



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

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

Monthly Report No. 5

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 August 30, 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	8/30/22	10.19	39.15	9.75	20	Trace	Trace
RW-02	8/30/22	10.41	49.90	8.45	35	56.85	1.5

- The area around each well was covered with polyethylene sheeting prior to performance of gauging and recovery activities.
- Approximately 55 gallons of DNAPL/water mixture was recovered from the two wells during the August 30, 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.



September 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

9/26/2022
Date


Signature



September 2022
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]



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

ATTACHMENT A
DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Waste Tracking Number	
		N/A						MET1045	
5. Generator's Name and Mailing Address					Generator's Site Address (if different than mailing address)				
NATIONAL GRID 175 East Old Country Road Hicksville, NY 11801					NATIONAL GRID 450 UNION ST BROOKLYN, NY 11231				
Generator's Phone: 347-213-8874									
6. Transporter 1 Company Name					U.S. EPA ID Number				
MILLER ENVIRONMENTAL GROUP, INC					NYD986908085				
7. Transporter 2 Company Name					U.S. EPA ID Number				
					800-394-86				
8. Designated Facility Name and Site Address					U.S. EPA ID Number				
WATERWORKS 77 STEWART AVENUE NEWBURGH, NY 12550					N/A				
Facility's Phone:					845-590-0408				
9. Waste Shipping Name and Description					10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
					No.	Type			
1. NON-RCRA, NON-DOT, SOLIDS, N.O.S (PPE)					1	Dm	100	P	
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information									
Document # D31390 Job #: NY02220951 PO#									
1) 20d00169 X55-GAL DRUM; TRUCK# 6621									
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.									
Generator's/Officer's Printed/Typed Name					Signature		Month Day Year		
Asg for National Grid William Fuentes							08 30 22		
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.									
Transporter Signature (for exports only):					Port of entry/exit: Date leaving U.S.:				
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name					Signature		Month Day Year		
William Fuentes							08 30 22		
Transporter 2 Printed/Typed Name					Signature		Month Day Year		
17. Discrepancy									
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> 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									
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		
Steven Isola							9 3 22		

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

N/A

NET1040

5. Generator's Name and Mailing Address

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

NATIONAL GRID
175 East Old Country Road
Hicksville, NY 11801

NATIONAL GRID
450 UNION ST
BROOKLYN, NY 11231

Generator's Phone:

347-213-8874

6. Transporter 1 Company Name

U.S. EPA ID Number

MILLER ENVIRONMENTAL GROUP, INC

NYD986900085

U.S. EPA ID Number

800-394-8600

8. Designated Facility Name and Site Address

U.S. EPA ID Number

NORLITE, LLC
628 S. SARATOGA ST.
COHOES, NY 12047

NYD080469935

518-235-0401

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1.

NON-RCRA, NON-DOT REGULATED LIQUIDS N.O.S. (DNAPL)

2

DM

200

P

DM

2.

3.

4.

13. Special Handling Instructions and Additional Information

Document # D31395 Job #: NY02220951 PO#

1) APPROVAL# 1000362916 X55-GAL DRUM; TRUCK# 6621

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

08 30 22

15. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

William Fuentes

Signature

WLF

Month Day Year

08 30 22

Transporter 2 Printed/Typed Name

Jose Cruz

Signature

Cruz

Month Day Year

9 22 22

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

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

Printed/Typed Name

Debar Iguel

Signature

[Signature]

Month Day Year

11 02 22



GZA GeoEnvironmental of New York