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August 18, 2021

Mr. Matthew Hubicki
Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7016

Re: Progress Report – July 2021
Polychrome West Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360099

Dear Mr. Hubicki:

This Progress Report has been prepared by AKRF, Inc. (AKRF) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome West site [Brownfield Cleanup Program (BCP) Site No. C360099] located at 137-145 Alexander Street, Yonkers, New York (the Site) during the month of July 2021.

Community Air Monitoring Plan (CAMP) observations were as follows:

- No intrusive soil work occurred below the final cover system at the Site during the June 2021 reporting period.
- On July 1, 14, 15, 27, and 29, 2021, handheld equipment was used to monitor volatile organic compounds (VOCs), oxygen, and hydrogen sulfide (H₂S) during dense non-aqueous phase liquid (DNAPL) coal tar gauging and removal activities, in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP). Air monitoring was performed within the work zone. No VOC or H₂S exceedances were recorded during the DNAPL removal activities.

Site Activities:

- During the month of July, no on-Site excavation activities below the final cover system occurred.
- On July 14 and 27, 2021, DNAPL gauging was conducted at NW-5, NW-6, NW-8, NW-10, and NW-11, and monthly groundwater gauging was conducted at MW-A, MW-B, MW-C, MW-D, MW-E, NW-1, NW-3, NW-5, NW-6, NW-8, NW-9, NW-10, NW-10S, NW-11, and NW-12. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the July 2021 monitoring events in NW-5, NW-6, NW-8, NW-10, and NW-11, as summarized below and detailed in the attached Table 1.

Recovery Well ID	DNAPL Thickness 7/14/2021 (feet)	DNAPL Thickness 7/27/2021 (feet)
NW-5	8.75	8.39
NW-6	4.75	3.73
NW-8	0.62	0.62
NW-10	3.64	4.39
NW-11	ND	1.10

ND – No Detection

Note: Measured DNAPL thicknesses are estimated.

- On July 14 and 27, 2021, AKRF performed DNAPL removal activities with a 2-inch submersible pump and dedicated tubing at recovery wells NW-8 (~1 gallon total) and NW-10 (~6.5 gallons total). The recovered DNAPL was containerized in a Department of Transportation (DOT)-approved 55-gallon drum, labeled as hazardous waste, and staged on the PW Site in Grid Cell B1 (see Figure 2).
- On July 1, 15, and 29, 2021, AKRF performed oversight during additional DNAPL removal, which was completed by Eastern Environmental of Manorville, New York (Eastern). DNAPL was removed from recovery wells NW-5 (~20 gallons total) and NW-6 (~39.5 gallons total) utilizing a vacuum truck to apply vacuum on an internal 1-inch pipe within the respective recovery well. DNAPL was also removed at NW-11 (~5.1 gallons) on July 29, 2021; however, no measurable DNAPL was detected with the oil/water interface probe on the July 14, 2021 gauging event (as shown on Table 1). The recovered DNAPL was containerized in a DOT-approved 55-gallon drum, labeled as hazardous waste, and staged on-Site in Grid Cell B1 (see Figure 2) for off-site disposal at an appropriate receiving facility. Following DNAPL removal, the vacuum truck was decontaminated using a steam pressure washer with the decontamination fluids drummed on-Site.
- On July 1, 2021, Eastern removed one drum of used personal protective equipment (PPE) and oily debris generated during previous DNAPL recovery events. The drum was disposed of at Clean Waters of New York in Staten Island, New York. The non-hazardous waste manifest is included in Attachment A and will be included in the Periodic Review Report (PRR) for 2021.
- On July 8, 2021, Veolia Environmental Services (VES) picked up one drum of DNAPL generated during the May and June 2021 DNAPL pumping events for off-site disposal at their facility in Flanders, New Jersey. The hazardous waste disposal manifest is included in Attachment A and will be included in the PRR.
- On July 14, 2021, AKRF, on behalf of AVB, submitted a formal response to the June 29, 2021 NYSDEC letter. The AKRF and AVB response documented that a formal workplan would be developed and submitted to NYSDEC to address the overtopping of the sumps at NW-5 and NW-6.
- On July 29, 2021, Eastern removed one drum of PPE and oily debris generated during previous DNAPL recovery events. The drum was disposed of at Clean Waters of New York in Staten Island, New York. The non-hazardous waste manifest is pending and the final version will be included in the PRR for 2021.
- A total of approximately 72.1 gallons of DNAPL were recovered during the reporting period and a total of 714.85 gallons of DNAPL have been recovered year to date. Since DNAPL removal activities began in January 2020, a total of 1,220.85 gallons of DNAPL have been removed, transported, and disposed of. DNAPL recovery totals are summarized in Table 2.

The following work is planned for August 2021:

- Annual SSDS inspection;

- AKRF anticipates completing DNAPL gauging and removal in August 2021 using the same methods as described above while long-term trends and alternate recovery methods are evaluated;
- Drafting and submission of a formal response to the NYSDEC “DNAPL Recovery Options/Site Management Activities” Letter;
- NAPL recovery well monitoring and DNAPL recovery at a frequency of once every two weeks; and
- Disposal, as needed, of recovered DNAPL (i.e., coal tar) and used PPE/field supplies.

If you have any questions or require additional information, please contact me at (914) 922-2387.

Sincerely,
AKRF, Inc.

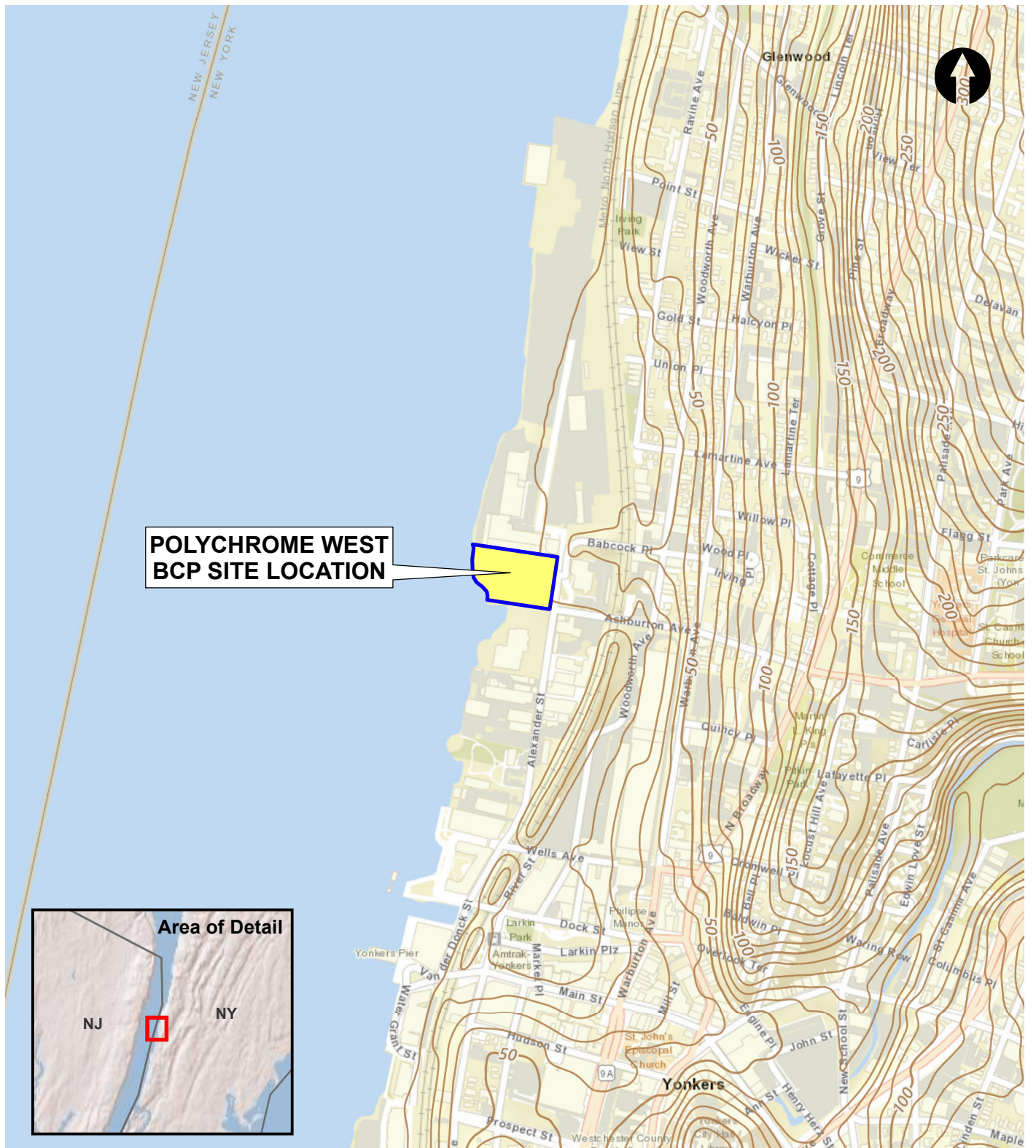


Patrick McHugh, P.E.
Environmental Engineer

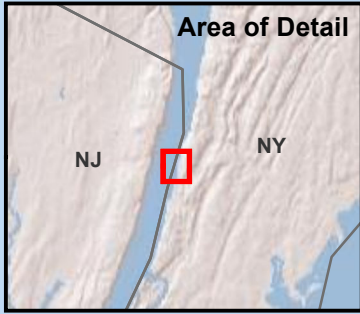
Encl.: Figure 1 – Site Location Map
 Figure 2 – Site Plan with Reference Grid
 Figure 3 – NAPL Recovery & Groundwater Monitoring Well Location Plan
 Table 1 – Polychrome West Well Gauging Table
 Table 2 – Polychrome West DNAPL Recovery Totals
 Attachment A – Eastern & Veolia Manifests

cc (electronic copy only): Kevin Carpenter/Scott Deyette – NYSDEC
 Sarita Wagh – NYSDOH
 Glen Moran/Christopher Reynolds/Jon Vogel/ Michael Simpson – AVB
 Scott Caporizzo/Marc Godick/Steve Grens/Rebecca Kinal – AKRF

©2019 AKRF Q:\Projects\1800.17 - AVALONBAY YONKERS - BLD 2 - PC\Map\Technical\GIS and Graphics\Hazmat\FER180017 Fig. 1 site loc map.mxd/25/2019 3:39:54 PM mveillieux



**POLYCHROME WEST
BCP SITE LOCATION**



Service Layer Credits: ESRI Worldwide Street Map data, 2019.

Map Source - BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C.
Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.



34 S. Broadway #401, White Plains, NY 10601

**Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York**

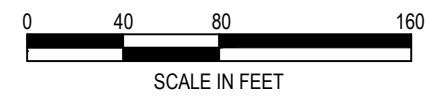
SITE LOCATION MAP

DATE	12/19/2019
PROJECT NO.	180017
FIGURE	1



LEGEND
 PROJECT SITE BOUNDARY

 ALPHANUMERIC GRID



Aerial Source:
2014 New York Statewide Digital Orthoimagery.



440 Park Avenue South, New York, NY 10016

Polychrome West Site
BCP Site C360099
Yonkers, New York

SITE PLAN WITH REFERENCE GRID

DATE

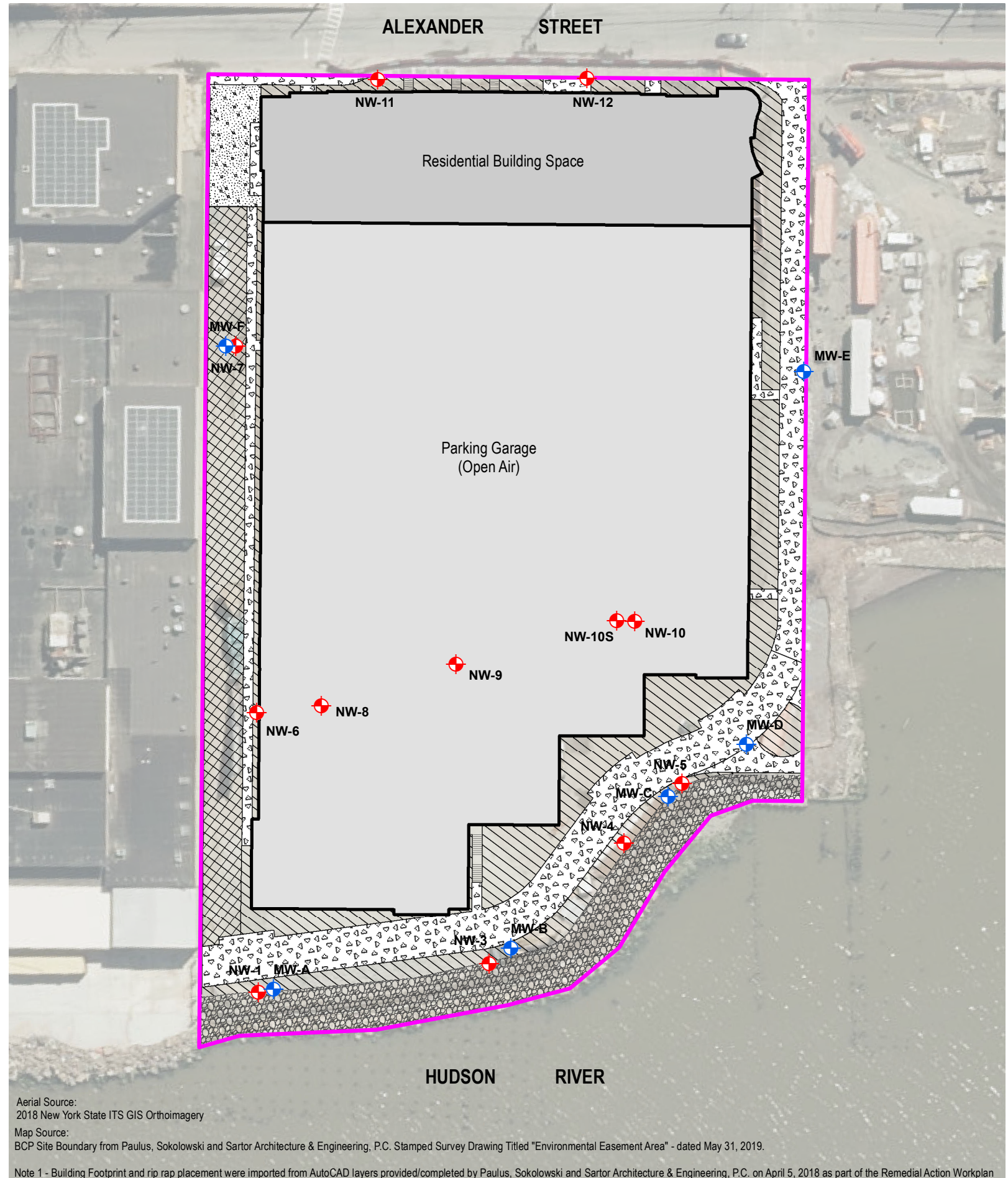
PROJECT NO.

40566

FIGURE

2

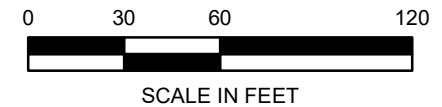
©2019 AKRF, C:\Projects\180017 - AVALONBAY YONKERS - BLD 2 - PCW\Technical\GIS and Graphics\Hazmat\FER180017 Fig 7 NAPL Recovery and GW Wells.mxd 12/19/2019 2:26:59 PM mvelieux



Aerial Source:
2018 New York State ITS GIS Orthoimagery
Map Source:
BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.
Note 1 - Building Footprint and rip rap placement were imported from AutoCAD layers provided/completed by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. on April 5, 2018 as part of the Remedial Action Workplan

LEGEND

- BCP SITE
- RESIDENTIAL BUILDING
- PARKING GARAGE (OPEN)
- ESPLANADE
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- RIP RAP
- NAPL RECOVERY WELL
- GROUNDWATER MONITORING WELL LOCATION (SHALLOW NAPL RECOVERY)



**Polychrome West
NYSDEC Site (BCP #C360099)
Yonkers, New York**

**NAPL RECOVERY & GROUNDWATER
MONITORING WELL LOCATION PLAN**

DATE	12/19/2019
PROJECT NO.	180017
FIGURE	3

Table 1
Polychrome West
Yonkers, NY
Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
MW-A	10/7/2020	9:15	ND	5.86	ND	11.16	NA	NA	
	10/21/2020	8:20	ND	5.96	ND	11.20	NA	NA	
	11/4/2020	5:55	ND	6.42	ND	11.21	NA	NA	
	11/18/2020	9:40	ND	5.82	ND	11.28	NA	NA	
	12/1/2020	8:25	ND	3.20	ND	11.17	NA	NA	
	12/16/2020	8:10	ND	5.75	ND	11.19	NA	NA	
	12/29/2020	8:15	ND	4.96	ND	11.18	NA	NA	
	1/13/2021	7:30	ND	5.18	ND	11.16	NA	NA	
	1/27/2021	8:15	ND	4.25	ND	11.33	NA	NA	
	2/8/2021	9:00	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:10	ND	4.91	ND	11.28	NA	NA	
	3/10/2021	8:15	ND	5.28	ND	11.25	NA	NA	
	3/24/2021	8:02	ND	4.91	ND	11.19	NA	NA	
	4/7/2021	8:30	ND	4.27	ND	11.18	NA	NA	
	4/21/2021	9:10	ND	5.17	ND	11.15	NA	NA	
	5/5/2021	8:30	ND	4.40	ND	11.19	NA	NA	
	5/17/2021	8:30	ND	5.92	ND	11.18	NA	NA	
	6/2/2021	8:09	ND	5.39	ND	11.19	NA	NA	
	6/16/2021	8:50	ND	5.79	ND	11.32	NA	NA	
	6/30/2021	8:33	ND	5.95	ND	11.25	NA	NA	
7/14/2021	8:10	ND	5.72	ND	11.24	NA	NA		
7/27/2021	7:57	ND	5.67	ND	11.21	NA	NA		
MW-B	10/7/2020	9:20	ND	9.10	ND	12.68	NA	NA	
	10/21/2020	8:15	ND	9.22	ND	12.70	NA	NA	
	11/4/2020	6:00	ND	9.54	ND	12.89	NA	NA	
	11/18/2020	9:45	ND	9.08	ND	13.03	NA	NA	
	12/1/2020	8:30	ND	7.25	ND	12.78	NA	NA	
	12/16/2020	8:05	ND	9.18	ND	12.75	NA	NA	
	12/29/2020	8:10	ND	8.25	ND	12.78	NA	NA	
	1/13/2021	7:35	ND	8.17	ND	12.72	NA	NA	
	1/27/2021	8:10	ND	7.98	ND	12.92	NA	NA	
	2/8/2021	8:50	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	2/24/2021	8:05	ND	8.24	ND	12.81	NA	NA	
	3/10/2021	8:25	ND	8.27	ND	12.82	NA	NA	
	3/24/2021	8:07	ND	8.14	ND	12.74	NA	NA	
	4/7/2021	8:35	ND	7.81	ND	12.77	NA	NA	
	4/21/2021	9:15	ND	8.28	ND	12.76	NA	NA	
	5/5/2021	8:35	ND	7.59	ND	12.72	NA	NA	
	5/17/2021	8:35	ND	9.14	ND	12.72	NA	NA	
	6/2/2021	8:14	ND	8.15	ND	12.73	NA	NA	
	6/16/2021	8:55	ND	9.08	ND	12.85	NA	NA	
	6/30/2021	8:30	ND	9.19	ND	12.81	NA	NA	
7/14/2021	8:15	ND	9.13	ND	12.81	NA	NA		
7/27/2021	7:54	ND	9.17	ND	12.86	NA	NA		
MW-C	10/7/2020	9:25	ND	8.39	ND	12.83	NA	NA	
	10/21/2020	8:12	ND	8.43	ND	12.47	NA	NA	
	11/4/2020	6:05	ND	8.50	ND	12.59	NA	NA	
	11/18/2020	9:50	ND	7.87	ND	12.35	NA	NA	
	12/1/2020	8:35	ND	5.89	ND	12.37	NA	NA	
	12/16/2020	8:00	ND	7.80	ND	12.31	NA	NA	
	12/29/2020	8:05	ND	7.19	ND	12.42	NA	NA	
	1/13/2021	7:30	ND	7.31	ND	12.49	NA	NA	
	1/27/2021	8:05	ND	6.85	ND	12.54	NA	NA	
	2/8/2021	8:40	ND	7.24	ND	12.50	NA	NA	
	2/24/2021	8:00	ND	7.20	ND	12.45	NA	NA	
	3/10/2021	8:30	ND	7.31	ND	12.43	NA	NA	
	3/24/2021	8:10	ND	7.21	ND	12.35	NA	NA	
	4/7/2021	8:40	ND	6.11	ND	12.36	NA	NA	
	4/21/2021	9:20	ND	7.41	ND	12.36	NA	NA	
	5/5/2021	8:40	ND	6.71	ND	12.36	NA	NA	
	5/17/2021	8:40	ND	8.30	ND	12.30	NA	NA	
	6/2/2021	8:20	ND	7.73	ND	12.31	NA	NA	
	6/16/2021	8:58	ND	8.37	ND	12.56	NA	NA	
	6/30/2021	8:25	ND	7.40	ND	12.40	NA	NA	
7/14/2021	8:20	ND	8.10	ND	12.41	NA	NA		
7/27/2021	7:51	ND	8.29	ND	12.64	NA	NA		
MW-D	10/7/2020	9:35	ND	8.60	ND	15.95	NA	NA	
	10/21/2020	8:10	ND	8.45	ND	15.83	NA	NA	
	11/4/2020	6:10	ND	9.27	ND	16.02	NA	NA	
	11/18/2020	9:55	ND	8.93	ND	16.18	NA	NA	
	12/1/2020	8:40	ND	7.86	ND	15.94	NA	NA	
	12/16/2020	7:55	ND	8.91	ND	15.86	NA	NA	
	12/29/2020	8:00	ND	8.75	ND	15.91	NA	NA	
	1/13/2021	7:55	ND	8.92	ND	15.96	NA	NA	
	1/27/2021	8:00	ND	8.65	ND	16.02	NA	NA	
	2/8/2021	8:30	ND	8.72	ND	15.92	NA	NA	
	2/24/2021	7:50	ND	8.61	ND	15.93	NA	NA	
	3/10/2021	8:40	ND	9.06	ND	15.96	NA	NA	
	3/24/2021	8:12	ND	8.87	ND	15.92	NA	NA	
	4/7/2021	8:45	ND	8.42	ND	15.90	NA	NA	
	4/21/2021	9:25	ND	8.32	ND	15.87	NA	NA	
	5/5/2021	8:45	ND	7.96	ND	15.83	NA	NA	
	5/17/2021	8:45	ND	8.69	ND	15.83	NA	NA	
	6/2/2021	8:25	ND	8.31	ND	15.84	NA	NA	
	6/16/2021	9:01	ND	8.40	ND	16.01	NA	NA	
	6/30/2021	8:20	ND	8.86	ND	15.96	NA	NA	
7/14/2021	8:25	ND	8.21	ND	15.91	NA	NA		
7/27/2021	7:48	ND	8.15	ND	15.98	NA	NA		

Table 1
Polychrome West
Yonkers, NY
Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
MW-E	10/7/2020	9:40	ND	8.72	ND	12.70	NA	NA	
	10/21/2020	8:05	ND	8.97	ND	12.75	NA	NA	
	11/4/2020	6:15	ND	9.15	ND	12.63	NA	NA	
	11/18/2020	10:00	ND	8.54	ND	12.59	NA	NA	
	12/1/2020	8:45	ND	7.39	ND	12.67	NA	NA	
	12/16/2020	7:50	ND	8.81	ND	12.51	NA	NA	
	12/29/2020	7:55	ND	8.27	ND	12.53	NA	NA	
	1/13/2021	8:00	ND	8.64	ND	12.72	NA	NA	
	1/27/2021	7:45	ND	7.98	ND	12.67	NA	NA	
	2/8/2021	8:20	ND	8.11	ND	12.53	NA	NA	
	2/24/2021	7:45	ND	7.90	ND	12.57	NA	NA	
	3/10/2021	8:45	ND	8.39	ND	12.57	NA	NA	
	3/24/2021	8:14	ND	8.11	ND	12.71	NA	NA	
	4/7/2021	8:50	ND	7.77	ND	12.51	NA	NA	
	4/21/2021	9:30	ND	8.06	ND	12.51	NA	NA	
	5/5/2021	8:50	ND	7.54	ND	12.68	NA	NA	
	5/17/2021	8:50	ND	9.06	ND	12.70	NA	NA	
	6/2/2021	8:30	ND	8.70	ND	12.63	NA	NA	
	6/16/2021	9:05	ND	9.08	ND	12.59	NA	NA	
	6/30/2021	8:15	ND	9.14	ND	12.70	NA	NA	
7/14/2021	8:00	ND	8.96	ND	12.55	NA	NA		
7/27/2021	7:46	ND	8.89	ND	12.72	NA	NA		
MW-F	10/7/2020	8:45	ND	9.39	ND	17.61	NA	NA	
	10/21/2020	9:00	ND	9.16	ND	17.65	NA	NA	
	11/4/2020	6:25	ND	9.25	ND	17.73	NA	NA	
	11/18/2020	9:35	ND	9.41	ND	18.19	NA	NA	
	12/1/2020	8:20	ND	9.14	ND	17.69	NA	NA	
	12/16/2020	8:15	ND	9.53	ND	17.57	NA	NA	
	12/29/2020	8:20	ND	9.29	ND	17.68	NA	NA	
	1/13/2021	7:25	ND	9.55	ND	17.96	NA	NA	
	1/27/2021	8:20	ND	9.77	ND	17.75	NA	NA	
	2/8/2021	9:05	NA	NA	NA	NA	NA	NA	Inaccessible due to snow coverage
	2/24/2021	8:15	NA	NA	NA	NA	NA	NA	Inaccessible due to snow coverage
	3/10/2021	8:50	NA	NA	NA	NA	NA	NA	Inaccessible due to snow coverage
	3/24/2021	8:19	ND	9.45	ND	17.60	NA	NA	Inaccessible due to snow coverage
	4/7/2021	8:55	ND	9.20	ND	17.67	NA	NA	
	4/21/2021	8:55	ND	9.08	ND	17.65	NA	NA	
	5/5/2021	9:00	ND	9.05	ND	17.58	NA	NA	
	5/17/2021	8:55	ND	9.51	ND	17.58	NA	NA	
	6/2/2021	8:05	ND	8.90	ND	17.60	NA	NA	
	6/16/2021	8:00	ND	9.02	ND	17.69	NA	NA	
	6/30/2021	8:37	ND	9.47	ND	17.69	NA	NA	
7/14/2021	8:05	ND	8.69	ND	17.65	NA	NA		
7/27/2021	8:01	ND	8.58	ND	17.69	NA	NA		
NW-1	10/7/2020	9:05	ND	7.68	ND	20.31	NA	NA	
	10/21/2020	9:05	ND	7.77	ND	20.42	NA	NA	
	11/4/2020	6:55	ND	8.12	ND	20.42	NA	NA	
	11/18/2020	10:20	ND	7.74	ND	21.25	NA	NA	
	12/1/2020	9:30	ND	5.02	ND	20.28	NA	NA	
	12/16/2020	9:15	ND	7.40	ND	20.34	NA	NA	
	12/29/2020	9:15	ND	6.81	ND	20.34	NA	NA	
	1/13/2021	8:40	ND	6.67	ND	20.36	NA	NA	
	1/27/2021	9:05	ND	6.02	ND	20.39	NA	NA	
	2/8/2021	9:15	ND	6.93	ND	20.45	NA	NA	
	2/24/2021	9:15	ND	6.81	ND	26.47	NA	NA	
	3/10/2021	10:15	ND	7.19	ND	26.39	NA	NA	
	3/24/2021	9:08	ND	6.95	ND	20.43	NA	NA	
	4/7/2021	9:00	ND	6.34	ND	20.33	NA	NA	
	4/21/2021	9:00	ND	7.30	ND	20.34	NA	NA	
	5/5/2021	9:45	ND	6.70	ND	20.33	NA	NA	
	5/17/2021	9:20	ND	7.74	ND	20.34	NA	NA	
	6/2/2021	9:19	ND	7.43	ND	20.31	NA	NA	
	6/16/2021	9:43	ND	7.61	ND	20.43	NA	NA	
	6/30/2021	9:00	ND	7.89	ND	20.40	NA	NA	
7/14/2021	9:00	ND	7.46	ND	20.41	NA	NA		
7/27/2021	8:43	ND	7.40	ND	20.41	NA	NA		
NW-3	10/7/2020	11:05	ND	7.46	ND	33.05	NA	NA	
	10/21/2020	9:15	ND	8.06	ND	33.22	NA	NA	
	11/4/2020	7:05	ND	8.42	ND	33.15	NA	NA	
	11/18/2020	10:30	ND	7.94	ND	34.24	NA	NA	
	12/1/2020	9:35	ND	6.05	ND	33.06	NA	NA	
	12/16/2020	9:20	ND	7.66	ND	32.98	NA	NA	
	12/29/2020	9:20	ND	6.96	ND	32.32	NA	NA	
	1/13/2021	8:45	ND	6.99	ND	33.30	NA	NA	
	1/27/2021	9:10	ND	6.67	ND	33.09	NA	NA	
	2/8/2021	9:25	ND	7.09	ND	33.11	NA	NA	
	2/24/2021	9:20	ND	7.09	ND	33.11	NA	NA	
	3/10/2021	10:20	ND	7.28	ND	33.67	NA	NA	
	3/24/2021	9:13	ND	7.01	ND	32.98	NA	NA	
	4/7/2021	9:05	ND	6.57	ND	33.04	NA	NA	
	4/21/2021	9:10	ND	7.20	ND	33.05	NA	NA	
	5/5/2021	9:55	ND	6.63	ND	33.04	NA	NA	
	5/17/2021	9:25	ND	7.99	ND	33.00	NA	NA	
	6/2/2021	9:25	ND	7.42	ND	33.00	NA	NA	
	6/16/2021	9:48	ND	7.73	ND	32.96	NA	NA	
	6/30/2021	8:55	ND	7.84	ND	33.05	NA	NA	
7/14/2021	9:05	ND	7.74	ND	33.03	NA	NA		
7/27/2021	8:40	ND	7.89	ND	33.06	NA	NA		

Table 1
Polychrome West
Yonkers, NY
Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
NW-4	10/7/2020	11:20	ND	8.73	Trace	43.24	NA	NA	
	10/21/2020	9:45	ND	8.85	ND	43.21	NA	NA	
	11/4/2020	7:35	ND	9.44	ND	43.23	NA	NA	
	11/18/2020	10:40	ND	9.22	ND	44.98	NA	NA	
	12/1/2020	10:20	ND	7.95	ND	43.26	NA	NA	
	12/16/2020	9:40	ND	9.16	ND	43.19	NA	NA	
	12/29/2020	10:20	ND	8.84	ND	42.23	NA	NA	
	1/13/2021	9:35	ND	8.79	ND	43.16	NA	NA	
	1/27/2021	9:40	ND	8.74	ND	43.22	NA	NA	
	2/8/2021	11:00	NA	NA	NA	NA	NA	NA	Inaccessible due to snow coverage
	2/24/2021	9:45	NA	NA	NA	NA	NA	NA	Inaccessible due to snow coverage
	3/10/2021	10:30	ND	9.34	Trace	43.55	NA	NA	
	3/24/2021	9:23	ND	8.65	ND	43.29	NA	NA	
	4/7/2021	9:10	ND	8.66	ND	43.16	NA	NA	
	4/21/2021	9:15	ND	8.58	ND	43.17	NA	NA	
	5/5/2021	9:58	ND	8.43	ND	43.20	NA	NA	
	5/17/2021	9:30	ND	9.06	ND	43.19	NA	NA	
	6/2/2021	9:30	ND	8.81	ND	43.11	NA	NA	
	6/16/2021	9:52	ND	8.71	ND	43.20	NA	NA	
	6/30/2021	9:35	ND	8.96	ND	43.24	NA	NA	
7/14/2021	9:35	ND	8.61	ND	43.30	NA	NA		
7/27/2021	9:15	ND	8.63	ND	43.17	NA	NA		
NW-5	10/7/2020	12:20	ND	7.89	29.62	37.50	NA	7.88	Pre-pumping measurement
	10/14/2020	12:45	ND	8.90	ND	37.63	NA	NA	Post-pumping measurement -6 gallons removed
	10/21/2020	11:00	ND	7.93	30.12	37.61	NA	7.49	Pre-pumping measurement
	10/21/2020	11:30	ND	7.93	ND	38.12	NA	NA	Post-pumping measurement -10 gallons removed
	11/4/2020	9:00	ND	8.61	30.48	38.08	NA	7.60	Pre-pumping measurement
	11/5/2020	9:30	ND	8.60	ND	38.10	NA	NA	Post-pumping measurement -10 gallons removed
	11/18/2020	11:40	ND	8.08	29.99	38.02	NA	8.03	
	11/19/2020	9:30	ND	8.06	30.06	38.02	NA	7.96	Pre-pumping measurement
	11/19/2020	10:00	ND	8.09	ND	38.25	NA	NA	Post-pumping measurement -12 gallons removed
	12/1/2020	11:15	ND	6.62	29.76	38.01	NA	8.25	Pre-pumping measurement
	12/2/2020	9:35	ND	6.60	ND	38.10	NA	NA	Post-pumping measurement -10 gallons removed
	12/16/2020	11:20	ND	7.79	29.70	38.10	NA	8.40	Pre-pumping measurement
	12/18/2020	10:30	ND	7.52	ND	37.70	NA	NA	Post-pumping measurement -6 gallons removed
	12/29/2020	11:30	ND	7.97	29.60	38.21	NA	8.61	
	12/30/2020	9:45	ND	8.00	29.57	38.11	NA	8.54	Pre-pumping measurement
	12/30/2020	10:45	ND	8.01	ND	38.22	NA	NA	Post-pumping measurement -10 gallons removed
	1/13/2021	10:30	ND	7.49	29.99	38.21	NA	8.22	
	1/14/2021	8:50	ND	7.87	29.98	38.21	NA	8.23	Pre-pumping measurement
	1/14/2021	10:00	ND	8.02	ND	38.21	NA	NA	Post-pumping measurement -15 gallons removed
	1/27/2021	10:55	ND	7.58	29.90	38.11	NA	8.21	
	1/28/2021	9:00	ND	7.60	29.90	38.11	NA	8.21	Pre-pumping measurement
	1/28/2021	9:30	ND	7.70	ND	38.11	NA	NA	Post-pumping measurement -13 gallons removed
	2/8/2021	11:40	ND	8.70	30.00	38.11	NA	8.11	
	2/11/2021	10:30	ND	7.95	30.00	38.78	NA	8.78	Pre-pumping measurement
	2/11/2021	11:40	ND	7.97	ND	38.78	NA	NA	Post-pumping measurement -15 gallons removed
	2/24/2021	10:30	ND	8.23	29.80	38.78	NA	8.98	
	2/25/2021	8:40	ND	8.23	29.80	38.76	NA	8.96	Pre-pumping measurement
	2/25/2021	10:25	ND	8.25	ND	38.76	NA	NA	Post-pumping measurement -9 gallons removed
	3/10/2021	11:50	ND	8.48	29.79	38.50	NA	8.71	
	3/11/2021	9:15	ND	8.14	29.98	38.50	NA	8.52	Pre-pumping measurement
	3/11/2021	11:15	ND	8.29	ND	38.50	NA	NA	Post-pumping measurement -10 gallons removed
	3/24/2021	10:04	ND	8.26	30.46	38.42	NA	7.96	
	3/25/2021	8:58	ND	7.92	30.34	38.42	NA	8.08	Pre-pumping measurement
	3/25/2021	11:20	ND	7.47	ND	38.72	NA	NA	Post-pumping measurement -13 gallons removed
	4/7/2021	9:15	ND	8.01	30.30	38.72	NA	8.42	
	4/8/2021	8:15	ND	7.66	29.90	38.00	NA	8.10	Pre-pumping measurement
	4/8/2021	11:20	NM	NM	NM	NM	NM	NM	No post-pumping measurement. ~330 gallons of water/DNAPL mixture removed, due to possible breaches in the 1-inch internal pipe above the 3-foot well sump.
	4/21/2021	9:20	ND	8.35	29.80	38.72	NA	8.92	The 1" internal pipe was removed from NW-5 and holes were discovered on the pipe above the 3-foot well sump. No pumping at NW-5 until the 1-inch internal pipe is replaced.
	5/5/2021	12:00	ND	8.20	29.12	37.88	NA	8.76	
	5/6/2021	10:10	ND	7.81	29.45	37.88	NA	8.43	Pre-pumping measurement
	5/6/2021	11:40	ND	8.31	ND	37.88	NA	NA	Post-pumping measurement -10 gallons removed
	5/17/2021	11:30	ND	8.67	27.94	37.94	NA	10.00	
	5/20/2021	9:30	ND	8.63	27.90	37.94	NA	10.04	Pre-pumping measurement
	5/20/2021	10:30	ND	8.67	ND	37.94	NA	NA	Post-pumping measurement -13 gallons removed
	6/2/2021	10:55	ND	8.90	30.20	38.34	NA	8.14	
	6/3/2021	9:00	ND	8.90	30.17	38.31	NA	8.14	Pre-pumping measurement
	6/3/2021	9:45	ND	8.93	ND	38.40	NA	NA	Post-pumping measurement -13 gallons removed
6/16/2021	10:52	ND	8.67	29.71	38.34	NA	8.63		
6/17/2021	8:25	ND	8.66	29.70	38.34	NA	8.64	Pre-pumping measurement	
6/17/2021	9:55	ND	8.70	ND	38.34	NA	NA	Post-pumping measurement -17 gallons removed	
6/30/2021	11:00	ND	8.98	29.98	38.65	NA	8.67		
7/1/2021	8:15	ND	8.80	29.98	38.65	NA	8.67	Pre-pumping measurement	
7/1/2021	8:35	ND	8.82	ND	38.65	NA	NA	Post-pumping measurement -4.7 gallons removed	
7/14/2021	10:45	ND	7.95	29.90	38.65	NA	8.75		
7/15/2021	9:15	ND	8.75	29.90	38.65	NA	8.75	Pre-pumping measurement	
7/15/2021	9:55	ND	8.80	ND	38.65	NA	NA	Post-pumping measurement -5.95 gallons removed	
7/27/2021	3:36	ND	7.59	29.80	38.19	NA	8.39		
7/29/2021	8:45	ND	8.70	29.80	38.19	NA	8.39	Pre-pumping measurement	
7/29/2021	9:20	ND	8.75	ND	38.19	NA	NA	Post-pumping measurement -9.35 gallons removed	

Table 1
Polychrome West
Yonkers, NY
Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
NW-6	10/7/2020	12:05	ND	9.01	33.26	38.32	NA	5.06	Pre-pumping measurement
	10/14/2020	8:45	ND	8.55	ND	37.20	NA	ND	Post-pumping measurement -6 gallons removed
	10/21/2020	10:40	ND	9.00	33.37	38.35	NA	4.98	Pre-pumping measurement
	10/21/2020	12:00	ND	9.00	ND	38.38	NA	NA	Post-pumping measurement -5 gallons removed
	11/4/2020	8:45	ND	9.66	32.28	36.06	NA	3.78	Pre-pumping measurement
	11/5/2020	10:00	ND	9.64	ND	38.31	NA	NA	Post-pumping measurement -10 gallons removed
	11/18/2020	11:25	ND	9.16	33.39	38.10	NA	4.71	
	11/19/2020	10:00	ND	9.15	33.43	38.09	NA	4.66	Pre-pumping measurement
	11/19/2020	10:15	ND	9.16	ND	38.14	NA	NA	Post-pumping measurement -3 gallons removed
	12/1/2020	11:00	ND	7.98	34.41	37.12	NA	2.71	Pre-pumping measurement
	12/2/2020	10:05	ND	8.01	ND	37.12	NA	NA	Post-pumping measurement -5 gallons removed
	12/16/2020	11:00	ND	9.20	33.20	37.12	NA	3.92	Pre-pumping measurement
	12/18/2020	12:00	ND	8.70	ND	38.35	NA	NA	Post-pumping measurement -6 gallons removed
	12/29/2020	11:10	ND	8.75	33.35	38.10	NA	4.75	
	12/30/2020	11:15	ND	8.71	33.33	38.10	NA	4.77	Pre-pumping measurement
	12/30/2020	11:45	ND	8.73	ND	38.12	NA	NA	Post-pumping measurement -5 gallons removed
	1/13/2021	10:15	ND	8.45	33.44	38.10	NA	4.66	
	1/14/2021	8:25	ND	8.87	33.31	38.10	NA	4.79	Pre-pumping measurement
	1/14/2021	8:40	ND	8.92	ND	38.10	NA	NA	Post-pumping measurement -10 gallons removed
	1/27/2021	11:15	ND	8.63	34.00	38.35	NA	4.35	
	1/28/2021	10:15	ND	8.70	34.00	38.35	NA	4.35	Pre-pumping measurement
	1/28/2021	10:40	ND	8.73	ND	38.37	NA	NA	Post-pumping measurement -13 gallons removed
	2/8/2021	11:20	ND	7.98	33.95	38.37	NA	4.42	
	2/11/2021	12:05	ND	7.55	33.90	38.38	NA	4.48	Pre-pumping measurement
	2/11/2021	12:20	ND	7.54	ND	38.36	NA	NA	Post-pumping measurement -5 gallons removed
	2/24/2021	10:20	ND	8.86	33.10	38.36	NA	5.26	
	2/25/2021	10:45	ND	8.80	33.10	38.37	NA	5.27	Pre-pumping measurement
	2/25/2021	10:55	ND	8.82	ND	38.37	NA	NA	Post-pumping measurement -5 gallons removed
	3/10/2021	11:40	ND	8.48	33.60	38.32	NA	4.72	
	3/11/2021	11:38	ND	8.26	32.80	38.32	NA	5.52	Pre-pumping measurement
	3/11/2021	11:50	ND	9.04	ND	38.35	NA	NA	Post-pumping measurement -6 gallons removed
	3/24/2021	9:59	ND	8.84	33.04	38.12	NA	5.08	
	3/25/2021	11:27	ND	8.61	32.98	38.10	NA	5.12	Pre-pumping measurement
	3/25/2021	11:43	ND	9.41	ND	38.14	NA	NA	Post-pumping measurement -7 gallons removed
	4/7/2021	9:15	ND	8.45	33.25	38.15	NA	4.90	
	4/8/2021	12:00	ND	8.45	33.29	38.15	NA	4.86	Pre-pumping measurement
	4/8/2021	12:20	ND	8.54	ND	38.35	NA	NA	Post-pumping measurement -20 gallons removed
	4/21/2021	9:25	ND	8.59	33.22	38.50	NA	5.28	
	4/22/2021	10:15	ND	8.82	33.01	38.48	NA	5.47	Pre-pumping measurement
	4/22/2021	10:45	ND	8.87	ND	38.45	NA	NA	Post-pumping measurement -15 gallons removed
	5/5/2021	11:00	ND	8.40	33.41	38.52	NA	5.11	
	5/6/2021	12:45	ND	8.61	33.45	38.50	NA	5.05	No vacuum event performed at NW-6
	5/17/2021	11:00	ND	9.10	31.89	37.99	NA	6.10	
	5/20/2021	10:45	ND	9.11	31.85	38.00	NA	6.15	Pre-pumping measurement
	5/20/2021	11:15	ND	9.14	ND	38.06	NA	NA	Post-pumping measurement -7 gallons removed
	6/2/2021	10:35	ND	8.75	32.18	38.49	NA	6.31	
	6/3/2021	10:00	ND	8.74	32.16	38.49	NA	6.33	Pre-pumping measurement
	6/3/2021	10:30	ND	8.78	ND	38.49	NA	NA	Post-pumping measurement -9 gallons removed
	6/16/2021	10:34	ND	8.84	32.50	38.03	NA	5.53	
	6/17/2021	10:10	ND	8.83	32.50	38.00	NA	5.50	Pre-pumping measurement
6/17/2021	10:35	ND	8.84	ND	38.05	NA	NA	Post-pumping measurement -17.25 gallons removed	
6/30/2021	10:35	ND	9.11	33.00	38.10	NA	5.10		
7/1/2021	8:50	ND	9.18	33.00	38.10	NA	5.10	Pre-pumping measurement	
7/1/2021	9:20	ND	9.19	ND	38.10	NA	NA	Post-pumping measurement -5.5 gallons removed	
7/14/2021	10:25	ND	8.45	32.95	37.70	NA	4.75		
7/15/2021	10:35	ND	8.65	32.95	37.70	NA	4.75	Pre-pumping measurement	
7/15/2021	11:05	ND	8.69	ND	37.70	NA	NA	Post-pumping measurement -15.3 gallons removed	
7/27/2021	11:05	ND	8.36	33.05	36.78	NA	3.73		
7/29/2021	9:45	ND	9.02	33.05	36.78	NA	3.73	Pre-pumping measurement	
7/29/2021	10:15	ND	9.09	ND	36.78	NA	NA	Post-pumping measurement -18.7 gallons removed	
NW-7	10/7/2020	10:55	ND	9.24	ND	22.85	NA	NA	
	10/21/2020	8:55	ND	9.02	ND	23.05	NA	NA	
	11/4/2020	7:15	ND	9.15	ND	22.97	NA	NA	
	11/18/2020	10:25	ND	9.37	ND	23.82	NA	NA	
	12/1/2020	9:25	ND	8.89	ND	22.98	NA	NA	
	12/16/2020	9:10	ND	9.41	ND	22.84	NA	NA	
	12/29/2020	9:25	ND	9.14	ND	22.97	NA	NA	
	1/13/2021	8:35	ND	9.51	ND	22.92	NA	NA	
	1/27/2021	9:00	ND	9.67	ND	22.94	NA	NA	
	2/8/2021	9:10	NA	NA	NA	NA	NA	NA	Inaccessible due to snow coverage
	2/24/2021	8:15	NA	NA	NA	NA	NA	NA	Inaccessible due to snow coverage
	3/10/2021	10:10	ND	9.40	ND	22.95	NA	NA	
	3/24/2021	9:32	ND	9.27	ND	22.96	NA	NA	
	4/7/2021	9:20	ND	9.00	ND	22.90	NA	NA	
	4/21/2021	9:30	ND	8.90	ND	22.89	NA	NA	
	5/5/2021	9:40	ND	8.90	ND	22.86	NA	NA	
	5/17/2021	9:35	ND	9.33	ND	22.89	NA	NA	
	6/2/2021	9:14	ND	8.76	ND	22.85	NA	NA	
	6/16/2021	9:40	ND	8.85	ND	22.97	NA	NA	
	6/30/2021	9:02	ND	9.29	ND	22.93	NA	NA	
7/14/2021	8:55	ND	8.55	ND	22.89	NA	NA		
7/27/2021	8:30	ND	8.39	ND	22.92	NA	NA		

Table 1
 Polychrome West
 Yonkers, NY
 Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
NW-8	10/7/2020	13:40	ND	9.93	35.24	36.24	NA	1.00	Pre-pumping measurement
	10/7/2020	14:30	ND	9.93	ND	36.24	NA	NA	Post-pumping measurement -1 gallon removed
	10/21/2020	14:30	ND	9.70	35.33	36.23	NA	0.90	Pre-pumping measurement
	10/21/2020	14:45	ND	9.70	ND	36.25	NA	NA	Post-pumping measurement -0.75 gallon removed
	11/4/2020	9:15	ND	10.75	Trace	38.14	NA	NA	
	11/18/2020	12:50	ND	10.18	35.49	37.54	NA	2.05	Pre-pumping measurement
	11/18/2020	12:50	ND	10.18	ND	37.54	NA	NA	Post-pumping measurement -2 gallons removed
	12/1/2020	11:55	ND	8.88	35.04	36.32	NA	1.28	Pre-pumping measurement
	12/1/2020	12:30	ND	8.88	ND	36.32	NA	NA	Post-pumping measurement -1 gallon removed
	12/16/2020	12:45	ND	9.97	35.15	36.30	NA	1.15	Pre-pumping measurement
	12/16/2020	13:15	ND	9.97	ND	36.30	NA	NA	Post-pumping measurement -1 gallon removed
	12/29/2020	12:00	ND	10.26	35.35	36.28	NA	0.93	Pre-pumping measurement
	12/29/2020	12:15	ND	10.26	ND	36.28	NA	NA	Post-pumping measurement -0.75 gallon removed
	1/13/2021	12:15	ND	9.80	35.50	36.28	NA	0.78	Pre-pumping measurement
	1/13/2021	12:35	ND	9.82	ND	36.28	NA	NA	Post-pumping measurement -1 gallon removed
	1/27/2021	12:30	ND	10.01	35.40	36.28	NA	0.88	Pre-pumping measurement
	1/27/2021	12:40	ND	9.92	ND	36.28	NA	NA	Post-pumping measurement -1 gallon removed
	2/8/2021	12:30	ND	10.80	35.55	36.27	NA	0.72	Pre-pumping measurement
	2/8/2021	12:50	ND	10.80	ND	36.27	NA	NA	Post-pumping measurement -0.5 gallon removed
	2/24/2021	11:35	ND	10.50	35.50	36.33	NA	0.83	Pre-pumping measurement
	2/24/2021	12:25	ND	10.52	ND	36.33	NA	NA	Post-pumping measurement -0.5 gallon removed
	3/10/2021	12:30	ND	10.62	35.50	36.28	NA	0.78	Pre-pumping measurement
	3/10/2021	13:00	ND	10.65	ND	36.33	NA	NA	Post-pumping measurement -0.75 gallon removed
	3/24/2021	12:32	ND	10.42	35.42	36.34	NA	0.92	Pre-pumping measurement
	3/24/2021	13:15	ND	10.52	ND	36.36	NA	NA	Post-pumping measurement -0.75 gallon removed
	4/7/2021	12:30	ND	10.19	35.56	36.23	NA	0.67	Pre-pumping measurement
	4/7/2021	13:15	ND	10.25	ND	36.23	NA	NA	Post-pumping measurement -1 gallon removed
	4/21/2021	12:55	ND	10.30	35.74	36.24	NA	0.50	Pre-pumping measurement
	4/21/2021	13:20	ND	10.31	ND	36.29	NA	NA	Post-pumping measurement -1 gallon removed
	5/5/2021	13:20	ND	10.18	35.81	36.28	NA	0.47	Pre-pumping measurement
	5/5/2021	13:45	ND	10.20	ND	36.26	NA	NA	Post-pumping measurement -1 gallon removed
	5/17/2021	13:00	ND	10.52	35.39	36.28	NA	0.89	Pre-pumping measurement
	5/17/2021	13:45	ND	10.44	ND	36.28	NA	NA	Post-pumping measurement -0.75 gallon removed
	6/2/2021	12:10	ND	10.51	35.39	36.28	NA	0.89	Pre-pumping measurement
	6/2/2021	12:40	ND	10.53	ND	36.30	NA	NA	Post-pumping measurement -0.75 Gallon removed
	6/16/2021	13:10	ND	10.24	35.56	36.28	NA	0.72	Pre-pumping measurement
	6/16/2021	13:35	ND	10.19	ND	36.33	NA	NA	Post-pumping measurement -0.5 Gallon removed
	6/30/2021	12:30	ND	10.65	32.49	35.64	NA	3.15	Pre-pumping measurement
	6/30/2021	12:55	ND	10.66	ND	35.67	NA	NA	Post-pumping measurement -1 Gallon removed
	7/14/2021	12:45	ND	9.77	35.70	36.32	NA	0.62	Pre-pumping measurement
	7/14/2021	13:15	ND	9.80	ND	36.32	NA	NA	Post-pumping measurement -0.5 Gallon removed
	7/27/2021	13:10	ND	9.41	35.70	36.32	NA	0.62	Pre-pumping measurement
	7/27/2021	13:40	ND	9.47	ND	36.32	NA	NA	Post-pumping measurement -0.5 Gallon removed
	10/7/2020	NA	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well
	10/14/2020	NA	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well
	10/21/2020	9:30	ND	10.83	32.96	33.56	NA	0.60	Pre-pumping measurement
	10/21/2020	16:15	ND	10.83	ND	33.56	NA	NA	Post-pumping measurement -0.5 gallon removed
11/4/2020	8:15	ND	11.27	Trace	33.60	NA	NA		
11/18/2020	10:50	ND	10.89	ND	34.56	NA	NA		
12/1/2020	10:10	ND	9.26	ND	33.57	NA	NA		
12/16/2020	9:55	ND	10.66	ND	33.47	NA	NA		
12/29/2020	10:40	ND	10.39	ND	33.63	NA	NA		
1/13/2021	9:40	ND	10.25	ND	33.53	NA	NA		
1/27/2021	9:50	ND	10.09	33.30	33.58	NA	0.28	Pre-pumping measurement	
1/27/2021	11:50	ND	10.22	ND	33.58	NA	NA	Post-pumping measurement -1 gallon removed	
2/8/2020	12:20	NA	NA	NA	NA	NA	NA	Parked vehicle obstructing access to well	
2/24/2021	9:40	ND	10.49	ND	33.72	NA	NA		
3/10/2021	10:50	ND	10.78	Trace	33.70	NA	NA		
3/24/2021	9:05	ND	10.45	Trace	33.61	NA	NA		
4/7/2021	9:25	ND	10.01	Trace	33.51	NA	NA		
4/21/2021	9:35	ND	10.30	ND	33.52	NA	NA		
5/5/2021	10:10	ND	9.92	ND	33.52	NA	NA		
5/17/2021	9:50	ND	10.95	ND	33.49	NA	NA		
6/2/2021	11:10	ND	10.72	ND	33.51	NA	NA		
6/16/2021	10:30	ND	10.58	ND	33.42	NA	NA		
6/30/2021	9:45	ND	10.95	ND	33.52	NA	NA		
7/14/2021	9:40	ND	10.44	ND	33.53	NA	NA		
7/27/2021	9:30	ND	10.36	ND	33.53	NA	NA		

Table 1
 Polychrome West
 Yonkers, NY
 Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments	
NW-10	10/7/2020	14:05	ND	10.15	27.23	33.58	NA	6.35	Pre-pumping measurement	
	10/7/2020	15:00	ND	10.15	ND	33.58	NA	NA	Post-pumping measurement -4.5 gallons removed	
	10/21/2020	14:50	ND	9.92	28.38	33.57	NA	5.19	Pre-pumping measurement	
	10/21/2020	15:45	ND	9.92	ND	33.57	NA	NA	Post-pumping measurement -4.75 gallons removed	
	11/4/2020	9:45	ND	11.08	28.00	33.74	NA	5.74	Pre-pumping measurement	
	11/4/2020	10:00	ND	11.08	ND	33.74	NA	NA	Post-pumping measurement -4.25 gallons removed	
	11/18/2020	13:25	ND	10.49	27.14	33.75	NA	6.61	Pre-pumping measurement	
	11/18/2020	14:15	ND	10.49	ND	33.75	NA	NA	Post-pumping measurement -4.5 gallons removed	
	12/1/2020	12:35	ND	9.19	28.83	33.66	NA	4.83	Pre-pumping measurement	
	12/1/2020	13:20	ND	9.19	ND	33.66	NA	NA	Post-pumping measurement -3.5 gallons removed	
	12/16/2020	11:30	ND	10.51	27.80	33.65	NA	5.85	Pre-pumping measurement	
	12/16/2020	12:00	ND	10.51	ND	33.65	NA	NA	Post-pumping measurement -4 gallons removed	
	12/29/2020	12:30	ND	10.52	30.90	33.73	NA	2.83	Pre-pumping measurement	
	12/29/2020	13:00	ND	10.52	ND	33.73	NA	NA	Post-pumping measurement -3.5 gallons removed	
	1/13/2021	11:20	ND	10.11	28.28	33.73	NA	5.45	Pre-pumping measurement	
	1/13/2021	12:10	ND	10.15	ND	33.73	NA	NA	Post-pumping measurement -2.5 gallons removed	
	1/27/2021	13:10	ND	10.30	28.00	33.64	NA	5.64	Pre-pumping measurement	
	1/27/2021	13:25	ND	10.44	ND	33.64	NA	NA	Post-pumping measurement -4 gallons removed	
	2/8/2021	13:00	ND	10.97	29.85	33.65	NA	3.80	Pre-pumping measurement	
	2/8/2021	13:30	ND	11.00	ND	33.65	NA	NA	Post-pumping measurement -3 gallons removed	
	2/24/2021	10:40	ND	10.56	29.68	33.64	NA	3.96	Pre-pumping measurement	
	2/24/2021	11:30	ND	10.58	ND	33.64	NA	NA	Post-pumping measurement -3 gallons removed	
	3/10/2021	13:30	ND	10.90	29.48	33.73	NA	4.25	Pre-pumping measurement	
	3/10/2021	14:00	ND	10.94	ND	33.73	NA	NA	Post-pumping measurement -3 gallons removed	
	3/24/2021	11:30	ND	10.56	31.11	33.54	NA	2.43	Pre-pumping measurement	
	3/24/2021	12:15	ND	10.68	ND	33.68	NA	NA	Post-pumping measurement -4 gallons removed	
	4/7/2021	11:45	ND	10.24	29.29	33.70	NA	4.41	Pre-pumping measurement	
	4/7/2021	12:15	ND	10.30	ND	33.70	NA	NA	Post-pumping measurement -4 gallons removed	
	4/21/2021	12:15	ND	10.49	30.29	33.59	NA	3.30	Pre-pumping measurement	
	4/21/2021	12:45	ND	10.48	ND	33.61	NA	NA	Post-pumping measurement -3 gallons removed	
	5/5/2021	12:30	ND	10.37	30.42	33.59	NA	3.17	Pre-pumping measurement	
	5/5/2021	12:55	ND	9.69	ND	33.60	NA	NA	Post-pumping measurement -3 gallons removed	
	5/17/2021	11:58	ND	10.95	30.01	33.59	NA	3.58	Pre-pumping measurement	
	5/17/2021	12:45	ND	10.86	ND	33.59	NA	NA	Post-pumping measurement -3 gallons removed	
	6/2/2021	11:30	ND	10.76	29.17	33.59	NA	4.42	Pre-pumping measurement	
	6/2/2021	12:00	ND	10.81	ND	33.59	NA	NA	Post-pumping measurement -4 gallons removed	
	6/16/2021	11:55	ND	10.63	29.81	33.67	NA	3.86	Pre-pumping measurement	
	6/16/2021	12:55	ND	10.59	ND	33.67	NA	NA	Post-pumping measurement -3.5 gallons removed	
	6/30/2021	11:50	ND	10.98	32.45	33.64	NA	1.19	Pre-pumping measurement	
	6/30/2021	12:15	ND	11.01	ND	33.65	NA	NA	Post-pumping measurement -3 gallons removed	
	7/14/2021	12:00	ND	10.19	30.05	33.69	NA	3.64	Pre-pumping measurement	
	7/14/2021	12:30	ND	10.22	ND	33.69	NA	NA	Post-pumping measurement -3 gallons removed	
	7/27/2021	12:20	ND	9.90	29.40	33.79	NA	4.39	Pre-pumping measurement	
	7/27/2021	12:50	ND	10.20	ND	33.79	NA	NA	Post-pumping measurement -3.5 gallons removed	
	NW-10S	10/7/2020	10:45	ND	10.50	ND	18.00	NA	NA	
		10/21/2020	9:25	ND	10.49	ND	18.02	NA	NA	
		11/4/2020	7:25	ND	10.33	ND	18.04	NA	NA	
		11/18/2020	10:35	ND	10.51	ND	18.04	NA	NA	
12/1/2020		9:40	ND	9.82	ND	18.01	NA	NA		
12/16/2020		9:00	ND	10.82	ND	17.92	NA	NA		
12/29/2020		9:00	ND	10.57	ND	18.02	NA	NA		
1/13/2021		8:30	ND	10.62	ND	18.06	NA	NA		
1/27/2021		8:50	ND	10.57	ND	18.03	NA	NA		
2/8/2021		10:00	ND	10.50	ND	17.98	NA	NA		
2/24/2021		9:20	ND	9.55	ND	18.07	NA	NA		
3/10/2021		10:00	ND	10.89	ND	18.06	NA	NA		
3/24/2021		9:02	ND	10.67	ND	17.93	NA	NA		
4/7/2021		9:30	ND	10.27	ND	18.01	NA	NA		
4/21/2021		9:36	ND	10.23	ND	18.00	NA	NA		
5/5/2021		9:35	ND	10.01	ND	17.97	NA	NA		
5/17/2021		9:45	ND	10.72	ND	17.94	NA	NA		
6/2/2021		11:20	ND	10.46	ND	17.96	NA	NA		
6/16/2021		9:45	ND	10.41	ND	18.04	NA	NA		
6/30/2021		9:10	ND	10.63	ND	18.02	NA	NA		
7/14/2021	8:50	ND	10.03	ND	17.98	NA	NA			
7/27/2021	8:23	ND	9.94	ND	18.07	NA	NA			

Table 1
Polychrome West
Yonkers, NY
Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments	
NW-11	10/7/2020	11:55	ND	4.13	21.71	22.80	NA	1.09	Pre-pumping measurement	
	10/14/2020	8:30	ND	5.70	ND	22.90	NA	ND	Post-pumping measurement ~3 gallons removed	
	10/21/2020	10:25	ND	4.12	ND	22.87	NA	NA		
	11/4/2020	8:25	ND	4.08	ND	22.73	NA	NA		
	11/18/2020	11:15	ND	4.11	Trace	23.36	NA	NA		
	12/1/2020	10:00	ND	3.95	Trace	22.81	NA	NA		
	12/16/2020	10:15	ND	4.09	Trace	22.85	NA	NA		
	12/29/2020	10:50	ND	4.01	ND	22.79	NA	NA		
	1/13/2021	10:10	ND	4.13	21.55	22.79	NA	1.24		
	1/14/2021	8:10	ND	4.13	21.44	22.71	NA	1.27	Pre-pumping measurement	
	1/14/2021	8:20	ND	4.46	ND	22.71	NA	NA	Post-pumping measurement ~5 gallons removed	
	1/27/2021	10:50	ND	4.24	22.70	23.00	NA	0.30		
	1/28/2021	8:45	ND	4.36	22.70	23.00	NA	0.30	Pre-pumping measurement	
	1/28/2021	8:55	ND	4.38	ND	23.00	NA	NA	Post-pumping measurement ~4 gallons removed	
	2/8/2021	10:55	ND	4.20	ND	22.80	NA	NA		
	2/24/2021	9:50	ND	4.09	22.48	22.98	NA	0.50		
	2/25/2021	8:20	ND	4.11	22.45	22.98	NA	0.53	Pre-pumping measurement	
	2/25/2021	8:25	ND	4.12	ND	22.97	NA	NA	Post-pumping measurement ~2 gallons removed	
	3/10/2021	11:30	ND	4.06	22.48	22.91	NA	0.43		
	3/11/2021	8:40	ND	4.08	22.34	22.91	NA	0.57	Pre-pumping measurement	
	3/11/2021	8:50	ND	6.51	ND	22.96	NA	NA	Post-pumping measurement ~2 gallons removed	
	3/24/2021	9:50	ND	3.78	ND	22.81	NA	NA		
	4/7/2021	9:35	ND	3.41	22.54	22.90	NA	0.36		
	4/8/2021	8:10	ND	3.48	22.65	22.90	NA	0.25		
	4/21/2021	9:45	ND	3.88	22.52	22.88	NA	0.36		
	4/22/2021	9:00	ND	3.91	22.49	22.88	NA	0.39		
	5/5/2021	10:55	ND	3.83	22.25	22.88	NA	0.63		
	5/6/2021	7:16	ND	3.84	22.60	22.88	NA	0.28		
	5/17/2021	10:21	ND	3.82	ND	22.86	NA	NA		
	6/2/2021	9:49	ND	3.80	21.84	22.89	NA	1.05		
	6/3/2021	8:40	ND	3.82	21.84	22.89	NA	1.05	Pre-pumping measurement	
	6/3/2021	8:50	ND	3.85	ND	22.91	NA	NA	Post-pumping measurement ~3 gallons removed	
	6/16/2021	10:25	ND	3.80	ND	22.74	NA	NA		
	6/30/2021	10:07	ND	3.86	ND	22.74	NA	NA		
	7/14/2021	9:20	ND	3.77	ND	22.96	NA	NA		
	7/27/2021	9:25	ND	3.83	21.83	22.93	NA	1.10		
	7/29/2021	8:10	ND	3.84	21.83	22.93	NA	1.10	Pre-pumping measurement	
	7/29/2021	8:25	ND	8.25	ND	22.93	NA	NA	Post-pumping measurement ~5.1 gallons removed	
	NW-12	10/7/2020	11:15	ND	3.75	ND	21.10	NA	NA	
		10/21/2020	8:50	ND	3.76	ND	21.25	NA	NA	
		11/4/2020	7:35	ND	3.86	ND	21.20	NA	NA	
		11/18/2020	10:20	ND	4.02	ND	21.89	NA	NA	
12/1/2020		9:20	ND	3.70	ND	21.29	NA	NA		
12/16/2020		9:05	ND	3.98	ND	21.13	NA	NA		
12/29/2020		9:05	ND	3.92	ND	21.14	NA	NA		
1/13/2021		9:45	ND	4.00	ND	21.55	NA	NA		
1/27/2021		8:55	ND	4.10	ND	21.25	NA	NA		
2/8/2021		10:15	ND	4.04	ND	NA	NA	NA	Bottom depth not measured.	
2/24/2021		9:10	ND	3.89	ND	21.18	NA	NA		
3/10/2021		10:40	ND	3.83	ND	21.33	NA	NA		
3/24/2021		9:28	ND	3.71	ND	21.23	NA	NA		
4/7/2021		9:40	ND	3.64	ND	21.16	NA	NA		
4/21/2021		9:50	ND	3.64	ND	21.23	NA	NA		
5/5/2021		10:05	ND	3.61	ND	21.17	NA	NA		
5/17/2021		9:55	ND	3.71	ND	21.15	NA	NA		
6/2/2021		9:39	ND	3.55	ND	21.21	NA	NA		
6/16/2021		9:35	ND	3.65	ND	21.14	NA	NA		
6/30/2021		9:05	ND	3.69	ND	21.16	NA	NA		
7/14/2021	9:15	ND	3.53	ND	21.19	NA	NA			
7/27/2021	8:38	ND	3.54	ND	21.11	NA	NA			
Notes:	Pre/post pumping event readings are bolded. LNAPL - Light Non-Aqueous Phase Liquid DNAPL - Dense Non-Aqueous Phase Liquid * - Estimated due to High Viscous DNAPL NA - Not Applicable NM - Not Measurable (High Viscosity)									

Table 2
Polychrome West
Yonkers, NY
 DNAPL Recovery Totals

Recovery Event	DNAPL Recovered Volume (gal)												Disposal Info		
	NW-1	NW-3	NW-4	NW-5	NW-6	NW-7	NW-8	NW-9	NW-10	NW-11	NW-12	Event Total	Date Generated	Off-Site Disposal Date	Disposal Location
2020 Total	NA	NA	NA	203	142	NA	37	0.5	88.5	35	NA	506	1/9/2020 – 12/30/2020	2/21/2020 – 2/11/2021	Veolia ES
Jan-21	NA	NA	NA	28	23	NA	2	1	6.5	9	NA	69.5	1/13, 1/14, 1/27, and 1/28	*2/11/2021	Veolia ES
Feb-21	NA	NA	NA	24	10	NA	1	NA	6	2	NA	43	2/8, 2/11, 2/24, and 2/25	3/26/2021	Veolia ES
Mar-21	NA	NA	NA	23	13	NA	1.5	NA	7	2	NA	46.5	3/10, 3/11, 3/24, and 3/25	4/20/2021	Veolia ES
Apr-21	NA	NA	NA	330	35	NA	2	NA	7	NA	NA	374	4/7, 4/8, 4/21, and 4/22	*4/20 and 5/3/2021	Veolia ES
May-21	NA	NA	NA	23	7	NA	1.75	NA	6	NA	NA	37.75	5/5, 5/6, 5/17, and 5/20	6/16/2021	Veolia ES
Jun-21	NA	NA	NA	30	26.25	NA	2.25	NA	10.5	3	NA	72	6/2, 6/3, 6/30	6/16/2021 and Pending	Veolia ES
Jul-21	NA	NA	NA	20	39.5	NA	1	NA	6.5	5.1	NA	72.1	7/1, 7/14, 7/15, 7/27, 7/29		Veolia ES
TOTAL TO DATE:												1220.85	gallons		

Notes: * On July 8, 2021, Veolia ES disposed of 55 gallons of DNAPL, including the 11.75 gallons of DNAPL that were generated at NW-5, NW-6, NW-8, and NW-10 on May 5, 6, 17, and 20, 2021 and 43.25 gallons of DNAPL that were generated at NW-5, NW-6, NW-8, NW-10, and NW-11 on June 2, 3, 16, 17, and 30, 2021. The remaining 28.75 gallons of DNAPL that were generated at NW-5, NW-6, NW-8, NW-10, and NW-11 on June 2, 3, 16, 17, and 30, 2021 and the 72.1 gallons of DNAPL that were generated at NW-5, NW-6, NW-8, NW-10, and NW-11 on July 1, 14, 15, 27, and 29, 2021 are currently pending off-site disposal.

NA - Not Applicable

ATTACHMENT A – EASTERN & VEOLIA MANIFESTS

NON-HAZARDOUS WASTE MANIFEST 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 631-677-5700 4. Waste Tracking Number

5. Generator's Name and Mailing Address: Avalon Yonkers Subsite, 137-14594 Alexander St., Yonkers, NY
 Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Eastern Environmental Solutions, Inc. U.S. EPA ID Number: NYR000135624
 7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cleanwater of New York, 3749 Richmond Terrace, Staten Island, NY
 Facility's Phone: U.S. EPA ID Number:

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non-Hazardous, Non-RCRA Solids	001	DM	75	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

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: MANUEL TRIAS Signature: [Signature] Month: 07 Day: 01 Year: 21

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: Jay Slann Signature: [Signature] Month: 07 Day: 01 Year: 21

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) 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: Alexan Acarbo Signature: [Signature] Month: Day: Year:

GENERATOR
INTL
TRANSPORTER
DESIGNATED FACILITY



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Please print or type.

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD001833847

2. Page 1 of 1

3. Emergency Response Phone: (212) 818-0087

4. Manifest Tracking Number: 001885942 VES

5. Generator's Name and Mailing Address:
AVALON SUN SITES LLC
 1499 POST ROAD
 FAIRFIELD, CT 06424
 Generator's Phone: 203-415-7200

Generator's Site Address (if different than mailing address):
 137-145 ALEXANDER STREET
 POLYCHROME WEST
 YORKERS, NY 10701

6. Transporter 1 Company Name: **VEOLIA ES TECHNICAL SOLUTIONS**

7. Transporter 2 Company Name:

U.S. EPA ID Number: NYD080631369

8. Designated Facility Name and Site Address:
VEOLIA ES TECHNICAL SOLUTIONS
 L.L.C.
 1 EDEN LANE
 FLANDERS, NJ 07836

Facility's Phone: 973-247-7111

U.S. EPA ID Number:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit (ML/Vol)	13. Waste Codes	
		No.	Type				
X	UN1992, WASTE FLAMMABLE LIQUID, TOXIC, H.O.S., (XYLENE, TRICHLOROPROPANE), 3 (6.1), II, RQ (DD01)	1	DM	400		DD01	B
X	UN1995, WASTE FLAMMABLE LIQUID, H.O.S., (BENZENE, COAL TAR), 3, II				P	DD01	B
	Did not ship 7/18/21				P	DD01	B

14. Special Handling Instructions and Additional Information:
 Agency authority on initial transporter to add or substitute additional transporters on generator's behalf + 1) W-973068 A-MARFB
 ER Service Contracted by VESTE + Contract retained by generator confers

15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement (certified in 40 CFR 262.27(a); if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: **W Jordan Franklin**

Signature: *[Signature]* Month Day Year: 10 20 21

16. International Shipments: Import to U.S. Export from U.S.

Port of export: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: **Nick Landers**

Signature: *[Signature]* Month Day Year: 7 18 21

Transporter 2 Printed/Typed Name: _____

Signature: _____ Month Day Year: _____

18. Discrepancy

18a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection

18b. Alternate Facility (or Generator): _____ Manifest Reference Number: _____ U.S. EPA ID Number: _____

Facility's Phone: _____

18c. Signature of Alternate Facility (or Generator): _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. **AKU** 2. _____ 3. _____ 4. _____

20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18c

Printed/Typed Name: **Eric Stone** Signature: *[Signature]* Month Day Year: 7 18 21

GENERATOR

TRANSPORTER INTL

TRANSPORTER

DESIGNATED FACILITY