

450 UNION STREET NAPL GAUGING AND RECOVERY MONTHLY REPORT – APRIL 2022

450 Union Street – NAPL Gauging and Recovery New York State Department of Environmental Conservation (NYSDEC) BCP Site No. C224219 Monthly Report No. 1

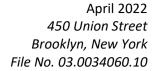
This report serves to document Dense Non-Aqueous Phase Liquid (DNAPL) gauging and recovery performed by GZA GeoEnvironmental, inc. (GZA), at the 450 Union Street property in Brooklyn, New York (Site). In accordance with the October 2020 Remedial Action Work Plan (RAWP) prepared by Langan on behalf of 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 April 19, 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.

		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	4/19/2 2	10.01	38.2	10.7	14	Trace	Trace
RW-02	4/19/2 2	10.08	39.0	19.4	31	42	16.4

- The area around each well was covered with polyethylene sheeting prior to performance of gauging and recovery activities.
- Approximately 45 gallons of DNAPL/water mixture was recovered from the two wells during the April 19,
 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. A copy of the disposal manifest attached.





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

April 27, 2022

Qualified Environmental Professional Date

Signature

Attachments: Table 1: Summary of NAPL Gauging and Recovery Activities

Attachment A: Disposal Manifest



TABLE 1 SUMMARY OF NAPL GAUGING ACTIVITIES

TABLE 1
Summary of NAPL Gauging and Recovery Activities
450 Union Street
Brooklyn, NY

Location	Prior to DNAPL Recovery								NAPL Recov			Cumulative Volume of DNAPL Removed	Comments	Location		DNAPL Reco			ry after Remov		Volume of DNAPL Removed	of DNAPL Removed	Total Cumulative Volume of DNAPL Removed	Comments
	Date	Depth to DNAPL (ft.)	DNAPL Thickness (ft)	Date/Time	Depth to DNAPL (ft.)	DNAPL Thickness (ft)	(gallons)	(gallons)	Comments		Date	Depth to DNAPL (ft.)	DNAPL Thickness (ft)	Date/Time	Depth to DNAPL (ft.)	DNAPL Thickness (ft)	(gallons)	(gallons)		Comments				
RW-01 Total well depth = 48.90 ft.	4/19/2022	38.2	10.7	4/19/22 8:30	Trace	Trace	14.0	14.0	Flooding oberved prior to DNAPL recovery	RW-02 Total well depth = 58.35 ft.	4/19/2022	39.00	19.35	4/19/22 10:30	42.0	16.35	31.0	31.0	45.0	Well cap damaged - needs to be replaced				
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ATTACHMENT A DISPOSAL MANIFEST

1	NON-HAZARDOUS USTEEMANIFEST 1. Generator ID Number	2.	Page 1 of 3. Emer				racking Numbe	0006951
	Generator's Name and Majling Address 175 E. 016 Country (Classification) Generator's Phone:		Generat	or's Site Address Value Brook	Union	AGG Muling addr))	
	6. Transporter 1 Company Name 7. Transporter 2 Company Name	Group				U.S. LI A ID	09869	106005
Section 1	8. Designated Facility Name and Site Address					U.S. EPA ID		
	Abrilite LLC GDK South Saratoga St Facility's Phone: CXTOMS, NY 12047	518-234	1-00)			NY	0000	169935
	9. Waste Shipping Name and Description	3)		10. Conta	iners Type	11. Total Quantity	12. Unit Wt./Vol.	
GENERATOR -	1. Non RCRA, NON Dol regu	ulded liquids (C	ONAPL)		DM	45	6	
- GENE	2. No. 1/11, No. 1/51		A Summer	managang sarah managan menanggan	DIA	35	P	
	3.							
	4.			0(0)0	Pas.	,vij		gi. Ti
	Approval 4 10036. 14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby de marked and labeled/placarded, and are in all respects in prop. Generator's/Offeror's Printed/Typed Name	per condition for transport according	signment are fully a ng to applicable inte	nd accurately des	scribed above	by the proper s	hipping name, a	und are classified, packaged, Month Day Year
E	15. International Shipments Import to U.S. Transporter Signature (for exports only):	Mart Jose 1.	xport from U.S.	Port of el				
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name	hael Sant.	Signature	Mi	la	15	7	Month Day Year
TRANS	Transporter 2 Printed/Typed Name 17. Discrepancy		Signature			*	7	Month Day Year
	17a. Discrepancy Indication Space Quantity	Туре		Residue	Number:	Partial R	+	Full Rejection
FACILITY	17b. Alternate Facility (or Generator) Facility's Phone:		4	, , , , , , , , , , , , , , , , , , ,	1	U.S. EPA II	Number	
DESIGNATED FACILITY	17c. Signature of Alternate Facility (or Generator)							Month Day Year
- DESI							i	
V	18. Designated Facility Owner or Operator: Certification of receip Printed/Typed Name	ot of materials covered by the ma	nifest except as note Signature	ed in Item 17a			X+1636	Month Day Year
160	-BLC-O 6 10498 (Rev. 9/09)	Service of the Control Process of the Control of th	STANDARD OF STANDARD			DAY SON TO SERVICE STATE OF THE PARTY OF THE	No. of the last of	TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 3. Em	ergency Respons	se Phone	4. Waste	Fracking Nun	0006954
E. Congretor's Name and Mai	le M 11967	Gener	Nation Wation USO UV Brook	ss (if different to the last of the last o	han mailing add)	
7. Transporter 2 Company Na	nv. Momental Gran	(p			U.S. EPA ID		08085
8. Designated Facility Name a Wastes Way 17 She Will Facilities Pho New Du	nd Site Address 185 197 197 197 197 197 197 197 197 197 197				U.S. EPA ID	1	0236349
9. Waste Shipping Nan			10. Con	tainers	11. Total Quantity	12. Unit Wt./Vol.	
1. Non Ro	RA, NON Dol regu	laled solids	No.	DM	35	P	
2,							
3.							
4.							
marked and labeled/placar Generator's/Offeror's Printed/	R'S CERTIFICATION: I hereby declare that rided, and are in all respects in proper conditions of the conditions of the condition of the conditions of the con	ion for transport according to applicable int Signature	and accurately de ernational and na	escribed above	by the proper sental regulation	hipping name, s.	, and are classified, packaged, Month Day Year
Transporter Signature (for exp	Import to U.S. orts only):	Export from U.S.		entry/exit: aving U.S.:			4 71 00
16. Transporter Acknowledgm Transporter 1 Printed/Typed N Transporter 2 Printed/Typed N	lame e/ Chaspa	Signature Signature	J sy	1/2	2		Month Day Year Month Day Year
17. Discrepancy 17a. Discrepancy Indication S	2000						
Tra. Discrepancy indication o	Quantity		Residue Anifest Reference	Number:	Partial Re	ejection	Full Rejection
17b. Alternate Facility (or Gen	erator)				U.S. EPA ID	Number	
Facility's Phone: 17c. Signature of Alternate Fa	cility (or Generator)						Month Day Year
						ì	
18. Designated Facility Owner Printed/Typed Name	or Operator: Certification of receipt of mater	rials covered by the manifest except as not Signature	ed in Item 17a	M			Month Day Year
-BLC-O 6 10498 (Rev	11 11V V				DI	ESIGNAT	ED FACILITY'S COPY



GZA GeoEnvironmental of New York