



**450 UNION STREET
NAPL GAUGING AND RECOVERY
MONTHLY REPORT – DECEMBER 2022**

450 Union Street – NAPL Gauging and Recovery
New York State Department of Environmental Conservation (NYSDEC)
BCP Site No. C224219

Monthly Report No. 9

This report serves to document Dense Non-Aqueous Phase Liquid (DNAPL) gauging and recovery performed by GZA GeoEnvironmental, Inc. (GZA), on behalf of National Grid, at the 450 Union Street property in Brooklyn, New York (Site). Consistent with the October 2020 Remedial Action Work Plan (RAWP) prepared by Langan on behalf of 450 Union LLC and 450 Union Developer LLC, DNAPL gauging, and recovery was performed at two wells (RW-01 and RW-02) which are located on the eastern portion of the Site.

Summary of Field Activities:

- On December 28, 2022, GZA performed DNAPL gauging and recovery at RW-01 and RW-02. The table below provides a summary of this event, and the attached **Table 1** summarizes gauging and recovery data collected by GZA to date.

Pre-Recovery						Post Recovery	
Well ID	Date	Depth to Water (ft)	Depth to NAPL (ft)	DNAPL Thickness (ft)	DNAPL Volume Removed (gal)	Depth to NAPL (ft)	DNAPL Thickness (ft)
RW-01	12/28/22	11.17	39.51	9.39	35	Trace	Trace
RW-02	12/28/22	11.27	50.53	7.82	55	Trace	Trace

- The area around each well was covered with polyethylene sheeting prior to performance of gauging and recovery activities.
- Approximately 90 gallons of DNAPL/water mixture was recovered from the two wells during the December 28, 2022, recovery event with a submersible pump and the Pulse Pump® Model LP1301.
- The recovered DNAPL/water and polyethylene sheeting/PPE were containerized in 55-gallon drums. Prior to leaving the Site, these drums were transported off-Site for disposal by Miller Environmental Group at the Waterworks, facility in Newburgh, New York (PPE), and Norlite facility in Cohoes, New York (DNAPL). A copy of the disposal manifests is attached.



February 2023
450 Union Street
Brooklyn, New York
File No. 03.0034060.10

Attachments: Table 1: Summary of NAPL Gauging and Recovery Activities

Attachment A: Disposal Manifest

Certification

I, James J. Clark, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this field report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

James J. Clark, P.E., LEP
Qualified Environmental Professional

2/13/2023
Date


Signature



February 2023
450 Union Street
Brooklyn, New York
File No. 03.0034060.10

TABLE 1
SUMMARY OF NAPL GAUGING ACTIVITIES

TABLE 1
Summary of NAPL Gauging and Recovery Activities
450 Union Street
Brooklyn, NY

[illegible]

TABLE 1
Summary of NAPL Gauging and Recovery Activities
450 Union Street
Brooklyn, NY

[illegible]



February 2023
450 Union Street
Brooklyn, New York
File No. 03.0034060.10

ATTACHMENT A
DISPOSAL MANIFEST

Please print or type

BILL OF LADING		1. Document No. NET1141		2. Page 1 of	
3. Offeror Name and Mailing Address NATIONAL GRID 175 East Old Country Road Hicksville, NY 11801		Site Address NATIONAL GRID 450 UNION ST BROOKLYN, NY 11231			
4. Offeror Phone () 347-213-8874					
5. Transporter 1 Company Name MILLER ENVIRONMENTAL GROUP, INC		6. EPA ID # NYD986908085		A. State Transporter's ID	
7. Transporter 2 Company Name		8. EPA ID #		B. Transporter 1 Phone 800-394-8808	
9. Designated Facility Name and Site Address WATERWORKS 77 STEWART AVENUE NEWBURGH, NY 12560		10. EPA ID # NYR000236340		C. State Transporter's ID	
HM				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone 845-590-0408	
11. Shipping Name		12. Containers		13. Total Quantity	
a. NON-RCRA, NON-DOT, SOLIDS, N.O.S (PPE)		No. Type		Unit Wt./Vol.	
		1 50		P	
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above					
Document # D34334 Job #: NY02221349 PO#					
1) 20d00159 1 X55-GAL DRUM TRUCK # 4625					
Approval # 1900002M					
15. Special Handling Instructions and Additional Information					
16. OFFEROR CERTIFICATION: I hereby certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulation of the Department of Transportation. The materials described on this document are not subject to federal uniform hazardous waste manifest requirements.					
Printed/Typed Name Soel Crespo				Signature <i>Soel Crespo</i>	
Date 12/28/22					
17. Transporter 1 Acknowledgment of Receipt of Materials					
Printed/Typed Name				Signature	
Date Month Day Year					
18. Transporter 2 Acknowledgment of Receipt of Materials					
Printed/Typed Name Soel Crespo				Signature <i>Soel Crespo</i>	
Date Month Day Year 12/28/22					
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in Item 19.					
Printed/Typed Name Thomas NELAS				Signature <i>Thomas NELAS</i>	
Date Month Day Year 12/28/22					

BILL OF LADING

GENERATOR

TRANSPORTER

FACILITY

Please print or type

BILL OF LADING		1. Document No. MET1142		2. Page 1 of	
3. Offeror Name and Mailing Address NATIONAL GRID 175 East Old Country Road Hicksville, NY 11801		Site Address NATIONAL GRID 450 UNION ST BROOKLYN, NY 11231			
4. Offeror Phone () 347-213-8874					
5. Transporter 1 Company Name MILLER ENVIRONMENTAL GROUP, INC		6. EPA ID # NYD9886908085		A. State Transporter's ID	
7. Transporter 2 Company Name		8. EPA ID #		B. Transporter 1 Phone 800-394-8606	
9. Designated Facility Name and Site Address HM NORLITE, LLC 628 S. SARATOGA ST. COHOES, NY 12047		10. EPA ID # NYD080469935		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone 518-235-0401	
11. Shipping Name		12. Containers No. Type		13. Total Quantity	
a. NON-RCRA, NON-DOT REGULATED LIQUIDS N.O.S.(DNAPLE)		2 DM		105	
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above Document # D34335 Job #: NY02221349 PO# 1) APPROVAL# _____ 2 X55-GAL DRUM, TRUCK # 6605 Appr: 1000362816					
15. Special Handling Instructions and Additional Information					
16. OFFEROR CERTIFICATION: I hereby certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulation of the Department of Transportation. The materials described on this document are not subject to federal uniform hazardous waste manifest requirements. National Grid Ass Agents for [Signature] Joel Crespo Date 12/28/22					
Printed/Typed Name		Signature		Month Day Year	
17. Transporter 1 Acknowledgment of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Month Day Year	
18. Transporter 2 Acknowledgment of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.					
Printed/Typed Name		Signature		Date	

BILL OF LADING

GENERATOR

TRANSPORTER

FACILITY



GZA GeoEnvironmental of New York