



Environmental, Planning, and Engineering Consultants

34 South Broadway
Suite 401
White Plains, NY 10601
tell: 914 949-7336
fax: 914 949-7559
www.akrf.com

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 East Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360098

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 East site [Brownfield Cleanup Program (BCP) Site No. C360098] located at 80-94 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 July 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 2021, no on-Site excavation activities below the final cover system occurred.
- On July 14 and 27, 2021, DNAPL gauging was conducted at NW-3 and NW-4, and monthly gauging was conducted at MW-A, MW-B, MW-C, MW-D, NW-1, NW-2, NW-3, NW-4, and NW-5. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the July 2021 monitoring events in NW-3 and NW-4 as summarized below and detailed in the attached Table 1.

Recovery Well ID	DNAPL Thickness 7/14/21 (feet)	DNAPL Thickness 7/27/21 (feet)
NW-3	1.44	1.38
NW-4	0.62	0.21

Note: Measured DNAPL thicknesses are estimated.

- On July 1, 15, and 29, AKRF performed oversight during DNAPL removal, which was completed by Eastern Environmental of Manorville, New York (Eastern). Measurable DNAPL was removed from recovery well NW-3 (~13.6 gallons total) utilizing a vacuum truck to apply vacuum on an internal 1-inch pipe within the recovery well. DNAPL was removed at NW-4 (~5.1 gallons) on July 15, 2021; however, less than 0.5 feet of measurable DNAPL was detected during the July 27, 2021, gauging event (i.e., no DNAPL recovery required). The recovered DNAPL was containerized in a Department of Transportation (DOT)-approved 55-gallon drum, labeled as hazardous waste, and staged on-Site in Grid Cell E2 (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 15, 2021, NYSDEC issued the Periodic Review Report (PRR) acceptance letter to AKRF and AVB.
- A total of approximately 18.7 gallons of DNAPL were recovered during the reporting period. Since DNAPL removal activities began in December 2019, a total of 386.7 gallons of DNAPL have been removed. DNAPL recovery totals are summarized in Table 2.

The following work is planned for August 2021:

- 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;
- General site work above the Site-Wide Cover System;
- 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 personal protective equipment and field supplies.

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

Sincerely,
AKRF, Inc.

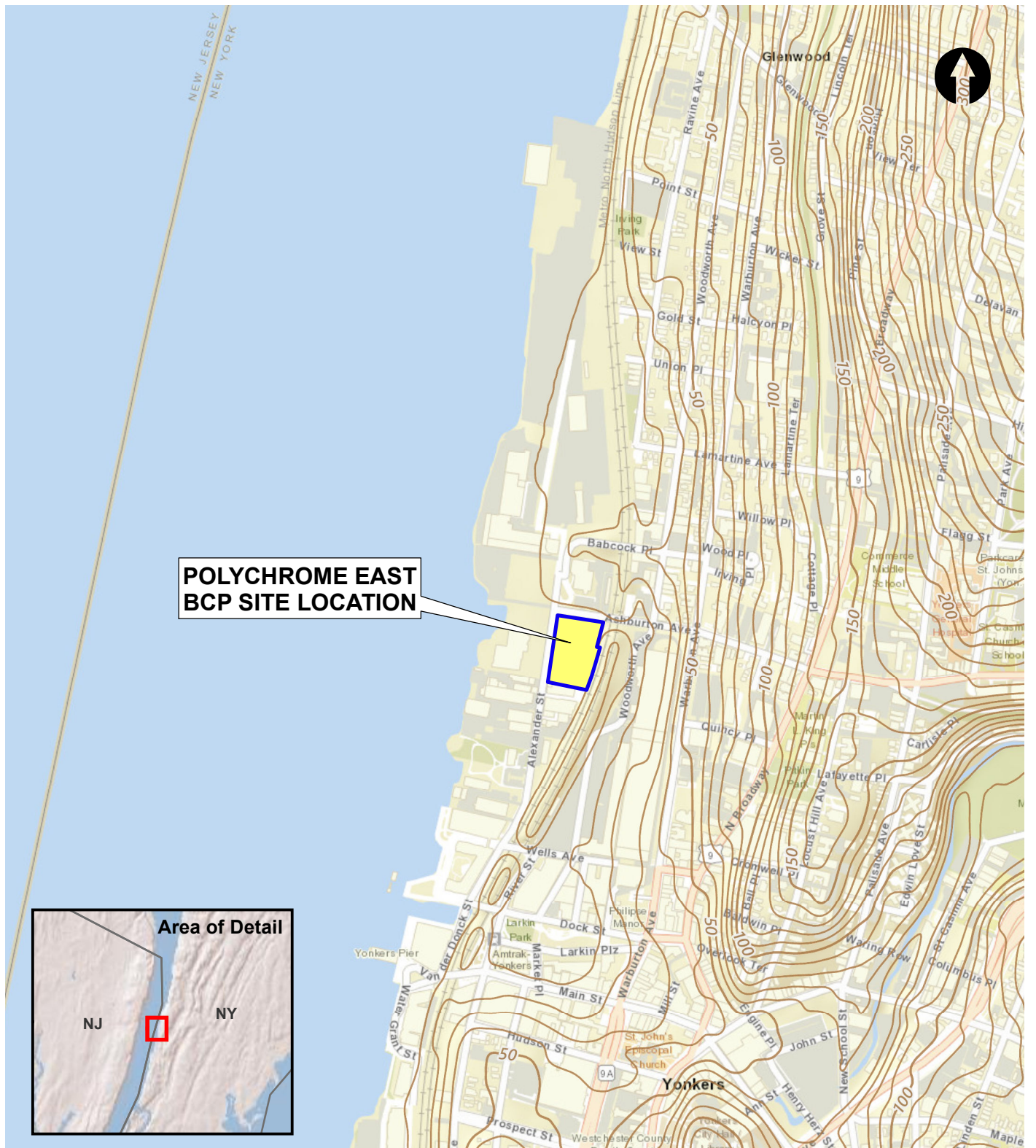


Patrick McHugh, P.E.
Environmental Engineer

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 East Well Gauging Measurements
 Table 2 – Polychrome East DNAPL Recovery Totals

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

©2019 AKRF Q:\Projects\180132 - AVALONBAY YONKERS - BLD 3 - PCE\Technical\GIS and Graphics\Hazmat\FER180132_Fig_1_site_loc_map.mxd 12/19/2019 3:07:42 PM mveilleux



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.

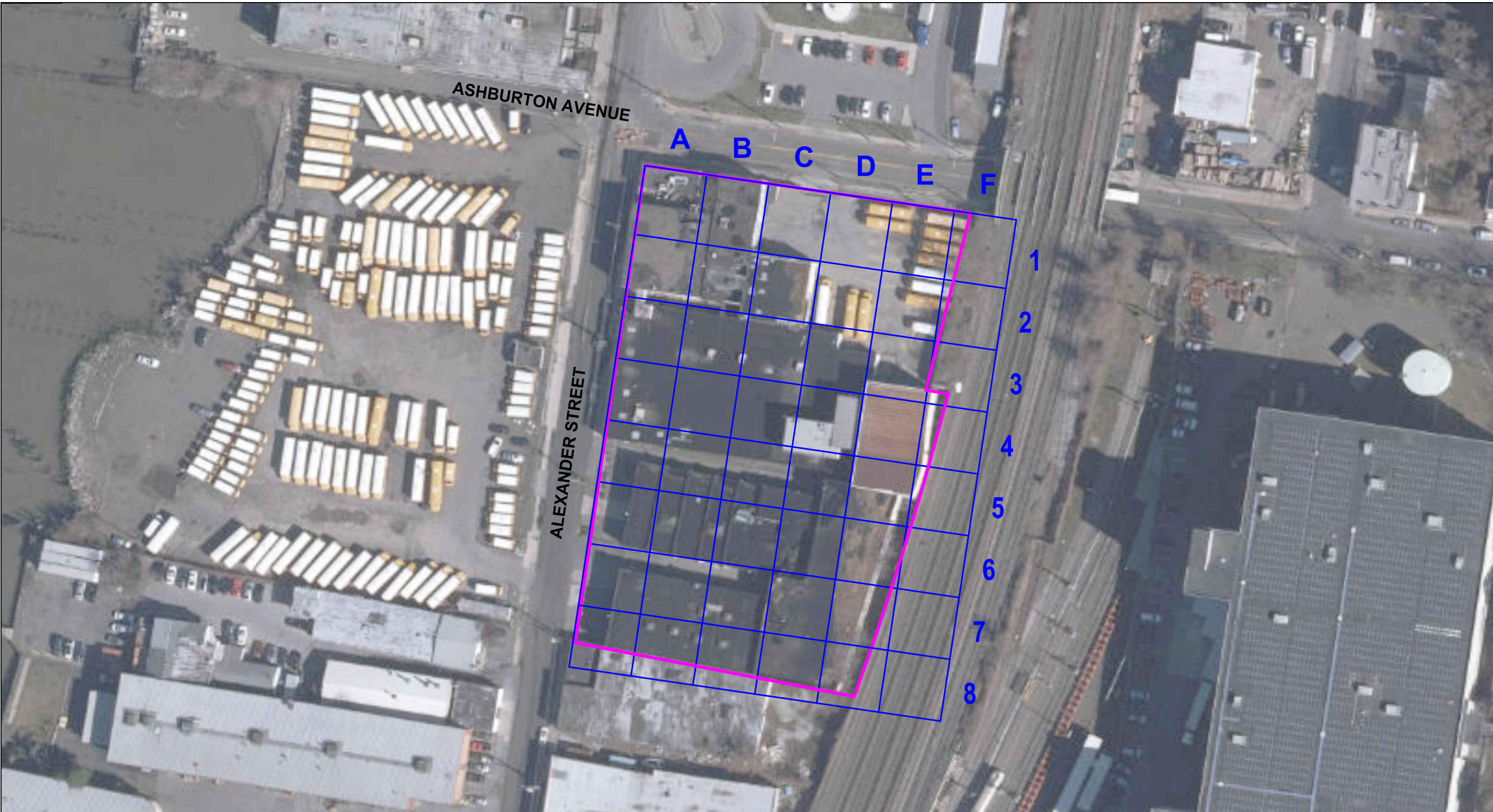


34 S. Broadway #401, White Plains, NY 10601


**Polychrome East
NYSDEC Site (BCP #C360098)
Yonkers, New York**

SITE LOCATION MAP

DATE	12/19/2019
PROJECT NO.	180132
FIGURE	1



LEGEND
 PROJECT SITE BOUNDARY

A
 ALPHANUMERIC GRID

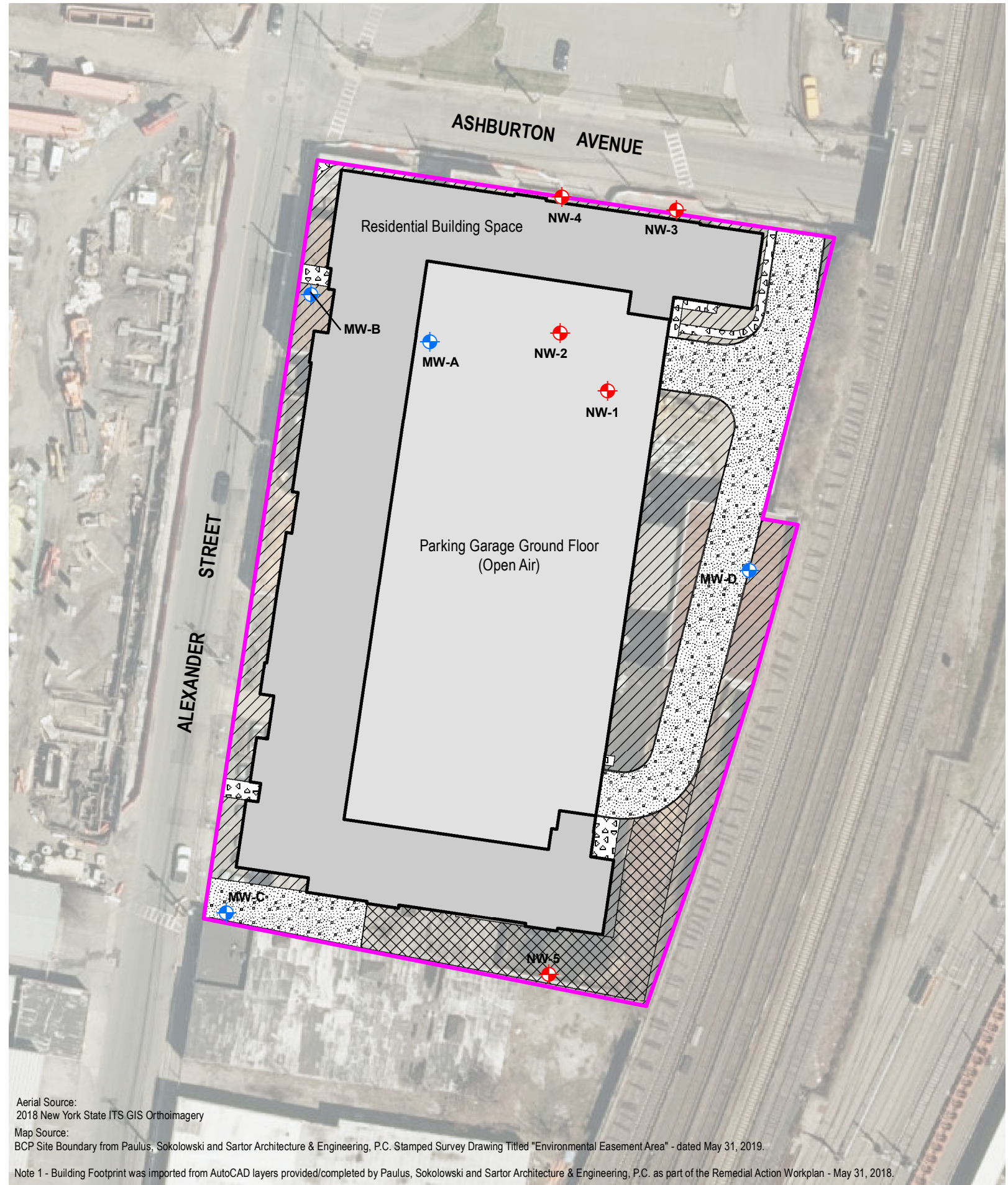


C360098 - Polychrome East
 80-94 Alexander Street, Yonkers, New York

SITE PLAN WITH REFERENCE GRID

DATE	7/18/2018
PROJECT NO.	180132
FIGURE	2

©2019 AKRF, C:\Projects\180132 - AVALONBAY YONKERS - BLD 3 - PCE\Technical\GIS and Graphics\Hazmat\FER180132_Fig 7 NAPL Recovery and GW Wells.mxd 12/20/2019 8:37:10 AM 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 was imported from AutoCAD layers provided/completed by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. as part of the Remedial Action Workplan - May 31, 2018.

LEGEND

- BCP SITE BOUNDARY
- RESIDENTIAL BUILDING SPACE
- PARKING GARAGE (OPEN AIR)
- SIDEWALK
- GRASS PAVER
- ASPHALT
- LANDSCAPED
- NAPL RECOVERY WELL LOCATION
- GROUNDWATER MONITORING WELL LOCATION



Table 1
 Polychrome East
 Yonkers, NY
 Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (FL)	Depth to Water (FL)	Depth to DNAPL (FL)	Total Depth (FL)	LNAPL Thickness (FL)	DNAPL Thickness (FL)	Comments
MW-A	10/7/2020	10:10	ND	9.92	ND	15.50	NA	NA	
	10/21/2020	7:35	ND	9.54	ND	15.45	NA	NA	
	11/4/2020	5:25	ND	9.53	ND	15.60	NA	NA	
	11/18/2020	8:10	ND	9.63	ND	16.12	NA	NA	
	12/1/2020	8:55	ND	9.43	ND	15.51	NA	NA	
	12/16/2020	7:30	ND	8.55	ND	15.48	NA	NA	
	12/29/2020	7:30	ND	9.58	ND	15.52	NA	NA	
	1/13/2021	8:15	ND	9.72	ND	15.56	NA	NA	
	1/27/2021	7:15	ND	9.93	ND	15.12	NA	NA	
	2/8/2021	7:30	ND	9.60	ND	15.50	NA	NA	
	2/24/2021	12:50	ND	9.47	ND	15.50	NA	NA	
	3/10/2021	9:00	ND	9.85	ND	15.56	NA	NA	
	3/24/2021	8:36	ND	9.92	ND	15.56	NA	NA	
	4/7/2021	7:45	ND	9.77	ND	15.50	NA	NA	
	4/21/2021	8:30	ND	9.65	ND	15.51	NA	NA	
	5/5/2021	9:10	ND	9.51	ND	15.46	NA	NA	
	5/17/2021	8:05	ND	9.69	ND	15.44	NA	NA	
	6/2/2021	8:37	ND	9.48	ND	15.46	NA	NA	
	6/16/2021	9:19	ND	9.37	ND	15.58	NA	NA	
	6/30/2021	8:10	ND	9.63	ND	15.55	NA	NA	
7/14/2021	7:47	ND	8.80	ND	15.57	NA	NA		
7/27/2021	7:38	ND	8.45	ND	15.48	NA	NA		
MW-B	10/7/2020	9:50	ND	6.76	ND	16.62	NA	NA	
	10/21/2020	7:45	ND	6.00	ND	16.25	NA	NA	
	11/4/2020	5:30	ND	6.08	ND	16.33	NA	NA	
	11/18/2020	8:15	ND	6.17	ND	16.31	NA	NA	
	12/1/2020	9:00	ND	5.67	ND	16.29	NA	NA	
	12/16/2020	7:35	ND	6.09	ND	16.18	NA	NA	
	12/29/2020	7:35	ND	5.92	ND	16.23	NA	NA	
	1/13/2021	8:00	ND	6.14	ND	16.31	NA	NA	
	1/27/2021	7:20	ND	6.38	ND	16.34	NA	NA	
	2/8/2021	7:50	ND	6.32	ND	17.31	NA	NA	
	2/24/2021	7:15	ND	6.16	ND	16.29	NA	NA	
	3/10/2021	9:10	ND	6.24	ND	16.29	NA	NA	
	3/24/2021	8:32	ND	6.36	ND	16.19	NA	NA	
	4/7/2021	7:50	ND	6.10	ND	16.23	NA	NA	
	4/21/2021	8:35	ND	5.82	ND	16.23	NA	NA	
	5/5/2021	9:03	ND	5.62	ND	16.20	NA	NA	
	5/17/2021	8:10	ND	6.00	ND	16.19	NA	NA	
	6/2/2021	8:42	ND	5.44	ND	16.19	NA	NA	
	6/16/2021	9:10	ND	5.35	ND	16.32	NA	NA	
	6/30/2021	7:55	ND	5.73	ND	16.38	NA	NA	
7/14/2021	7:35	ND	4.79	ND	16.26	NA	NA		
7/27/2021	7:30	ND	4.54	ND	16.29	NA	NA		
MW-C	10/7/2020	9:55	ND	6.91	ND	13.83	NA	NA	
	10/21/2020	7:55	ND	6.52	ND	13.84	NA	NA	
	11/4/2020	5:40	ND	6.45	ND	13.91	NA	NA	
	11/18/2020	8:25	ND	6.59	ND	14.19	NA	NA	
	12/1/2020	9:05	ND	6.31	ND	13.84	NA	NA	
	12/16/2020	7:40	ND	6.50	ND	13.85	NA	NA	
	12/29/2020	7:40	ND	6.27	ND	13.60	NA	NA	
	1/13/2021	8:05	ND	6.49	ND	13.71	NA	NA	
	1/27/2021	7:25	ND	6.70	ND	13.93	NA	NA	
	2/8/2021	8:00	ND	6.69	ND	13.86	NA	NA	
	2/24/2021	7:20	ND	6.58	ND	13.92	NA	NA	
	3/10/2021	9:15	ND	6.26	ND	13.88	NA	NA	
	3/24/2021	8:41	ND	6.78	ND	13.82	NA	NA	
	4/7/2021	7:55	ND	6.61	ND	13.82	NA	NA	
	4/21/2021	8:40	ND	6.31	ND	13.82	NA	NA	
	5/5/2021	9:05	ND	6.23	ND	13.84	NA	NA	
	5/17/2021	8:15	ND	6.45	ND	13.75	NA	NA	
	6/2/2021	8:47	ND	6.01	ND	13.78	NA	NA	
	6/16/2021	9:03	ND	5.79	ND	13.91	NA	NA	
	6/30/2021	8:00	ND	6.15	ND	13.89	NA	NA	
7/14/2021	7:40	ND	5.39	ND	13.91	NA	NA		
7/27/2021	7:33	ND	5.48	ND	13.90	NA	NA		
MW-D	10/7/2020	10:05	ND	7.90	ND	15.60	NA	NA	
	10/21/2020	8:00	ND	7.71	ND	15.65	NA	NA	
	11/4/2020	5:45	ND	7.41	ND	15.69	NA	NA	
	11/18/2020	8:30	ND	7.41	ND	15.98	NA	NA	
	12/1/2020	9:10	ND	7.23	ND	15.72	NA	NA	
	12/16/2020	7:45	ND	7.17	ND	15.57	NA	NA	
	12/29/2020	7:45	ND	7.13	ND	15.60	NA	NA	
	1/13/2021	8:10	ND	7.40	ND	15.70	NA	NA	
	1/27/2021	7:30	ND	7.44	ND	15.62	NA	NA	
	2/8/2021	8:15	ND	7.72	ND	15.63	NA	NA	
	2/24/2021	7:30	ND	7.59	ND	15.59	NA	NA	
	3/10/2021	9:25	ND	7.23	ND	15.54	NA	NA	
	3/24/2021	8:29	ND	7.51	ND	15.53	NA	NA	
	4/7/2021	8:00	ND	7.35	ND	15.58	NA	NA	
	4/21/2021	8:45	ND	7.14	ND	15.59	NA	NA	
	5/5/2021	9:07	ND	7.19	ND	15.56	NA	NA	
	5/17/2021	8:20	ND	7.20	ND	15.54	NA	NA	
	6/2/2021	8:53	ND	6.94	ND	15.56	NA	NA	
	6/16/2021	9:14	ND	6.54	ND	15.64	NA	NA	
	6/30/2021	8:05	ND	7.07	ND	15.66	NA	NA	
7/14/2021	7:43	ND	6.06	ND	15.56	NA	NA		
7/27/2021	7:35	ND	6.41	ND	15.56	NA	NA		

Table 1
Polychrome East
Yonkers, NY
 Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (FL)	Depth to Water (FL)	Depth to DNAPL (FL)	Total Depth (FL)	LNAPL Thickness (FL)	DNAPL Thickness (FL)	Comments	
NW-1	10/7/2020	10:30	ND	9.30	ND	27.03	NA	NA		
	10/21/2020	8:35	ND	9.06	ND	27.08	NA	NA		
	11/4/2020	6:30	ND	8.90	ND	27.00	NA	NA		
	11/18/2020	10:15	ND	8.93	ND	28.22	NA	NA		
	12/1/2020	9:55	ND	8.70	ND	27.05	NA	NA		
	12/16/2020	8:50	ND	8.77	ND	26.89	NA	NA		
	12/29/2020	8:40	ND	8.59	ND	26.97	NA	NA		
	1/13/2021	8:25	ND	8.89	ND	26.98	NA	NA		
	1/27/2021	8:40	ND	8.95	ND	26.98	NA	NA		
	2/8/2021	9:35	ND	9.08	ND	27.02	NA	NA		
	2/24/2021	8:40	ND	8.98	ND	26.97	NA	NA		
	3/10/2021	9:50	ND	8.76	ND	27.04	NA	NA		
	3/24/2021	8:53	ND	8.92	ND	27.04	NA	NA		
	4/7/2021	8:50	ND	8.81	ND	27.62	NA	NA		
	4/21/2021	8:50	ND	8.43	ND	27.02	NA	NA		
	5/5/2021	9:12	ND	8.55	ND	26.96	NA	NA		
	5/17/2021	9:15	ND	8.61	ND	26.90	NA	NA		
	6/2/2021	9:04	ND	8.16	ND	26.91	NA	NA		
	6/16/2021	9:19	ND	8.02	ND	27.19	NA	NA		
	6/30/2021	9:16	ND	8.39	ND	26.99	NA	NA		
	7/14/2021	8:35	ND	7.54	ND	26.97	NA	NA		
	7/27/2021	7:43	ND	7.51	ND	26.85	NA	NA		
	NW-2	10/7/2020	10:55	ND	9.11	ND	24.62	NA	NA	
		10/21/2020	8:30	ND	9.01	ND	24.73	NA	NA	
		11/4/2020	6:40	ND	9.00	ND	24.77	NA	NA	
		11/18/2020	10:10	ND	9.06	ND	25.69	NA	NA	
12/1/2020		9:50	ND	8.82	ND	24.82	NA	NA		
12/16/2020		8:55	ND	8.86	ND	24.66	NA	NA		
12/29/2020		8:45	ND	8.79	ND	24.68	NA	NA		
1/13/2021		8:20	ND	9.93	ND	24.72	NA	NA		
1/27/2021		8:45	ND	8.99	ND	24.66	NA	NA		
2/8/2021		9:40	ND	9.24	ND	24.71	NA	NA		
2/24/2021		8:50	ND	9.06	ND	24.56	NA	NA		
3/10/2021		9:55	ND	8.98	ND	24.68	NA	NA		
3/24/2021		8:50	ND	8.99	ND	24.62	NA	NA		
4/7/2021		8:10	ND	8.87	ND	24.54	NA	NA		
4/21/2021		8:55	ND	8.58	ND	24.61	NA	NA		
5/5/2021		9:15	ND	8.59	ND	25.61	NA	NA		
5/17/2021		9:10	ND	8.77	ND	24.54	NA	NA		
6/2/2021		9:04	ND	8.44	ND	24.53	NA	NA		
6/16/2021		9:25	ND	8.19	ND	24.66	NA	NA		
6/30/2021		9:12	ND	8.50	ND	24.63	NA	NA		
7/14/2021		8:40	ND	7.66	ND	24.57	NA	NA		
7/27/2021		7:41	ND	7.76	ND	24.57	NA	NA		
10/7/2020		11:45	ND	6.30	16.01	18.58	NA	2.57	Pre-pumping measurement	
10/14/2020		8:00	ND	6.20	ND	18.40	NA	NA	Post-pumping measurement -4 gallons removed	
10/21/2020		10:10	ND	6.26	15.04	18.63	NA	3.59	Pre-pumping measurement	
10/21/2020		12:45	ND	6.26	ND	18.63	NA	NA	Post-pumping measurement -5 gallons removed	
11/4/2020		8:00	ND	6.30	15.55	18.72	NA	3.17	Pre-pumping measurement	
11/5/2020		8:15	ND	6.35	ND	18.74	NA	NA	Post-pumping measurement -4 gallons removed	
11/18/2020		11:05	ND	7.42	16.14	18.96	NA	2.82		
11/19/2020		7:45	ND	7.41	16.12	18.95	NA	2.83	Pre-pumping measurement	
11/19/2020		8:00	ND	7.43	ND	18.97	NA	NA	Post-pumping measurement -10 gallons removed	
12/1/2020		10:30	ND	6.11	15.40	18.69	NA	3.29	Pre-pumping measurement	
12/2/2020		8:35	ND	6.09	ND	18.72	NA	NA	Post-pumping measurement -30 gallons removed	
12/16/2020	10:30	ND	6.21	16.25	18.68	NA	2.43	Pre-pumping measurement		
12/18/2020	9:45	ND	6.40	ND	18.62	NA	NA	Post-pumping measurement -3 gallons removed		
12/29/2020	10:30	ND	6.20	17.70	18.65	NA	0.95			
12/30/2020	8:15	ND	6.19	17.70	18.65	NA	0.95	Pre-pumping measurement		
12/30/2020	8:45	ND	6.17	ND	18.65	NA	NA	Post-pumping measurement -3 gallons removed		
1/13/2021	9:55	ND	6.18	15.21	18.65	NA	3.44			
1/14/2021	7:40	ND	6.18	15.05	18.65	NA	3.60	Pre-pumping measurement		
1/14/2021	7:50	ND	6.54	ND	18.65	NA	NA	Post-pumping measurement -5 gallons removed		
1/27/2021	10:25	ND	6.36	16.40	18.73	NA	2.33			
1/28/2021	7:50	ND	6.60	16.40	18.73	NA	2.33	Pre-pumping measurement		
1/28/2021	7:55	ND	6.70	ND	18.73	NA	NA	Post-pumping measurement -4 gallons removed		
2/8/2021	10:30	ND	6.35	16.91	18.60	NA	1.69			
2/11/2021	9:45	ND	6.36	16.95	18.60	NA	1.65	Pre-pumping measurement		
2/11/2021	10:00	ND	6.40	ND	18.60	NA	NA	Post-pumping measurement -3 gallons removed		
2/24/2021	10:00	ND	6.30	16.75	18.59	NA	1.84			
2/25/2021	7:40	ND	6.32	16.75	18.59	NA	1.84	Pre-pumping measurement		
2/25/2021	7:45	ND	6.33	ND	18.60	NA	NA	Post-pumping measurement -3 gallons removed		
3/10/2021	11:10	ND	6.26	16.42	18.70	NA	2.28			
3/11/2021	7:55	ND	6.25	16.22	18.70	NA	2.28	Pre-pumping measurement		
3/11/2021	8:10	ND	6.26	ND	18.71	NA	NA	Post-pumping measurement -3 gallons removed		
3/24/2021	9:43	ND	6.28	17.55	18.60	NA	1.05			
3/25/2021	8:20	ND	6.19	17.45	18.61	NA	1.16	Pre-pumping measurement		
3/25/2021	8:30	ND	6.18	ND	18.64	NA	NA	Post-pumping measurement -4 gallons removed		
4/7/2021	8:15	ND	6.22	17.74	18.69	NA	0.95			
4/8/2021	6:50	ND	6.21	17.68	18.69	NA	NA	Pre-pumping measurement		
4/8/2021	7:44	ND	6.26	ND	18.65	NA	NA	Post-pumping measurement -6.5 gallons removed		
4/21/2021	9:00	ND	6.16	17.79	18.64	NA	0.85			
4/22/2021	7:20	ND	6.18	17.40	18.64	NA	1.24	Pre-pumping measurement		
4/22/2021	7:40	ND	6.21	ND	18.64	NA	NA	Post-pumping measurement -9 gallons removed		
5/5/2021	10:20	ND	6.21	16.75	18.63	NA	1.88			
5/6/2021	8:00	ND	6.22	17.81	18.63	NA	0.82	Pre-pumping measurement		
5/6/2021	8:45	ND	6.24	ND	18.64	NA	NA	Post-pumping measurement -9 gallons removed		
5/17/2021	10:10	ND	6.19	16.80	18.65	NA	1.85			
5/20/2021	8:00	ND	6.20	16.77	18.64	NA	1.87	Pre-pumping measurement		
5/20/2021	8:20	ND	6.26	ND	18.68	NA	NA	Post-pumping measurement -5 gallons removed		
6/2/2021	10:10	ND	6.03	16.31	18.64	NA	2.33			
6/3/2021	7:45	ND	6.00	16.30	18.64	NA	2.34	Pre-pumping measurement		
6/3/2021	8:00	ND	6.06	ND	18.64	NA	NA	Post-pumping measurement -5.5 gallons removed		
6/16/2021	10:15	ND	6.00	16.51	18.71	NA	2.20			
6/17/2021	7:15	ND	6.02	16.50	18.67	NA	2.17	Pre-pumping measurement		
6/17/2021	7:55	ND	6.05	ND	18.67	NA	NA	Post-pumping measurement -1.5 gallons removed		
6/30/2021	10:25	ND	6.15	17.10	18.72	NA	1.62			
7/1/2021	7:25	ND	6.15	17.10	18.72	NA	1.62	Pre-pumping measurement		
7/1/2021	7:30	ND	6.18	ND	18.72	NA	NA	Post-pumping measurement -3.4 gallons removed		
7/14/2021	10:00	ND	5.73	17.29	18.73	NA	1.44			
7/15/2021	8:15	ND	6.05	17.30	18.71	NA	1.41	Pre-pumping measurement		
7/15/2021	8:45	ND	6.15	ND	18.71	NA	NA	Post-pumping measurement -4.25 gallons removed		
7/27/2021	9:50	ND	5.76	17.30	18.68	NA	1.38			
7/29/2021	7:20	ND	6.14	17.30	18.68	NA	1.38	Pre-pumping measurement		
7/29/2021	7:35	ND	6.23	ND	18.68	NA	NA	Post-pumping measurement -5.95 gallons removed		

Table 1
 Polychrome East
 Yonkers, NY
 Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (FL)	Depth to Water (FL)	Depth to DNAPL (FL)	Total Depth (FL)	LNAPL Thickness (FL)	DNAPL Thickness (FL)	Comments
NW-4	10/7/2020	11:35	ND	7.41	16.21	17.23	NA	1.02	Pre-pumping measurement
	10/14/2020	7:50	ND	7.33	ND	17.33	NA	NA	Post-pumping measurement -4 gallons removed
	10/21/2020	9:50	ND	7.27	17.15	17.26	NA	0.11	
	11/4/2020	7:45	ND	7.37	16.07	17.33	NA	1.26	Pre-pumping measurement
	11/5/2020	8:00	ND	7.37	ND	17.35	NA	NA	Post-pumping measurement -2 gallons removed
	11/18/2020	10:55	ND	7.48	16.25	17.86	NA	1.61	
	11/19/2020	8:15	ND	7.46	16.27	17.84	NA	1.57	Pre-pumping measurement
	11/19/2020	8:30	ND	7.48	ND	17.87	NA	NA	Post-pumping measurement -5 gallons removed
	12/1/2020	10:40	ND	7.17	16.65	17.30	NA	0.65	Pre-pumping measurement
	12/2/2020	8:05	ND	7.14	ND	17.32	NA	NA	Post-pumping measurement -5 gallons removed
	12/16/2020	10:50	ND	7.35	16.75	17.32	NA	0.57	Pre-pumping measurement
	12/18/2020	9:30	ND	7.40	ND	17.35	NA	NA	Post-pumping measurement -3 gallons removed
	12/29/2020	10:20	ND	7.31	16.30	17.35	NA	1.05	
	12/30/2020	7:15	ND	7.28	16.29	17.35	NA	1.06	Pre-pumping measurement
	12/30/2020	7:45	ND	7.25	ND	17.36	NA	NA	Post-pumping measurement -5 gallons removed
	1/13/2021	9:50	ND	7.38	16.34	17.35	NA	1.01	
	1/14/2021	7:15	ND	7.42	16.35	17.35	NA	1.00	Pre-pumping measurement
	1/14/2021	7:35	ND	7.91	ND	17.35	NA	NA	Post-pumping measurement -5 gallons removed
	1/27/2021	10:40	ND	7.55	16.25	17.45	NA	1.20	
	1/28/2021	7:30	ND	7.60	16.25	17.45	NA	1.20	Pre-pumping measurement
	1/28/2021	7:45	ND	7.78	ND	17.45	NA	NA	Post-pumping measurement -4 gallons removed
	2/8/2021	10:50	ND	7.48	16.80	17.40	NA	0.60	
	2/11/2021	9:30	ND	7.50	16.80	17.38	NA	0.58	Pre-pumping measurement
	2/11/2021	9:40	ND	7.60	ND	17.40	NA	NA	Post-pumping measurement -2 gallons removed
	2/24/2021	10:10	ND	7.46	16.68	17.39	NA	0.71	
	2/25/2021	7:50	ND	7.46	16.65	17.39	NA	0.74	Pre-pumping measurement
	2/25/2021	7:55	ND	7.47	ND	17.40	NA	NA	Post-pumping measurement -2 gallons removed
	3/10/2021	11:20	ND	7.45	17.04	17.40	NA	0.38	
	3/11/2021	7:30	ND	7.49	16.66	17.40	NA	0.74	Pre-pumping measurement
	3/11/2021	7:36	ND	7.55	ND	17.39	NA	NA	Post-pumping measurement -2 gallons removed
	3/24/2021	9:36	ND	7.48	17.21	17.41	NA	0.20	
	3/25/2021	7:55	ND	7.39	17.18	17.38	NA	0.20	Pre-pumping measurement
	3/25/2021	8:10	ND	7.08	ND	17.39	NA	NA	Post-pumping measurement -2 gallons removed
	4/7/2021	8:20	ND	7.22	17.30	17.40	NA	0.10	
	4/8/2021	6:45	ND	7.22	17.30	17.40	NA	0.10	Pre-pumping measurement
	4/8/2021	7:29	ND	7.31	ND	17.43	NA	NA	Post-pumping measurement -1.5 gallons removed
	4/21/2021	9:05	ND	7.14	17.29	17.40	NA	0.11	
	4/22/2021	8:10	ND	7.17	17.11	17.40	NA	0.29	Pre-pumping measurement
	4/22/2021	8:15	ND	7.36	ND	17.39	NA	NA	Post-pumping measurement -3 gallons removed
	5/5/2021	10:25	ND	7.00	17.11	17.35	NA	0.24	
	5/6/2021	7:45	ND	7.04	17.20	17.35	NA	0.15	Pre-pumping measurement
	5/6/2021	8:30	ND	7.08	ND	17.36	NA	NA	Post-pumping measurement -3 gallons removed
	5/17/2021	10:00	ND	7.08	16.82	17.29	NA	0.47	
	5/20/2021	7:20	ND	7.11	16.82	17.29	NA	0.47	Pre-pumping measurement
	5/20/2021	7:40	ND	7.15	ND	17.33	NA	NA	Post-pumping measurement -3 gallons removed
	6/2/2021	9:55	ND	6.85	16.80	17.29	NA	0.49	
	6/3/2021	7:15	ND	6.83	16.81	17.29	NA	0.48	Pre-pumping measurement
6/3/2021	7:25	ND	6.88	ND	17.30	NA	NA	Post-pumping measurement -2.5 gallons removed	
6/16/2021	10:05	ND	6.91	17.04	17.29	NA	0.25		
6/30/2021	10:15	ND	6.99	17.35	17.42	NA	0.07		
7/14/2021	10:15	ND	6.63	16.80	17.42	NA	0.62		
7/15/2021	7:45	ND	6.92	16.80	17.42	NA	0.62	Pre-pumping measurement	
7/15/2021	8:00	ND	6.71	ND	17.42	NA	NA	Post-pumping measurement -5.1 gallons removed	
7/27/2021	10:00	ND	5.80	17.20	17.41	NA	0.21		
NW-5	10/7/2020	10:20	ND	7.95	ND	10.55	NA	NA	
	10/21/2020	8:40	ND	7.67	ND	10.50	NA	NA	
	11/4/2020	6:50	ND	7.27	ND	10.62	NA	NA	
	11/18/2020	6:50	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	12/1/2020	9:45	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	12/16/2020	8:30	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	12/29/2020	8:50	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	1/13/2021	10:00	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	1/27/2021	8:35	ND	7.48	ND	10.70	NA	NA	
	2/8/2021	9:50	ND	7.72	ND	10.57	NA	NA	
	2/24/2021	8:30	ND	7.50	ND	10.56	NA	NA	
	3/10/2021	9:40	ND	7.19	ND	10.55	NA	NA	
	3/24/2021	8:45	ND	7.45	ND	10.46	NA	NA	
	4/7/2021	8:25	ND	4.35	ND	10.49	NA	NA	
	4/21/2021	9:10	ND	4.06	ND	10.51	NA	NA	
5/5/2021	9:19	ND	7.20	ND	10.42	NA	NA		
5/17/2021	9:05	ND	7.20	ND	10.42	NA	NA		
6/2/2021	8:53	ND	6.73	ND	10.44	NA	NA		
6/16/2021	9:31	ND	6.45	ND	10.40	NA	NA		
6/30/2021	8:45	ND	7.10	ND	10.55	NA	NA		
7/15/2021	8:30	ND	5.84	ND	10.56	NA	NA		
7/27/2021	8:07	ND	6.33	ND	10.38	NA	NA		

Notes: Pre/post pumping event readings are bolded.
 LNAPL - Light Non-Aqueous Phase Liquid
 DNAPL - Dense Non-Aqueous Phase Liquid
 NA - Not Applicable

Table 2
Polychrome East
Yonkers, NY
DNAPL Recovery Totals

Recovery Event	DNAPL Recovered Volume (gal)						Disposal Info		
	NW-1	NW-2	NW-3	NW-4	NW-5	Event Total	Date Generated	Off-Site Disposal Date	Disposal Location
Dec-19	NA	NA	1.5	7	NA	8.5	12/31/2019	2/21/2020	Veolia ES
2020 Total	NA	NA	149.5	121.5	NA	271	1/9/2020 – 12/30/2020	2/21/2020 – 2/11/2021	Veolia ES
Jan-21	NA	NA	9	9	NA	18	1/14, 1/28	2/11/2021	Veolia ES
Feb-21	NA	NA	6	4	NA	10	2/11, 2/25	5/3/2021	Veolia ES
Mar-21	NA	NA	7	4	NA	11	3/11, 3/25	5/3/2021	Veolia ES
Apr-21	NA	NA	15.5	4.5	NA	20	3/11, 3/25	5/3/2021	Veolia ES
May-21	NA	NA	14	6	NA	20	5/6, 5/20	Pending	Veolia ES
Jun-21	NA	NA	7	2.5	NA	9.5	6/2, 6/17	Pending	Veolia ES
Jul-21	NA	NA	13.6	5.1	NA	18.7	7/1, 7/15, 7/29	Pending	Veolia ES
TOTAL TO DATE:						386.7	gallons		

Notes: * On May 3, 2021, Veolia ES disposed of 10 gallons of DNAPL generated at NW-3 and NW-4 on February 11 and 25, 2021, 11 gallons of DNAPL that were generated at NW-3 and NW-4 on March 11 and 25, 2021, and 20 gallons of DNAPL that were generated at NW-3 and NW-4 on April 8 and 22, 2021. The remaining 20 gallons of DNAPL that were generated on May 6 and 20, 2021, 9.5 gallons of DNAPL that were generated on June 3 and 17, 2021, and 18.7 gallons of DNAPL that were generated on July 1, 15, and 29, 2021 are currently pending off-site disposal.

DNAPL - Dense Non-Aqueous Phase Liquid

NA - Not Applicable