



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

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

Monthly Report No. 6

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 September 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	9/28/22	10.48	39.19	9.71	15	Trace	Trace
RW-02	9/28/22	10.30	46.82	11.53	65	Trace	Trace

- The area around each well was covered with polyethylene sheeting prior to performance of gauging and recovery activities.
- Approximately 80 gallons of DNAPL/water mixture was recovered from the two wells during the September 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.



October 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

10/10/2022
Date


Signature



October 2022
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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]



October 2022
450 Union Street
Brooklyn, New York
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ATTACHMENT A
DISPOSAL MANIFEST

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

GENERATOR	NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number D32188			
	5. Generator's Name and Mailing Address NATIONAL GRID 175 East Old Country Road Hicksville, NY 11801 347-213-8874			Generator's Site Address (if different than mailing address) NATIONAL GRID 450 UNION ST BROOKLYN, NY 11231					
	Generator's Phone:								
	6. Transporter 1 Company Name MILLER ENVIRONMENTAL GROUP, INC			NYD988908085		U.S. EPA ID Number 800-394-8800			
	7. Transporter 2 Company Name					U.S. EPA ID Number			
TRANSPORTER	8. Designated Facility Name and Site Address NORLITE, LLC 628 S. SARATOGA ST. COHOES, NY 12047			NYD080489935		U.S. EPA ID Number 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	750	DM 615 G		
DESIGNATED FACILITY	2. WASTE PCAD NON DOT regulated solids			1	DM	100	pl		
	3. WASTE								
	4. WASTE								
	13. Special Handling Instructions and Additional Information Document # D32188 Job #: NY02221000 PO# 142548 1) APPROVAL# 1000362816 X55-GAL DRUM, TRUCK# 6621 15286								
	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 Mark Fray			Signature Mark Fray		Month 9		Day 26	Year 77	
DESIGNATED FACILITY	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.:					
	16. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name Walter			Signature Walter		Month 9		Day 28	Year 77
	Transporter 2 Printed/Typed Name Daniel Medina			Signature Daniel		Month 10		Day 27	Year 77
	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 Annette Garcia			Signature Annette Garcia		Month 10		Day 27	Year 77	

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone N/A	4. Waste Tracking Number D32197	
5. Generator's Name and Mailing Address NATIONAL GRID 175 East Old Country Road Hicksville, NY 11801 347-213-8874			Generator's Site Address (if different than mailing address) NATIONAL GRID 450 UNION ST BROOKLYN, NY 11231			
Generator's Phone:						
6. Transporter 1 Company Name WILLER ENVIRONMENTAL GROUP, INC			NYD986908085		U.S. EPA ID Number 800-394-860	
7. Transporter 2 Company Name					U.S. EPA ID Number	
8. Designated Facility Name and Site Address WATERWORKS 77 STEWART AVENUE NEWBURGH, NY 12550			N/A		U.S. EPA ID Number 845-590-0408	
Facility's Phone:						
9. Waste Shipping Name and Description NON RCRA, NON DOT, SOLIDS, N.O.S (PPE)		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	
1.		1 DM		100	PM	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information Document# D32197 Job #: NY02221060 PO# 1) 20d00159 ____ X55-GAL DRUM; TRUCK#						
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 Michael Santos			Signature [Signature]		Month Day Year 9 30 22	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Michael Santos			Signature [Signature]		Month Day Year 9 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 Devlin Stewart			Signature [Signature]		Month Day Year 9 30 22	



GZA GeoEnvironmental of New York