



Impact Environmental Engineering and Geology, PLLC

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August 15, 2022

Mr. Christopher Allan
Environmental Engineer
New York State Department of Environmental Conservation
47-40 21st Street, Long Island City, New York 11101

Re: Monthly Status Report #6 – July 2022 Reporting Period
13-12 Beach Channel Drive
13-12, 13-16, and 13-24 Beach Channel Drive, Far Rockaway, NY
NYS Brownfield Cleanup Program Site ID No. C241254

Dear Mr. Allan:

Impact Environmental Engineering and Geology, PLLC (Impact) has prepared this Monthly Site Status Report on behalf of BCD Owner LLC for activities completed during the month of July 2022 as part of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) project located at 13-12, 13-16, and 13-24 Beach Channel Drive, Far Rockaway, New York (the "Site"). This Monthly Report summarizes Site progress within the BCP pursuant to the reporting requirements set forth in Section XI of the Brownfield Cleanup Agreement (BCA), which was signed on July 14, 2021, by the NYSDEC for the applicant BCD Owner LLC to participate in the NYS BCP as a volunteer. BCA Index No. C241254-06-21 and NYSDEC Site No. C241254 was assigned to the Site.

Remedial Actions Completed in July 2022:

- On July 13 and 14, 2022, Impact mobilized to the Site to perform a round of post-treatment groundwater sampling. Impact gauged and sampled each of the following wells: MW-1, MW-2, MW-3, MW-4s, MW-4i, MW-5, MW-7s, MW-7i, MW-8s, MW-8i, MW-9s, MW-9i, MW-10, and MW-11. Monitoring well MW-6 was determined to have been destroyed during demolition activities. Six (6) of the groundwater samples collected from Lots 6 and 9 were sent for laboratory analysis for TCL VOCs, while eight (8) of the groundwater samples collected from Lot 5 were analyzed for TCL VOCs along with total/dissolved iron, sulfate, sulfide, nitrate, Total Organic Carbon, methane, ethane, and ethene to determine the efficacy of the in-situ application of the PlumeStop® Liquid Activated Carbon™ (PlumeStop) and Sulfidated-MicroZVI® (SMZVI) PRB wall. Tabulated data from this sampling event can be found attached.
- On July 14, 2022, Impact subcontracted PG Environmental to decommission six (6) existing groundwater monitoring wells and one (1) SVE pilot test well in accordance with NYSDEC CP-43 Well Decommissioning Policy. Wells included MW-2, MW-3, MW-4s, MW-4i, MW-5, MW-11, and SVE-1. The seven (7) wells were decommissioned using a GeoProbe 7822DTY Drill rig equipped with a Moyno 2L4 Pump. For each well location the PVC well material was removed from the borehole, and drill rods were advanced to the terminal depth of the well. Once the drill rods were in place, grout was pumped in a bottom-up fashion to

one foot below surface grade. The remaining foot of the borehole was finished with concrete. Enclosed find the well decommissioning logs are attached.

- On July 29, 2022, Mr. Henry Wilkie of the NYSDEC sent the final approval letter for the contained in determination. The determination was that soils generated during excavation do not have to be managed as hazardous waste and can be disposed of as non-hazardous material (see attached).
- On July 26, 2022, Impact utilized GPS located sample locations to mark out the two (2) PCE contaminated hotspots located on Lot 5.

Remedial Actions Anticipated for August 2022:

- No activities are likely to occur in August. It is possible that the volunteer, BCP Owner LLC, will commence excavation of the PCE hotspots during the month of September. The remainder of the construction related excavations will likely take place starting in November 2022.

Results of Sampling, Testing and Other Relevant Data:

- See attached Groundwater Analytical Summary Table.

Delays or Issues Encountered or Anticipated That May Affect the Schedule:

- None.

Miscellaneous Information:

- None.

If you have questions or comments regarding this matter, please feel free to contact me at (631) 269-8800.

Sincerely,

IMPACT ENVIRONMENTAL CLOSURES, INC.



Christopher Connolly
Project Manager

CC: R. Gropper, BCD Owner LLC
J. Weisstuch, BCD Owner LLC
J. Ramos, BCD Owner LLC
D. Carstarphen, BRC
G. Mendez-Chicas, Impact Environmental Closures, Inc.
K. Kleaka, Impact Environmental Closures, Inc.
J. O'Connell, NYSDEC
M. Yau, NYSDEC
E. O'Neil, NYSDOH

Attachments: Groundwater Analytical Summary Table and Well Abandonment Logs

Table 1
July 2022 Groundwater Sample Analysis Summary
 13-12, 13-16, and 13-24 Beach Channel Drive, Far Rockaway, New York
 BCP #C241254

Sample ID YORK ID Sampling Date Client Matrix	NYSDEC TOGS Standards and Guidance Values - GA	MW-1 2260719-01 7/14/2022 1:30:00 PM Water		MW-2 2260719-02 7/13/2022 8:50:00 AM Water		MW-3 2260719-03 7/13/2022 9:35:00 AM Water		MW-4 2260719-04 7/13/2022 11:25:00 AM Water		MW-4S 2260719-05 7/13/2022 12:05:00 PM Water		MW-5 2260719-06 7/13/2022 12:55:00 PM Water		MW-7 2260719-07 7/14/2022 1:25:00 PM Water		MW-7S 2260719-08 7/14/2022 12:45:00 PM Water		MW-8 2260719-09 7/14/2022 11:05:00 AM Water		MW-8S 2260719-10 7/14/2022 11:50:00 AM Water		MW-9 2260719-11 7/14/2022 2:45:00 PM Water		MW-9S 2260719-12 7/14/2022 2:10:00 PM Water			
		Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q	Result ug/L	Q
VOA, 8260 LOW MASTER		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		1		1		1		1		1		1		1		1		1		1		1		1		1	
1,1,1,2-Tetrachloroethane	630-20-6	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1-Trichloroethane	71-55-6	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1,2-Tetrachloroethane	79-34-5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2-Trichloroethane	79-00-5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloroethane	75-34-3	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloroethylene	75-35-4	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,3-Trichlorobenzene	87-61-6	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,3-Trichloropropane	96-18-4	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,4-Trichlorobenzene	120-82-1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,4-Trimethylbenzene	95-63-6	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dibromoethane	106-93-4	0.0006	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichlorobenzene	95-50-1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichloroethane	107-06-2	0.6	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichloropropane	78-87-5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3,5-Trimethylbenzene	108-67-8	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3-Dichlorobenzene	541-73-1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3-Dichloropropane	142-28-9	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,4-Dichlorobenzene	106-46-7	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,4-Dioxane	123-91-1	~	U	40	U	40	U	40	U	40	U	40	U	40	U	40	U	40	U	40	U	40	U	40	U	40	U
2-Butanone	78-93-3	50	U	5.220	U	0.200	U	0.200	U	0.230	U	2.660	U	3.190	U	4.220	U	0.530	U	0.870	U	0.200	U	0.200	U	0.200	U
2-Hexanone	591-78-6	50	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.240	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
4-Methyl-2-pentanone	108-10-1	~	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Acetone	67-64-1	50	U	3.080	U	1.560	U	2.850	U	13.200	U	4.350	U	8.410	U	14.300	U	10.100	U	2.080	U	1.160	U	1.460	U	1	U
Acrolein	107-02-8	~	U	0.200	U	0.200	U	0.200	U	0.210	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Acrylonitrile	107-13-1	~	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Benzene	71-43-2	1	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromochloromethane	74-97-5	5	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromodichloromethane	75-27-4	50	U	0.200	U	0.200	U	3.420	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.380	U	0.200	U
Bromoform	75-25-2	50	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromomethane	74-83-9	5	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Carbon disulfide	75-15-0	~	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.810	U	1.610	U	0.200	U	0.200	U	0.200	U	0.200	U
Carbon tetrachloride	56-23-5	5	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chlorobenzene	108-90-7	5	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chloroethane	75-00-3	5	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chloroform	67-66-3	7	U	3.230	U	0.310	U	60.700	U	1.950	U	0.780	U	0.200	U	1.810	U	3.150	U	5.930	U	0.250	U	8.610	U	0.250	U
Chloromethane	74-87-3	5	U	0.200	U	0.200	U	0.200	U	0.230	U	0.200	U	0.200	U	0.200	U	0.300	U	0.200	U	0.200	U	0.200	U	0.200	U
cis-1,2-Dichloroethylene	156-59-2	5	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.240	U	1.950	U	0.200	U	0.200	U	0.200	U	0.200	U
cis-1,3-Dichloropropylene	10061-01-5	0.4	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Cyclohexane	110-82-7	~	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Dibromochloromethane	124-48-1	50	U	0.200	U	0.200	U																				

Table 1
July 2022 Groundwater Sample Analysis Summary
 13-12, 13-16, and 13-24 Beach Channel Drive, Far Rockaway, New York
 BCP #C241254

Sample ID York ID Sampling Date Client Matrix	Compound CAS Number	NYSDEC TOGS Standards and Guidance Values - GA	MW-10 2260719-13 7/14/2022 10:00:00 AM Water		MW-11 2260719-17 7/13/2022 10:25:00 AM Water		DUP 2260719-14 7/13/2022 9:45:00 AM Water		Trip 2260719-15 7/13/2022 12:00:00 AM Water		Field Blank (FB) 2260719-16 7/13/2022 9:45:00 AM Water	
			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
			ug/L		ug/L		ug/L		ug/L		ug/L	
VOA_8260 LOW MASTER			5		5		5		5		5	
Dilution Factor			1		1		1		1		1	
1,1,1,2-Tetrachloroethane	630-20-6	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1-Trichloroethane	71-55-6	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1,2-Tetrachloroethane	79-34-5	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2-Trichloroethane	79-00-5	1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloroethane	75-34-3	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,1-Dichloroethylene	75-35-4	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,3-Trichlorobenzene	87-61-6	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,3-Trichloropropane	96-18-4	0.04	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,4-Trichlorobenzene	120-82-1	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2,4-Trimethylbenzene	95-63-6	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dibromoethane	106-93-4	0.0006	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichlorobenzene	95-50-1	3	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichloroethane	107-06-2	0.6	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,2-Dichloropropane	78-87-5	1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3,5-Trimethylbenzene	108-67-8	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3-Dichlorobenzene	541-73-1	3	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,3-Dichloropropane	142-28-9	0.200	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,4-Dichlorobenzene	106-46-7	3	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
1,4-Dioxane	123-91-1	~	40	U	40	U	40	U	40	U	40	U
2-Butanone	78-93-3	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
2-Hexanone	591-78-6	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
4-Methyl-2-pentanone	108-10-1	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Acetone	67-64-1	50	1.190	J	1.950	J	2.220	J	1	U	1.520	J
Acrolein	107-02-8	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Acrylonitrile	107-13-1	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Benzene	71-43-2	1	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromochloromethane	74-97-5	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromodichloromethane	75-27-4	50	0.270	J	2.850	J	3.430	J	0.200	U	0.200	U
Bromoform	75-25-2	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Bromomethane	74-83-9	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Carbon disulfide	75-15-0	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Carbon tetrachloride	56-23-5	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chlorobenzene	108-90-7	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chloroethane	75-00-3	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Chloroform	67-66-3	7	4.350		67.600		61.400		0.200	U	0.200	U
Chloromethane	74-87-3	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
cis-1,2-Dichloroethylene	156-59-2	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
cis-1,3-Dichloropropylene	10061-01-5	0.4	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Cyclohexane	110-82-7	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Dibromochloromethane	124-48-1	50	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Dibromomethane	74-95-3	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Dichlorodifluoromethane	75-71-8	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Ethyl Benzene	100-41-4	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Hexachlorobutadiene	87-68-3	0.5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Isopropylbenzene	98-82-8	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Methyl acetate	79-20-9	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Methylcyclohexane	108-87-2	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Methylene chloride	75-09-2	5	1	U	1	U	1	U	1.030	J	1.140	J
Naphthalene	91-20-3	10	1	U	1	U	1	U	1	U	1	U
n-Butylbenzene	104-51-8	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
n-Propylbenzene	103-65-1	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
o-Xylene	95-47-6	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
p- & m- Xylenes	179601-23-1	~	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
p-Diethylbenzene	105-05-5	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
p-Ethyltoluene	622-96-8	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
p-Isopropyltoluene	99-87-6	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
sec-Butylbenzene	135-98-8	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Styrene	100-42-5	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
tert-Butyl alcohol (TBA)	75-65-0	~	0.500	U	0.920	J	0.500	U	0.500	U	0.500	U
tert-Butylbenzene	98-06-6	~	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Tetrachloroethylene	127-18-4	5	1.450		6.890		5.720		0.200	U	0.200	U
Toluene	108-88-3	5	0.200	U	0.200	U	0.200	U	0.200	U	0.210	J
trans-1,2-Dichloroethylene	156-60-5	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
trans-1,3-Dichloropropylene	10061-02-6	0.4	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Trichloroethylene	79-01-6	5	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Trichlorofluoromethane	75-69-4	5	0.200	U	0.320	J	3.030	J	0.200	U	0.200	U
Vinyl Chloride	75-01-4	2	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U
Xylenes, Total	1330-20-7	5	0.600	U	0.600	U	0.600	U	0.600	U	0.600	U
Iron by EPA 6010			ug/L									
Dilution Factor			1									
Iron	7439-89-6	~	2,490		NT		NT		NT		NT	
Iron, Dissolved by EPA 6010			ug/L									
Dilution Factor			1									
Iron	7439-89-6	~	278	U	NT		NT		NT		NT	
Sulfide			ug/L									
Dilution Factor			1									
Sulfide	18496-25-8	~	1,200		NT		NT		NT		NT	
Nitrate as N			ug/L									
Dilution Factor			1									
Nitrate as N	14797-55-8	~	3,730		NT		NT		NT		NT	
Sulfate as SO4			ug/L									
Dilution Factor			5									
Sulfate	14808-79-8	~	54,200	D	NT		NT		NT		NT	

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

- D=result is from an analysis that required a dilution
- J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - c
- U=analyte not detected at or above the level indicated
- B=analyte found in the analysis batch blank
- E=result is estimated and cannot be accurately reported due to levels encountered or interferences
- P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for d
- NT=this indicates the analyte was not a target for this sample
- ~=this indicates that no regulatory limit has been established for this analyte

DISCLAIMER:

York Analytical Laboratories, Inc. is providing this information as a convenience to you. York makes no warranties that these data are accurate, complete or represent the latest regulatory authority limits or not responsible for any errors or omissions in these specific regulations. Your use of these data consti understanding of these limitations and you agree to hold York harmless from any and all action that r said information. As regulations change often, we encourage the user to review the regulatory limits a confirm these data.

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: 15209	Well I.D.: SUE-1
Site Location: 13-16 Beach Channel Drive	Driller: Oscar Paretta
Drilling Co.: PG	Inspector: T. Stone
	Date: 7/14/22

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*								
<p><u>OVERDRILLING</u></p> <p>Interval Drilled <table border="1"><tr><td>6.5'</td></tr></table></p> <p>Drilling Method(s) <table border="1"><tr><td>Direct Push</td></tr></table></p> <p>Borehole Dia. (in.) <table border="1"><tr><td>3"</td></tr></table></p> <p>Temporary Casing Installed? (y/n) <table border="1"><tr><td>N</td></tr></table></p> <p>Depth temporary casing installed <table border="1"><tr><td>NONE</td></tr></table></p> <p>Casing type/dia. (in.) <table border="1"><tr><td>NONE</td></tr></table></p> <p>Method of installing <table border="1"><tr><td>NONE</td></tr></table></p>	6.5'	Direct Push	3"	N	NONE	NONE	NONE	<p>Depth (feet)</p>	
6.5'									
Direct Push									
3"									
N									
NONE									
NONE									
NONE									
<p><u>CASING PULLING</u></p> <p>Method employed <table border="1"><tr><td>Geoprobe</td></tr></table></p> <p>Casing retrieved (feet) <table border="1"><tr><td>6'</td></tr></table></p> <p>Casing type/dia. (in) <table border="1"><tr><td>3" PVC</td></tr></table></p>	Geoprobe	6'	3" PVC						
Geoprobe									
6'									
3" PVC									
<p><u>CASING PERFORATING</u></p> <p>Equipment used <table border="1"><tr><td>—</td></tr></table></p> <p>Number of perforations/foot <table border="1"><tr><td>—</td></tr></table></p> <p>Size of perforations <table border="1"><tr><td>—</td></tr></table></p> <p>Interval perforated <table border="1"><tr><td>—</td></tr></table></p>	—	—	—	—					
—									
—									
—									
—									
<p><u>GROUTING</u></p> <p>Interval grouted (FBLs) <table border="1"><tr><td>2'</td></tr></table></p> <p># of batches prepared <table border="1"><tr><td>1</td></tr></table></p> <p>For each batch record:</p> <p>Quantity of water used (gal.) <table border="1"><tr><td>20</td></tr></table></p> <p>Quantity of cement used (lbs.) <table border="1"><tr><td>10</td></tr></table></p> <p>Cement type <table border="1"><tr><td>Portland</td></tr></table></p> <p>Quantity of bentonite used (lbs.) <table border="1"><tr><td>15</td></tr></table></p> <p>Quantity of calcium chloride used (lbs.) <table border="1"><tr><td></td></tr></table></p> <p>Volume of grout prepared (gal.) <table border="1"><tr><td>2</td></tr></table></p> <p>Volume of grout used (gal.) <table border="1"><tr><td>2</td></tr></table></p>	2'	1	20	10	Portland	15		2	2
2'									
1									
20									
10									
Portland									
15									
2									
2									

COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

PG
Drilling Contractor

Department Representative

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <u>15209</u>	Well I.D.: <u>MW-2</u>
Site Location: <u>13-16 Beach Channel Drive</u>	Driller: <u>Oscar Paretta</u>
Drilling Co.: <u>PG</u>	Inspector: <u>Chris Ewertz</u>
	Date: <u>7/14/22</u>

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*
<p><u>OVERDRILLING</u></p> <p>Interval Drilled <u>21'</u></p> <p>Drilling Method(s) <u>Direct push</u></p> <p>Borehole Dia. (in.) <u>2"</u></p> <p>Temporary Casing Installed? (y/n) <u>NONE</u></p> <p>Depth temporary casing installed <u>NONE</u></p> <p>Casing type/dia. (in.) <u>NONE</u></p> <p>Method of installing <u>Direct push</u></p>	<p>Depth (feet)</p>
<p><u>CASING PULLING</u></p> <p>Method employed <u>N/A</u></p> <p>Casing retrieved (feet) <u>NONE</u></p> <p>Casing type/dia. (in) <u>PVC 2"</u></p>	
<p><u>CASING PERFORATING</u></p> <p>Equipment used <u>—</u></p> <p>Number of perforations/foot <u>—</u></p> <p>Size of perforations <u>—</u></p> <p>Interval perforated <u>—</u></p>	
<p><u>GROUTING</u></p> <p>Interval grouted (FBLs) <u>2'</u></p> <p># of batches prepared <u>1</u></p> <p>For each batch record:</p> <p>Quantity of water used (gal.) <u>1-2g</u></p> <p>Quantity of cement used (lbs.) <u>10</u></p> <p>Cement type <u>Portland</u></p> <p>Quantity of bentonite used (lbs.) <u>15lbs</u></p> <p>Quantity of calcium chloride used (lbs.) <u>N/A</u></p> <p>Volume of grout prepared (gal.) <u>2gal</u></p> <p>Volume of grout used (gal.) <u>2gal</u></p>	

COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

PG
Drilling Contractor

Chris Ewertz
Department Representative

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: #15209	Well I.D.: MW-3
Site Location: 13-16 Beach Channel Drive	Driller: OSCAR Parella
Drilling Co.: PG	Inspector: Chris Everaz
	Date: 7/14/22

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	26'
Drilling Method(s)	Direct push
Borehole Dia. (in.)	2"
Temporary Casing Installed? (y/n)	NONE
Depth temporary casing installed	NONE
Casing type/dia. (in.)	PVC 2"
Method of installing	NONE

CASING PULLING

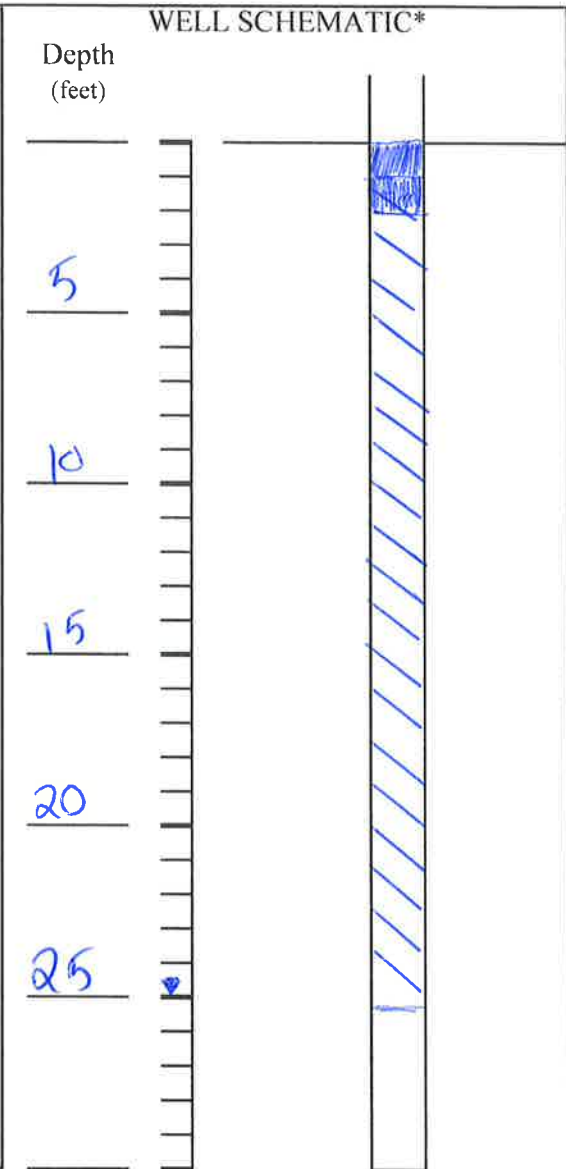
Method employed	N/A
Casing retrieved (feet)	NONE
Casing type/dia. (in.)	

CASING PERFORATING

Equipment used	---
Number of perforations/foot	---
Size of perforations	---
Interval perforated	---

GROUTING

Interval grouted (FBLs)	2'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	45g
Quantity of cement used (lbs.)	10 lbs;
Cement type	Portland
Quantity of bentonite used (lbs.)	70lbs
Quantity of calcium chloride used (lbs.)	---
Volume of grout prepared (gal.)	2g
Volume of grout used (gal.)	2g



COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

PG
Drilling Contractor

Chris Everaz
Department Representative

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: 15209	Well I.D.: MW-4E
Site Location: 13-16 Beach Channel Drive	Driller: Oscar Paretta
Drilling Co.: PC	Inspector: T. Stone
	Date: 7/14/22

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	52'
Drilling Method(s)	Direct Push
Borehole Dia. (in.)	2"
Temporary Casing Installed? (y/n)	N
Depth temporary casing installed	None
Casing type/dia. (in.)	None
Method of installing	None

CASING PULLING

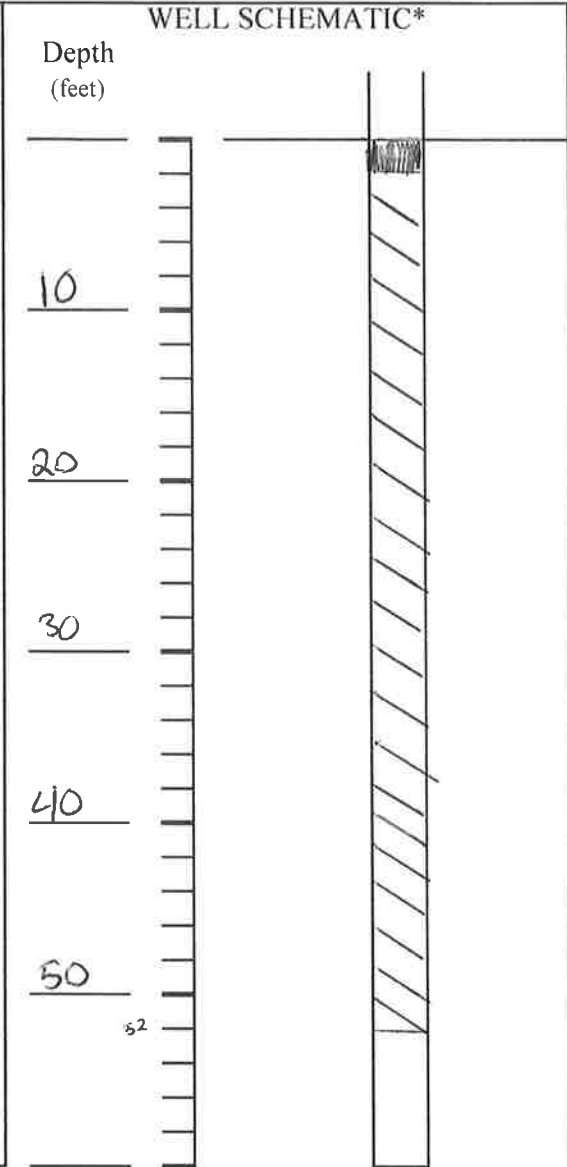
Method employed	NONE
Casing retrieved (feet)	NONE
Casing type/dia. (in)	NONE

CASING PERFORATING

Equipment used	—
Number of perforations/foot	—
Size of perforations	—
Interval perforated	—

GROUTING

Interval grouted (FBLS)	2'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	100
Quantity of cement used (lbs.)	10
Cement type	Portland
Quantity of bentonite used (lbs.)	120
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	2
Volume of grout used (gal.)	2



COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

PC
Drilling Contractor

[Signature]
Department Representative

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: 15209	Well I.D.: MW-45
Site Location: 13-16 Beach Channel Drive	Driller: Oscar Paretta
Drilling Co.: PG	Inspector: T. Stone
	Date: 7/14/22

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*								
<p><u>OVERDRILLING</u></p> <p>Interval Drilled <table border="1" style="display: inline-table;"><tr><td>4'</td></tr></table></p> <p>Drilling Method(s) <table border="1" style="display: inline-table;"><tr><td>Direct Push</td></tr></table></p> <p>Borehole Dia. (in.) <table border="1" style="display: inline-table;"><tr><td>2"</td></tr></table></p> <p>Temporary Casing Installed? (y/n) <table border="1" style="display: inline-table;"><tr><td>N</td></tr></table></p> <p>Depth temporary casing installed <table border="1" style="display: inline-table;"><tr><td>None</td></tr></table></p> <p>Casing type/dia. (in.) <table border="1" style="display: inline-table;"><tr><td>None</td></tr></table></p> <p>Method of installing <table border="1" style="display: inline-table;"><tr><td>None</td></tr></table></p>	4'	Direct Push	2"	N	None	None	None	<p>Depth (feet)</p>	
4'									
Direct Push									
2"									
N									
None									
None									
None									
<p><u>CASING PULLING</u></p> <p>Method employed <table border="1" style="display: inline-table;"><tr><td>Geo Probe</td></tr></table></p> <p>Casing retrieved (feet) <table border="1" style="display: inline-table;"><tr><td>20'</td></tr></table></p> <p>Casing type/dia. (in) <table border="1" style="display: inline-table;"><tr><td>2" PVC</td></tr></table></p>	Geo Probe	20'	2" PVC						
Geo Probe									
20'									
2" PVC									
<p><u>CASING PERFORATING</u></p> <p>Equipment used <table border="1" style="display: inline-table;"><tr><td>—</td></tr></table></p> <p>Number of perforations/foot <table border="1" style="display: inline-table;"><tr><td>—</td></tr></table></p> <p>Size of perforations <table border="1" style="display: inline-table;"><tr><td>—</td></tr></table></p> <p>Interval perforated <table border="1" style="display: inline-table;"><tr><td>—</td></tr></table></p>	—	—	—	—					
—									
—									
—									
—									
<p><u>GROUTING</u></p> <p>Interval grouted (FBLs) <table border="1" style="display: inline-table;"><tr><td>2'</td></tr></table></p> <p># of batches prepared <table border="1" style="display: inline-table;"><tr><td>1</td></tr></table></p> <p>For each batch record:</p> <p>Quantity of water used (gal.) <table border="1" style="display: inline-table;"><tr><td>75</td></tr></table></p> <p>Quantity of cement used (lbs.) <table border="1" style="display: inline-table;"><tr><td>10</td></tr></table></p> <p>Cement type <table border="1" style="display: inline-table;"><tr><td>Portland</td></tr></table></p> <p>Quantity of bentonite used (lbs.) <table border="1" style="display: inline-table;"><tr><td>90</td></tr></table></p> <p>Quantity of calcium chloride used (lbs.) <table border="1" style="display: inline-table;"><tr><td>—</td></tr></table></p> <p>Volume of grout prepared (gal.) <table border="1" style="display: inline-table;"><tr><td>2</td></tr></table></p> <p>Volume of grout used (gal.) <table border="1" style="display: inline-table;"><tr><td>2</td></tr></table></p>	2'	1	75	10	Portland	90	—	2	2
2'									
1									
75									
10									
Portland									
90									
—									
2									
2									

COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

PG
Drilling Contractor

Department Representative

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <u>15209</u>	Well I.D.: <u>MW-5</u>
Site Location: <u>13-16 Beach Channel Drive</u>	Driller: <u>Oscar Parelta</u>
Drilling Co.: <u>PG</u>	Inspector: <u>T. Stone</u>
Date: <u>7/14/22</u>	

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*	
<u>OVERDRILLING</u>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Depth (feet)</div> </div>	
Interval Drilled		26'
Drilling Method(s)		Direct Push
Borehole Dia. (in.)		2"
Temporary Casing Installed? (y/n)		—
Depth temporary casing installed		—
Casing type/dia. (in.)		—
Method of installing		—
<u>CASING PULLING</u>		
Method employed		NONE
Casing retrieved (feet)		NONE
Casing type/dia. (in)		NONE
<u>CASING PERFORATING</u>		
Equipment used		—
Number of perforations/foot		—
Size of perforations		—
Interval perforated		—
<u>GROUTING</u>		
Interval grouted (FBLs)	2	
# of batches prepared	1	
For each batch record:		
Quantity of water used (gal.)	50	
Quantity of cement used (lbs.)	10 lbs	
Cement type	Portland	
Quantity of bentonite used (lbs.)	70	
Quantity of calcium chloride used (lbs.)		
Volume of grout prepared (gal.)	2	
Volume of grout used (gal.)	2	

COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

PG
Drilling Contractor

Department Representative

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: <u>15209</u>	Well I.D.: <u>MW-11</u>
Site Location: <u>13-16 Beach Channel Drive</u>	Driller: <u>OSCAR Paretta</u>
Drilling Co.: <u>PG</u>	Inspector: <u>Chris Evertz</u>
	Date: <u>7/14/22</u>

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING

Interval Drilled	<u>26'</u>
Drilling Method(s)	<u>Direct push</u>
Borehole Dia. (in.)	<u>2"</u>
Temporary Casing Installed? (y/n)	<u>NONE</u>
Depth temporary casing installed	<u>NONE</u>
Casing type/dia. (in.)	<u>PVC 2"</u>
Method of installing	<u>NONE</u>

CASING PULLING

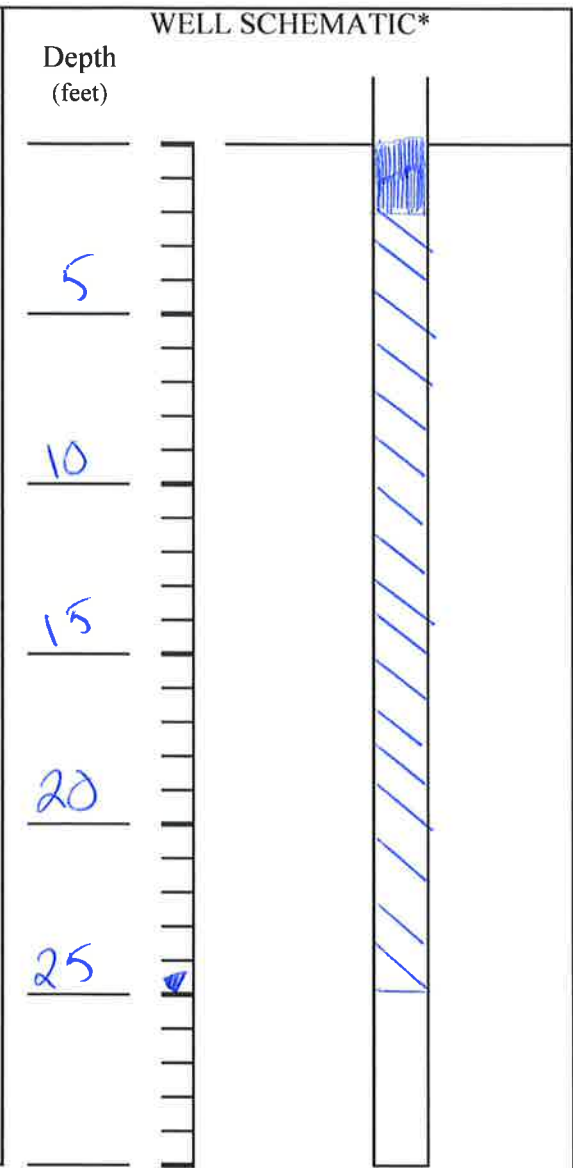
Method employed	<u>Grapple</u>
Casing retrieved (feet)	<u>25'</u>
Casing type/dia. (in)	<u>2" PVC</u>

CASING PERFORATING

Equipment used	<u>---</u>
Number of perforations/foot	<u>---</u>
Size of perforations	<u>---</u>
Interval perforated	<u>---</u>

GROUTING

Interval grouted (FBLS)	<u>2'</u>
# of batches prepared	<u>1</u>
For each batch record:	
Quantity of water used (gal.)	<u>50</u>
Quantity of cement used (lbs.)	<u>10 lbs</u>
Cement type	<u>Portland</u>
Quantity of bentonite used (lbs.)	<u>70 lbs</u>
Quantity of calcium chloride used (lbs.)	<u>---</u>
Volume of grout prepared (gal.)	<u>2g</u>
Volume of grout used (gal.)	<u>2g</u>



COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

PG
Drilling Contractor

Chris Evertz
Department Representative

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

July 29, 2022

Sent via e-mail, no hard copy to follow

Mr. Greg Mendez-Chicas
Senior Project Manager 1
IMPACT ENVIRONMENTAL
170 Keyland Court
Bohemia, NY 11716

Re: Request for Contained-In Determination
13-12, 13-16, and 13-24 Beach Channel Drive
Far Rockaway, New York 11691 (Block 15528; Lots 5, 6, and 9)
NYSDEC BCP Site No: C241254

Dear Mr. Mendez-Chicas:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your letter dated July 13, 2022, requesting a "contained-in" determination for soils generated during excavation from the referenced site (Lot 5).

Evaluation

Concentrations ((Lab Sample ID: L2046791-01, 2046791-02, L2046791-07, L2046791-08, L2046791-09, L2046791-10, L2046791-11, L2046791-12, L2049037-01, L2049037-02, L2049037-06, L2049037-07, L2049037-08, L2049037-11, L2151737-01, L2151737-02, L2151737-03, L2151737-04, L2151737-05, L2151737-06, L2151737-07, L2151737-08, L2151737-09, L2151737-10, L2151737-11, L2151737-12, L2150543-01, L2150543-02, L2150543-03, L2150543-04, L2150543-05, L2150543-06, L2150543-07, L2150543-08, L2150543-09, L2150543-10, L2150543-11, L2150543-12, L2150543-13, L2150543-14, L2150543-15, L2150543-25, L2150543-26, L2150543-27, L2150543-22, L2150543-23, L2150543-24, L2150543-28, L2150543-29, L2150543-30, L2150543-19, L2150543-20, L2150543-21, L2150543-16, L2150543-17, L2150543-18, L2150543-31, L2150542-01, L2150542-02, L2150542-03, L2150542-04, L2150542-05, L2150542-06, 22F1619-01 and 22F1619-02) detected for volatile organic compounds (VOCs), semivolatle organic compounds (SVOCs), PCBs, pesticide and metals were all significantly less than their current "contained in" soil action levels and Land Disposal Restriction concentrations. In most soil samples individual VOCs were not detected

above the detection limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

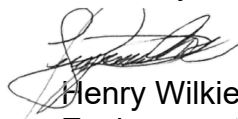
Concentrations for tetrachloroethene, trichloroethene, toluene and acetone were below the soil "contained in" action level and the Land Disposal Restriction concentration. Therefore, soils generated during excavation from the referenced site (Lot 5) (up to 17-ft from below basement grade,) do not have to be managed as hazardous waste and can be transported off-site to permitted solid waste facility, able to accept this material, as non-hazardous waste.

General Evaluation

During the soil excavation, if Impact Environmental may encounter stain, discoloration or exhibits odors suggesting contamination, such material shall be separated from the excavated material and should be properly stockpiled and analyzed as per the approved Remedial Action Work Plan (RAWP)), and depending on the results, Impact Environmental may request a "Contained-In" determination for this material.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Environmental Engineer
RCRA Permit Section

ec: C. Allan, NYDEC