:

No changes to site cover materials observed and no evidence of work in the SMP area.

Storage shed has been installed on the NW corner off the upper parking lot.

Site Management Plan Inspection Form**Milton Ave****Non-Owned Former MGP Site****Ballston Spa, New York**Date: 3/24/2022Technician: KLTime: 9:45Weather: Rain 37**Site Wide Cover System**

Are soil intrusion activities being performed?	YES	NO	COMMENTS:
Are there signs of soil intrusive activities?	YES	NO	COMMENTS:
Is the asphalt cover in good condition?	YES	NO	COMMENTS:
Evidence of saw cutting?	YES	NO	COMMENTS:
Evidence of excavation or trenching?	YES	NO	COMMENTS:
Is the stone rip rap in good condition?	YES	NO	COMMENTS:
Burrowing animals?	YES	NO	COMMENTS:

Site Monitoring Wells

Well ID.	Location Secure	
B/MW-101R-06	YES	NO
B/MW-102-05B	YES	NO
B/MW-103-05	YES	NO
B/MW-115-10	YES	NO
B/MW-121-10	YES	NO
B/MW-123-10	YES	NO
B/MW-128-11	YES	NO
B/MW-133-11B	YES	NO

Manway destroyed by plow. Well is okay.

General Comments/Suggested Action items:

No changes to site cover materials observed and no evidence of work in the SMP area.

Storage shed has been installed on the NW corner off the upper parking lot.