



Environmental, Planning, and Engineering Consultants

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July 19, 2021

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

Re: Progress Report – June 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 June 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 June 2, 3, 16, 17, and 30, 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 June 2021, no on-Site excavation activities below the final cover system occurred.
- On June 2, 16, and 30, 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 June 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 6/2/2021 (feet)	DNAPL Thickness 6/16/2021 (feet)	DNAPL Thickness 6/30/2021 (feet)
NW-5	8.14	8.63	8.67
NW-6	6.31	5.53	5.10
NW-8	0.89	0.72	3.15
NW-10	4.42	3.86	1.19
NW-11	1.05	ND	ND

ND – No Detection

Note: Measured DNAPL thicknesses are estimated.

- On June 2, 16, and 30, 2021, AKRF performed DNAPL removal activities with a 2-inch submersible pump and dedicated tubing at recovery wells NW-8 (~2.25 gallons total) and NW-10 (~10.5 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 June 3 and 17, 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 (~30 gallons total) and NW-6 (~26.25 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 (~3 gallons) on June 3, 2021; however, no measurable DNAPL was detected with the oil/water interface probe on the June 16, 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 June 16, 2021, Veolia Environmental Services (VES) picked up one drum of DNAPL generated during the April and May 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 Periodic Review Report (PRR).
- On June 28, 2021, NYSDEC issued the Polychrome West PRR Acceptance Letter to AKRF and AVB.
- On June 29, 2021, NYSDEC submitted a letter to AKRF and AVB titled “*DNAPL Recovery Options/Site Management Activities*”, which outlined a request by NYSDEC for a work plan to increase NAPL recovery at NW-5 and NW-6.
- On June 30, 2021, Brookside Environmental removed one drum of decontamination wash water 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 PRR for 2021.
- A total of approximately 72 gallons of DNAPL were recovered during the reporting period and a total of 642.75 gallons of DNAPL have been recovered year to date. Since DNAPL removal activities began in January 2020, a total of 1,148.75 gallons of DNAPL have been removed, transported, and disposed of. DNAPL recovery totals are summarized in Table 2.

The following work is planned for July 2021:

- AKRF anticipates completing DNAPL gauging and removal in July 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.

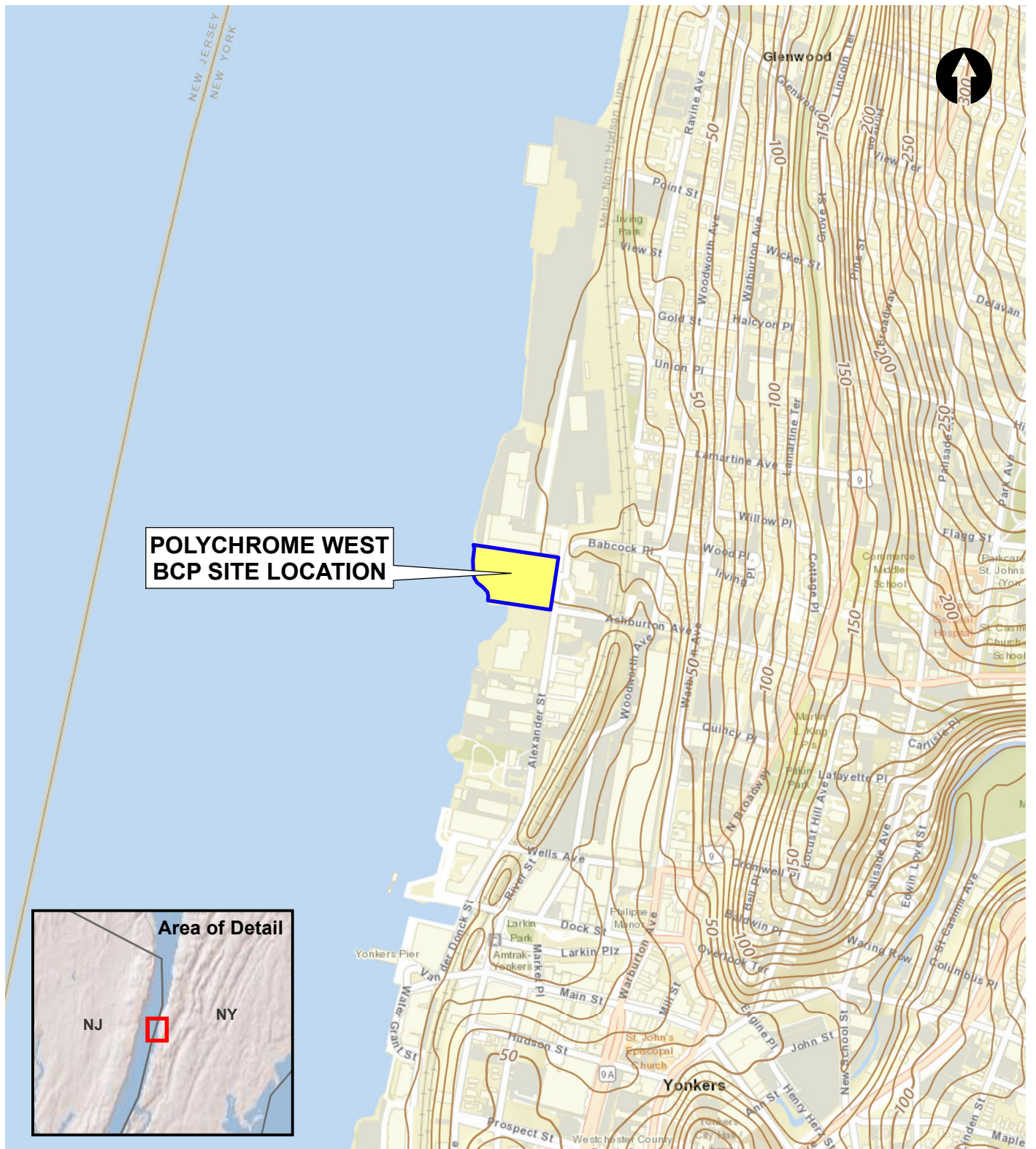


Patrick McHugh, P.E.
Environmental Engineer

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 – Veolia & Brookside 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\180017 - AVALONBAY YONKERS - BLD 2 - PCW\Technical\GIS and Graphics\Hazmat\FER180017 Fig 1 site loc map.mxd/25/2019 3:39:54 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 West
NYSDEC Site (BCP #C360099)
Yonkers, New York

SITE LOCATION MAP

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

©2018 AKRF, Inc Q:\Projects\40566 - AVALONBAY YONKERSTechnical\Hazmat\CAD\40566 Fig 2 WC Grid (Polychrome West).dwg last save: mvelieux 1/5/2018 2:34 PM



Aerial Source:
2014 New York Statewide Digital Orthoimagery.



LEGEND

PROJECT SITE BOUNDARY

1



ALPHANUMERIC GRID



Polychrome West Site
BCP Site C360099
Yonkers, New York



440 Park Avenue South, New York, NY 10016

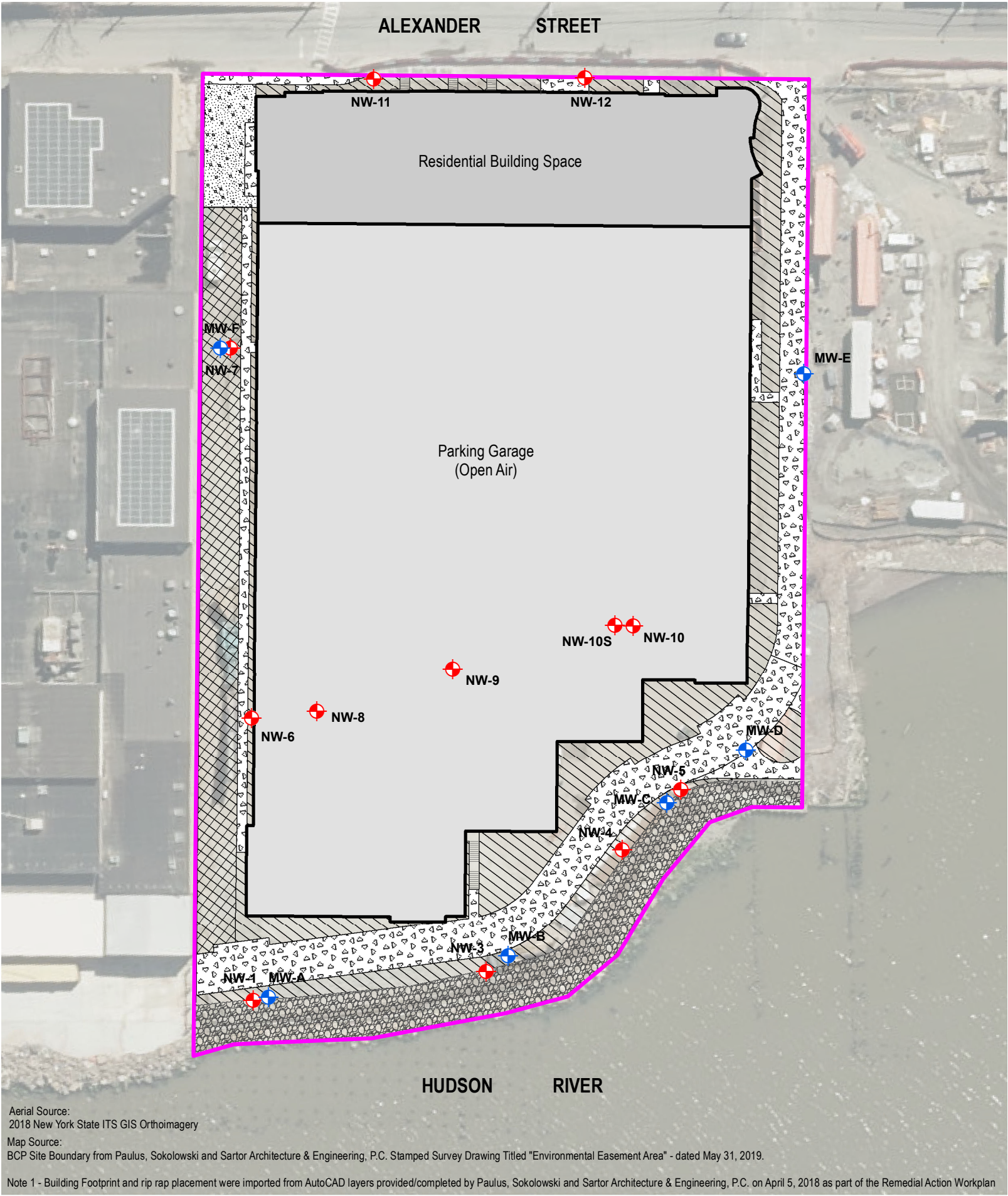
SITE PLAN WITH REFERENCE GRID

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 mveilleux



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

AKRF
440 Park Avenue South, New York, NY 10016

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	
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	
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	
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	
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	

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-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	Innaccessible due to snow coverage
	2/24/2021	8:15	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/10/2021	8:50	NA	NA	NA	NA	NA	NA	Innaccessible due to snow coverage
	3/24/2021	8:19	ND	9.45	ND	17.60	NA	NA	Innaccessible 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	
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	20.4	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	
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	Innaccessible due to snow coverage
	2/24/2021	9:45	NA	NA	NA	NA	NA	NA	Innaccessible 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	

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-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	
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	

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-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	
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
NW-9	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	

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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
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	
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	

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-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	

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
TOTAL TO DATE:												1148.75	gallons		

Notes: * On June 16, 2021, Veolia ES disposed of 55 gallons of DNAPL, including 29 gallons of DNAPL that were generated at NW-5, NW-6, NW-8, and NW-10 on April 7, 8, 21, and 22, 2021 and 26 gallons of DNAPL that were generated at NW-5, NW-6, NW-8, and NW-10 on May 5, 6, 17, and 20, 2021. The remaining 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 72 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 are currently pending off-site disposal.

DNAPL - Dense Non-Aqueous Phase Liquid
 NA - Not Applicable

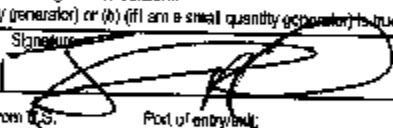
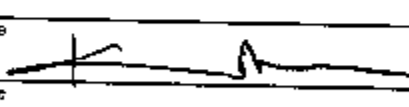
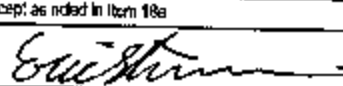
ATTACHMENT A – VEOLIA & BROOKSIDE MANIFESTS



6

Please print or type.

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number N Y D 0 0 1 8 3 3 8 4 7		2. Page 1 of 1		3. Emergency Response Phone (877) 818-0087		4. Manifest Tracking Number 001885896 VES		
5. Generator's Name and Mailing Address AVALON SUN SITES LLC 1499 POST ROAD FAIRFIELD, CT 06424						Generator's Site Address (if different from mailing address) 137-145 ALEXANDER STREET POLYCHROME WEST YONKERS, NY 10701				
6. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS						U.S. EPA ID Number N J D 0 8 0 6 3 1 3 6 2				
7. Transporter 2 Company Name						U.S. EPA ID Number				
8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS L.L.C. 1 EDEN LANE FLANDERS, NY 07336						U.S. EPA ID Number				
Facility's Phone: 973-247-7111						N J D 0 8 0 5 3 6 5 9 1				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Vol./Vol.	13. Waste Codes	
	1	UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s., BENZENE, COAL TAR, 3, II RQ (D001) (ES)			1		DM	400	P	D001 B
	2									D018
	3									
	4									
14. Special Handling Instructions and Additional Information ER Service Contracted by VESTS - Contract retained by generator confirms agency authority on initial transporter to add or substitute additional transporters on generator's behalf - 1) W: 797344 A; MARPULPH1										
15. GENERATOR/SOFFEROR'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 identified 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 Name's Printed/Typed Name: Rosa Signature:  Month: 6 Day: 16 Year: 21										
TRANSPORTER	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/built: Date leaving U.S.:									
	17. Transporter Acknowledgment of Receipt of Materials									
	Transporter 1 Printed/Typed Name: Kenneth Patel Signature:  Month: 6 Day: 16 Year: 21									
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:										
DESIGNATED FACILITY	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) Month: Day: Year:									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1. HM 2. 3. 4.										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a										
Printed/Typed Name: Eric Stiner Signature:  Month: 6 Day: 16 Year: 21										

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

Not required

2. Page 1 of

1

3. Emergency Response Phone

631-608-8810

4. Waste Tracking Number

63021-2481

5. Generator's Name and Mailing Address

Avalon Yonkers Sun Sites, LLC
1499 Post Road
Fairfield CT 06824

Generator's Phone: 201 694-3957

Generator's Site Address (if different than mailing address)

Polychrome West
137-145 Alexander Street
Yonkers NY 10701

6. Transporter 1 Company Name

Brookside Environmental, Inc.

U.S. EPA ID Number

NYR000081661

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Clean Water of New York
3249 Richmond Terrace
Staten Island NY 10303

Facility's Phone: 718 981-4600

U.S. EPA ID Number

NYD000968545

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total
Quantity12. Unit
Wt./Vol.

1. Non-regulated waste, liquid

001

DM

00055

G

2.

3.

4.

13. Special Handling Instructions and Additional Information

1) Purged groundwater. Approval # 237-238

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

X Melissa Morales

X Melissa Morales

6 30 21

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

UGAR Bravo

[Signature]

6 30 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:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Mathew Walling

[Signature]

7 16 21