



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

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

Monthly Report No. 2

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 May 20, 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	5/20/22	9.03	40.00	8.90	20	Trace	Trace
RW-02	5/20/22	10.50	39.75	10.66	68	50.41	10.66

- The area around each well was covered with polyethylene sheeting prior to performance of gauging and recovery activities.
- Approximately 88 gallons of DNAPL/water mixture was recovered from the two wells during the May 20, 2022 recovery event with a submersible pump.
- 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 Norlite LLC, facility in Cohoes New York. A copy of the disposal manifest attached.



June 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

June 6, 2022

Date

A handwritten signature in blue ink that reads 'James J. Clark'.

Signature



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

TABLE 1
SUMMARY OF NAPL GAUGING ACTIVITIES



May 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 0007006
5. Generator's Name and Mailing Address NATIONAL CRUISE 175 E OLD COUNTRY RD HICKSVILLE, NY 11801			Generator's Site Address (if different than mailing address) NATIONAL CRUISE 450 UNION ST BROOKLYN, NY 11231		
6. Transporter 1 Company Name			U.S. EPA ID Number NX0986948085		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Tradebe Treatment Recycling 50 Cross St Bridgeport CT 06610			U.S. EPA ID Number NJ2000034349		
Facility's Phone: 203-334-1666					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. NON RCRA, NON DOT REGULATED LIQUIDS (ONAL)		2	DRUM	45	L
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information Job # 02020597 Truck # 5505 Approval # 1000362816					
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/Offor's Printed/Typed Name AS AGENT FOR NATIONAL CRUISE				Signature <i>Justin Hancock</i>	Month Day Year 5 20 20
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 Justin Hancock				Signature <i>Justin Hancock</i>	Month Day Year 5 20 20
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 Deborah Yiqueth				Signature <i>Deborah Yiqueth</i>	Month Day Year 06 01 20

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number
0007005

5. Generator's Name and Mailing Address
NATIONAL GRID
175 EOL COUNTRY RD
HICKSVILLE, NY 11801

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

U.S. EPA ID Number
NY0986948085

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
WATER WORKS
77 STEWART AVENUE
Newburgh, NY 12550

U.S. EPA ID Number
NY2000236349

Facility's Phone:

9. Waste Shipping Name and Description
NON RCRA, NON DOT Regulated
Solid

10. Containers
No. Type
1 DM

11. Total
Quantity
35

12. Unit
Wt./Vol.
P

13. Special Handling Instructions and Additional Information
Job # 02200597
Truck # 8805
Approval # 20D00159

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/Offor's Printed/Typed Name
He Agent for National Grid Justin

Signature
Justin Hancock

Month Day Year
5 20 20

15. International Shipments
☐ Import to U.S.
☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name
Justin Hancock

Signature
Justin Hancock

Month Day Year
5 20 20

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space
☐ Quantity
☐ Type
☐ Residue
☐ Partial Rejection
☐ Full Rejection

Manifest Reference Number:

U.S. EPA ID 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
Steven Isolewa

Signature

Month Day Year



GZA GeoEnvironmental of New York