



**450 UNION STREET  
NAPL GAUGING AND RECOVERY  
MONTHLY REPORT – JANUARY 2023**

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

Monthly Report No. 10

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 January 31, 2023, 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	1/31/23	12.50	39.10	9.80	25	Trace	Trace
RW-02	1/31/23	12.80	52.60	5.75	70	Trace	Trace

- The area around each well was covered with polyethylene sheeting prior to performance of gauging and recovery activities.
- Approximately 95 gallons of DNAPL/water mixture was recovered from the two wells during the January 31, 2023, recovery event with a submersible pump and the Pulse Pump<sup>®</sup> 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

2/28/2023  
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		Generator EPA ID #		1. Document No.		2. Page 1 of	
3. Generator's Name and Mailing Address National Grid 175 E Old Country Rd Hicksville NY 11801				Site Address National Grid 450 Union St Brooklyn NY 11231			
4. Generator's Phone ( )		5. Transporter 1 Company Name Miller Environmental Group		6. EPA ID # NYD986908085		A. State Transporter's ID	
7. Transporter 2 Company Name		8. EPA ID #		B. Transporter 1 Phone 502-371-5506		C. State Transporter's ID	
9. Designated Facility Name and Site Address Merite IIc 628 S. Saratoga St Hicksville NY 11801		10. EPA ID # NYD080469935		D. Transporter 2 Phone		E. State Facility's ID	
11. Shipping Name		12. Containers		13. Total Quantity		14. Unit Wt./Vol.	
a. NON RHA, NON DOT Regulated Liquids N.O.S (DNAPIE)		No. Type		2 DMT B10 G			
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above Appr: 1000362816 Job # NY02230244 Truck # 6605							
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S 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 Miller as Agent for National Grid				Signature Jorge Rubio		Date Month Day Year 1 31 23	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Jorge Rubio		Date Month Day Year 1 31 23	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date 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 Deborah Duquett				Signature Deborah Duquett		Date Month Day Year 09 10 23	

GENERATOR

TRANSPORTER

FACILITY

BILL OF LADING



Please print or type

**BILL OF LADING**

Generator EPA ID #

1. Document No.

2. Page 1

of

3. Generator's Name and Mailing Address

National Grid  
175 E. Old Country Rd  
Hicksville, NY 11801

Site Address

National Grid  
450 Union St  
Brooklyn, NY 11231

4. Generator's Phone ( )

5. Transporter 1 Company Name

7. Transporter 2 Company Name

6. EPA ID #

8. EPA ID #

10. EPA ID #

A. State Transporter's ID

B. Transporter 1 Phone

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone

9. Designated Facility Name and Site Address

Water works  
17 Stewart Ave  
HM Newburgh, NY 12550

845-892-0408

11. Shipping Name

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt./Vol.

a. Non RCRK, NON Ddt, Solids, N.O.S. (PPE)

1 DM

55

P

b.

c.

d.

G. Additional Descriptions for Materials Listed Above

T35003 Job # NY02230244  
20260159 Truck # 6605

15. Special Handling Instructions and Additional Information

**16. GENERATOR'S 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.

Date

Printed/Typed Name

Signature

Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

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.

Date

Printed/Typed Name

Signature

Month Day Year

BILL OF LADING

GENERATOR

TRANSPORTER

FACILITY





GZA GeoEnvironmental of New York