

Theodore O. Leissing, Jr.  
Area Manager LI & NYC  
Site Investigation & Remediation



April 11, 2018

Mr. George Heitzman, P.E.  
Director, Remedial Bureau C  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, NY12233

**February & March 2018 – National Grid Progress Report for Orders on Consent  
Index Nos. D2-001-94-12, D2-001-98-04, D1-0002-F98-11,  
D1-0001-98-11, D1-0001-99-05, D1-0002-99-05, A2-0460-0502,  
A2-0523-0705, A2-0552-0606 and A2-1090-0606**

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Dear Mr. Heitzman:

Attached are the bi-monthly Progress Reports for the months of February and March 2018 for the National Grid former MGP sites managed under the subject Orders on Consent.

If you need more information, please contact me at (516) 545-2563 or via email at [theodore.leissing@nationalgrid.com](mailto:theodore.leissing@nationalgrid.com).

Very truly yours,

Theodore O. Leissing, Jr.

Attachment

ec: Mr. Robert Schick, P.E. (NYSDEC)  
Mr. Michael Ryan, P.E.  
Mr. Gardiner Cross (NYSDEC)  
Mr. Amen M. Omorogbe, P.E. (NYSDEC)  
Mr. Douglas K. MacNeal (NYSDEC)  
Mr. John Spellman (NYSDEC)  
Mr. Scott Deyette (NYSDEC)  
Mr. William Wu (NYSDEC)  
Mr. Gerry Pratt (NYSDEC)  
Ms. Dolores Tuohy, Esq. (NYSDEC)  
Mr. John Miller (NYSDEC)  
Ms. Carrie Meek Gallagher (NYSDEC Region 1)  
Ms. Jane O'Connell (NYSDEC Region 2)  
Ms. Charlotte Bethoney (NYSDOH)  
Mr. Charles F. Willard (National Grid)  
Ms. Donna L. Riccobono, Esq. (National Grid)

# **Progress Report for February & March 2018**

## ***Order on Consent – Index Nos. D1-0001-99-05 and A2-0552-0606*** **Babylon Former MGP Site**

NYSDEC Project Manager – Douglas MacNeal  
NYSDOH Project Manager – Renata Ockerby  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

### **Field Activities**

- None

### **Deliverables**

- Revised Pre-Design Work Plan submitted to NYSDEC March 19, 2018.

### **Planned April & May 2018 Activities**

- On-site meeting with LIRR engineering staff to discuss track embankment stability.
- Prepare draft text for Interim Site Management Plan.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- Revised Work Plan pending approval.

### **CPP and Community Activities**

- None

### **Problems Encountered/Efforts to Mitigate Delays**

- Pre-Design Investigation has been delayed due to the inability to obtain an access agreement with the property owner. National Grid has been communicating with the property in an effort to gain access for the LIRR meeting.

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Babylon

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	Sep-99	
Work Plan Approved	Apr-02	
Field Investigation Program Start	Aug-02	
Field Investigation Program Complete	Sep-02	
Draft Preliminary Site Assessment Report Submitted to NYSDEC	Nov-02	
Final Preliminary Site Assessment Report Issued	Feb-03	
Significant Threat or No Further Action Determination	Jan-03	
NYSDEC ACO Signed	Feb-07	
Work Plan to Submitted to NYSDEC	Dec-07	
Work Plan Approved	Feb-08	
Field Investigation Program Start	Jan-09	
Field Investigation Program Complete	Feb-09	
Draft Remedial Investigation Report Submitted to NYSDEC	Jul-09	
Final Remedial Investigation Report Issued	Dec-12	
Draft Focused Feasibility Study Submitted to NYSDEC	Jan-14	
Final Focused Feasibility Study Issued	Nov-14	
PRAP Issued or RAP Submitted	Feb-15	
ROD Issued or RAP Approved	Mar-15	
Draft Pre-Design Investigation Work Plan Submitted to NYSDEC	SDec-17	
Pre-Design Investigation Work Plan Approved	May-18	
Remedial Design Submitted to NYSDEC	--	

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## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Babylon

Activity / Event	Milestone Date	Schedule Revisions
Remedial Design Issued	--	
Remedial Construction Start	--	
Remedial Construction Complete	--	
Remedial O & M or Monitoring	--	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***  
**Bay Ridge Holder Stations A & B Former MGP Site**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Albert DeMarco  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- Support for intrusive activities associated with a capital improvement project.
- Submit a notice of intrusive activity letter associated with the capital improvement project.
- Perform monitored natural attenuation (MNA) analysis.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Bay Ridge Holder Stations A & B (OU-1)**

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Feb-07</b>	
Submit Site Characterization Work Plan to NYSDEC	<b>Oct-09</b>	
Site Characterization Work Plan Approved	<b>Feb-10</b>	
Field Investigation Program Start	<b>Dec-10</b>	
Field Investigation Program Complete	<b>Mar-11</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Dec-11</b>	
OU-1 Established with NYSDEC	<b>Feb-11</b>	
Final Site Characterization Report Issued	<b>Mar-12</b>	
Well Abandonment Report	<b>Jun-13</b>	
PRAP Issued	Aug-18	
ROD Issued	Dec-18	
No Further Action Determination	Mar 19	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Ridge Holder Stations A & B (OU-2)

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Feb-07</b>	
Submit Site Characterization Work Plan to NYSDEC	<b>Oct-09</b>	
Site Characterization Work Plan Approved	<b>Feb-10</b>	
Field Investigation Program Start	<b>Mar-10</b>	
Field Investigation Program Complete	<b>Mar-11</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Dec-11</b>	
OU-2 Established with NYSDEC	<b>Feb-12</b>	
Final Site Characterization Report Issued	<b>Mar-12</b>	
Significant Threat Determination	<b>Feb-12</b>	
Submit OM&M Fall 2013 Groundwater Sampling Work Plan to NYSDEC	<b>Sep-13</b>	
OM&M Fall 2013 Groundwater Sampling Work Plan Approved	<b>Oct-13</b>	
OM&M Groundwater Sampling Start	<b>Oct-13</b>	
Submit First OM&M Groundwater Sampling Report	<b>Jun-14</b>	
Submit OU-2 Additional Site Characterization Data Report to NYSDEC	<b>Jul-14</b>	
OU-2 Boundary Modification Request Submitted to NYSDEC	<b>Jul-14</b>	
OU-2 Additional Site Characterization Data Report Approved	<b>Oct-14</b>	
First OM&M Groundwater Sampling Report Approved	<b>Oct-14</b>	
Draft Interim Site Management Plan Submitted to NYSDEC	<b>Dec-14</b>	
Interim Site Management Plan Approved	<b>Jul-15</b>	
Environmental Easement	Dec-17	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program

#### ACO Milestone Schedule

#### Bay Ridge Holder Stations A & B (OU-2) cont.

Activity / Event	Milestone Date	Schedule Revisions
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PRAP Issued	Aug-18	
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ROD Issued	Dec-18	
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Draft Site Management Plan Submitted to NYSDEC	Apr-18	
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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. D1-0001-98-11 and D1-0002-99-05 Bay Shore Former MGP Site***

NYSDEC Project Manager – Douglas MacNeal

NYSDOH Project Manager – Steve Karpinski

National Grid Project Manager – Bill Ryan

Website - [www.bayshoreworksmgp.com](http://www.bayshoreworksmgp.com)

***March 31, 2018***

### Field Activities

#### **OU-1 Phase IA Remedial Design & Construction**

- Continued monthly sampling of soil vapor points on OU-1 South for performance monitoring of the ozone injection system.
- Continued monthly analytical sampling of the soil vapor extraction system effluent.
- Continued DNAPL recovery operations at BBRW-02.
- Continued quarterly NAPL gauging.
- Continued operations, maintenance and monitoring of the ozone injection groundwater treatment system.
- Performed monthly maintenance and performance monitoring on the OU-1 South oxygen injection system.

#### **OU-1 Phase II Remedial Design and Construction**

- None

#### **OU-1 Phase III Remedial Design and Construction**

- Performed monthly maintenance and performance monitoring on the OU-1 North oxygen injection system.

#### **OU-1 Phase IV Remedial Design and Construction (Summer's Lumber/King Bear)**

- Performed monthly maintenance and performance monitoring on the 66 North Clinton Avenue oxygen injection system.

#### **OU-1 Bay Shore West Construction of New Gas Operations Building**

- None

#### **OU-2 Remedial Design & Construction**

- Performed monthly maintenance and performance monitoring on all four OU-2 oxygen injection systems.

# **Progress Report for February & March 2018**

## **OU-3 Interim Remedial Measures**

- Performed monthly maintenance and performance monitoring on the 87 Community Road oxygen injection system.

## **OU-4 Interim Remedial Measures**

- None

## **Other Site-wide Activities**

- Completed the First Quarter 2018 groundwater monitoring event.

## **Deliverables**

### **OU-1 Phase IA Remedial Design & Construction**

- None

### **OU-1 Phase II Remedial Design & Construction**

- None

### **OU-1 Phase III Remedial Design & Construction**

- None

### **OU-1 Summers Lumber/King Bear Phase IV Excavation**

- None

### **OU-1 Bay Shore West Construction of New Gas Operations Building**

- None

### **OU-2 Remedial Design & Construction**

- None

## **OU-3 Interim Remedial Measures**

- None

## **OU-4 Interim Remedial Measures**

- None

# **Progress Report for February & March 2018**

## **Other Site-wide Activities**

- None
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## **Planned April & May 2018 Activities**

### **OU-1 Phase IA Remedial Design & Construction**

- Submit Phase IA Construction Completion Report for Ozone Treatment System, DNAPL Recovery, OU-1 South and OU-1 North oxygen injection systems.
- Continue DNAPL monitoring and recovery at OU-1 recovery wells.
- Continue OM&M of ozone groundwater treatment system.
- Continue monthly sampling of monitoring wells and soil vapor points on OU-1 South.
- Continue monthly maintenance and performance monitoring on the OU-1 South oxygen injection system.
- NYSDEC-Albany meeting scheduled for April 25th to review project and reporting status

### **OU-1 Phase II Remedial Design & Construction**

- None

### **OU-1 Phase III Remedial Design & Construction**

- Continue monthly maintenance and performance monitoring on the OU-1 North oxygen injection system.

### **OU-1 Phase IV Remedial Design and Construction**

- Continue monthly maintenance and performance monitoring on the 66 North Clinton Avenue oxygen injection system.
- Submit request to abandon final 10 injection points behind the former King Bear Building in accordance with the Phase IV RDR.

### **OU-1 Bay Shore West Construction of New Gas Operations Building**

- Submit pre-characterization report for building construction.

### **OU-2 Remedial Design & Construction**

- Continue monthly maintenance and performance monitoring on the remaining four OU-2 oxygen injection systems.

### **OU-3 Interim Remedial Measure**

- Continue operation and monitoring of the 87 Community Road oxygen injection system.

# **Progress Report for February & March 2018**

## **OU-4 Interim Remedial Measure**

- None

## **Other Site-wide Activities**

- Submit Final Engineering Report.
- Begin the Second Quarter 2018 groundwater monitoring event.
- Submit the Fourth Quarter 2017 Groundwater Monitoring Results Summary package to the agencies.
- Providing oversight and CAMP monitoring for National Grid's proposed building project on OU1 West. All work is contingent upon securing necessary permits from the Town of Islip.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- The site's hotline was monitored and the website was maintained.
- Providing oversight for National Grid gas main replacement project in proximity to the site.

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Shore Site (OU-1)

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	Sep-99	
Work Plan Approved by DEC	Jul-99	
Remedial Investigation Field Investigation Program Start	Aug-99	
Remedial Investigation Field Investigation Program Complete	Nov-99	
Draft Remedial Investigation/RA Report Submitted to NYSDEC	Mar-01	
Remedial Investigation Report Issued	Apr-02	
Supplemental Work Plan Submitted to NYSDEC	Nov-01	
Supplemental Work Plan Approved	Nov-01	
Supplemental Field Investigation Program Start	Jan-02	
Supplemental Field Investigation Program End	Jun-02	
Draft Data Package & Remedial Issues to NYSDEC	Jul-02	
RAP Scoping meeting with NYSDEC	Nov-02	
Draft Final Remedial Investigation Report Submitted to NYSDEC	Oct-02	
Final Remedial Investigation Report Issued/Submitted to NYSDEC	Jan-03	
Draft RAP Submitted to NYSDEC	Jun-03	
Draft Final RAP Submitted to NYSDEC	Apr-04	
Final RAP Approved by NYSDEC	Aug-04	
Bench Test Plan Submitted to NYSDEC	Mar-03	
Bench Test Report Submitted to NYSDEC	Nov-03	
Test Pit Plan Submitted to NYSDEC	Mar-03	
Perform Test Pit Activities	May-03	
Draft Bay Shore West Interim Remedial Measure Work Plan Submitted to NYSDEC	Dec-03	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Shore Site (OU-1) (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Final Bay Shore West Interim Remedial Measure Work Plan Submitted to NYSDEC	<b>Feb-04</b>	
Mobilization for Bay Shore West Interim Remedial Measure	<b>Feb-04</b>	
Site Restoration/Demobilization for Bay Shore West Interim Remedial Measure	<b>Apr-04</b>	
Bay Shore West Interim Remedial Measure Construction Report Submitted to NYSDEC	<b>Dec-04</b>	
Draft Remedial Design Work Plan to NYSDEC	<b>Sep-04</b>	
Final Remedial Design Work Plan Submitted to NYSDEC	<b>Feb-05</b>	
Phase I - Barrier Wall Draft Preliminary Design Submitted to NYSDEC	<b>May-06</b>	
Phase I - Barrier Wall Pre-Final Design Submitted to NYSDEC	<b>Feb-07</b>	
Phase I - Barrier Wall Final Design Submitted to NYSDEC	<b>Apr-07</b>	
Phase IA – Groundwater Treatment System Pre-Final Design Submitted to NYSDEC	<b>Jun-08</b>	
Phase IA - Groundwater Treatment System Final Design Submitted to NYSDEC	<b>Sep-08</b>	
Phase II – Excavation Draft Preliminary Remedial Design Submitted to NYSDEC	<b>Feb-07</b>	
Phase II – Excavation Pre-Final Remedial Design Submitted to NYSDEC	<b>Sep-07</b>	
Phase II – Excavation Final Remedial Design Submitted to NYSDEC	<b>Jan-08</b>	
Phase I/Phase II Remedial Construction Start	<b>Feb-07</b>	
Completion of Subsurface Barrier (Phase I)	<b>May-08</b>	
Completion of OU-1 North Remedial Excavation (Phase II)	<b>Aug-08</b>	
Phase I/II Construction Completion Report Submitted to NYSDEC (Phase I/II)	<b>Oct-09</b>	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Shore Site (OU-1) (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Phase IA – Groundwater Treatment System Pre-Final Design Submitted to NYSDEC	<b>Jun-08</b>	
Phase IA – Groundwater Treatment System Pre-Final Design Submitted to NYSDEC	<b>Jun-08</b>	
Phase IA - Groundwater Treatment System Final Design Submitted to NYSDEC	<b>Sep-08</b>	
Phase 1A Remedial Construction Start	<b>Jan-08</b>	
Completion installation of OU-1 South Oxygen Injection System (Phase IA)	<b>Feb-08</b>	
Completion of Ozone Injection System and Groundwater Treatment Building (Phase IA)	<b>Oct-09</b>	
Complete OU-1 Union Boulevard System Expansion (Phase IA)	<b>Jun-11</b>	
Submit Recovery Well Program Evaluation Work Plan to NYSDEC (Phase IA)	<b>Jun-12</b>	
Complete TarGost Study and Temporary Recovery Well Installations (Phase IA)	<b>Oct-11</b>	
Temporary Recovery Well Abandonment and Recovery Well Installation (Phase IA)	<b>Feb-12</b>	
Recovery Well Program Results Submitted to NYSDEC (Phase IA)	<b>Jun-12</b>	
OU-1 Union Boulevard System Expansion Design Submitted to NYSDEC (Phase IA)	<b>Apr-11</b>	
OU-1 North Oxygen Injection System Work Plan Submitted to NYSDEC (Phase IA)	<b>Sep-13</b>	
Complete OU-1 North Oxygen Injection System Installation (Phase IA)	<b>Oct-13</b>	
66 North Clinton Avenue Oxygen Injection System Relocation Work Plan Submitted to NYSDEC (Phase IA)	<b>Aug-13</b>	
Complete Oxygen Injection System Modifications to 60/66 North Clinton Oxygen Injection System and OU-1 Union Boulevard Oxygen Injection System (Phase IA)	<b>Oct-13</b>	

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## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Shore Site (OU-1) (Cont.)			
Activity / Event	Milestone Date	Schedule Revisions	
OU-1 Union Boulevard Oxygen Injection System Modification Work Plan Submitted to NYSDEC (Phase IA)	<b>Nov-14</b>		
Complete Oxygen Injection System Modifications to OU-1 Union Boulevard Oxygen Injection System (Phase IA)	<b>Jun-15</b>		
Phase IV Remedial Design Report Submitted to NYSDEC (Phase IV)	<b>Feb-09</b>		
Phase IV Remedial Construction Start (Phase IV)	<b>Mar-09</b>		
Completion of Phase IV Remedial Excavation (Phase IV)	<b>Apr-09</b>		
Completion of Phase IV 60/66 N. Clinton Avenue Oxygen Injection System (Phase IV)	<b>Jan-10</b>		
Phase IV Construction Completion Report Submitted to NYSDEC	<b>Sep-12</b>		
Remedial O & M or Monitoring	Sep-07	Ongoing	
Draft Phase 1A Construction Completion Report Submitted to NYSDEC	<b>Apr-16</b>		
Final Phase 1A Construction Completion Report Submitted to NYSDEC	--		
Draft Site Management Plan Submitted to NYSDEC	<b>Jan-17</b>		
Draft Final Engineering Report Submitted to NYSDEC	--		
<b>&gt;&gt;&gt;&gt;&gt;&gt;Bold Font – Actual Completion Date&lt;&lt;&lt;&lt;&lt;&lt;</b>			
Bay Shore Interim Remedial Measure No. OU-1A – OU-1 West Parcel Remediation West of N. Clinton Avenue (North of LIRR) Bay Shore Phase I – Southern Cell Remedial Excavation and Barrier Installation (South of LIRR) Bay Shore Phase II – Remedial Excavation of Main MGP Site Property (North of LIRR) Bay Shore Phase IA – In-Situ Chemical Oxidation Groundwater Treatment (Ozone), Oxygen Injection Groundwater Treatment (OU-1 South, OU-1 North), DNAPL Delineation and Recovery Bay Shore Phase III – In-Situ Chemical Oxidation Pilot Testing Bay Shore Phase IV – Excavation of Impacts West of Barrier Wall (South of LIRR) and Oxygen Injection Groundwater Treatment			



## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Shore Offsite Groundwater Plume (OU-2)		
Activity / Event	Milestone Date	Schedule Revisions
Interim Remedial Measure No. OU-2A Draft Work Plan Submitted to NYSDEC	Jan-03	
Interim Remedial Measure No. OU-2A Revised Work Plan Submitted to NYSDEC	Sep-04	
NYSDEC Approval of Interim Remedial Measure No. OU-2A Work Plan	Dec-04	
Start Construction of Interim Remedial Measure No. OU-2A	Aug-05	
Complete Construction of Interim Remedial Measure No. OU-2A	Nov-05	
Draft Interim Remedial Measure No. OU-2A Construction Report Submitted to NYSDEC	Oct-06	
Issue Final Interim Remedial Measure No. OU-2A Construction Report	Oct-06	
OU-2A Groundwater Monitoring Program Complete	Dec-07	
RAP Scoping meeting with NYSDEC	Mar-08	
Draft RAA Submitted to NYSDEC	Apr-08	
RAA Approved by NYSDEC for OU-2	Jul-08	
Draft Remedial Design Document for OU-2 Submitted to NYSDEC	Sep-08	
Final Remedial Design Document for OU-2 Submitted to NYSDEC	Jan-09	
Remedial Construction Start	Jun-08	
Remedial Construction Complete	Jun-11	
Draft OU-2 RA Construction Report Submitted to NYSDEC	Dec-16	
Final OU-2 RA Construction Report Submitted to NYSDEC	--	
OU-2 Groundwater Monitoring Program Start	Apr-10	Ongoing
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Bay Shore Interim Remedial Measure No. OU-2A – Groundwater Contaminant Plume Mitigation (Downgradient Area(s))		

## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Shore – Brightwaters Yard and Groundwater (OU-3)		
Activity / Event	Milestone Date	Schedule Revisions
Interim Remedial Measure No. OU-3A Start	<b>Aug-99</b>	
Interim Remedial Measure No. OU-3A Complete	--	Ongoing
Submit Revised Supplemental Investigation Work Plan Submitted to NYSDEC	<b>Jun-02</b>	
Interim Remedial Measure OU-3A SI Summary Report Submitted to NYSDEC	<b>Feb-03</b>	
Final Interim Remedial Measure Recommendation Report Submitted to NYSDEC	<b>May-03</b>	
Interim Remedial Measure OU-3A Draft Supplemental Activities Work Plan Submitted to NYSDEC	<b>Aug-03</b>	
Interim Remedial Measure OU-3A Final Supplemental Activities Work Plan Submitted to NYSDEC	<b>Jan-04</b>	
Interim Remedial Measure OU-3A Final Supplemental Activities Work Plan Approved by NYSDEC	<b>Feb-04</b>	
Draft Site Management Plan Submitted to NYSDEC	<b>Apr-04</b>	
Start Construction	<b>May-04</b>	
End Construction	<b>Dec-04</b>	
Interim Remedial Measure OU-3A Addendum O&M Phase Begin	<b>Jan-05</b>	Ongoing
Draft Interim Remedial Measure OU-3A Construction Report Submitted to NYSDEC	<b>Dec-04</b>	
Final IRM OU-3A Construction Report Submitted to NYSDEC	<b>Aug-05</b>	
Interim Remedial Measure No. OU-3B Start	<b>Sep-99</b>	
Interim Remedial Measure No. OU-3B Complete	<b>Mar-01</b>	
Draft Interim Remedial Measure No. OU-3C Work Plan Submitted to NYSDEC	<b>Oct-01</b>	
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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Shore – Brightwaters Yard and Groundwater (OU-3) (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Interim Remedial Measure No. OU-3C Start	<b>Feb-02</b>	
Interim Remedial Measure No. OU-3C Complete	<b>Jun-02</b>	
Interim Remedial Measure OU-3C Summary Report Submitted to NYSDEC	<b>Dec-02</b>	
LIRR Interim Remedial Measure Work Plan and Design	<b>Jul-09</b>	
LIRR Interim Remedial Measure Brightwaters Yard Work Plan and Design Addendum	<b>May-10</b>	
LIRR Interim Remedial Measure Construction Completion Report	<b>Oct-12</b>	
NYSDEC Approval of LIRR Interim Remedial Measure Construction Completion Report	<b>Aug-12</b>	
Draft 87 Community Road Construction Completion Report Submitted to NYSDEC	<b>Feb-16</b>	
Final 87 Community Road Construction Completion Report Submitted to NYSDEC	<b>Apr-16</b>	
OU-3 Groundwater Monitoring Program Start	TBD	Ongoing

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Bay Shore IRM No. OU-3A - Brightwaters Yard and Downgradient Groundwater Investigation and Treatment (**Formerly IRM No. 1**)  
 Bay Shore IRM No. OU-3B - Brightwaters Yard Underground Storage Tank Removal and Area Investigation (**Formerly IRM No. 2**)  
 Bay Shore IRM No. OU-3C - Brightwaters Yard Underground Storage Tank Area Remediation (**Formerly IRM No. 5**)

## Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Bay Shore – Watchogue Creek/Crumbs Brook (OU-4)**

<b>Activity / Event</b>	<b>Milestone Date</b>	<b>Schedule Revisions</b>
Interim Remedial Measure No. OU-4A Start	<b>Dec-99</b>	
Interim Remedial Measure No. OU-4A Complete	<b>Mar-01</b>	
Interim Remedial Measure No. OU-4B Start	<b>Sep-00</b>	
Interim Remedial Measure No. OU-4B Complete	<b>May-02</b>	
Submit Draft Interim Remedial Measure OU-4C Work Plan to NYSDEC	<b>Apr-05</b>	
Submit Final Interim Remedial Measure OU-4C Work Plan to NYSDEC	<b>Apr-06</b>	
Mobilization for Interim Remedial Measure OU-4C	<b>Apr-11</b>	
Site Restoration/Demobilization for Interim Remedial Measure OU-4C	<b>Apr-12</b>	
Submit 22 Oak St. Sampling Plan to NYSDEC for Interim Remedial Measure OU-4D	<b>Mar-03</b>	
Perform 22 Oak St. Sampling for Interim Remedial Measure OU-4D	<b>May-03</b>	
Submit 22 Oak St. Report to NYSDEC for Interim Remedial Measure OU-4D	<b>Jul-03</b>	
Submit Final 22 Oak St. Report to NYSDEC for Interim Remedial Measure OU-4D	<b>Sep-03</b>	
Submit Draft Interim Remedial Measure OU-4D Work Plan to NYSDEC	<b>Apr-04</b>	
Submit Final Interim Remedial Measure OU-4D Work Plan to NYSDEC	<b>Jan-05</b>	
Mobilization for Interim Remedial Measure OU-4D	<b>Nov-05</b>	
Site Restoration/Demobilization for Interim Remedial Measure OU-4D	<b>Apr-12</b>	
Submit Evaluation of Monitoring Results to NYSDEC	<b>Oct-13</b>	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Bay Shore – Watchogue Creek/Crumbs Brook (OU-4) (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Submit Interim Remedial Measure OU-4D Construction Report to NYSDEC	<b>Oct-12</b>	
Submit OU-4 Draft Remedial Design Work Plan to NYSDEC	<b>Dec-10</b>	
Submit Final OU-4 Remedial Design Work Plan to NYSDEC	<b>Jan-11</b>	
Mobilization to Field for OU-4	<b>Apr-11</b>	
Construction Start for OU-4	<b>May-11</b>	
Site Restoration and Demobilization for OU-4	<b>May-12</b>	
Submit OU-4 RA Construction Report to DEC	<b>Aug-12</b>	
DEC Approval of OU-4 RA Construction Report	<b>Sep-13</b>	
OU-4 Groundwater Monitoring Phase	--	Ongoing

>>>>>>**Bold Font – Actual Completion Date**<<<<<<

Bay Shore IRM No. OU-4A – Watchogue Creek, Cesspool, Pond and Creek Investigation (**Formerly IRM No. 3**)  
 Bay Shore IRM No. OU-4B – Watchogue Creek Sediment Removal and Creek Restoration (**Formerly IRM No. 4**)  
 Bay Shore IRM No. OU-4C –Pond Remediation (**Formerly IRM No.**  
 Bay Shore IRM No. OU-4D – Cesspool Area Remediation

# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Belmont Holder**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Bridget Callaghan  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

\*Activity at this site is deferred on agreement with NYSDEC.

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Belmont Holder

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Aug-07</b>	
Submit Work Plan to NYSDEC	<b>Mar-11</b>	
Work Plan Approved	<b>Sep-11</b>	
Field Investigation Program Start	--	
Field Investigation Program Complete	--	
Draft Site Characterization Report Submitted to NYSDEC	--	
Final Site Characterization Report Issued	--	
Significant Threat or No Further Action Determination	--	

**>>>>>Bold Font – Actual Completion Date<<<<<<**

\*Activity at this site is deferred on agreement with NYSDEC

# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0552-0606*** **Brentwood Disposal Site**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Steve Karpinski  
National Grid Project Manager – Bill Ryan

***March 31, 2018***

### **Field Activities**

- None

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- None

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- None

### **Problems Encountered/Efforts to Mitigate Delays**

- None

National Grid has received the Covenant not to Sue from NYSDEC. Site is considered closed.



## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Brentwood Disposal Site

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	Sep-07	
Submit Work Plan to NYSDEC	Aug-07	
Work Plan Approved	Oct-07	
Field Investigation Program Start	Oct-07	
Field Investigation Program Complete	Nov 07	
Draft Site Characterization Report Submitted to NYSDEC	Jul-08	
Final Site Characterization Report Issued	Sep-08	
Draft Interim Remedial Measure (IRM) Work Plan Submitted to the NYSDEC	Sep-08	
Final IRM Work Plan Issued	Oct-08	
IRM Program Start	Oct-08	
IRM Program Complete	Oct-09	
Draft IRM Completion Report Issued to the NYSDEC	Jul-09	
Final IRM Completion Report Issued	Oct-09	
Significant Threat or No Further Action Determination	Oct-09	

***No Further Action is Required at this Site***

>>>>>Bold Font – Actual Completion Date<<<<<<

# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Brooklyn Gas Light Works**

NYSDEC Project Manager – Scott Deyette

NYSDOH Project Manager – Bridget Callaghan

National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

Activity at this site is deferred on agreement with NYSDEC.

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Brooklyn Gas Light Works

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Aug-07</b>	
Submit Work Plan to NYSDEC	<b>Mar-11</b>	
Work Plan Approved	<b>Sep-11</b>	
Field Investigation Program Start	--	
Field Investigation Program Complete	--	
Draft Site Characterization Report Submitted to NYSDEC	--	
Final Site Characterization Report Issued	--	
Significant Threat or No Further Action Determination	--	

Activity at this site is deferred on agreement with NYSDEC.

**>>>>>Bold Font – Actual Completion Date<<<<<**

# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0460-0502 (Terminated)*** **Citizens Gas Works Site (Carroll Gardens)**

NYSDEC Project Manager – John Miller  
NYSDOH Project Manager – Chris Doroski  
National Grid Project Manager – Pat Van Rossem  
Website – [www.citizensmgpsite.com](http://www.citizensmgpsite.com)

***March 31, 2018***

### **Field Activities**

#### **OU-1**

- None

#### **OU-2**

- None

### **Deliverables**

#### **OU-1**

- None

#### **OU-2**

- None

### **Planned April & May 2018 Activities**

#### **OU-1**

- None

#### **OU-2**

- None

### **Schedule Deviations**

- •NYSDEC provided approval of the 100% RD on January 2, 2018 and NYC has contacted the judge about the status of the eviction for their tenant (Ferrara Concrete) who continues to occupy Citizen's Parcels 1-2. National Grid is awaiting the judge's ruling regarding the relocation of NYC's tenant so that the remediation contractor procurement activities can be scheduled.

# **Progress Report for February & March 2018**

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- See Schedule Deviations Above

# Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Index No. A2-0460-0502  
Citizens Gas Works (Carroll Gardens)

Activity / Event	Milestone Date	Schedule Revisions
DEC VCA Signed	<b>Aug-02</b>	
Investigation Work Plan Approved	<b>Dec-02</b>	
Field Investigation Program Start	<b>Mar-03</b>	
Field Investigation Program Complete	<b>Jun-03</b>	
Supplemental Investigation Program Start	<b>Oct-04</b>	
Supplemental Field Investigation Program Complete	Jun-05	
Draft Investigation Report Submitted to NYSDEC	<b>Dec-03</b>	
Draft Revised Investigation Report Submitted to NYSDEC	<b>Sep-05</b>	
Final Investigation Report Issued	<b>Oct-05</b>	
Investigation Report Approved	<b>Dec-05</b>	
Remedial Alternatives Analysis Submitted to NYSDEC	<b>Jan-07</b>	
Draft Remedial Action Work Plan Submitted to NYSDEC	<b>Feb-07</b>	
Remedial Action Work Plan Approved	<b>Apr-07</b>	
Remedial Design Work Plan Submitted to NYSDEC	<b>Sep-07</b>	
50% Remedial Design Submitted	<b>Jun-11</b>	
50% Remedial Design Approved	<b>Jul-11</b>	
Pilot Test Program Start	<b>Feb-14</b>	
Pilot Test Program Complete	<b>Mar-14</b>	
SDI Work Plan Submitted to NYSDEC	<b>Apr-15</b>	
SDI Work Plan Approved by NYSDEC	<b>Apr-15</b>	
SDI Field Work Start	<b>May-15</b>	
SDI Field Work Complete	<b>Feb-16</b>	

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## Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Index No. A2-0460-0502  
Citizens Gas Works (Carroll Gardens) – (cont.)**

<b>Activity / Event</b>	<b>Milestone Date</b>	<b>Schedule Revisions</b>
Barrier Wall Pilot Test Program Report Submitted to NYSDEC	<b>Aug-15</b>	
SDI Report Submitted to NYSDEC	<b>Jun-16</b>	
90% Remedial Design Submitted to NYSDEC	<b>Aug-16</b>	
90% Remedial Design Approved	<b>Aug-16</b>	
95% Remedial Design Submitted to NYSDEC	<b>Jan-17</b>	
95% Remedial Design Approved	<b>Apr-17</b>	
100% Remedial Design Submitted to NYSDEC	<b>Nov-17</b>	
100% Remedial Design Approved	<b>Jan-18</b>	
Remedial Construction Start	--	

>>>>>>**Bold Font – Actual Completion Date**<<<<<<

# **Progress Report for February & March 2018**

***Order on Consent – Index No. D2-0001-98-04***

**Clifton Former MGP Site**

NYSDEC Project Manager – Gardiner Cross  
NYSDOH Project Manager – Stephanie Selmer  
National Grid Project Manager – Sarah Aldridge/Katherine Vater  
[www.cliftonmgpsite.com](http://www.cliftonmgpsite.com)

***March 31, 2018***

Remedial design and construction activities at the Clifton Works Former MGP Site are identified by two operable units: OU-1 and OU-2. Following completion of the construction activities, the areas of the Site under SMP are defined as the Site.

## **Field Activities**

### **Site**

- Continued the NAPL gauging program.
- Continued the passive DNAPL Recovery Program and recovered approximately 29 gallons of DNAPL/water mixture.
- Conducted monthly effluent sampling of Groundwater Treatment System for the 40 Willow Avenue Containment Cell.
- Provided oversight of a soil boring advanced on Greenfield Avenue by Bay Street. The boring was for the Metropolitan Transit Authority for the installation of a radio tower.
- The Groundwater Treatment System for the 40 Willow Avenue Containment Cell temporarily stopped on February 23, 2018 due an alarm condition related to the pressure transmitter. The alarm was caused by an instrumentation error and cleared upon reseating of signal wires. Due to a motor fault occurring upon resolution of the signal issue the system remained offline until pump maintenance could be performed on March 6, 2018, at which time the system was returned to normal, automatic operation.
- Cybersecurity upgrades were installed on the Groundwater Treatment System for the 40 Willow Avenue Containment Cell control panel. Upgrades were completed over a two-week period ending March 6, 2018, at which time a firewall was installed to provide elevated security for the internet-connected control panel.

## **Deliverables**

### **Site**

- Submitted Semiannual Report #3 (January – June 2017) and Annual Periodic Review Report #1 to NYSDEC via the project portal server on February 16, 2018.
- Submitted a permit equivalent renewal letter for effluent discharge of the Groundwater Treatment System for the 40 Willow Avenue Containment Cell to NYSDEC on March 22, 2018.



# **Progress Report for February & March 2018**

## **Planned April & May 2018 Activities**

- Continue NAPL gauging and Passive DNAPL Recovery Program.
- Continue 40 Willow Avenue Containment Pad Groundwater Treatment System operations.
- Submit Semiannual Report #4 (July – December 2017) to NYSDEC.

## **Schedule Deviations**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Clifton Operable Unit 1

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Apr-98	
Work Plan Approved	Oct-98	
Final Remedial Investigation Work Plan Issued	Nov-98	
Field Investigation Program Start	Feb-99	
Field Investigation Program Complete	Dec-99	
Draft Remedial Investigation/RA Report Submitted to NYSDEC	Aug-00	
Draft Supplemental Remedial Investigation Work Plan Submitted to NYSDEC	Oct-01	
Final Supplemental Remedial Investigation Work Plan Issued	May-02	
Supplemental Field Investigation Program Start	Nov-01	
Interim Remedial Measure Work Plan Off-Site Area (Lynhurst Ave. properties)	Mar-02	
Supplemental Field Investigation Program Complete	Jun-02	
Interim Remedial Measure Start	Sep-02	
Draft Remedial Investigation Report OU-1 Submitted to NYSDEC	Feb-02	
Draft Revised Remedial Investigation Report OU-1 S	Dec-02	
Draft Focused Feasibility Study Submitted to DEC	Dec-02	
Interim Remedial Measure Complete	Sep-03	
Well Abandonment Work Plan Issued	Oct-03	
Final Draft Focused Feasibility Study Issued	Nov-03	
Interim Remedial Measure Completion Report Issued	Jan-04	
Well Abandonment Letter Report Issued	Jan-04	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Clifton Operable Unit 1 (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC issued PRAP	<b>Feb-04</b>	
NYSDEC issued ROD	<b>Mar-04</b>	
Final Feasibility Study Report Issued	<b>Apr-04</b>	
Final Remedial Investigation Report Issued	<b>Jun-04</b>	
Draft Remedial Design Work Plan OU-1 Submitted to NYSDEC	<b>Jun-04</b>	
Remedial Design Issued	<b>Dec-04</b>	
Phase I Jet Grout Demonstration Start	<b>Dec-04</b>	
Phase I Jet Grout Demonstration Complete	<b>Apr-05</b>	
Remedial Design OU-1 Issued	<b>Jun-05</b>	
Issued Phase I Jet Grout Demonstration Letter	<b>Aug-05</b>	
Remedial Construction OU-1 Start	<b>Sep-05</b>	
Issued Remedial Design Letter Report-Waterloo Barrier Installation	<b>Oct-05</b>	
Issued Revised Remedial Design Letter Report- Waterloo Barrier Installation	<b>Nov-05</b>	
Interim Remedial Measure Off-site (990 Bay Street)	<b>Aug-05</b>	
Waterloo Barrier Installation Start	<b>Jan-06</b>	
Temporary Stop to Waterloo Barrier Installation	<b>Feb-06</b>	
Develop Noise and Vibration Mitigation Plan	<b>Mar-06</b>	
Proposed Noise/ Vibration Mitigation Plan Issued	<b>Apr-06</b>	
Trial Field Remedial Design Work Plan Submitted to NYSDEC	<b>Apr-06</b>	
Trial Field Installation Activities Start	<b>Apr-06</b>	
Trial Field Installation Activities Complete	<b>Jul-06</b>	

>>>>>>Bold Font – Actual Completion Date<<<<<<

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Clifton Operable Unit 1 (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Interim Trial Field Data Transmittal	<b>Sep-06</b>	
Issued Revised Noise/ Vibration Mitigation Plan	<b>Dec-06</b>	
Implement Noise/ Vibration Mitigation Plan	<b>Feb-07</b>	
Construction Noise/ Vibration Mitigation Plan Elements	<b>Mar-07</b>	
Re-start Waterloo Barrier Installation	<b>Apr-07</b>	
Waterloo Barrier Installation Complete	<b>Jul-07</b>	
Final Remedial Redial Design Report Submitted to NYSDEC	<b>Feb 07</b>	
Trial Field Report Issued	<b>Feb-08</b>	
Full Scale Jet Grout Production Start	<b>Jun-08</b>	
Remedial Construction Complete OU-1	<b>Nov-09</b>	
Draft Remedial Construction Report OU-1 Submitted to NYSDEC	<b>May-10</b>	
Final Remedial Construction Report OU-1 Issued	<b>Jul-10</b>	

See Site and Off-Site Areas Schedule following for subsequent activities/events.

>>>>>>**Bold Font – Actual Completion Date**<<<<<<

OU-1 – 40 Willow Avenue Parcel (The parcel bounded by Willow and Bay Streets and Lynhurst Avenue properties

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Clifton Operable Unit 2

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Apr-98</b>	
Work Plan Approved	<b>Oct-98</b>	
Final Remedial Investigation Work Plan Issued	<b>Nov-98</b>	
Field Investigation Program Start	<b>Feb-99</b>	
Field Investigation Program Complete	<b>Dec-99</b>	
Draft Remedial Investigation/RA Report Submitted to NYSDEC	<b>Aug-00</b>	
Supplemental Work Plan Submitted to NYSDEC	<b>Oct-01</b>	
Supplemental Work Plan Issued	<b>Oct-01</b>	
Supplemental Field Investigation Program Start	<b>Nov-01</b>	
Supplemental Remedial Investigation Work Plan Submitted to NYSDEC	<b>May 02</b>	
Supplemental Remedial Investigation Work Plan Off-site Areas Submitted to NYSDEC	<b>Nov-02</b>	
Draft Sub-slab Soil Vapor/Vapor Intrusion Work Plan submitted to NYSDEC	<b>Aug-03</b>	
Draft Remedial Investigation Report OU-2 Submitted to NYSDEC	<b>May-03</b>	
SRI Work Plan (Off-Site Area-1 Edgewater Street/ Edgewater Plaza) issued	<b>Oct-03</b>	
Interim Remedial Measure Work Plan (OU-2 Parking Lot) submitted to NYSDEC	<b>Mar-03</b>	
Interim Remedial Measure (OU-2 Parking Lot) Implemented	<b>May-04</b>	
Draft Focused Feasibility Study OU-2 Submitted to DEC	<b>Nov-04</b>	
SRI Interim Data Deliverable (Off-Site Area-1 Edgewater Street/ Edgewater Plaza) Submitted to NYSDEC	<b>Aug-04</b>	
Soil Vapor Monitoring Work Plan (Off-Site Area-1 Edgewater Street/ Edgewater Plaza) Submitted to NYSDEC	<b>Dec-04</b>	

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## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program ACO Milestone Schedule Clifton Operable Unit 2 (Cont.)		
Activity / Event	Milestone Date	Schedule Revisions
Draft Remedial Investigation Report OU-2 Submitted to NYSDEC	<b>Dec 04</b>	
Final Remedial Investigation Report OU-2 Issued	<b>Feb-05</b>	
Draft Focused Feasibility Study Report OU-2 Submitted to NYSDEC	<b>Mar-05</b>	
SRI Work Plan (Off-Site Area-1 Edgewater Street/ Edgewater Plaza) Submitted to NYSDEC	<b>Jul-05</b>	
Final Draft Focused Feasibility Study OU-2 Issued	<b>Dec-05</b>	
NYSDEC Issued PRAP	<b>Jan-06</b>	
Final Feasibility Study Report Issued	<b>Oct-06</b>	
NYSDEC Issued ROD	<b>Dec-06</b>	
Draft Interim Remedial Measure Work Plan Off- Site Area (89 Willow Avenue) Submitted to NYSDEC	<b>Jul-07</b>	
Revised Supplemental Remedial Investigation Work Plan (89 Willow Avenue) Submitted to NYSDEC	<b>Sep-07</b>	
Supplemental Investigation Complete	<b>Mar-08</b>	
Draft Supplemental Remedial Investigation Report Off-Site Area (89 Willow Avenue) Submitted to NYSDEC	<b>Mar-08</b>	
Remedial Design Work Plan Submitted to NYSDEC	<b>Apr-08</b>	
SRI Interim Data Deliverable (Off-Site Area-1 Edgewater Street/ Edgewater Plaza) Issued	<b>Apr-08</b>	
Final Supplemental Remedial Investigation Report Off-Site Area (89 Willow Avenue) Issued	<b>Jun-08</b>	
Interim Remedial Measure 89 Willow Avenue (Off- Site Area) Implementation Start/ Completed	<b>Jul-08</b>	
Draft Supplemental Remedial Investigation Report Off-Site Area (1 Edgewater Street) Submitted to NYSDEC	<b>Sep-08</b>	
>>>>>> <b>Bold Font – Actual Completion Date</b> <<<<<<		

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Clifton Operable Unit 2 (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Interim Remedial Measure Completion Report Off-Site Area (89 Willow Avenue) Submitted to NYSDEC	<b>Oct-08</b>	
Site Management Plan Off-Site Area (89 Willow Avenue) Submitted to NYSDEC	<b>Oct-08</b>	
Final Remedial Design Work Plan Issued	<b>Dec-08</b>	
Pre-Design Investigation Start	<b>Dec-09</b>	
Pre-Design Investigation Complete	<b>Nov-11</b>	
Remedial Design OU-2 (90%) Submitted to NYSDEC	<b>Dec-10</b>	
Remedial Design OU-2 Issued (100%) Submitted to NYSDEC	<b>Aug-11</b>	
Remedial Construction OU-2 Start	<b>Feb-12</b>	
Remedial Construction OU-2 Complete	<b>Apr-13</b>	
Draft Remedial Construction OU-2 Report Submitted to NYSDEC	<b>Jan-14</b>	
Modification to OU-2 Site Boundary Request to NYSDEC	<b>Jan-14</b>	
Draft Remedial Construction OU-2 Report Accepted by NYSDEC	<b>Feb-14</b>	
Final Remedial Construction OU-2 Report Sent to NYSDEC/NYSDOH	<b>Mar-14</b>	
Modification to OU-2 Site Boundary Approved by NYSDEC	<b>Mar-14</b>	
Draft Final Engineering Report to NYSDEC	<b>Apr-14</b>	
Final Engineering Report to NYSDEC/NYSDOH	Jun-18	

See Site and Off-Site Areas Schedule following for subsequent activities/events.

>>>>>>**Bold Font – Actual Completion Date**<<<<<<

OU-2 – 25 Willow Avenue Parcel (the parcel bounded by Willow and Bay Streets and railroad properties.)

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Clifton Site & Off-Site Areas

Activity / Event	Milestone Date	Schedule Revisions
Site Management Plan Revision 01 Draft (Off-Site Area-1 Edgewater Street/Edgewater Plaza) Submitted to NYSDEC	<b>Jan-13</b>	
Site Management Plan Revision 01 (Off-Site Area-1 Edgewater Street/Edgewater Plaza) Approved by NYSDEC	<b>Jan-14</b>	
Site Management Plan Draft (Site Areas) Submitted to NYSDEC	<b>Feb-14</b>	
Site Management Plan Revision 01 Final (Off-Site Area-1 Edgewater Street/Edgewater Plaza) Submitted to NYSDEC/NYSDOH	<b>Mar-14</b>	
Site Management Plan Final (Site Areas) Submitted to NYSDEC	<b>May-14</b>	
OU-1 Containment Pad Depressurization System Installation and Start-up Work Plan Submitted to NYSDEC	<b>Aug-14</b>	
Notification of Change in Ownership – One Edgewater Plaza (Off-Site Area)	<b>Oct-14</b>	
Interim Operations and Maintenance Report (2013 to July 2014)	<b>Apr-15</b>	
Notification of Change in Ownership – One Edgewater Plaza (Off-Site Area)	<b>Jul-15</b>	
Soil Characterization Work Plan for Utility Line Replacement Corridor	<b>Aug-15</b>	
Soil Characterization Pre-Design Investigation for Utility Line Replacement Corridor	<b>Sep-15</b>	
Draft Environmental Specifications for Willow Avenue Sewer Installation within NYSDEC-approved Site Management Plan Area	<b>Sep-15</b>	
Modification to the OU-1 Containment Pad Depressurization System	<b>Dec-15</b>	
National Grid Gas Operations Vault Repairs, Soil Characterization Work Plan	<b>Dec-15</b>	
Site Management Plan Final (Site Areas) Submitted to NYSDEC	<b>Jan-16</b>	

>>>>>>**Bold Font – Actual Completion Date**<<<<<<



# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Clifton Site & Off-Site Areas

Activity / Event	Milestone Date	Schedule Revisions
O&M and monitoring Reports	Jan-16	
OU-1 Containment Pad Depressurization System Start-up Testing	<b>Feb-16</b>	
OU-1 Containment Pad Depressurization System Construction Completion Report	<b>Dec-16</b>	
Environmental Easement Draft (40 Willow Ave) Submitted to NYSDEC	<b>Dec-16</b>	
Semi-Annual Review Reports	Ongoing	
Periodic Review Report	Ongoing	
Environmental Easement Draft (One Edgewater Plaza) Submitted to NYSDEC	TBD	
Environmental Easement Draft (25 Willow Ave)	<b>Dec-17</b>	

>>>>>**Bold Font – Actual Completion Date**<<<<<<

Site refers to portions of OU-1 and OU-2 subject to Site Management Plan and remaining following Site Boundary Revisions by NYSDEC, as described in Site Management Plan. Off-Site refers to 1 Edgewater Street/Edgewater Plaza.

# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. D2-001-94-12***

### **Coney Island Former MGP Site**

NYSDEC Project Manager – Sarah Saucier

NYSDOH Project Manager – Albert DeMarco

National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

#### **Field Activities**

- Conducted the first 2018 semi-annual groundwater sampling and NAPL gauging event.

#### **Remedial Design & Construction**

- None

#### **Deliverables**

- None.

#### **Planned April & May 2018 Activities**

- None.

#### **Schedule Deviations**

- None

#### **Work Plan Modifications That Have Been Approved**

- None

#### **CPP and Community Activities**

- The site's Telephone Hotline was maintained and monitored.

#### **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Coney Island (OU-1)\*

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>May-95</b>	
Work Plan Approved	<b>Aug-96</b>	
Field Investigation Program Start	<b>Sep-96</b>	
Field Investigation Program Complete	<b>Dec-96</b>	
Interim Remedial Measure No. 1 Start	<b>Oct-97</b>	
Interim Remedial Measure No. 1 Complete	<b>Nov-97</b>	
Draft Remedial Investigation/RA Report Submitted to NYSDEC	<b>Apr-98</b>	
Final Remedial Investigation/RA Report Issued	<b>Sep-98</b>	
Draft Focused Feasibility Study Submitted to NYSDEC	<b>Mar-99</b>	
Final Focused Feasibility Study Issued	<b>May-00</b>	
PRAP Issued or RAP Submitted to NYSDEC	--	
ROD Issued or RAP Approved	<b>Mar-01</b>	
Remedial Design Work Plan Submitted to NYSDEC	<b>Feb-02</b>	
Final Remedial Design Work Plan Submitted to NYSDEC	<b>Jul-02</b>	
Preliminary Remedial Design Submitted to NYSDEC	<b>Sep-02</b>	
Remedial Design Issued	<b>Dec-02</b>	
Remedial Construction Start (OU - 1)	<b>Dec-03</b>	
Remedial Construction Complete (OU - 1)	<b>Apr-04</b>	
Remedial Construction Report (OU-1) Submitted to NYSDEC	<b>Jul-04</b>	
Site Management Plan Revision2 approved	<b>Aug 10</b>	
Explanation of Significant Difference Issued by NYSDEC	<b>Feb-12</b>	

>>>>>>Bold Font – Actual Completion Date<<<<<<

## Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Coney Island (OU-1)\* (Cont'd)**

Activity / Event	Milestone Date	Schedule Revisions
Environmental Notice Executed by NYSDEC	<b>Mar-12</b>	
Final Engineering Report (OU-1 approved)	-- <b>Jun-13</b>	
Remedial O&M	Ongoing	

>>>>>**Bold Font – Actual Completion Date**<<<<<<

\* Coney Island Operable Units

- OU-1 – Sheet piling on site perimeter, temporary groundwater treatment for upland site
- OU-2 – Coney Island Creek
- OU-3 – Remainder of Coney Island upland site

## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program ACO Milestone Schedule Coney Island Creek (OU-2) and Phase II of Coney Island Site (OU-3)*		
Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	May-95	
Work Plan Approved	Jul-99	
Field Investigation Program Start	Sep-99	
Field Investigation Program Complete	Oct-99	
Interim Remedial Measure No. 1 Start	Jul-93	
Interim Remedial Measure No. 1 Complete	Ongoing	
Draft Remedial Investigation/RA Report Submitted to NYSDEC	Jan-00	
Final Remedial Investigation/RA Report Issued	Sep-01	
Draft Focused Feasibility Study Submitted to NYSDEC	Jan-00	
Final Draft Focused Feasibility Study Issued	Oct-01	
PRAP Issued or RAP Submitted to NYSDEC	Feb-02	
ROD Issued or RAP Approved	Mar-02	
Remedial Design Work Plan (OU-2 and OU-3) Submitted to NYSDEC	Dec-02	
Remedial Design (OU-2 and OU-3) Submitted to NYSDEC	Jan-06	
Remedial Design Issued (OU-2 and OU-3)	Aug-06	
Remedial Construction Start	Mar-07	
Remedial Construction Complete	Oct-09	
Final Engineering Report (OU-2 and OU-3) Issued	Nov-09	
Site Management Plan Revision 2 approved by NYSDEC	Aug-10	
Final Engineering Report (OU-2 and OU-3) approved	Jun-13	
Remedial OM&M	Ongoing	
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* Coney Island Operable Units - OU-1 – Sheet piling on site perimeter, temporary groundwater treatment for upland site - OU-2 – Coney Island Creek - OU-3 – Remainder of Coney Island upland site		

# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0552-0606*** **Dangman Park Former MGP Site**

NYSDEC Project Manager – William Wu  
NYSDOH Project Manager – Dawn Hettrick  
National Grid Project Manager – Katherine Vater / Bill Ryan

***March 31, 2018***

### **Field Activities**

- Community air monitoring and on-site observation is being conducted by Arcadis, on behalf of National Grid, during Lot 1R redevelopment excavation activities conducted within the Site boundary and/or the extent of NAPL defined during the Remedial Investigation. The monitoring is conducted in accordance with the NYSDEC-approved Community Air Monitoring Plan.
- Placement of the demarcation layer (orange high-density polyethylene visual barrier) within Area 2 of the Excavation IRM began in March 2018, in conjunction with the redevelopment construction activities. Arcadis is on-site to observe and document placement of the demarcation layer; details will be provided in the forthcoming Construction Completion Report (CCR) for the recently completed Interim Remedial Measures (IRMs).

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- Continue community air monitoring, as needed, during Lot 1R redevelopment excavation activities.
- Observe and document placement of the demarcation layer within Area 2.
- Prepare the draft CCR.
- Prepare the draft Site Management Plan.

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- The site's Telephone Hotline was maintained and monitored.
- The site's Website will be updated and the CCR posted to the website once finalized.

### **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

<b>National Grid Manufactured Gas Plant Program ACO Milestone Schedule Dangman Park</b>		
<b>Activity / Event</b>	<b>Milestone Date</b>	<b>Schedule Revisions</b>
NYSDEC ACO Signed	<b>Feb-07</b>	
Work Plan to Submitted to NYSDEC	<b>Dec-08</b>	
Site Characterization Work Plan Approved	<b>Apr-09</b>	
Site Characterization Field Investigation Program Start	<b>Nov-09</b>	
Site Characterization Field Investigation Program Complete	<b>Mar-10</b>	
Final Site Characterization Data Summary Issued	<b>Apr-10</b>	
Site Characterization Data Summary Addendum Submitted to NYSDEC	<b>May-10</b>	
Remedial Investigation Work Plan Submitted to NYSDEC	<b>Sep-11</b>	
Remedial Investigation Field Investigation Program Start	<b>Sep-11</b>	
Remedial Investigation Field Investigation Program Complete	<b>Sep-11</b>	
Remedial Investigation Data Summary Submitted to NYSDEC	<b>Sep-12</b>	
Cross Sections and Boring Logs Submitted to NYSDEC	<b>Nov-12</b>	
SRI Work Plan Submitted to NYSDEC	<b>Mar-13</b>	
RIWP Addendum 1 Field Investigation	<b>Dec-13</b>	
Draft Remedial Investigation Report Submitted to NYSDEC	<b>Apr-14</b>	
Final Remedial Investigation Report Issued	<b>Jul-14</b>	
Property Redevelopment – Geotechnical Investigation – Notification Letter (Phase 1)	<b>Jan-15</b>	
	<b>Sep-15</b>	
Draft Supplemental Remedial Investigation (Pre-Design Investigation) Work Plan	--	
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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Dangman Park – cont.

Activity / Event	Milestone Date	Schedule Revisions
Final Supplemental Remedial Investigation (Pre-Design Investigation) Work Plan	<b>Sep-15</b>	
Supplemental Remedial Investigation Completed	<b>Oct-15</b>	
Property Redevelopment – Owner's Geotechnical Investigation – Notification Letter (Phase 2)	<b>Nov-15</b>	
Final Supplemental Remedial Investigation Work Plan – Hydrogeologic Testing Work Plan	<b>Dec-15</b>	
Final Supplemental Remedial Investigation Work Plan – Hydrogeologic Testing Work Plan Approved by NYSDEC	<b>Dec-15</b>	
Owner's Geotechnical Investigation (Phase 1) Documentation Report	<b>Dec-15</b>	
Supplemental Remedial Investigation – Hydrogeologic Testing Completed	Jan-16	
Final Supplemental Remedial Investigation Work Plan – Locate and Identify Utilities in the Back Alley Work Plan	<b>Jan-16</b>	
Final Supplemental Remedial Investigation Work Plan – Locate and Identify Utilities in the Back Alley Work Plan Approved by NYSDEC	<b>Jan-16</b>	
Supplemental Remedial Investigation – Utility Identification in Back Alley Completed	<b>Mar-16</b>	
Final Supplemental Remedial Investigation – Investigation of Utilities and Tar Tank Footprint in the Back Alley Work Plan	<b>Apr-16</b>	
Final Supplemental Remedial Investigation – Investigation of Utilities and Tar Tank Footprint in the Back Alley Work Plan Approved by NYSDEC	<b>Apr-16</b>	
Proposed Monitoring Well Decommissioning Plan	<b>Apr-16</b>	
Proposed Monitoring Well Decommissioning Plan Approved by NYSDEC	<b>May-16</b>	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Dangman Park – cont.

Activity / Event	Milestone Date	Schedule Revisions
Supplemental Remedial Investigation – Investigation of Utilities and Tar Tank Footprint Completed	<b>May-16</b>	
Draft Supplemental Remedial Investigation Report submitted to NYSDEC	May-16	
Draft Interim Remedial Measure Work Plan submitted to NYSDEC	May-16	
Monitoring Well Decommissioning Field Work	Jun-16	
Revised Draft Interim Remedial Measure Design Work Plan	<b>Sep-16</b>	
Draft In-Situ Treatment IRM Work Plan	<b>Sep-16</b>	
Final Supplemental Remedial Investigation Report submitted to NYSDEC	<b>Sep-16</b>	
Final Interim Remedial Measure Design Work Plan	<b>Nov-16</b>	
Draft 95% Excavation IRM	<b>Nov-16</b>	
Final In-Situ Treatment IRM Work Plan	<b>Dec-16</b>	
Draft 100% Excavation IRM	<b>May-17</b>	
In-situ Treatment IRM Construction Begins	<b>Apr-17</b>	
In-situ Treatment IRM Construction Completed	<b>Jun-17</b>	
Draft 100% Excavation IRM Approved by NYSDEC	<b>Jun-17</b>	
Excavation IRM Construction Begins	<b>Aug-17</b>	
Construction Completion Report	TBD	
PRAP Issued	TBD	
ROD Issued	TBD	
Draft Site Management Plan Issued to NYSDEC	--	
Final Site Management Plan Issued to NYSDEC	--	

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## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Dangman Park – cont.

Activity / Event	Milestone Date	Schedule Revisions
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Environmental Easement Draft (Site) Submitted to NYSDEC	--	
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Site Management Plan O&M or Monitoring	--	
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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***  
**East Garden City (Stewart Avenue) Former Holder Station**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Steve Karpinski  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- Conduct the annual groundwater sampling event.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

<b>National Grid Manufactured Gas Plant Program ACO Milestone Schedule East Garden City (Stewart Avenue) Former Holder Station</b>		
<b>Activity / Event</b>	<b>Milestone Date</b>	<b>Schedule Revisions</b>
NYSDEC ACO Signed	<b>Feb-07</b>	
Interim Remedial Measure Work Plan Approved	<b>Dec-07</b>	
Interim Remedial Measure Field Work Completed	<b>Jan-08</b>	
Draft Interim Remedial Measure Summary Report Submitted to NYSDEC	<b>Jul-08</b>	
Final Interim Remedial Measure Summary Report Submitted to NYSDEC	<b>Jul-08</b>	
Site Characterization Work Plan Submitted to NYSDEC	<b>Sep-10</b>	
Work Plan Approved	<b>Dec-10</b>	
Field Investigation Program Start	<b>May-11</b>	
Field Investigation Program Complete	<b>Jun-11</b>	
Draft Site Management Plan Submitted to NYSDEC	<b>Dec-11</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Dec-12</b>	
Final Site Characterization Report Issued	<b>Feb-12</b>	
Final 2014 Annual Groundwater Sampling Report Submitted and approved by NYSDEC	<b>Oct-14</b>	
NOI Letter - Cable Trench Pre-characterization in Southwest Portion of Electric Yard Submitted to NYSDEC	<b>Feb-15</b>	
NYSDEC approved NOI Letter - Cable Trench Pre-characterization in Southwest Portion of Electric Yard	<b>Feb-15</b>	
NOI Letter - Cable Trench in Pre-characterization in Northeast Portion of Electric Yard Submitted to NYSDEC	<b>Mar-15</b>	
Cable Trench Pre-characterization Summary Letter-report – Southwest Portion of Electric Yard Submitted to NYSDEC	<b>Apr-15</b>	
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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule

### East Garden City (Stewart Avenue) Former Holder Station – cont.

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC approved Cable Trench Pre-characterization Summary Letter-Report - Southwest Portion of Electric Yard	<b>May-15</b>	
Cable Trench Pre-characterization Summary Letter-Report - Northeast Portion of Electric Yard Submitted to NYSDEC	<b>May-15</b>	
Draft 2015 Annual Groundwater Sampling Report Submitted to NYSDEC	<b>Jul-15</b>	
NOI Letter - Cable Trench Excavation in Southwest Portion of Electric Yard (Soil Screening and Air Monitoring) Submitted to NYSDEC	<b>Sep-15</b>	
NYSDEC approved NOI Letter - Cable Trench Excavation in Southwest Portion of Electric Yard (Soil Screening and Air Monitoring)	<b>Oct-15</b>	
Soil Screening and Air Monitoring Summary Letter-Report - Cable Trench in Southwest Portion of Electric Yard Submitted to NYSDEC	<b>Dec-15</b>	
NYSDEC Approved Soil Screening and Air Monitoring Summary Letter-Report - Cable Trench in Southwest Portion of Electric Yard	<b>Jan-16</b>	
2015 Annual Groundwater Sampling Report approved by NYSDEC	<b>Jan-16</b>	
2016 Annual Groundwater Sampling Report submitted to NYSDEC	<b>Aug-16</b>	
2016 Annual Groundwater Sampling Report approved by NYSDEC	<b>Sep-16</b>	
2017 Annual Groundwater Sampling Report submitted to NYSDEC	<b>Jun-17</b>	
2017 Annual Groundwater Sampling Report approved by NYSDEC	<b>Aug-17</b>	
Environmental Easement	Apr-18	
Final Site Management Plan Submitted to NYSDEC	Jun-18	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0552-0606*** **Equity Works**

NYSDEC Project Manager – Gerald Pratt  
NYSDOH Project Manager – Albert DeMarco  
National Grid Project Manager – Brian Bermingham

***March 31, 2018***

### **Field Activities**

- None

### **Deliverables**

- Submitted Supplemental Investigation Work Plan for 222 Maspeth Avenue parcel for agency review and approval on March 28, 2018.

### **Planned April & May 2018 Activities**

- Complete quarterly recovery well gauging and DNAPL removal event at the 222, 252, and 254 Maspeth Avenue parcels.
- Complete supplemental investigation.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- None

### **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Equity Works

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	May-08	
Remedial Investigation Work Plan Submitted to NYSDEC	Mar-09	
Remedial Investigation Work Plan Approved	Aug-09	
Remedial Investigation Field Investigation Program Start	Sep-09	
Remedial Investigation Interim Data Deliverable Submitted to NYSDEC	Jul-11	
Remedial Investigation Work Plan Addendum No. 1 Submitted to NYSDEC	Jul-11	
Draft Interim Site Management Plan Submitted to NYSDEC	Jul-11	
Interim Site Management Plan Approved	Dec-12	
Remedial Investigation Work Plan Addendum No. 1 Approved	Aug-11	
254 Maspeth Ave Interim Remedial Measure Pre-Design Investigation Work Plan Submitted to NYSDEC	Jul-11	
254 Maspeth Ave Interim Remedial Measure Pre-Design Investigation Work Plan Approved	Aug-11	
254 and 252 Maspeth Ave Interim Remedial Measure Pre-Design Investigation Field Investigation Start	Aug-11	
Remedial Investigation Work Plan Addendum No. 1 Field Investigation Start	Aug-11	
254 Maspeth Ave Interim Remedial Measure Pre-Design Investigation Work Plan Addendum for 252 Maspeth Avenue Submitted to NYSDEC	Sep-11	
254 Maspeth Ave Interim Remedial Measure Pre-Design Investigation Work Plan Addendum for 252 Maspeth Avenue Approved	Sep-11	
254 and 252 Maspeth Ave Interim Remedial Measure Pre-Design Investigation Field Investigation Complete	Sep-11	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Equity Works (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
254 Maspeth Ave Interim Remedial Measure Work Plan Submitted to NYSDEC	<b>Dec-11</b>	
RIWP Addendum No. 2 Submitted to NYSDEC	<b>Apr-12</b>	
Remedial Investigation Work Plan Addendum No. 2 Approved	<b>May-12</b>	
Remedial Investigation Work Plan Addendum No. 2 Field Investigation Start	<b>Jun-12</b>	
254 and 252 Maspeth Ave Interim Remedial Measure Pre-Design Investigation Field Investigation Complete	<b>Sep-11</b>	
254 Maspeth Ave Interim Remedial Measure Work Plan Submitted to NYSDEC	<b>Dec-11</b>	
254 Maspeth Ave Interim Remedial Measure Work Plan Approved	<b>Jul-12</b>	
Pre-Design Investigation Work Plan No. 2 – 252 and 254 Maspeth Avenue Property Potential Barrier Wall Areas Design Submitted to NYSDEC	<b>Jul-12</b>	
Pre-Design Investigation Work Plan No. 2 - 252 and 254 Maspeth Avenue Property Potential Barrier Wall Areas Design Approved	<b>Jul-12</b>	
PDI Work Plan No. 2 Addendum- 252 and 254 Maspeth Avenue Property Potential Barrier Wall Areas Design Submitted to NYSDEC	<b>Aug-12</b>	
Pre-Design Investigation Work Plan No. 2 Addendum- 252 and 254 Maspeth Avenue Property Potential Barrier Wall Areas Design Approved	<b>Aug-12</b>	
Pre-Design Investigation Work Plan No. 2 Field Start	<b>Aug-12</b>	
Pre-Design Investigation Work Plan No. 2 Field Completion	<b>Sep-12</b>	
254 Maspeth Ave Shallow Soil Interim Remedial Measure Field Start	<b>Sep-12</b>	
254 Maspeth Ave Shallow Soil Interim Remedial Measure Completion	<b>Sep-12</b>	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Equity Works (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Product Recovery Interim Remedial Measure Work Plan Submitted to NYSDEC	<b>Dec-12</b>	
Product Recovery Interim Remedial Measure Work Plan Approved	<b>Jan-13</b>	
Remedial Investigation Work Plan Addendum No. 2 Field Investigation Completion	<b>Feb-13</b>	
Product Recovery Interim Remedial Measure (Well and System Installation) Field Start	<b>Mar-13</b>	
Interim Remedial Measure OM&M - DNAPL Recovery Start	<b>Jul-14</b>	
Product Recovery Interim Remedial Measure (Well and System Installation) Completion	<b>Jun-14</b>	
RIWP Addendum No. 2 Modification Submitted to NYSDEC	<b>May-13</b>	
Remedial Investigation Work Plan Addendum No. 2 Modification Approved	<b>May-13</b>	
Remedial Investigation Work Plan Addendum No. 2 Modification Field Investigation Start	<b>Jul-13</b>	
Remedial Investigation Work Plan Addendum No. 2 Modification Field Investigation Completion	<b>Aug-13</b>	
RIWP Addendum No. 3 Submitted to NYSDEC	<b>Aug-13</b>	
Remedial Investigation Work Plan Addendum No. 3 Approved	<b>Sep-13</b>	
Draft Construction Completion Report for 254 Maspeth Ave Shallow Soil Interim Remedial Measure Submitted to NYSDEC	<b>Jun-14</b>	
Remedial Investigation Work Plan Addendum No. 3 Field Start	<b>May-14</b>	
Remedial Investigation Work Plan Addendum No. 3 Field Completion	<b>Oct-14</b>	
Remedial Investigation Work Plan Addendum No. 3 Modification/No. 4 Submitted to NYSDEC	<b>Feb-15</b>	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Equity Works (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Remedial Investigation Work Plan Addendum No. 3 Modification/No. 4 Approved	<b>Feb-15</b>	
Remedial Investigation Work Plan Addendum No. 3 Modification/No. 4 Field Investigation Start	<b>Mar-15</b>	
Remedial Investigation Field Investigation Program Complete	<b>May-15</b>	
Draft Remedial Investigation Report Submitted to NYSDEC	<b>Mar-16</b>	
Final Remedial Investigation Report Issued	<b>Sep-16</b>	
Draft Focused Feasibility Study Submitted to NYSDEC	<b>Jul-17</b>	
Final Focused Feasibility Study Issued	--	
PRAP Issued or RAP Submitted	--	
ROD Issued or RAP Approved	--	
Remedial Design Submitted to NYSDEC	--	
Remedial Design Issued	--	
Remedial Construction Start	--	
Remedial Construction Complete	--	
Remedial O & M or Monitoring	--	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index Nos. D1-0001-99-05 and A2-0552-0606*** **Far Rockaway Former MGP Site**

NYSDEC Project Manager – Wayne Mizerak  
NYSDOH Project Manager – Stephanie Selmer  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

### **Field Activities**

- Initiated Environmental Easement Survey at 1216 and 1224 Brunswick Avenue properties.

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- Completion of Environmental Easement survey at 1216 and 1224 Brunswick Avenue properties.
- Submittal of final Site Management Plan (SMP) and Final Engineering Report (FER) for agency approval.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- None

### **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Far Rockaway

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Sep-99	
Work Plan Approved	Jan-02	
Field Investigation Program Start	Dec-02	
Field Investigation Program Complete	Dec-02	
Draft Preliminary Site Assessment Report Submitted to NYSDEC	Feb-03	
Final Preliminary Site Assessment Report Issued	Apr-03	
Significant Threat or No Further Action Determination	Mar-03	
DEC ACO Signed	Feb-07	
Work Plan Submitted to NYSDEC	Jun-07	
Work Plan Approved	Nov-07	
Field Investigation Program Start	Nov-07	
Field Investigation Program Complete	Sep-09	
Draft Remedial Investigation Report Submitted to NYSDEC	Oct-09	
Final Remedial Investigation Report Issued	Aug-11	
Draft Focused Feasibility Study Submitted to NYSDEC	Feb-12	
Final Focused Feasibility Study Issued	Feb-12	
PRAP Issued or RAP Submitted to NYSDEC	Feb-12	
ROD Issued or RAP Approved	Mar -12	
Remedial Design Submitted to NYSDEC	Nov-12	
Remedial Design Approved	Jul-13	
Remedial Construction Start	Jul-13	
Remedial Construction Complete	Feb-14	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Far Rockaway – cont.

Activity / Event	Milestone Date	Schedule Revisions
Initiate Biannual GW Monitoring	<b>Dec-14</b>	
Draft Site Management Plan and Draft Final Engineering Report Plan Submitted to NYSDEC	<b>Jan-15</b>	
Final Engineering Report and Site Management Plan Submitted to NYSDEC	Aug-18	
OM&M or Monitoring	--	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Flatbush A&B**

NYSDEC Project Manager – Scott Deyette

NYSDOH Project Manager – Stephanie Selmer

National Grid Project Manager – Sarah Aldridge / Katherine Vater

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- NYSDEC approved the annual (2017) Groundwater Monitoring and Periodic Review Report on April 5, 2018.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Flatbush A & B

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Aug-07</b>	
Submit Work Plan to NYSDEC	<b>Jan-10</b>	
Work Plan Approved	<b>Aug-10</b>	
Field Investigation Program Start	<b>Dec-10</b>	
Field Investigation Program Complete	<b>Aug-11</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Oct-11</b>	
Final Site Characterization Report Issued	<b>Dec-11</b>	
Draft Site Management Plan Submitted to NYSDEC	<b>Oct 11</b>	
Revised Draft Site Management Plan Submitted to DEC	<b>Jan-12</b>	
Final Site Management Plan Submitted to NYSDEC	<b>Mar-12</b>	
Site Management Plan OM&M Reporting	Ongoing	
Final Site Management Plan – Revision 01 Submitted to NYSDEC	<b>Feb-16</b>	
Environmental Easement Draft (Site) Submitted to NYSDEC	<b>Dec-17</b>	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0552-0606***

### **Front Street Holder Station Former MGP Site**

NYSDEC Project Manager – Scott Deyette

NYSDOH Project Manager – Arunesh Ghosh

National Grid Project Manager – Donald Campbell

***March 31, 2018***

#### **Field Activities**

- None

#### **Deliverables**

- Submitted Draft Interim Site Management Plan (ISMP) to NYSDEC and NYSDOH on March 30, 2018.

#### **Planned April & May 2018 Activities**

- Address NYSDEC and NYSDOH comments, if any, on draft ISMP.

#### **Schedule Deviations**

- None

#### **Work Plan Modifications That Have Been Approved**

- None

#### **CPP and Community Activities**

- The site Hot Line was maintained and monitored.

#### **Problems Encountered/Efforts to Mitigate Delays**

- Corporate documents have not yet been obtained for Great Front Realty. In January 2017, the easement package was submitted without certificate of incorporation.



## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Front Street Holder Station

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Feb-07</b>	
Work Plan Submitted to NYSDEC	<b>Mar-07</b>	
Work Plan Approved	<b>Nov-07</b>	
Field Investigation Program Start	<b>Oct-10</b>	
Field Investigation Program Complete	<b>Jun-11</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Dec-11</b>	
Supplemental Site Characterization Work Plan Submitted to NYSDEC	<b>May-12</b>	
Supplemental Site Characterization Work Plan Approved	<b>May-12</b>	
Supplemental Site Characterization Field Investigation Program Start	<b>Sep-12</b>	
Supplemental Site Characterization Field Investigation Program Complete	<b>Oct-12</b>	
Revised Draft Site Characterization Report Submitted to NYSDEC	<b>Mar-13</b>	
Final Site Characterization Report Issued	<b>Jul-13</b>	
Significant Threat Determination	<b>Jul-13</b>	
Monitoring Well Abandonment	<b>Nov-13</b>	
Monitoring Well Abandonment Report	<b>Dec-13</b>	
Site Boundary Modification Request (206 Front Street) Submitted to NYSDEC	<b>Mar-15</b>	
Site Boundary Modification Request (206 Front Street) Approved	<b>May-15</b>	
Conduct Environmental Easement Survey at 218 Front Street	<b>Feb-16</b>	
Environmental Easement Package Submitted to NYSDEC w/o corporate documents	<b>Jan-17</b>	
PRAP Issued	<b>Oct-17</b>	

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## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Front Street Holder Station

Activity / Event	Milestone Date	Schedule Revisions
PRAP Public Meeting	Oct-17	
ROD Issued	Mar-18	Actual
Draft Interim Site Management Plan Submitted to NYSDEC	Mar-18	Actual
Interim Site Management Plan Approved	Apr-18	
Environmental Easement	--	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0552-0606***

### **Fulton Works Former MGP Site**

NYSDEC Project Manager – John Miller  
NYSDOH Project Manager – Christopher Doroski  
National Grid Project Manager – Pat Van Rossem  
Website – [www.fultonmgpsite.com](http://www.fultonmgpsite.com)

***March 31, 2018***

#### **Field Activities**

- Continued NAPL monitoring and recovery.
- Continued groundwater elevation monitoring.

#### **Deliverables**

- Submitted responses to EPA comments on the 50% Design of the Bulkhead Barrier Wall to EPA on February 12, 2018.

#### **Planned April & May 2018 Activities**

- Continue NAPL monitoring and recovery.
- Continue groundwater elevation monitoring.
- Preparation of Draft Parcel VI and VII PDI Data Summary Report.
- Continue coordination with NYC DEP relative to the planned CSO Tank Siting and the Fulton Site Remediation.
- Continue the NAPL Barrier Wall design effort.
- Submittal of Parcel III PDI Work Plan for DEC review.

#### **Schedule Deviations**

- On May 11, 2017, National Grid received a Unilateral Administrative Order from EPA requiring a new barrier wall design. National Grid subsequently provided a letter to DEC declaring that a force majeure condition exists as a result of the EPA Order. Issues associated with resolving lead regulatory authority for Fulton had affected the ability of National Grid to the complete 100% Barrier Wall design for DEC.

#### **Work Plan Modifications That Have Been Approved**

- None

#### **CPP and Community Activities**

- None

## **Progress Report for February & March 2018**

### **Problems Encountered/Efforts to Mitigate Delays**

- Access to Parcel 7 for the PDI work was rescinded by the property owner during the PDI field work because the property owner no longer wanted the activity and congestion on his property while he operates his business. NYC DEP negotiated its own access agreement for access to Parcel 7, and they initiated PDI work at Parcel 7 on November 27, 2017 and completed it on December 8, 2017. National Grid's consultant observed and co-logged the work performed by NYC DEP. This NYC PDI work scope for Parcel 7 PDI served to address the remaining National Grid PDI Work Plan borings on Parcel 7 that were unable to be completed because of the previously rescinded property access.

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Fulton Municipal Works

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Aug-07</b>	
Work Plan Submitted to NYSDEC	<b>Feb-08</b>	
Work Plan Approved	<b>Mar-08</b>	
Field Investigation Program Start	<b>May-08</b>	
Field Investigation Program Complete	<b>May-11</b>	
Draft Remedial Investigation Report Submitted to NYSDEC	<b>Dec-11</b>	
Final Remedial Investigation Report Issued	<b>Jul-12</b>	
Draft Interim Remedial Measure Pre-Design Investigation WP Submitted to NYSDEC	<b>Mar-12</b>	
Interim Remedial Measure Pre-Design Investigation Work Plan Approved	<b>Mar-12</b>	
Interim Remedial Measure Pre-Design Investigation Field Program Start	<b>Jun-12</b>	
Interim Remedial Measure Pre-Design Investigation Field Program Complete	<b>Sep-12</b>	
Draft Interim Remedial Measure Pre-Design Investigation Data Report submitted to NYSDEC	<b>Apr-13</b>	
Draft Feasibility Study Submitted to NYSDEC	<b>Aug-13</b>	
Final Feasibility Study Issued	<b>Mar-15</b>	
PRAP Issued	<b>Apr-15</b>	
ROD Issued	<b>Jul-15</b>	
Pre-Design Investigation Work Plan Submitted to NYSDEC	<b>Apr-15</b>	
Initiate PDI Field Work	<b>Apr-15</b>	
Complete PDI Field Work	<b>Jun-15</b>	
Remedial Design Work Plan – Near Term Actions and 30% Design NAPL Barrier Wall Submitted to NYSDEC	<b>Jan-16</b>	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Fulton Municipal Works (Cont'd)

Activity / Event	Milestone Date	Schedule Revisions
Pre-Design Investigation Work Plan Parcel VI and VII Submitted to NYSDEC	<b>Jun-16</b>	
Draft 95% Remedial Design – NAPL	<b>Nov-16</b>	
Final 95% Remedial Design – NAPL Barrier Wall Submitted to NYSDEC	<b>Dec-16</b>	
Initiate Parcel VI and VII PDI Field Work	<b>Feb-17</b>	
Complete Parcel VI and VII PDI Field Work	<b>Dec-17</b>	
Draft Interim Site Management Plan Submitted to NYSDEC	--	
Remedial Construction Start	--	
Remedial Construction Complete	--	
Remedial O & M or Monitoring	--	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. D1-0001-99-05*** **Garden City Former MGP Site**

NYSDEC Project Manager – N/A  
NYSDOH Project Manager – Jacquelyn Nealon  
National Grid Project Manager – Ted Leissing

***March 31, 2018***

### **Field Activities**

- None

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- None

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- None

### **Problems Encountered/Efforts to Mitigate Delays**

- None

National Grid has received the Covenant not to Sue from NYSDEC. Site is considered closed.

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Garden City

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Sep-99	
Work Plan Approved	Aug-00	
Field Investigation Program Start	Sep-00	
Field Investigation Program Complete	Oct-00	
Draft Preliminary Site Assessment Report Submitted to NYSDEC	Mar-01	
Final Preliminary Site Assessment Report Issued	Feb-02	
Significant Threat or No Further Action Determination	Oct-01	

***No Further Action is Required at this Site***

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. D1-0001-98-11*** **Glen Cove Former MGP Site**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Jacquelyn Nealon  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

### **Field Activities**

- Completed first quarterly groundwater monitoring event following system installation in March 2018.
- Performed monthly maintenance and performance monitoring on the oxygen injection system.

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- Submit Summary Report for completed LIPA construction.
- Submit Draft Site Management Plan.

### **Schedule Deviations**

- Semi-Annual groundwater sampling was conducted in Q3 2014 to determine baseline conditions prior to installation of groundwater treatment per the Phase II RAWP. Due to the extension of the LIPA construction schedule, a new baseline groundwater sampling event was conducted Q1 2016. System was started in Q3 2017 and quarterly sampling commenced in Q1 2018.
- System installation was pending approval of long term access agreement with the property owner and completion of substation expansion activities. An access agreement was finalized in February 2016.

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- The site's website was maintained.
- The site's Hot Line was maintained and monitored.

### **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Glen Cove

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Sep-99	
Remedial Investigation Work Plan Approved by NYSDEC	Jan-00	
Draft Revised Remedial Investigation Work Plan Submitted to NYSDEC	May-03	
Final Revised Remedial Investigation Work Plan Submitted to NYSDEC	Oct-03	
Final Remedial Investigation Work Plan Approved by NYSDEC	Nov-03	
Remedial Investigation Field Investigation – Phase I Start	Jan-04	
Remedial Investigation Field Investigation – Phase I Complete	Jul-04	
Phase I Data Submittal to NYSDEC	Oct-04	
Remedial Investigation Field Investigation – Phase II Start	Apr-05	
Remedial Investigation Field Investigation – Phase II Complete	Oct-05	
Draft Remedial Investigation Report Submitted to NYSDEC	Jun-06	
Draft Supplemental Remedial Investigation Work Plan Submitted to NYSDEC	Mar-07	
Draft Final Remedial Investigation Report Submitted to NYSDEC	Mar-08	
Final Remedial Investigation Report Submitted to NYSDEC	May-08	
RAP Scoping Meeting	May-09	
Draft RAP Submitted to NYSDEC	Nov-09	
NYSDEC Approval of Final RAP	Mar-10	
Draft Interim Remedial Measure Work Plan Submitted to NYSDEC	Feb-10	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Glen Cove (cont.)

Activity / Event	Milestone Date	Schedule Revisions
Draft Phase 1 Remedial Action Work Plan Submitted to NYSDEC	<b>Apr-10</b>	
Final Phase 1 Remedial Action Work Plan Submitted to NYSDEC	<b>May-10</b>	
Retaining Wall Installation Start	<b>Mar 11</b>	
Retaining Wall Installation Completion	<b>Apr-11</b>	
Phase 1 Remedial Construction Start	<b>May-11</b>	
Phase 1 Remedial Construction Completion	<b>Jun-11</b>	
Submit Draft Pilot Test Work Plan Submitted to NYSDEC	<b>Apr-11</b>	
Submit Final Pilot Test Work Plan Submitted to NYSDEC	<b>Apr-11</b>	
Complete Pilot Test Field Work	<b>Apr-11</b>	
Submit Draft Phase 2 Remedial Action Work Plan Submitted to NYSDEC	<b>Mar-14</b>	
Submit Final Phase 2 Remedial Action Work Plan Submitted to NYSDEC	<b>Sep-14</b>	
Submit Draft Phase I Construction Completion Report Submitted to NYSDEC	<b>May-12</b>	
Final Phase I Construction Report Submitted to NYSDEC	<b>Sep-12</b>	
Draft Interim Site Management Plan Submitted to NYSDEC	<b>Dec-14</b>	
Phase 2 Remedial Construction Start	<b>Apr-17</b>	
Final Interim Site Management Plan Submitted to NYSDEC	<b>Feb-15</b>	
Phase 2 Remedial Construction Complete	Mar-18	

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## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Glen Cove (cont.)

Activity / Event	Milestone Date	Schedule Revisions
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Draft Final Engineering Report Submitted to NYSDEC	Mar-18	
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Draft Site Management Plan Submitted to NYSDEC	Mar-18	
--	--------	--

Final Engineering Report Submitted to NYSDEC	--	
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Final Site Management Plan Submitted to NYSDEC	--	
--	----	--

Remedial OM&M Phase	--	
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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0523-0705*** **Gowanus Canal Site**

NYSDEC Project Manager – Hank Willems  
NYSDOH Project Manager – Chris Doroski  
National Grid Project Manager – Andrew Prophete

***March 31, 2018***

### **Field Activities**

- None

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- None

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- None

### **Problems Encountered/Efforts to Mitigate Delays**

- None

Remedial Design activities associated with the Gowanus are managed under a Unilateral Administrative Orders between multiple potentially responsible parties and the United States Environmental Protection Agency.

# Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Index No. A2-0523-0705  
Gowanus Canal Site**

Activity / Event	Milestone Date	Schedule Revisions
Investigation Work Plan Submitted to NYSDEC	<b>Jun-05</b>	
Investigation Work Plan Approved	<b>Jun-05</b>	
Field Investigation Program Start	<b>Oct-05</b>	
Field Investigation Program Complete	Sep-07	
DEC ACO Signed		
Draft Investigation Report Submitted to NYSDEC	<b>Apr-07</b>	
Final Investigation Report Submitted to NYSDEC	--	
Investigation Report Approved	--	
Draft Remedial Action Work Plan Submitted to NYSDEC	--	
Remedial Action Work Plan Approved	--	
Interim Remedial Measure Work Plan Submitted to NYSDEC	--	
Interim Remedial Measure Work Plan Approved	--	
Remedial Design Work Plan Submitted to NYSDEC	--	
Remedial Design Submitted to NYSDEC	--	
Remedial Design Issued	--	
Remedial Construction Start	--	

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**Progress Report for February & March 2018**  
**Voluntary Cleanup Agreement – Site No. V-006312**  
***Order on Consent – Index No. A2-0552-0606***  
**Greenpoint Energy Center**

NYSDEC Project Manager – John Miller  
NYSDOH Project Manager – Dawn Hettrick  
National Grid Project Manager – Brian Bermingham / Bill Ryan

***March 31, 2018***

**Field Activities**

- Monthly NAPL gauging.
- NAPL recovery from one monitoring well.
- Began the boring and well installation program in Areas 6 and 9 of the site.
- Conducted soil vapor intrusion investigations for onsite buildings in accordance with the approved work plan.
- Ongoing support for intrusive activities associated with capital improvement projects.

**Deliverables**

- Submitted a soil boring and monitoring well installation work plan for Area 8 of the site on February 13, 2018.

**Planned April & May 2018 Activities**

- Complete the boring and well installation program in Areas 6 and 9 of the site.
- Begin the boring and well installation program in Area 8 of the site.
- Collect groundwater samples from newly installed monitoring wells in Areas 6, 8 and 9.
- Continue NAPL gauging and recovery.
- Continue ongoing support for intrusive activities associated with capital improvement projects.

**Schedule Deviations**

- None

**Work Plan Modifications That Have Been Approved**

- None

**CPP and Community Activities**

- The Site's Telephone Hotline was maintained.

## **Progress Report for February & March 2018**

### **Problems Encountered/Efforts to Mitigate Delays**

- None



## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Greenpoint

Activity / Event	Milestone Date	Schedule Revisions
Field Investigation Program Start NE Corner	<b>Mar-04</b>	
Field Investigation Complete NE Corner	<b>Jan-05</b>	
Submit Interim Remedial Measure Work Plan NE Corner	<b>Mar-05</b>	
Interim Remedial Measures Program Start NE Corner	<b>Jun-05</b>	
Supplemental Site Investigation Program Start NE Corner	<b>May-06</b>	
Interim Remedial Measure Work Plan Approved NE Corner	<b>Jun-06</b>	
Final Supplemental Site Investigation/ Remedial Work Plan NE Corner Submitted to NYSDEC	<b>Aug-06</b>	
Supplemental Interim Remedial Measures Start NE Corner	<b>Jul-06</b>	
Supplémentai Site Investigation NE Corner	<b>Aug-07</b>	
Supplemental Interim Remedial Measures Complete NE Corner	<b>Dec-07</b>	
SSIR/Interim Remedial Measure Completion Report for NE Corner Submitted to NYSDEC	<b>Feb-08</b>	
DEC ACO Signed	<b>May-08</b>	
Draft –Pre-Design Investigation Work Plan Cutoff Wall Interim Remedial Measure Submitted to NYSDEC	<b>Sep-08</b>	
Final Pre-Design Investigation Work Plan Cutoff Wall Interim Remedial Measure Submitted to NYSDEC	<b>Jan-09</b>	
Begin mobilization for Pre-Design Investigation field efforts.	<b>Feb-09</b>	
Final Supplemental Site Investigation and Supplemental Interim Remedial Measure Completion Report Submitted to NYSDEC	<b>Nov-09</b>	
Draft Phase 1 Remedial Investigation Work Plan Submitted to NYSDEC	<b>Nov-11</b>	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Greenpoint

Activity / Event	Milestone Date	Schedule Revisions
Final Phase 1 Remedial Investigation Work Plan	<b>May-12</b>	
Draft Phase 2 Remedial Investigation Work Plan	<b>Oct-13</b>	
Final Phase 2-3 Remedial Investigation Work Plan Submitted to NYSDEC	<b>Nov-13</b>	
Draft Interim Remedial Investigation Report Submitted to NYSDEC	<b>Nov-16</b>	
Final Interim Remedial Investigation Report Submitted to NYSDEC	--	
Complete Remedial Investigation Activities	Jun-18	
Draft Site Wide Remedial Investigation Report Submitted to NYSDEC	Jan-19	
Draft Feasibility Study Issued	--	
Final Feasibility Study Issued	--	
PRAP Issued or RAP Submitted to NYSDEC	--	
ROD Issued or RAP Approved	--	
Remedial Design Submitted	--	
Remedial Construction Start	--	
Remedial Construction Complete	--	

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# **Progress Report for February & March 2018**

*Order on Consent – Index No. D1-0001-98-11*  
**Halesite Former MGP Site**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Renata Ockerby  
National Grid Project Manager – Sarah Aldridge  
Website – [www.halesitemgpsite.com](http://www.halesitemgpsite.com)

***March 31, 2018***

## **Field Activities**

- Conducted monthly routine system inspections and repairs as part of the OM&M plan for the oxygen injection system.
- Conducted the first 2018 semi-annual groundwater sampling event.
- Conducted quarterly NAPL monitoring and recovery for onsite and offsite wells.

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- Conduct monthly routine system inspections as part of the OM&M plan for the oxygen injection system.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- The site's website was maintained.
- The site's Hot Line was maintained and monitored.

## **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Halesite

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Sep-99	
Remedial Investigation Work Plan Approved by NYSDEC	Dec-99	
Remedial Investigation Field Investigation Program Start	Apr-01	
Remedial Investigation Field Investigation Program Complete	Jul-01	
Draft Remedial Investigation Report Submitted to NYSDEC	Jul-02	
Final Remedial Investigation Report Submitted/Issued to NYSDEC	Dec-02	
Draft Supplemental Work Plan Submitted to NYSDEC	Jan-03	
Final Work Plan to NYSDEC	May-03	
Supplemental Field Program Started	May-03	
Supplemental Field Program Ended	Jul-03	
Draft Final Remedial Investigation Report Submitted to NYSDEC	Dec-03	
Final Remedial Investigation Report Submitted to NYSDEC	Apr-04	
Clean Utility Corridor Installation	Nov-05	
RAP Scoping Meeting	Jul-05	
Draft RAP Submitted to NYSDEC	Sep-05	
NYSDEC Approval for Final RAP	Mar-06	
Draft Remedial Design Work Plan Submitted to NYSDEC	Nov-07	
Final Remedial Design Work Plan – Phase I - Submitted to NYSDEC	Aug-08	
Final Remedial Design Work Plan – Phase II - Submitted to NYSDEC	Apr-09	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Halesite (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Remedial Construction Start	<b>Sep-08</b>	
Remedial Construction Complete	<b>Aug-09</b>	
Final Engineering Report Submitted to NYSDEC	<b>Apr-14</b>	
Final Site Management Plan Submitted to NYSDEC	<b>May-14</b>	
Remedial O & M Phase or Monitoring	<b>Oct-09</b>	<b>Ongoing</b>

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. D1-0001-98-11*** **Hempstead Former MGP Site**

NYSDEC Project Manager – John Spellman  
NYSDOH Project Manager – Jacquelyn Nealon  
National Grid Project Manager – Bill Ryan  
Website – [www.hempsteadintersectionstreetmgpsite.com](http://www.hempsteadintersectionstreetmgpsite.com)

***March 31, 2018***

### **Field Activities**

- Performed quarterly sampling.
- Performed repairs on one oxygen system compressor.

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- Continue oxygen system operation.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- The site's hotline was monitored.
- The site's website was maintained.

### **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Hempstead

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Sep-99</b>	
Remedial Investigation Work Plan Approved by NYSDEC	<b>Dec-99</b>	
Remedial Investigation Field Investigation Program Start	<b>Jul-00</b>	
Remedial Investigation Field Investigation Program Complete	<b>Nov-00</b>	
Submit Supplemental Work Plan Submitted to NYSDEC	<b>Apr-01</b>	
Supplemental Work Plan Approved	<b>Jul-01</b>	
Supplemental Field Investigation Program Start	<b>Oct-01</b>	
Supplemental Field Investigation Program End	<b>May-02</b>	
Draft Remedial Investigation Report Submitted to NYSDEC	<b>Sep-02</b>	
Final Remedial Investigation Report Submitted to NYSDEC	<b>Feb-03</b>	
Draft Supplemental Work Plan Submitted to NYSDEC	<b>Feb-03</b>	
Final Supplemental Work Plan Submitted to NYSDEC	<b>Aug-03</b>	
Supplemental Field Program Start	<b>Sep-03</b>	
Supplemental Field Program End	<b>Nov-03</b>	
Draft Final Remedial Investigation Report Submitted to NYSDEC	<b>Aug-04</b>	
Final Remedial Investigation Report Submitted to NYSDEC	<b>Mar-06</b>	
RAP Scoping Meeting	<b>Jun-07</b>	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Hempstead (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Draft RAP and Draft Interim Remedial Measure Work Plan Submitted to NYSDEC	<b>Aug-07</b>	
NYSDEC Approval for Interim Remedial Measure Work Plan	<b>Nov-07</b>	
NYSDEC Approval for Final RAP	<b>Mar-08</b>	
Draft Pre-Design Investigation Work Plan for ISS and Groundwater Treatment System Design Submitted to NYSDEC	<b>July-08</b>	
Final Construction Operations Plan for Interim Remedial Measures Submitted to NYSDEC	<b>Aug-08</b>	
Draft Remedial Design Work Plan Submitted to NYSDEC	<b>May-10</b>	
Final Remedial Design Work Plan Submitted to NYSDEC	<b>July-11</b>	
Preliminary Design Submitted to NYSDEC	<b>Sep-10</b>	
Pre-Final Design Submitted to NYSDEC	<b>Apr-11</b>	
Final Design Submitted to NYSDEC	<b>Sep-11</b>	
Remedial Construction Start	<b>Oct-11</b>	
Remedial Construction Complete	<b>Dec-13</b>	
Draft RA Construction Report Submitted to NYSDEC	<b>Sep-15</b>	
Remedial O & M Phase or Monitoring	Ongoing	
Release & Covenant Not to Sue Received	<b>Jun-17</b>	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. D1-0001-99-05*** **Hempstead-Clinton Former MGP Site**

NYSDEC Project Manager – Amen Omorogbe  
NYSDOH Project Manager – Renata Ockerby  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

### **Field Activities**

- None

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- Conduct the annual Site inspection and submit the annual site inspection report.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- None

### **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Hempstead – Clinton

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Sep-99</b>	
Work Plan Approved	<b>Oct-01</b>	
Field Investigation Program Start	<b>Dec-02</b>	
Field Investigation Program Complete	<b>Dec-02</b>	
Draft Preliminary Site Assessment Report Submitted to DEC	<b>Feb-03</b>	
Final Preliminary Site Assessment Report Issued	<b>Mar-03</b>	
Significant Threat or No Further Action Determination	<b>Mar-03</b>	
Final Site Management Plan Submitted to DEC	<b>Jan-11</b>	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Inwood Holder Station**

NYSDEC Project Manager – William Wu

NYSDOH Project Manager –RenataOckerby

National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- Respond to NYSDEC comments, if any, on the Draft Remedial Investigation (RI) Report Addendum (No. 1).
- Initiate Feasibility Study following approval of the Draft Remedial Investigation (RI) Report Addendum (No. 1).

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Inwood Holder Station

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Aug-07</b>	
Work Plan Submitted to NYSDEC	<b>Sep-09</b>	
Work Plan Approved	<b>Jan-10</b>	
Field Investigation Program Start	<b>Mar-10</b>	
Field Investigation Program Complete	<b>Dec-11</b>	
Draft Interim Site Management Plan Submitted to NYSDEC	<b>Oct-15</b>	
Draft Remedial Investigation Report Submitted to DEC	<b>Oct-13</b>	
Revised Draft Remedial Investigation Report Submitted to NYSDEC	<b>May-14</b>	
Final Remedial Investigation Report Issued	<b>Jan-15</b>	
Remedial Investigation Addendum Work Plan Submitted to NYSDEC	<b>Nov-15</b>	
Remedial Investigation Addendum Work Plan Approved by NYSDEC	<b>Jun-16</b>	
Interim Site Management Plan Submitted to NYSDEC	<b>Oct-15</b>	
Interim Site Management Plan Approved by NYSDEC	<b>Jun-16</b>	
Draft Remedial Investigation Report Addendum (No. 1) Submitted to NYSDEC	<b>Apr-17</b>	
Remedial Investigation Report Addendum Approved by NYSDEC	--	
Draft Feasibility Study Submitted to NYSDEC	--	
Final Feasibility Study Submitted to NYSDEC	--	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Jamaica Gas Light Co. Former MGP Site**

NYSDEC Project Manager – William Wu

NYSDOH Project Manager – Stephanie Selmer

National Grid Project Manager – Katherine Vater, Donald Campbell

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- Submit revised Interim Site Management Plan to NYSDEC.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Jamaica Gas Light Co.

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Feb-07</b>	
Submit Site Characterization Work Plan Submitted to NYSDEC	<b>Jan-10</b>	
Site Characterization Work Plan Approved	<b>Sep-10</b>	
Site Characterization Field Investigation Program Start	<b>Feb-12</b>	
Site Characterization Field Investigation Program Complete	<b>Apr-12</b>	
Site Characterization Data Summary Submitted to NYSDEC	<b>Oct-12</b>	
Draft Remedial Investigation Work Plan Submitted to NYSDEC	<b>Mar-13</b>	
Remedial Investigation Work Plan Approved	<b>May-13</b>	
Remedial Investigation Field Investigation Program Start	<b>Oct-13</b>	
Remedial Investigation Field Investigation Program Complete	<b>Dec-13</b>	
Draft Remedial Investigation Report Submitted to NYSDEC	<b>Apr-14</b>	
Revised Draft Remedial Investigation Report Submitted to NYSDEC	<b>Nov-15</b>	
Final Remedial Investigation Report Issued	<b>Dec-15</b>	
Draft Interim Site Management Plan Submitted to NYSDEC	<b>May-16</b>	
Draft Feasibility Study Submitted to NYSDEC	--	
Final Feasibility Study Issued	--	
PRAP Issued or RAP Submitted to NYSDEC	--	
ROD Issued or RAP Approved	--	
Remedial Design Submitted to NYSDEC	--	
Remedial Design Issued	--	
Remedial Construction	--	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Jamaica Holder Station Former MGP Site**

NYSDEC Project Manager – Scott Deyette

NYSDOH Project Manager – Stephanie Selmer

National Grid Project Manager – Katherine Vater, Donald Campbell

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Jamaica Holder Station

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Feb-07</b>	
Work Plan Submitted to NYSDEC	<b>Jan-10</b>	
Work Plan Approved	<b>Aug-10</b>	
Field Investigation Program Start	<b>Feb-12</b>	
Field Investigation Program Complete	<b>Apr-12</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Aug-12</b>	
Final Site Characterization Report Issued	<b>Jan-13</b>	
No Further Action Determination	<b>Jan-13</b>	
Release and Covenant Not to Sue	<b>Apr-13</b>	
Well Abandonment	<b>Oct-13</b>	
Well Abandonment Report	<b>Jan-14</b>	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Keap Street Holder Station Former MGP Site**

NYSDEC Project Manager – Scott Deyette

NYSDOH Project Manager – Bridget Callaghan

National Grid Project Manager – Donald Campbell

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Keap Street Holder Station

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Feb-07</b>	
Work Plan Submitted to NYSDEC	<b>Mar-07</b>	
Work Plan Approved	<b>Nov-07</b>	
Field Investigation Program Start	<b>Jul-09</b>	
Field Investigation Program Complete	<b>Jul-09</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Dec-09</b>	
Final Site Characterization Report Issued	<b>Jan-10</b>	
Significant Threat or No Further Action Determination	<b>Feb-10</b>	
Release and Covenant Not to Sue	<b>Apr-10</b>	
Well Abandonment Report	<b>Sep-10</b>	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0552-0606*** **Kings County Works**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Chris Doroski  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

### **Field Activities**

- Site Characterization Addendum field activities commenced in March 2018.

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- Complete Site Characterization Addendum field activities.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- None

### **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Kings County Works

Activity / Event	Milestone Date	Schedule Revisions
DEC ACO Signed	<b>Aug-07</b>	
Work Plan Submitted to NYSDEC	<b>Oct-10</b>	
Work Plan Approved	<b>Apr-11</b>	
Revised Work Plan Submitted to NYSDEC	<b>Apr-14</b>	
Revised Work Plan Approved to NYSDEC	<b>May-14</b>	
Field Site Characterization Investigation Program Start	<b>Jul-14</b>	
Field Investigation Program Complete	<b>Feb-15</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Oct-15</b>	
Final Site Characterization Report Issued	<b>May-16</b>	
Draft Site Characterization Addendum Work Plan Submitted to NYSDEC	<b>Jun-17</b>	
Site Characterization Addendum Work Plan approved by NYSDEC	<b>Sep-17</b>	
Draft Site Characterization Addendum Report Submitted to NYSDEC	Jun-18	
Site Characterization Addendum report approved by NYSDEC	--	
Significant Threat or No Further Action Determination	--	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Long Beach Holder Station Former MGP Site**

NYSDEC Project Manager – Gardiner Cross

NYSDOH Project Manager – Steve Karpinski

National Grid Project Manager – Bill Ryan

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

National Grid has received the Covenant not to Sue from NYSDEC. Site is considered closed.

## Progress Report for February & March 2018

National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Long Beach Holder Station

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Feb-07</b>	
Work Plan Submitted to NYSDEC	<b>Jun-08</b>	
Work Plan Approved	<b>Jul-08</b>	
Field Investigation Program Start	<b>Sep-08</b>	
Field Investigation Program Complete	<b>Oct-08</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Aug-09</b>	
Final Site Characterization Report Issued	<b>Jan-10</b>	
Significant Threat or No Further Action Determination	<b>Mar -10</b>	

*No Further Action is Required at this Site*

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Metropolitan Works Former MGP Site**

NYSDEC Project Manager – William Wu

NYSDOH Project Manager – Scarlett McLaughlin

National Grid Project Manager – Patrick Van Rossem

Website: [www.metropolitanmgpsite.com](http://www.metropolitanmgpsite.com)

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- DEC comments on the SRI are expected in April 2018.

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Metropolitan Works

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Aug-07</b>	
Work Plan Submitted to NYSDEC	<b>Dec-08</b>	
Work Plan Approved	<b>May-09</b>	
Field Investigation Program Start	<b>Mar-10</b>	
Field Investigation Program Complete	<b>Mar-12</b>	
Draft Remedial Investigation Report Submitted to NYSDEC	<b>Dec-13</b>	
Final Remedial Investigation Report Issued	<b>Oct-14</b>	
Draft Focused Feasibility Study Submitted to NYSDEC	<b>Jun-15</b>	
Draft Interim Site Management Plan Submitted to NYSDEC	<b>May-17</b>	
Supplemental RI Report	Sep-17	
Final Focused Feasibility Study Issued	Nov-18	
PRAP Issued or RAP Submitted	May-19	
ROD Issued or RAP Approved	Dec-19	
Remedial Design Submitted to NYSDEC	--	
Remedial Design Issued	--	
Remedial Construction Start	--	
Remedial Construction Complete	--	
Remedial O&MM	--	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. W2-1090-06-06***

### **Nassau Gas Works Former MGP Site**

NYSDEC Project Manager – Douglas MacNeal

NYSDOH Project Manager – Bridget Callahan

National Grid Project Manager – Sarah Aldridge

Website – [www.nassauworksmgpsite.com](http://www.nassauworksmgpsite.com)

***March 31, 2018***

#### **Field Activities**

- None

#### **Deliverables**

- None

#### **Planned April & May 2018 Activities**

- Coordinate and attend a meeting with NYSDEC to discuss the Order, potentially responsible parties (PRPs), and project next steps.

#### **Schedule Deviations**

- The finalization of the Feasibility Study (FS) for the site was postponed at NYSDEC's request to allow for the completion of additional SRI activities at adjacent off-site areas.
- The draft SRI Report was delayed in order to conduct research to evaluate the potential for third party impacts at the Nassau Gas Works Site and within the SRI Area.

#### **Work Plan Modifications That Have Been Approved**

- None

#### **CPP and Community Activities**

- None

#### **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Index No. W2-1090-06-06  
Nassau Gas Works Former MGP**

<b>Activity / Event</b>	<b>Milestone Date</b>	<b>Schedule Revisions</b>
Investigation Work Plan Submitted to NYSDEC	<b>Sep-04</b>	
Investigation Work Plan Approved	<b>Oct-04</b>	
Field Investigation Program Start	<b>Oct-04</b>	
Field Investigation Program Complete	<b>Jan-05</b>	
DEC ACO Signed	<b>Nov-06</b>	
Draft Remedial Investigation Report Submitted to NYSDEC	<b>Dec-06</b>	
Final Remedial Investigation Report Submitted to NYSDEC	<b>Mar-08</b>	
Remedial Investigation Report Approved	<b>Mar-08</b>	
Draft Feasibility Study Report Submitted to NYSDEC	<b>May-08</b>	
Commence Supplemental Remedial Investigation Field Investigation, 500 Kent Avenue	<b>May-14</b>	
Complete Supplemental Remedial Investigation Field Investigation, 500 Kent Avenue	<b>Jul-14</b>	
Commence Supplemental Remedial Investigation Field Investigation, Wallabout Channel and Navy Yard Basin	<b>Aug-14</b>	
Complete Supplemental Remedial Investigation Field Investigation, Wallabout Channel and Navy Yard Basin	<b>Aug-14</b>	
Supplemental Remedial Investigation Report (500 Kent Ave., Wallabout Channel, and Navy Yard Basin) Submitted to NYSDEC	<b>Oct-15</b>	
Supplemental Remedial Investigation Report Approved	<b>Jun-16</b>	
Final Feasibility Study Report Submitted to NYSDEC	--	
NYSDEC Issued PRAP to Public	--	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program

#### ACO Milestone Schedule

Index No. W2-1090-06-06

#### Nassau Gas Works Former MGP – cont.

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC Issued ROD	--	
Draft Remedial Design Work Plan Submitted to NYSDEC	--	
Final Remedial Design Work Plan Submitted to NYSDEC	--	
Submit Preliminary Design to NYSDEC	--	
Pre-Final Design Submitted to NYSDEC	--	
Final Design Submitted to NYSDEC	--	
Remedial Construction Start	--	
Remedial Construction Complete	--	
Remedial O & M or Monitoring	--	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index Nos. D1-0001-99-05 and A2-0552-0606*** **Patchogue Former MGP Site**

NYSDEC Project Manager – William Wu  
NYSDOH Project Manager – Jacquelyn Nealon  
National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

### **Field Activities**

- Conducted pre-bid site walk on March 28, 2018 with perspective Construction Managers for full scale remedy implementation.

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- Continue with activities associated with the procurement of a Construction Manager for full scale remedy implementation.
- Continue with activities associated with the procurement of a Remedial Contractor for full scale remedy implementation.
- Receive NYSDEC comments on their review of the 95% Remedial Design Report (RDR). The 95% RDR was submitted to the NYSDEC on February 12, 2018.
- Preparation of a response to the NYSDEC 95% RDR review comments.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- The site's website was maintained.
- The site's Hot Line was maintained and monitored.

### **Problems Encountered/Efforts to Mitigate Delays**

- National Grid has proposed a deviation to the Record of Decision (ROD) associated with the remedial technology to address the source materials on the off-site adjacent property, 210 West Main Street, located immediately east of the Patchogue Former Manufactured Gas Plant Site. The ROD states that the source materials located on this property will be addressed via excavation and off-site disposal. National Grid

## **Progress Report for February & March 2018**

has proposed to address these soils via the use of in-situ solidification. The Owner of the 212 West Main Street property has accepted this deviation to the ROD. The proposal has been forwarded to the NYSDEC who has approved the deviation. The NYSDEC has prepared an Explanation of Significant Differences (ESD). The final version of the ESD is dated October 2017.

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Patchogue

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Sep-99	
Work Plan Approved	Jul-01	
Field Investigation Program Start	Jul-01	
Field Investigation Program Complete	Aug-01	
Draft Preliminary Site Assessment Report Submitted to NYSDEC	Jan-02	
Final Preliminary Site Assessment Report Issued	Mar-02	
Significant Threat or No Further Action Determination	Mar-02	
NYSDEC ACO Signed	Feb-07	
Work Plan Submitted to NYSDEC	Sep-07	
Work Plan Approved	Dec-07	
Field Investigation Program Start	Dec-07	
Field Investigation Program Complete	Jul-08	
Draft Remedial Investigation Report Submitted to NYSDEC	Jan-09	
Final Remedial Investigation Report Issued	Dec-09	
Field Implementation of Pre-Design Investigation	May-10	
Draft Focused Feasibility Study Submitted to NYSDEC	Jun-10	
Field implementation of Supplemental Pre-Design Investigation	Sep-10	
Final Focused Feasibility Study Issued	May-11	
PRAP Issued or RAP Submitted	Feb-11	
ROD Issued or RAP Approved	Mar-11	
Pre-Utility Corridor Investigation	Jan-12	
Submit Remedial Design Work Plan to NYSDEC	Feb-12	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Patchogue – cont.

Activity / Event	Milestone Date	Schedule Revisions
Utility Corridor Work Plan (Revision 3) Submitted to NYSDEC	<b>Feb-12</b>	
Start Pre-Remedial Design Investigation	<b>Mar-12</b>	
Finish Pre-Remedial Design Investigation	<b>Jul-12</b>	
Start Field Implementation of Utility Corridor Work Plan	<b>Jun-12</b>	
Finish Field Implementation of Utility Corridor Work Plan	<b>Jul-12</b>	
Submit Utility Corridor Construction Completion Report to NYSDEC	<b>Dec-12</b>	
Remedial Design (50%-75% Submission) Submitted to NYSDEC	<b>Dec-12</b>	
Off-Site Investigation Work Plan Submitted to NYSDEC	<b>Aug-13</b>	
Off-Site Investigation Letter Summary Report Submitted to NYSDEC	<b>Jun-14</b>	
Remedial Design (95% Submission) Submitted to NYSDEC (Pending ESD approval)	<b>Feb-18</b>	
Explanation of Significant Difference Submitted to NYSDEC	<b>Apr 17</b>	
Explanation of Significant Difference approved by NYSDEC	<b>Oct 17</b>	
Remedial Design Issued	Dec 18	
Remedial Construction Start	Mar-19	
Remedial Construction Complete	--	
Remedial O & M or Monitoring	--	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Peoples Works Former MGP Site**

NYSDEC Project Manager – Gerald Pratt

NYSDOH Project Manager – Albert DeMarco

National Grid Project Manager – Donald Campbell / Brian Bermingham

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None



# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Peoples Works

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Feb-07</b>	
Submit Work Plan to NYSDEC	<b>Mar-09</b>	
Work Plan Approved	<b>Mar-10</b>	
Field Investigation Program Start	<b>Apr-11</b>	
Field Investigation Program Complete	<b>Oct-11</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Mar-12</b>	
Supplemental Site Characterization Work Plan (for Sediment Borings) Submitted to NYSDEC	<b>Mar-13</b>	
Supplemental Site Characterization Work Plan (for Sediment Borings) Approved	<b>Mar-13</b>	
Additional Site Characterization Field Program Start	<b>Nov-13</b>	
Additional Site Characterization Field Program Complete	<b>Nov-13</b>	
Supplemental Site Characterization Work Plan (for Upland Area) Submitted to NYSDEC	<b>Aug-14</b>	
Supplemental Site Characterization Work Plan (for Upland Area) approved by NYSDEC	<b>Sep-14</b>	
Additional Site Characterization Field Program Start	<b>Nov-14</b>	
Additional Site Characterization Field Program Complete	<b>Aug-15</b>	
Revised Draft Site Characterization Report Submitted to NYSDEC	Sep-17	
Draft Interim Site Management Plan Submitted to NYSDEC	Oct-17	
Final Site Characterization Report Issued	Oct-17	
Significant Threat or No Further Action Determination	--	

>>>>>>Bold Font – Actual Completion Date<<<<<<

# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Plymouth Street Holder**

NYSDEC Project Manager – Scott Deyette

NYSDOH Project Manager – Bridget Callahan

National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

Activity at this site is deferred on agreement with NYSDEC.

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Plymouth Street Holder

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Aug-07</b>	
Work Plan Submitted to NYSDEC	<b>Mar-11</b>	
Work Plan Approved	<b>Jul-11</b>	
Field Investigation Program Start	--	
Field Investigation Program Complete	--	
Draft Site Characterization Report Submitted to NYSDEC	--	
Final Site Characterization Report Issued	--	
Significant Threat or No Further Action Determination	--	

Activity at this site is deferred on agreement with NYSDEC.

**>>>>>Bold Font – Actual Completion Date<<<<<**

# **Progress Report for February & March 2018**

***Order on Consent – Index No. D1-0002-98-11***  
**Rockaway Park Former MGP Site – Site No. 2-41-029**

NYSDEC Project Manager – Douglas MacNeal  
NYSDOH Project Manager – Stephanie Selmer  
National Grid Project Manager – Sarah Aldridge / Bill Ryan  
Website – [www.rockawayparkmgpsite.com](http://www.rockawayparkmgpsite.com)

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- Replace one tree in EDC Ferry Terminal area per Parks request.
- Submit notification upcoming utility replacement project as required under the Draft SMP.
- Submit work plan for pre-characterization of soils on Beach 108<sup>th</sup> Street for upcoming utility replacement project.
- Submit annual groundwater report.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Rockaway Park

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Sep-99	
Remedial Investigation Work Plan Approved by NYSDEC	Oct-99	
Remedial Investigation Field Investigation Program Start	Dec-99	
Remedial Investigation Field Investigation Program Complete	Mar-00	
Bulkhead Area Work Plan Submitted to NYSDEC	May-01	
Bulkhead Area Work Plan Approved by NYSDEC	May-01	
Bulkhead Area Field Investigation Program Start	Mar-02	
Bulkhead Area Field Investigation Program End	Mar-02	
Draft Remedial Investigation Report Submitted to NYSDEC	Nov-01	
Final Remedial Investigation Report Submitted to NYSDEC	Oct-02	
Supplemental Work Plan Submitted to NYSDEC	Jun-02	
NYSDEC Approval for Supplemental Remedial Investigation Work Plan	Jun-02	
Supplemental Remedial Investigation Field Work Start	Jul-02	
Supplemental Remedial Investigation Field Work End	Oct-02	
Draft Final Remedial Investigation Report Submitted to NYSDEC	Feb-03	
Final Remedial Investigation Report Submitted to NYSDEC	May-03	
Interim Remedial Measure No. 1 Start	Dec-99	
Interim Remedial Measure No. 1 Complete	Oct-00	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Rockaway Park (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Interim Remedial Measure No. 2 Draft Work Plan Submitted to NYSDEC	<b>May-01</b>	
Interim Remedial Measure No. 2 Work Plan Approved by NYSDEC	<b>Mar-02</b>	
Interim Remedial Measure No. 2 Construction Start	<b>Mar-02</b>	
Interim Remedial Measure No. 2 Construction Complete	<b>May-02</b>	
Interim Remedial Measure No. 2 Final Construction Report Submitted to NYSDEC	<b>May-03</b>	
Interim Remedial Measure No. 2a Final Work Plan Submitted to NYSDEC	<b>Nov-03</b>	
Interim Remedial Measure Construction Start	<b>Jun-04</b>	
Interim Remedial Measure Construction Report Submitted to NYSDEC	<b>Oct-04</b>	
Feasibility Study Report Submitted to NYSDEC	<b>Jan-04</b>	
Submit Final Feasibility Study Report to NYSDEC	<b>Jul-04</b>	
NYSDEC Issued PRAP to Public	<b>Aug-04</b>	
NYSDEC Issued ROD	<b>Oct-04</b>	
Submit Draft Remedial Design Work Plan Submitted to NYSDEC	<b>Feb-05</b>	
Final Remedial Design Work Plan Submitted to NYSDEC	<b>Dec-05</b>	
Submit Preliminary Design Submitted to NYSDEC	<b>May-06</b>	
Pre-Final Design Submitted to NYSDEC	<b>Mar-08</b>	
Final Design Submitted to NYSDEC	<b>Nov-08</b>	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Rockaway Park (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
Remedial Construction Start	<b>Nov-08</b>	
Draft On-Site Area Construction Completion Report Submitted to NYSDEC	<b>Mar-13</b>	
Draft Interim Site Management Plan Submitted to NYSDEC	<b>Mar-13</b>	
Draft Recovery Well Installation Construction Completion Report Submitted to NYSDEC	<b>Dec-12</b>	
Remedial Construction Complete	<b>May-16</b>	
Draft Final Engineering Report (including Bulkhead Construction) Submitted to NYSDEC	<b>Nov-16</b>	
Draft Site Management Plan Submitted to NYSDEC	<b>Mar-17</b>	
Final Site Management Plan Submitted to NYSDEC	--	
Remedial O & M Phase or Monitoring	--	

>>>>>>**Bold Font - Actual Completion Date**<<<<<<

Rockaway Park IRM No. 1 – RockawayBeach Substation – Area C Investigation and redefinition  
RockawayPark IRM No. 2 – RockawayPark – Bulkhead Parcel

# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***  
**Rutledge Street Holder Station Former MGP Site**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Bridgette Callaghan  
National Grid Project Manager – Donald Campbell

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- None

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

National Grid has received the Covenant not to Sue from NYSDEC. Site is considered closed.



## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Rutledge Street Holder Station

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Feb-07</b>	
Submit Work Plan to NYSDEC	<b>Mar-07</b>	
Work Plan Approved	<b>Aug-07</b>	
Field Investigation Program Start	<b>May-09</b>	
Field Investigation Program Complete	<b>Aug-09</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Dec-09</b>	
Execute Soil Vapor Work Plan	<b>Jul-10</b>	
Final Site Characterization Report Issued	<b>Mar-11</b>	
No Further Action Determination and Covenant Not to Sue	<b>Sep-11</b>	
Well Abandonment Report	<b>Feb-13</b>	

***No Further Action is Required at this Site***

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. D1-0002-98-11***

**Sag Harbor Former MGP Site – Site No. 1-52-159**

NYSDEC Project Manager – Douglas MacNeal

NYSDOH Project Manager – Renata Ockerby

National Grid Project Manager – Sarah Aldridge

Website – [www.sagharbormgpsite.com](http://www.sagharbormgpsite.com)

***March 31, 2018***

## **Field Activities**

- Conducted the First Quarter 2018 Groundwater Monitoring Event.
- Inspected activities in association for a Phase 2 conducted by others on Ferry Street.

## **Deliverables**

- Submitted the Fourth Quarter 2017 Groundwater Monitoring Report on March 30, 2018.
- Provide NYSDEC an update on Inspection results on Ferry Street.

## **Planned April & May 2018 Activities**

- Conduct the Second Quarter 2018 Groundwater Monitoring Event.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Sag Harbor

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Sep-99	
Remedial Investigation Work Plan Approved by NYSDEC	Dec-99	
Remedial Investigation Field Investigation Program Start	Mar-00	
Remedial Investigation Field Investigation Program Complete	May-00	
Draft Remedial Investigation/RA Report Submitted to NYSDEC	Sep-01	
Final Remedial Investigation/RA Report Submitted/Issued to NYSDEC	Apr-02	
Draft Supplemental Work Plan Submitted to NYSDEC	Nov-01	
NYSDEC Approval for Final Supplemental Field Program Work Plan	Dec-01	
Supplemental Field Investigation Program Start	Mar-02	
Supplemental Field Investigation Program End	Jun-02	
Draft Final Remedial Investigation Report Submitted to NYSDEC	Dec-02	
Final Remedial Investigation Report Submitted/Issued to NYSDEC	Dec-03	
Complete Post Remedial Investigation Supplemental Field Program	Jun-04	
Draft Investigation Report Submitted to NYSDEC	Nov-04	
Final Invest Report Submitted to NYSDEC	Feb-05	
Draft Feasibility Study Report Submitted to NYSDEC	Mar-05	
Final Feasibility Study Report Submitted to NYSDEC	Sep-05	
NYSDEC Issued PRAP to Public	Jan-06	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Sag Harbor (Cont.)

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC Issued ROD	<b>Mar-06</b>	
Draft Remedial Action/Remedial Design Work Plan Submitted to NYSDEC	<b>Aug-08</b>	
Submit 30% Design Submitted to NYSDEC	<b>May-07</b>	
Submit 60% Design Submitted to NYSDEC	<b>Jul-07</b>	
Submit 90% Design Submitted to NYSDEC	<b>Nov-07</b>	
Final Design Submitted to NYSDEC	<b>Aug-08</b>	
Remedial Construction Start	<b>Sep-08</b>	
Remedial Construction Complete	<b>Jul-09</b>	
Draft Final Engineering Report Submitted to NYSDEC	<b>Dec-13</b>	
Revised Final Engineering Report Submitted to NYSDEC	<b>Jul-15</b>	
Revised Final Engineering Report Approved by NYSDEC	<b>May-16</b>	
DRAFT Site Management Plan Submitted to NYSDEC	<b>Feb-10</b>	
FINAL Site Management Plan Submitted to NYSDEC	<b>Aug-10</b>	
Revised Draft Site Management Plan Submitted to NYSDEC	<b>Feb-13</b>	
Revised Final Site Management Plan Submitted to NYSDEC	<b>Feb-14</b>	
Site reclassified from a 2 to 4 in the Registry of Inactive Hazardous Waste Disposal Sites	<b>Nov-16</b>	
OM&M or Monitoring	Ongoing	

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Scholes Street Station**

NYSDEC Project Manager – Scott Deyette

NYSDOH Project Manager – Stephanie Selmer

National Grid Project Manager – Katherine Vater / Brian Bermingham

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- Communications with the NYSDEC regarding the Draft Interim Site Management Plan (ISMP).

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Scholes Street Station

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Aug-07</b>	
Work Plan Submitted to NYSDEC	<b>Jul-10</b>	
Work Plan Approved	<b>Jan-12</b>	
Field Investigation Program Start	<b>Jan-14</b>	
Field Investigation Program Complete	<b>Mar-14</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Aug-14</b>	
Final Site Characterization Report Issued	<b>Dec-14</b>	
Monitoring Well Abandonment Completed	<b>Apr-15</b>	
Monitoring Well Decommissioning Letter Submitted to NYSDEC	<b>Sep-15</b>	
Interim Site Management Plan Submitted to NYSDEC	Jul-17	
Draft Site Management Plan Submitted	--	
Final Site Management Plan Issued	--	
Environmental Easement Draft (Site) Submitted to NYSDEC	--	

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0552-0606*** **Skillman Street Holder Station Former MGP Site**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Stephen Lawrence  
National Grid Project Manager – Donald Campbell

***March 31, 2018***

### **Field Activities**

- None

### **Deliverables**

- The draft Revised Interim Site Management Plan (ISMP) was submitted to NYSDEC on March 30, 2018.

### **Planned April & May 2018 Activities**

- Address NYSDEC and NYSDOH comments, if any, on the draft Revised ISMP.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- The site Hot Line was maintained and monitored.

### **Problems Encountered/Efforts to Mitigate Delays**

- In December 2016, the easement packages were submitted without corporate documents/articles of incorporation. Certificate of incorporation and articles of organization have since been obtained for the owners of 7 Skillman Street and 744 Bedford Avenue, respectively. At this point, the easements and the NYC-RPTs need to be signed for each property. Owners' attorney has been contacted for assistance in having these documents signed.

## Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Skillman Street Holder Station – 7 Skillman Street and 744 Bedford Avenue**

<b>Activity / Event</b>	<b>Milestone Date</b>	<b>Schedule Revisions</b>
NYSDEC ACO Signed	<b>Feb-07</b>	
Work Plan Submitted to NYSDEC	<b>Mar-07</b>	
Work Plan Approved	<b>Aug-07</b>	
Field Investigation Program Start	<b>Aug-10</b>	
Site Characterization Work Plan Addendum for Vapor Intrusion Investigation Submitted to NYSDEC	<b>Feb-11</b>	
Site Characterization Work Plan Addendum for Vapor Intrusion Investigation Approved	<b>Feb-11</b>	
7 Skillman Street Alternate Approach Submitted to NYSDEC	<b>Feb-11</b>	
7 Skillman St. Alternate Approach Approved	<b>Feb-11</b>	
7 Skillman St. Alternate Approach (Vapor Intrusion) Field Investigation Program Conducted	<b>Mar-11</b>	
Supplemental Site Characterization Work Plan Submitted to NYSDEC	<b>Aug-11</b>	
Supplemental Site Characterization Work Plan Approved	<b>Aug-11</b>	
Supplemental Site Characterization Field Investigation Program Start	<b>Aug-11</b>	
Alternate Approach Site Characterization Field Investigation Program Complete	<b>Sep-11</b>	
OU-1 Created	<b>Nov-11</b>	
Draft Combined OUs 1 and 2 Site Characterization Report Submitted to NYSDEC	<b>Jan-12</b>	
Final Combined OUs 1 and 2 Site Characterization Report Issued	<b>Feb-12</b>	
Significant Threat Determination	<b>Feb-12</b>	
OU-1 Site Characterization Field Investigation Start	<b>Jun-13</b>	
OU-1 Site Characterization Field Investigation Complete	<b>Jun-13</b>	

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# Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Skillman Street Holder Station – 7 Skillman Street and 744 Bedford Avenue (Cont'd)**

<b>Activity / Event</b>	<b>Milestone Date</b>	<b>Schedule Revisions</b>
Draft Final OU-1 Site Characterization Report Submitted to NYSDEC	<b>Dec-13</b>	
Revised Draft Final OU-1 Site Characterization Report Submitted to NYSDEC	<b>Mar-14</b>	
OU-1 Boundary Modification Request Submitted to NYSDEC	<b>Mar-14</b>	
OU-1 Boundary Modification Approved with Modification	<b>Aug-14</b>	
Final OU-1 Site Characterization Report Issued	<b>Nov-14</b>	
Significant Threat Determination	<b>Nov-14</b>	
PRAP Issued	<b>Feb-15</b>	
PRAP Public Meeting	<b>Mar-15</b>	
ROD Issued	<b>Mar-15</b>	
Pre-Design Sampling Proposal for 744 Bedford Avenue Submitted to NYSDEC	<b>Apr-15</b>	
Pre-Design Investigation Work Plan for 744 Bedford Avenue approved	<b>Apr-15</b>	
Draft Site Management Plan Submitted to NYSDEC	<b>Jun-15</b>	
Commence 744 Bedford Avenue Pre-Design Investigation Field Program	<b>Mar-16</b>	
Conduct Environmental Easement Survey	<b>Mar-16</b>	
Complete 744 Bedford Avenue Pre-Design Investigation Field Program	<b>Mar-16</b>	
Draft 744 Bedford Avenue Pre-Design Investigation Report Submitted to NYSDEC	<b>May-16</b>	
Revised Draft Interim Site Management Plan Submitted to NYSDEC	<b>Jan-17</b>	
Environmental Easement Package for 7 Skillman Street Submitted to NYSDEC w/o corporate documents.	<b>Dec-16</b>	
Interim Site Management Plan Approved by NYSDEC	<b>Mar-17</b>	

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# Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Skillman Street Holder Station – 7 Skillman Street and 744 Bedford Avenue (Cont'd)**

Activity / Event	Milestone Date	Schedule Revisions
Draft 744 Bedford Avenue Pre-Design Investigation Report Approved	<b>Mar-17</b>	
Environmental Easement Package for 744 Bedford Avenue Submitted to NYSDEC w/o articles of organization	<b>Dec-16</b>	
Commence Annual Groundwater Sampling and Annual Site Inspection under March 2017 ISMP	<b>Aug-17</b>	
Submit 2017 Annual Groundwater Sampling Report	<b>Dec-17</b>	
Submit 2017 Annual Site Inspection Form	<b>Dec-17</b>	
2017 Annual Groundwater Sampling Report Approved by NYSDEC	<b>Jan-18</b>	
Submit Revision 1 to the Interim Site Management Plan to NYSDEC	<b>Mar-18</b>	<b>Actual</b>
Revision 1 to the Interim Site Management Plan Approved by NYSDEC	Apr-18	
Environmental Easement 7 Skillman Street	May-18	
Environmental Easement 744 Bedford Avenue	May-18	
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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule Skillman Street Holder Station - 39 Skillman Street (Formerly OU-2)

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Feb-07</b>	
Submit Work Plan Submitted to NYSDEC	<b>Mar-07</b>	
Work Plan Approved	<b>Aug-07</b>	
Field Investigation Program Start	<b>Aug-10</b>	
Site Characterization Work Plan Addendum for Vapor Intrusion Investigation Submitted to NYSDEC	<b>Feb-11</b>	
Site Characterization Work Plan Addendum for Vapor Intrusion Investigation Approved	<b>Feb-11</b>	
Supplemental Site Characterization Work Plan Submitted to NYSDEC	<b>Aug-11</b>	
Supplemental Site Characterization Work Plan Approved	<b>Aug-11</b>	
Supplemental Site Characterization Field Investigation Program Start	<b>Aug-11</b>	
Site Characterization Field Investigation Program Complete	<b>Sep-11</b>	
OU-2 Created	<b>Nov-11</b>	
Draft Combined OUs 1 and 2 Site Characterization Report Submitted to NYSDEC	<b>Jan-12</b>	
Final Combined OUs 1 and 2 Site Characterization Report Issued	<b>Feb-12</b>	
No Further Action Determination and Covenant Not to Sue	<b>Mar-12</b>	

***No Further Action is Required for Operable Unit 2***

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# **Progress Report for February & March 2018**

***Order on Consent – Index No. A2-0552-0606***

**Union Station (Citizens Branch) Holder Station**

NYSDEC Project Manager – Scott Deyette

NYSDOH Project Manager – Stephanie Selmer

National Grid Project Manager – Sarah Aldridge

***March 31, 2018***

## **Field Activities**

- None

## **Deliverables**

- None

## **Planned April & May 2018 Activities**

- Respond to NYSDEC's comments to the draft Site Characterization report.
- Revise the Site Characterization report based on NYSDEC's comments, if provided.

## **Schedule Deviations**

- None

## **Work Plan Modifications That Have Been Approved**

- None

## **CPP and Community Activities**

- None

## **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Union Station (Citizens Branch) Holder Station

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	<b>Aug-07</b>	
Work Plan Submitted to NYSDEC	<b>Jul-09</b>	
Work Plan Approved	<b>Sep-09</b>	
Revised Work Plan Submitted to NYSDEC	<b>Oct-15</b>	
Revised Work Plan Approved	<b>Oct-15</b>	
Field Investigation Program Start	<b>Nov-15</b>	
Field Investigation Program Complete	<b>Mar-16</b>	
Draft Site Characterization Report Submitted to NYSDEC	<b>Dec-16</b>	
Final Site Characterization Report Issued	Jul-18	
Significant Threat or No Further Action Determination	--	

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# **Progress Report for February & March 2018**

## **Williamsburg Works Former MGP Site**

NYSDEC Project Manager – Gerry Pratt  
NYSDOH Project Manager – Arunesh Ghosh  
National Grid Project Manager – Donald Campbell  
Website - [www.williamsburgmgpsite.com](http://www.williamsburgmgpsite.com)

***March 31, 2018***

### **Field Activities**

- Continued NAPL collection.

### **Deliverables**

- Submitted Quarterly NAPL collection summary on February 9, 2018.
- Amended CCR submitted to NYSDEC on March 18, 2018

### **Planned April & May 2018 Activities**

- Continued NAPL collection.
- Reseeding at 50 Kent Avenue.
- NAPL recovery well maintenance.

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- The site website was maintained.
- The site Hot Line was maintained and monitored.

### **Problems Encountered/Efforts to Mitigate Delays**

- None

## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Williamsburg Works

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Aug-07	
Submit Remedial Investigation Work Plan Submitted to NYSDEC	Mar-08	
Remedial Investigation Work Plan Approved	Jun-08	
Submit 35 Kent Ave RIWP Addendum Submitted NYSDEC	Nov-08	
35 Kent Ave RIWP Addendum Approved	Dec-08	
50 Kent Ave RIWP Addendum Submitted to NYSDEC	Feb-09	
50 Kent Ave RIWP Addendum Approved	Mar-09	
Remedial Investigation Field Investigation Program Start	May-09	
50 Kent Avenue Deep Investigation RIWP Addendum Submitted to NYSDEC	Dec-09	
50 Kent Avenue Deep Investigation RIWP Addendum Approved	Dec-09	
50 Kent Avenue Deep Investigation Addendum Field Work Program Start	Dec-09	
50 Kent Avenue Deep Investigation Addendum Field Work Program Complete	Dec-09	
Remedial Investigation Interim Data Deliverable Submitted to NYSDEC	Aug-10	
Submit Supplemental RIWP Submitted to NYSDEC	Aug-10	
Supplemental RIWP Approved	Sep-10	
Supplemental Remedial Investigation Field Investigation Program Start	Oct-10	
50 Kent Avenue Interim Remedial Measure Design Work Plan Submitted to NYSDEC	Jan-11	
50 Kent Avenue Interim Remedial Measure Design Work Plan Approved	Aug-11	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Williamsburg Works (cont.)

Activity / Event	Milestone Date	Schedule Revisions
50 Kent Avenue Interim Remedial Measure Pre-Design Field Investigation Start	<b>Feb-12</b>	
50 Kent Avenue Interim Remedial Measure Pre-Design Field Investigation Complete	<b>Nov-12</b>	
50 Kent Avenue Interim Remedial Measure Data Report Submitted to NYSDEC	<b>Feb-13</b>	
50 Kent Avenue Interim Remedial Measure Draft Supplemental Pre-Design Investigation Work Plan Submitted to NYSDEC	<b>Feb-13</b>	
50 Kent Avenue Interim Remedial Measure Pre-Design Investigation Supplemental Work Plan Submitted to NYSDEC	<b>Feb-13</b>	
Submit 50 Kent Avenue Interim Remedial Measure Design and Implementation Plan	<b>Mar-13</b>	
50 Kent Avenue Interim Remedial Measure Design and Implementation Plan Approved	<b>Apr-13</b>	
50 Kent Avenue Interim Remedial Measure Supplemental Pre-Design Investigation Field Program Start	<b>Mar-13</b>	
50 Kent Avenue Interim Remedial Measure Design Field Program Complete	<b>Apr-13</b>	
Remedial Investigation Field Investigation Program Complete	<b>Dec-12</b>	
50 Kent Ave. Recovery Well Interim Remedial Measure Work Plan Submitted to NYSDEC	<b>Oct-13</b>	
50 Kent Ave. Recovery Well Interim Remedial Measure Work Plan Approval	<b>Oct-13</b>	
50 Kent Ave. Recovery Well Construction Field Start	<b>Aug-14</b>	
50 Kent Ave. Recovery Well Construction Field Completion	<b>Apr-14</b>	
Draft NAPL Recovery Plan Submitted to NYSDEC	<b>Oct-14</b>	
50 Kent Ave. Recovery Well O&M Start	<b>Sep-14</b>	

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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Williamsburg Works (cont.)

Activity / Event	Milestone Date	Schedule Revisions
50 Kent Ave. Recovery Well Draft Construction Completion Report Submittal	<b>Dec-14</b>	
50 Kent Ave. Recovery Well CCR Approved	<b>Sep-15</b>	
50 Kent Ave Soil Interim Remedial Measure 50% Design Submitted to NYSDEC	<b>Oct-14</b>	
50 Kent Ave Soil Interim Remedial Measure 50% Design Approved	<b>Nov-14</b>	
50 Kent Avenue Interim Remedial Measure Design Investigation Work Plan Submitted to NYSDEC	<b>Nov-14</b>	
50 Kent Avenue Interim Remedial Measure Design Investigation Work Plan Submitted to NYSDEC	<b>Nov-14</b>	
50 Kent Ave. Recovery Well Draft Construction Completion Report Submitted to NYSDEC	<b>Dec-14</b>	
Commence 50 Kent Avenue Design Investigation Field Work	<b>Dec-14</b>	
50 Kent Avenue Design Investigation Field Work Completed	<b>Jan-15</b>	
50 Kent Ave Soil Interim Remedial Measure 95% Design Submitted to NYSDEC	<b>Dec-14</b>	
50 Kent Ave Soil Interim Remedial Measure 95% Design Approved	<b>Apr-15</b>	
50 Kent Ave Soil Interim Remedial Measure 100% Design Submitted to NYSDEC	<b>Jun-15</b>	
50 Kent Ave Soil Interim Remedial Measure 100% Design Approved	<b>Aug-15</b>	
Draft Remedial Investigation Report Submitted to NYSDEC	<b>Jan-15</b>	
Commence 50 Kent Avenue Interim Remedial Measure	<b>Nov-15</b>	
50 Kent Avenue Interim Remedial Measure Completed	<b>Jun-17</b>	
ACO, Index No. A2-0552-0606, terminated with respect to the Williamsburg Works MGP site	<b>Nov-17</b>	
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## Progress Report for February & March 2018

### National Grid Manufactured Gas Plant Program ACO Milestone Schedule Williamsburg Works (cont.)

Activity / Event	Milestone Date	Schedule Revisions
50 Kent Avenue Interim Remedial Measure Construction Completion Report Submitted to NYSDEC	<b>Jan-18</b>	
50 Kent Avenue Interim Remedial Measure Construction Completion Report Approved by NYSDEC	<b>Mar-18</b>	<b>Actual</b>

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# **Progress Report for February & March 2018**

## ***Order on Consent – Index No. A2-0552-0606*** **Wythe Ave. Station**

NYSDEC Project Manager – Scott Deyette  
NYSDOH Project Manager – Renata Ockerby  
National Grid Project Manager – Donald Campbell

***March 31, 2018***

### **Field Activities**

- None

### **Deliverables**

- None

### **Planned April & May 2018 Activities**

- None

### **Schedule Deviations**

- None

### **Work Plan Modifications That Have Been Approved**

- None

### **CPP and Community Activities**

- The site Hot Line was maintained and monitored.

### **Problems Encountered/Efforts to Mitigate Delays**

- OU 2 Environmental Easement package submitted to NYSDEC, without corporate documents, on August 9, 2017. Corporate documents were submitted to NYSDEC in January 2018. Waiting for NYSDEC review them before proceeding with pursuing execution of easement.
- OU 1 Environmental Easement package submitted to NYSDEC, without corporate documents, on September 5, 2017.

# Progress Report for February & March 2018

**National Grid Manufactured Gas Plant Program  
ACO Milestone Schedule  
Wythe Ave. Station – 55 Wythe Avenue (OU 1), Block 2283, Lot 1**

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Aug-07	
Submit Work Plan to NYSDEC	Jul-10	
Work Plan Approved	Sep-11	
Field Investigation Program Start	Dec-11	
Field Investigation Program Complete	Jun -12	
Draft Site Characterization Report Submitted to NYSDEC	Sep-12	
Final Site Characterization Report Issued	Mar-13	
Significant. Threat Determination	Aug-13	
Draft Interim Site Management Plan Submitted to NYSDEC	Feb-14	
Interim Site Management Plan Approved	Jun-14	
Draft Additional Investigation Work Plan(s) Submitted to NYSDEC	Feb-14	
Additional Investigation Work Plan(s) Approved	Feb-14	
Begin Additional Investigation Field Work	Feb-14	
Complete Additional Investigation Field Work	May-14	
Wythe Berry Commences Subsurface Site Redevelopment Interim Remedial Measure	Jun-14	
Wythe Berry Completes Subsurface Site Redevelopment/Interim Remedial Measure	Dec-14	
Draft Wythe Berry Redevelopment Interim Remedial Measure Work Plan Submitted to NYSDEC	Jan-15	
Draft Additional Investigation Report Submitted to NYSDEC	Jan-15	
Draft Wythe Berry Redevelopment/Interim Remedial Measure Construction Completion Report Submitted to NYSDEC	Jan-15	
Additional Investigation Report Approved by NYSDEC	Jul-15	

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# Progress Report for February & March 2018

<b>National Grid Manufactured Gas Plant Program ACO Milestone Schedule Wythe Ave. Station – 55 Wythe Avenue (OU 1), Block 2283, Lot 1 (cont.)</b>		
<b>Activity / Event</b>	<b>Milestone Date</b>	<b>Schedule Revisions</b>
Wythe Berry Redevelopment/Interim Remedial Measure Construction Completion Report Approved by NYSDEC	<b>Jul-15</b>	
PRAP Issued	<b>Feb-17</b>	
PRAP Public Meeting	<b>Mar-17</b>	
ROD Issued	<b>Mar-17</b>	
Draft Phase I Off-site Groundwater Report/Draft Phase II Work Plan Submitted to NYSDEC Mar-17Actual	<b>Mar-17</b>	
Conduct Environmental Easement Survey	<b>Apr-17</b>	
Phase I Off-site Groundwater Investigation Report/Phase II Work Plan Approved	<b>Jun-17</b>	
Commence Phase II Off-site Groundwater Investigation Scope of Work	<b>Jun-17</b>	
Draft, Revision 1 to the Interim Site Management Plan Submitted to NYSDEC	<b>Jun-17</b>	
Complete Phase II Off-site Groundwater Investigation Scope of Work	<b>Jul-17</b>	
Conduct Annual Site Inspection per Draft Revision 1 to the Interim Site Management Plan	<b>Jul-17</b>	
Conduct Post-Redevelopment Monitoring Groundwater Sampling Event per May 2014 ISMP	<b>Jul-17</b>	
Environmental Easement Package Submitted to NYSDEC	<b>Sep-17</b>	
Draft Phase II Off-site Groundwater Investigation Report Submitted to NYSDEC	<b>Oct-17</b>	
Draft Post-Redevelopment Groundwater Sampling Report Submitted to NYSDEC	<b>Oct-17</b>	
Revision 1 to the Interim Site Management Plan Approved by NYSDEC	<b>Oct-17</b>	
Submit 2017 Annual Site Inspection Form	<b>Dec-18</b>	
Phase II Off-site Groundwater Monitoring Report Approved by NYSDEC	<b>Jan-18</b>	
Post-Redevelopment Groundwater Sampling Report Approved by NYSDEC	<b>Jan-18</b>	
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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program

### ACO Milestone Schedule

Wythe Ave. Station – 55 Wythe Avenue (OU 1), Block 2283, Lot 1 (cont.)

Activity / Event	Milestone Date	Schedule Revisions
Environmental Easement	--	
Draft Final Engineering Report Submitted to NYSDEC	--	
Draft Site Management Plan Submitted to NYSDEC	--	
Site Management Plan Approved by NYSDEC	--	
Final Engineering Report Approved by NYSDEC	--	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program

### ACO Milestone Schedule

**Wythe Ave. Station – 20 Berry Street (OU 2), Block 2283, Lots 25, 28, 31, 33, 35, 38, 41, and 43**

Activity / Event	Milestone Date	Schedule Revisions
NYSDEC ACO Signed	Aug-07	
Work Plan Submitted to NYSDEC	Jul-10	
Work Plan Approved	Sep-11	
Field Investigation Program Start	Dec-11	
Field Investigation Program Complete	Jun-12	
Draft Site Characterization Report Submitted to NYSDEC	Sep-12	
Final Site Characterization Report Issued	Mar-13	
Significant Threat Determination	Aug-13	
Draft Interim Site Management Plan Submitted to NYSDEC	Feb-14	
Interim Site Management Plan Approved	Jun-14	
Draft Additional Investigation Work Plan(s) Submitted to NYSDEC	Feb-14	
Additional Investigation Work Plan(s) Approved	Feb-14	
Begin Additional Investigation Field Work	Feb-14	
Complete Additional Investigation Field Work	May-14	
Draft Phase I Additional Groundwater Monitoring Scope of Work Submitted to NYSDEC	Jan-15	
Phase I Additional Groundwater Monitoring Scope of Work Approved	Feb-15	
Commence Phase I Off-site Groundwater Monitoring Scope of Work	Feb-15	
Additional Investigation Report	Jul-15	
Draft Phase I Off-site Groundwater IDD/Draft Additional Phase I Work Plan Submitted to NYSDEC	Jun-15	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program

### ACO Milestone Schedule

**Wythe Ave. Station – 20 Berry Street (OU 2), Block 2283, Lots 25, 28, 31, 33, 35, 38, 41, and 43**

Activity / Event	Milestone Date	Schedule Revisions
Draft Phase I Off-site Groundwater IDD/Draft Additional Phase I Work Plan Approved	<b>Jul-15</b>	
Commence Additional Phase I Off-site Groundwater Monitoring Scope of Work	<b>Aug-15</b>	
Draft Additional Phase I Off-site Groundwater IDD/Draft Additional Phase I Work Plan Submitted to NYSDEC	<b>Nov-15</b>	
Draft Additional Phase I Off-site Groundwater IDD/Draft Additional Phase I Work Plan Approved	<b>Jan-16</b>	
Commence Additional Phase 1 Off-Site Groundwater Monitoring Scope of Work	<b>Feb-16</b>	
Conduct Environmental Easement Survey	<b>May-16</b>	
Complete Original and Additional Phase I Off-site Groundwater Monitoring Scope of Work	<b>Jun-16</b>	
Environmental Easement Package Submitted to NYSDEC	<b>Aug-17</b>	
Draft Phase I Off-site Groundwater Report/Draft Phase II Work Plan Submitted to NYSDEC	<b>Mar-17</b>	
Phase I Off-site Groundwater Investigation Report/Phase II Work Plan Approved	<b>Jun-17</b>	
Draft, Revision 1 to the Interim Site Management Plan Submitted to NYSDEC	<b>Jun-17</b>	
Commence Phase II Off-site Groundwater Investigation Scope of Work	<b>Jun-17</b>	
Complete Phase II Off-site Groundwater Investigation Scope of Work	<b>Jul-17</b>	
Conduct Annual Site Inspection per Draft Revision 1 to the Interim Site Management Plan	<b>Jul-17</b>	
Conduct Post-Redevelopment Monitoring Groundwater Sampling Event per May 2014 ISMP	<b>Jul-17</b>	
Environmental Easement Package Submitted to NYSDEC	<b>Aug-17</b>	
Revision 1 to the Interim Site Management Plan Approved by NYSDEC	<b>Oct-17</b>	
Draft Phase II Off-site Groundwater Monitoring Report Submitted to NYSDEC	<b>Oct-17</b>	

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# Progress Report for February & March 2018

## National Grid Manufactured Gas Plant Program ACO Milestone Schedule

Wythe Ave. Station – 20 Berry Street (OU 2), Block 2283, Lots 25, 28, 31, 33, 35, 38, 41, and 43

Activity / Event	Milestone Date	Schedule Revisions
Submit 2017 Annual Site Inspection Form	<b>Dec-18</b>	
Phase II Off-site Groundwater Monitoring Report Approved by NYSDEC	<b>Jan-18</b>	
Environmental Easement	--	
Draft Interim Remedial Measure Work Plan Submitted to NYSDEC	--	
Interim Remedial Measure Work Plan Approved	--	
Implement Interim Remedial Measure	--	
Complete Implementation of Interim Remedial Measure Plan	--	
Draft Interim Remedial Measure Construction Completion Report Submitted to NYSDEC	--	
Interim Remedial Measure Construction Completion Report Approved by NYSDEC	--	
PRAP Issued	--	
PRAP Public Meeting	--	
ROD Issued	--	
Draft Final Engineering Report Submitted to NYSDEC	--	
Draft Site Management Plan Submitted to NYSDEC	--	
Site Management Plan Approved by NYSDEC	--	
Final Engineering Report Approved by NYSDEC	--	

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## National Grid – Former New York City Service Territory MGP Project Schedules

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## National Grid – Former New York City Service Territory MGP Project Schedules

Color Key and Header Notes		
SC	Site Characterization	DEC FY – NYSDEC Fiscal Year NG FY – National Grid Fiscal Year SMP <sup>1</sup> – Requires inspection / certification and management of intrusive work SMP <sup>2</sup> – Requires inspection only XXX <sup>3</sup> – Access constraints are limiting the range of activities which could be performed XXX <sup>4</sup> – Site activities on hold per schedule agreement between NG and NYSDEC
RI/FS	Remedial Investigation & Feasibility Study	
RD	Remedial Design	
RA	Remedial Action	
IRM	Interim Remedial Measure	
OM&M	Operation, Monitoring & Maintenance / Site Management Plan	

National Grid – Final January 2017

## National Grid – Former Long Island Service Territory MGP Project Schedules

Site No.	Site name	DEC FY 2016 NG FY 2017 4/1/16 to 3/31/2017				DEC FY 2017 NG FY 2018 4/1/17 to 3/31/2018				DEC FY 2018 NG FY 2019 4/1/18 to 3/31/2019			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
152180	Babylon MGP	RD				RD				RD	RA		
152172	Bay Shore MGP	OU-1	O&M			O&M			O&M				
		OU-2	O&M			O&M			O&M				
		OU-3	O&M			O&M			O&M				
		OU-4	O&M			O&M			O&M				
	Brentwood Disposal Site	NO FURTHER ACTION				NO FURTHER ACTION				NO FURTHER ACTION			
130120	East Garden City Holder	O&M / SMP <sup>1</sup>				O&M / SMP <sup>1</sup>				O&M / SMP <sup>1</sup>			
241032	Far Rockaway MGP	O&M / SMP <sup>1</sup>				O&M / SMP <sup>1</sup>				O&M / SMP <sup>1</sup>			
130105	Garden City Gas Works	NO FURTHER ACTION				NO FURTHER ACTION				NO FURTHER ACTION			
130089	Glen Cove MGP	RA				RA			O&M/SMP <sup>1</sup>	O&M / SMP <sup>1</sup>			
V00351	Glenwood Landing Holder	NO FURTHER ACTION / SMP <sup>1</sup>				NO FURTHER ACTION / SMP <sup>1</sup>				NO FURTHER ACTION / SMP <sup>1</sup>			
152173	Halesite MGP	O&M				O&M				O&M			
130106	Hempstead (Clinton Road) MGP	O&M				O&M				O&M			
130086	Hempstead (Intersection Street) MGP	O&M				O&M				O&M			
130121	Inwood Holder	RI				FS				FS		RD	
130122	Long Beach Holder	NO FURTHER ACTION				NO FURTHER ACTION				NO FURTHER ACTION			
152182	Patchogue MGP	RD				RD				RD			RA
241029	Rockaway Park MGP	Grid	RA			RA	O&M			O&M			
		NYC	RA			RA	O&M			O&M			
152159	Sag Harbor MGP	O&M / SMP <sup>1</sup>				O&M / SMP <sup>1</sup>				O&M / SMP <sup>1</sup>			

Color Key and Header Notes		
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