



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

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

Monthly Report No. 4

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 July 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	7/28/22	10.34	39.34	9.56	16	Trace	Trace
RW-02	7/28/22	10.24	51.75	6.60	22	Trace	Trace

- The area around each well was covered with polyethylene sheeting prior to performance of gauging and recovery activities.
- Approximately 38 gallons of DNAPL/water mixture was recovered from the two wells during the July 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.



August 2022
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

8/22/2022

Date

A handwritten signature in blue ink that reads "James J. Clark". The signature is written in a cursive style and is positioned above a horizontal line.

Signature



August 2022
450 Union Street
Brooklyn, New York
File No. 03.0034060.10

TABLE 1
SUMMARY OF NAPL GAUGING ACTIVITIES



August 2022
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 # N/A	1. Document No. MET1010	2. Page 1 of 1
3. Generator's Name and Mailing Address NATIONAL GRID 175 East Old Country Road Hicksville, NY 11801 4. Generator's Phone (347-213-8874			Site Address NATIONAL GRID 450 UNION ST BROOKLYN, NY 11231	
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 800-394-8606	
9. Designated Facility Name and Site Address TRADEBE TREATMENT AND RECYCLING 50 CROSS STREET BRIDGEPORT, CT 06810 HM		10. EPA ID # CTD002630882 NYR000236241	C. State Transporter's ID	
11. Shipping Name NON-RCRA, NON-DOT, SOLIDS, N.O.S. (PPE)		12. Containers No. 1	13. Total Quantity 4	14. Unit Wt./Vol. P
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.		
G. Additional Descriptions for Materials Listed Above 1) 20D00159 X 55-GAL DRUM;		Document # D30371 Job #: NY02220840 PO# TRUCK # 6523 Approval 19000002M		
17. Transporter 1 Acknowledgement of Receipt of Materials		Date 7/20/02		
18. Transporter 2 Acknowledgement of Receipt of Materials		Date 7/21/02		
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 08/05/02		

BILL OF LADING

GENERATOR

TRANSPORTER

FACILITY

John Orsini, ASI Waste for Nat Grid
 Signature: [Signature] Date: 7/20/02
 Signature: [Signature] Date: 7/21/02
 Signature: [Signature] Date: 08/05/02

#3303323

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

800-394-8669 MET1010 0004742

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

National Grid
175 E Old Country Rd
Hicksville NY 11801

National Grid
450 Union St. Brooklyn NY 11231

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

Miller environmental Group

NYD 986906085

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

~~North~~
~~6285 Scratogeus St~~
~~Cones, NY 12047~~
Facility's Phone: ~~18-235-0030~~ Bridgeport, CT 06610

NY D080469935

NYD 06856008

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. Non-RCRA, Non-DOT liquids M.O.S (ONAPIF)

1

DM

SS

5

2.

3.

4.

13. Special Handling Instructions and Additional Information

1) 1000362816 - X SS - Gal drum

Doc # D30370 Job # NY02220840

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

Joel Crespo AS Agent for National Grid

[Signature]

7 28 22

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

INTL

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Joel Crespo

[Signature]

7 28 22

Transporter 2 Printed/Typed Name

Signature

Month Day Year

Jose Cruz

[Signature]

8 9 22

TRANSPORTER

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

DESIGNATED FACILITY

18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year



GZA GeoEnvironmental of New York