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February 13, 2017
File No. 12.0076485.00

Via email: yukyin.wong@dec.ny.gov
Mr. Bryan Wong
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101

Re: Project Status Report
Former NuHart Plastic Manufacturing Site # 224136
280 Franklin Street
Brooklyn, New York

Dear Mr. Wong:

Goldberg Zoino and Associates of New York, PC d/b/a GZA GeoEnvironmental of New York is transmitting this Project Status Report on behalf of Dupont Street Developers, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Dawn Hettrick of the New York State Department of Health. The Project Status Report is for December 2017 to January 2018. If you have any questions, please contact us at 973-774-3302 or 973-774-3307.

Sincerely,
GZA GeoEnvironmental of New York,

Steven Roland, P.E.
Senior Consultant

David M. Winslow, Ph.D., P.G.
Principal

Ernest R. Hanna, P.E.
Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov
Dupont Street Developers, LLC Email: bojinzhu@gmail.com
Joseph Brunner Email: yb321@yahoo.com
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This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in January 2017. Activities during this period were conducted by GZA GeoEnvironmental, of New York. (GZA). GZA representatives also participated in Site evaluations and communications, and additional activities were conducted by others, as noted below. A Site Plan showing the general Site layout, nearby area, and associated wells is included as Figure 1. Schedule information is presented under each activity discussion.

Interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site were performed during the monitoring period in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by GZA on January 31st, 2018. A table documenting the apparent LNAPL thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL based on the monitoring date is provided as **Figure 1**.

Maintenance Activities

General maintenance activities were performed, including collection of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials as needed to contain LNAPL, and proper labeling of waste containers used during this IRM event. On January 31st, 2018, Miller Environmental Group, Inc (Miller) replaced the high level switch associated with the recovery system RW-12. The RW-12 was powered on immediately after the repair. Because Miller ordered the wrong size belt, associated with RW-8, Miller will revisit the site to fix the RW-8 when the new order is received. We will advise DEC once notified and include details in the next report.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was conducted on January 31st, 2018. Well gauging was conducted from 7:55 am to 16:30 pm. Flood tides were observed with high tide at 9:05 am and Low tide at 3:19 pm. (ref. NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY). The wells that could not be accessed are noted on **Attachment A**. All wells containing LNAPL are noted, as are wells where LNAPL is absent. No changes were noted in the horizontal extent of the LNAPL. The depths to the water table were variable relative to the depths noted in the November 2017 status report, with some wells showing increases and some wells showing decreases. LNAPL apparent thicknesses were also variable, with increases generally noted in wells where the depth to water increased and decreases noted in wells where the depth to water decreased.

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Based on previous LNAPL estimates, an estimated 2,767 gallons of product have been removed from the subsurface since early 2015, with most of the LNAPL disposed. The removed LNAPL is stored in intermediate bulk container (IBC) tanks located in the Site building, pending pickup and offsite disposal. When the IBC tanks are nearly full and/or the containerized spent absorbent materials require disposal, the designated waste management company will be contacted and waste disposal requested.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. Waste removal was conducted on August 11, 2017 and included removal of approximate 500 gallons of product for proper offsite disposal. To date, Eastern has transported and disposed an estimated 2,616 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The executed manifest will be provided in the next monthly report. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Langan is planning the next phase of construction at the nearby Greenpoint Landing project and are proposing dewatering activities similar that conducted in 2016. GZA reviewed information provided by Langan for GW dewatering adjacent to the NuHart site and has provided input on monitoring to be conducted during construction.

Feasibility Study

GZA submitted a Thermal Treatability and In-Situ Chemical Oxidation Study Work Plan to NYSDEC on May 22nd, 2017. The NYSDEC provided the comments regarding this work plan on July 7th, 2017. GZA have collected the pilot study samples on September 20st through September 22nd, and October 3rd, 2017. The thermal portion of the pilot study is completed; The chemical oxidization portion of the pilot study is still in process. GZA has prepared a memo to summarize the thermal portion of the treatability study and submitted to NYSDEC on January 19th, 2018. The final report which include the chemical oxidation results is under development and pending authorization by the owner.

Site Soil Management Report

Pursuant to a request by the NYSDEC, GZA prepared the Site Soil Management Plan (SSMP) on October 28, 2016 to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. SSMP was followed during the pilot study sampling event.

Attachments

Attachment A – Apparent Thickness of LNAPL

Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Readings taken 1/31/18 between 7:55 am and 16:30 pm (high tide @ 9:05 am and Low tide @ 3:19 pm)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																																		
			2018	2017												2016												2015										
			Jan-18	Nov-17	Oct-17	Sep-17	Aug-17	Jul-17	Jun-17	May-17	Apr-17	Mar-17	Feb-17	Jan-17	Dec-16	Nov-16	Oct-16	Sep-16	Aug-16	Jul-16	Jun-16	May-16	Apr-16	Mar-16	Feb-16	Jan-16	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15
MW – 4	12.38	13.3	0.92	2.12	0.81	1.76	1.73	1.23	1.77	ND*	1.32	1.61	1.13	1.31	1.30	1.00	1.18	1.35	1.71	1.73	1.80	1.53	1.73	1.43	1.85	1.77	1.96	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—
MW – 5	10.88	15.53	4.65	5.83	2.19	4.44	4.4	3.71	3.54	2.81	2.80	3.13	4.05	3.00	3.55	4.43	3.64	3.22	4.31	4.03	4.29	3.07	3.18	3.14	1.85	3.24	4.83	5.41	4.16	4.26	4.45	4.22	2.30	2.41	2.55	3.10	4.40
MW – 6	10.69	—	##	##	1.22	3.19	3.15	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##
MW – 7	11.08	14.40	3.32	4.91	1.48	1.45	1.41	0.9	0.00	1.50	1.92	2.53	3.71	1.28	0.78	1.73	0.91	0.04	1.89	1.58	2.22	2.11	1.90	1.66	2.31	2.47	3.44	3.31	2.58	1.46	1.28	0.99	1.58	ND	1.94	1.79	##
MW – 8	ND	10.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 12	ND	7.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 13	ND	8.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 14	ND	9.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	11.52	14.68	3.16	1.78	0.31	0.29	0.26	0.26	0.24	0.12	0.22	0.28	0.40	0.31	0.20	0.80	0.20	0.17	0.81	0.07	0.48	0.22	0.71	0.03	0.04	0.60	3.08	3.07	1.97	1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71
MW – 16	12.32	12.66	0.34	0.25	0.35	0.37	0.35	0.08	0.28	0.03	0.10	0.23	0.20	0.31	ND	ND	ND	ND	ND	0.01	0.25	0.02	0.01	0.02	0.16	0.02	0.11	0.02	0.12	0.05	0.05	0.14	0.13	0.15	0.03	0.08	0.02
MW – 20	11.58	14.73	3.15	3.99	2.52	2.58	2.63	2.9	2.83	2.61	2.94	2.33	3.02	3.02	2.88	3.28	2.90	3.16	2.89	2.88	2.85	2.22	2.49	2.43	1.99	2.46	3.52	3.02	3.33	3.25	3.12	2.88	2.58	2.79	3.84	4.38	5.13
MW – 21	12.44	16.27	3.83	4.79	3.26	3.35	2.13	1.45	2.75	3.31	3.30	3.04	3.62	7.59	3.27	3.32	1.25	2.39	3.61	2.96	2.95	2.63	4.18	2.68	2.42	2.97	4.46	3.85	4.51	3.63	3.32	2.97	2.53	2.77	2.98	3.46	3.23
MW – 22	13.21	13.58	0.37	1.77	1.25	1.24	1.21	0.75	0.66	0.66	0.78	0.64	0.65	0.50	0.51	0.38	0.30	0.01	0.51	0.87	0.62	0.45	0.48	0.44	0.15	0.22	1.33	1.01	0.49	1.17	1.04	0.79	0.86	0.84	0.74	1.33	1.27
MW – 23	ND	12.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	11.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	11.21	14.87	3.66	4.54	4.03	4.05	4.02	3.73	4.09	3.85	3.70	3.74	3.47	3.89	3.62	3.60	4.20	3.79	3.65	4.01	3.75	3.55	3.33	3.42	3.32	3.43	3.68	3.53	3.63	3.53	3.68	3.53	2.81	3.24	3.36	1.07	1.03
MW – 26	11.26	15.21	3.95	5.59	3.81	3.82	3.79	3.65	3.42	3.29	3.73	3.64	3.24	3.14	3.20	3.56	4.00	3.28	4.26	3.58	3.82	3.41	3.37	2.97	3.82	3.41	4.23	4.08	3.77	4.00	3.70	3.65	3.18	3.33	3.64	4.14	4.11
MW – 27	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	12.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	12.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	10.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	10.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 32	ND	10.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	12.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	15.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	11.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	DRY	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	10.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 39	ND	9.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	8.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	10.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	11.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	9.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	12.97	16.98	4.01	5.19	0.56	0.58	0.53	6.09	6.25	0.42	1.13	2.90	3.09	3.53	1.65	1.18	1.26	1.35	1.88	2.05	2.41	3.02	2.12	3.34	2.70	2.83	4.28	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52
RW – 3	16.03	ND	ND	3.31	3.17	3.15	3.22	2.28	3.44	2.85	2.71	3.46	2.98	3.10	1.91	3.95	2.40	2.50	3.08	1.97	2.49	1.64	2.17	2.09	1.64	2.37	4.27	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81	3.28	3.41
RW – 4	13.17	16.23	3.06	4.32	4.33	4.17	4.18	3.1	4.1	03.69	3.65	3.69	3.67	3.05	3.80	2.80	2.77	3.30	2.73	2.65	2.32	2.02	2.22	2.93	2.03	2.51	2.82	2.31	1.99	1.09	2.02	3.65	3.66	3.53	3.53	1.43	1.35
RW – 5	12.86	13.35	0.49	4.49	5.28	5.27	5.26	5.42	3.75	5.00	5.44	5.10	0.70	2.95	1.55	3.05	0.42	0.36	0.50	4.97	2.76	2.47	2.66	3.21	2.53	1.92	1.96	5.64	4.18	2.03	5.79	4.87	4.69	4.75	0.70	0.85	0.91
RW – 6	11.51	14.12	2.61	1.64	0.73	0.6	1.61	0.93	5.35	1.05	1.27	1.22	0.90	0.90	0.85	0.68	0.87	0.92	1.46	1.29	0.81	0.67	0.73	0.74	0.76	0.74	0.77	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.71	1.19	1.14
RW – 8 **	14.81	16.8	1.99	—	1.15	2.2	3.62	1.2	2.34	0.02	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.14	2.93	2.92
RW – 9	14.33	18.65	4.32	5.58	3.72	3.77	3.69	2.84	3.25	2.70	2.69	3.50	3.66	2.47	3.09	3.57	2.45	2.35	3.19	2.15	3.18	2.75	3.09	3.81	2.42	3.46	4.62	4.37	3.52	2.68	3.23	3.04	4.82	4.79	4.28	5.68	5.65
RW – 10	13.12	17.76	4.64	4.28	3.65	3.67	3.71	3.67	3.78	4.07	3.79	4.27	4.70	4.15	3.86	3.45	3.80	3.36	4.44	3.91	3.69	3.74	3.66	3.67	4.69	4.77	4.46	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04
RW – 11	14.38	19.39	5.01	5.5	2.97	4.57	3.93	2.33	3.00	2.92	3.00	3.55	3.73	2.65	1.90	2.04	2.43	2.12	3.66	2.98	3.43	3.08	2.94	3.05	2.45	3.07	4.65	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97
RW– 12 **	14.02	15.52	1.5	5.96	3.65	5.4	2.68	0.01	0.03	0.01	0.02	0.80	3.89	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= :LNAPL observed, apparent thickness not determinded
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation

Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry**
**** = Well equipped with automated product recovery system**

__= Data not recorded due to access issues
Wells were gauged on January 31, 2018

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	2014									2013										2012			
	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12
MW – 4	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW – 5	4.79	5.03	1.97	3.39	—	3.14	2.80	2.98	—	6.46	7.17	5.54	##	5.08	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW – 6	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW – 7	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW – 8	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	2.19	2.32	##	0.45	—	0.61	0.30	0.38	—	3.11	3.19	3.34	##	2.14	0.70	–	0.32	1.07	–	1.56	0.99	0.76	2.67
MW – 16	—	0.03	0.99	Trace	—	0.01	0.01	0.10	—	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW – 20	1.87	1.71	2.92	2.06	—	1.47	2.90	2.58	4.19	5.07	4.90	4.11	##	3.33	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW – 21	3.62	4.64	4.90	1.99	—	2.69	2.47	2.48	3.37	3.13	3.72	4.66	##	4.37	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW – 22	1.03	1.02	0.54	0.85	—	0.74	0.86	0.75	1.22	1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW – 23	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.16	4.02	3.65	3.48	—	3.91	3.75	—	—	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW – 26	3.84	3.70	4.50	3.02	—	2.71	3.48	3.80	4.34	4.44	4.47	4.62	##	4.18	3.69	2.86	2.33	1.00	2.45	1.62	–	2.61	4.02
MW – 27	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 30	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 31	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 32	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 34	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 35	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 36	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 37	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 38	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 39	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 40	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND
RW – 2	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW – 3	3.50	3.45	3.56	4.12	—	1.58	2.90	2.28	4.60 (est)	3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW – 4	2.78	2.88	##	2.86	—	1.81	3.25	3.27	2.45	2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95	—	3.45	3.35
RW – 5	0.85	0.43	0.17	0.17	—	0.12	0.93	0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	—	—	—	2.35	3.00	1.88	–
RW – 6	0.71	0.64	0.78	0.79	—	0.45	1.28	0.96	0.41	0.94	1.30	0.67	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW – 8 **	4.01	4.48	##	2.95	—	0.65	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	—	—	—	—	—	—	—	—
RW – 9	4.81	4.59	4.92	4.14	—	1.02	2.90	2.71	4.34	5.25	4.88	3.08	##	4.09	2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW – 10	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—
RW – 11	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usi
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-

Well-34 has uneve
est= Estimated Val
*** = Well was dry**
**** = Well equipped**

__= Data not recor
Wells were gauged

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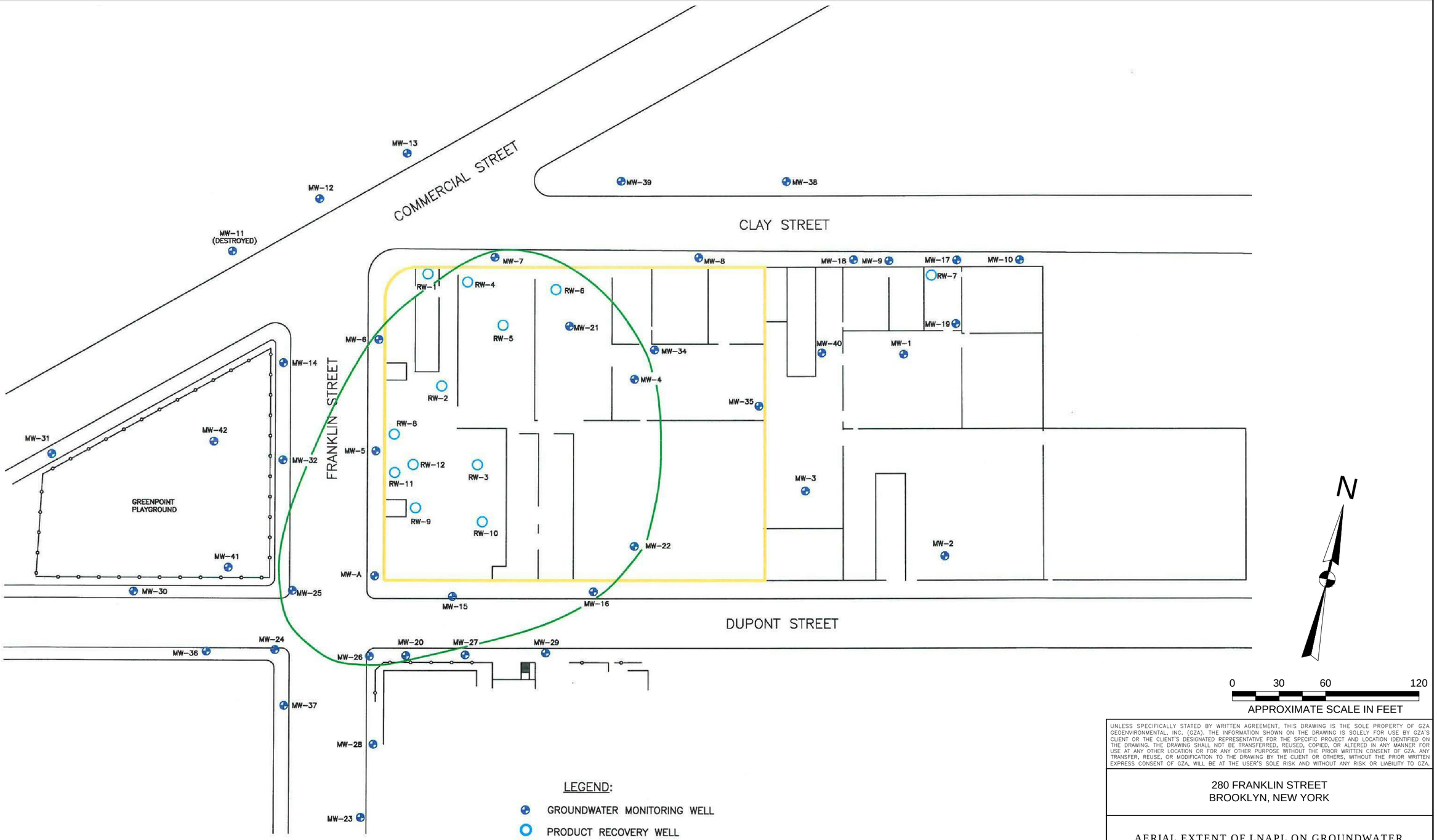

LEGEND:

- GROUNDWATER MONITORING WELL
- PRODUCT RECOVERY WELL
- IHWDS BOUNDARY
- EXTENT OF LNAPL ON GROUNDWATER

NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY DUPONT STREET DEVELOPERS, LLC, ENTITLED "AERIAL EXTENT OF LNAPL ON GROUNDWATER," DATED MARCH 23, 2015, ORIGINAL SCALE 1" = 60'.

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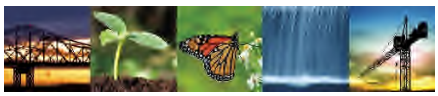
280 FRANKLIN STREET
BROOKLYN, NEW YORK

AERIAL EXTENT OF LNAPL ON GROUNDWATER

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: DUPONT STREET DEVELOPERS, LLC	
PROJ MGR: JB	REVIEWED BY: ZS	CHECKED BY: JB	FIGURE 1
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 60'	
DATE: AUGUST 2016	PROJECT NO. 12.0076485.00	REVISION NO.	SHEET NO.



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March 13, 2018
File No. 12.0076485.00

Via email: yukyin.wong@dec.ny.gov
Mr. Bryan Wong
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101

Re: Project Status Report
Former NuHart Plastic Manufacturing Site # 224136
280 Franklin Street
Brooklyn, New York

Dear Mr. Wong:

Goldberg Zoino and Associates of New York, PC d/b/a GZA GeoEnvironmental of New York is transmitting this Project Status Report on behalf of Dupont Street Developers, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Dawn Hettrick of the New York State Department of Health. The Project Status Report is for January 2018 to February 2018. If you have any questions, please contact us at 973-774-3302 or 973-774-3307.

Sincerely,
GZA GeoEnvironmental of New York,

Steven J. Roland
Steven Roland, P.E.
Senior Consultant

David M. Winslow, Ph.D., P.G.
Principal

Ernest R. Hanna
Ernest R. Hanna, P.E.
Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov
Dupont Street Developers, LLC Email: bojinzhu@gmail.com
Joseph Brunner Email: yb321@yahoo.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
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This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in February 2018. Activities during this period were conducted by GZA GeoEnvironmental, of New York. (GZA). GZA representatives also participated in Site evaluations and communications, and additional activities were conducted by others, as noted below. A Site Plan showing the general Site layout, nearby area, and associated wells is included as Figure 1. Schedule information is presented under each activity discussion.

Interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site were performed during the monitoring period in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by GZA on February 27th, 2018. A table documenting the apparent LNAPL thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL based on the monitoring date is provided as **Figure 1**.

Maintenance Activities

General maintenance activities were performed, including collection of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials as needed to contain LNAPL, and proper labeling of waste containers used during this IRM event. On February 27, 2018, Miller Environmental Group, Inc (Miller) replaced the belt associated with the recovery system RW-8. The RW-8 was powered on immediately after the repair. Both recovery systems were observed to be functioning appropriately following the repair. DEC was advised via email that the system was now operational.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was conducted on February 27th, 2018. Well gauging was conducted from 7:55 am to 14:30 pm. Flood tides were observed with high tide at 7:05 am and Low tide at 1:17 pm. (ref. NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY). The wells that could not be accessed are noted on **Attachment A**. All wells containing LNAPL are noted, as are wells where LNAPL is absent. No changes were noted in the horizontal extent of the LNAPL. The depths to the water table were variable relative to the depths noted in the January 2018 status report, with some wells showing increases and some wells showing decreases. LNAPL apparent thicknesses were also variable, with increases generally noted in wells where the depth to water increased and decreases noted in wells where the depth to water decreased.

The skimmer holding cells were emptied during this event. The amount of LNAPL removed from the wells was estimated at 48 gallons, including LNAPL from the drums associated with the skimmers on recovery well RW-12. Based on previous LNAPL estimates, an estimated

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2,815 gallons of product have been removed from the subsurface since early 2015, with most of the LNAPL disposed. The removed LNAPL is stored in intermediate bulk container (IBC) tanks located in the Site building, pending pickup and offsite disposal. When the IBC tanks are nearly full and/or the containerized spent absorbent materials require disposal, the designated waste management company will be contacted and waste disposal requested.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. Waste removal was conducted on August 11, 2017 and included removal of approximate 500 gallons of product for proper offsite disposal. To-date, Eastern has transported and disposed an estimated 2,616 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Langan performed the next phase of construction at the nearby Greenpoint Landing project and proposed dewatering activities similar that conducted in 2016. GZA reviewed information provided by Langan for GW dewatering adjacent to the NuHart site and has provided input on monitoring to be conducted during construction.

Feasibility Study

GZA submitted a Thermal Treatability and In-Situ Chemical Oxidation Study Work Plan to NYSDEC on May 22nd, 2017. The NYSDEC provided the comments regarding this work plan on July 7th, 2017. GZA have collected the pilot study samples on September 20st through September 22nd, and October 3rd, 2017. Upon the completion of the thermal portion of the pilot study, GZA prepared a memo to summarize the thermal portion of the treatability study and submitted to NYSDEC on January 19th, 2018. The chemical oxidization portion of the pilot study is completed. The final summary memo which include the chemical oxidation results was submitted to NYSDEC on March 13, 2018.

Site Soil Management Report

Pursuant to a request by the NYSDEC, GZA prepared the Site Soil Management Plan (SSMP) on October 28, 2016 to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. SSMP was followed during the pilot study sampling event.

Attachments

Attachment A – Apparent Thickness of LNAPL

Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater

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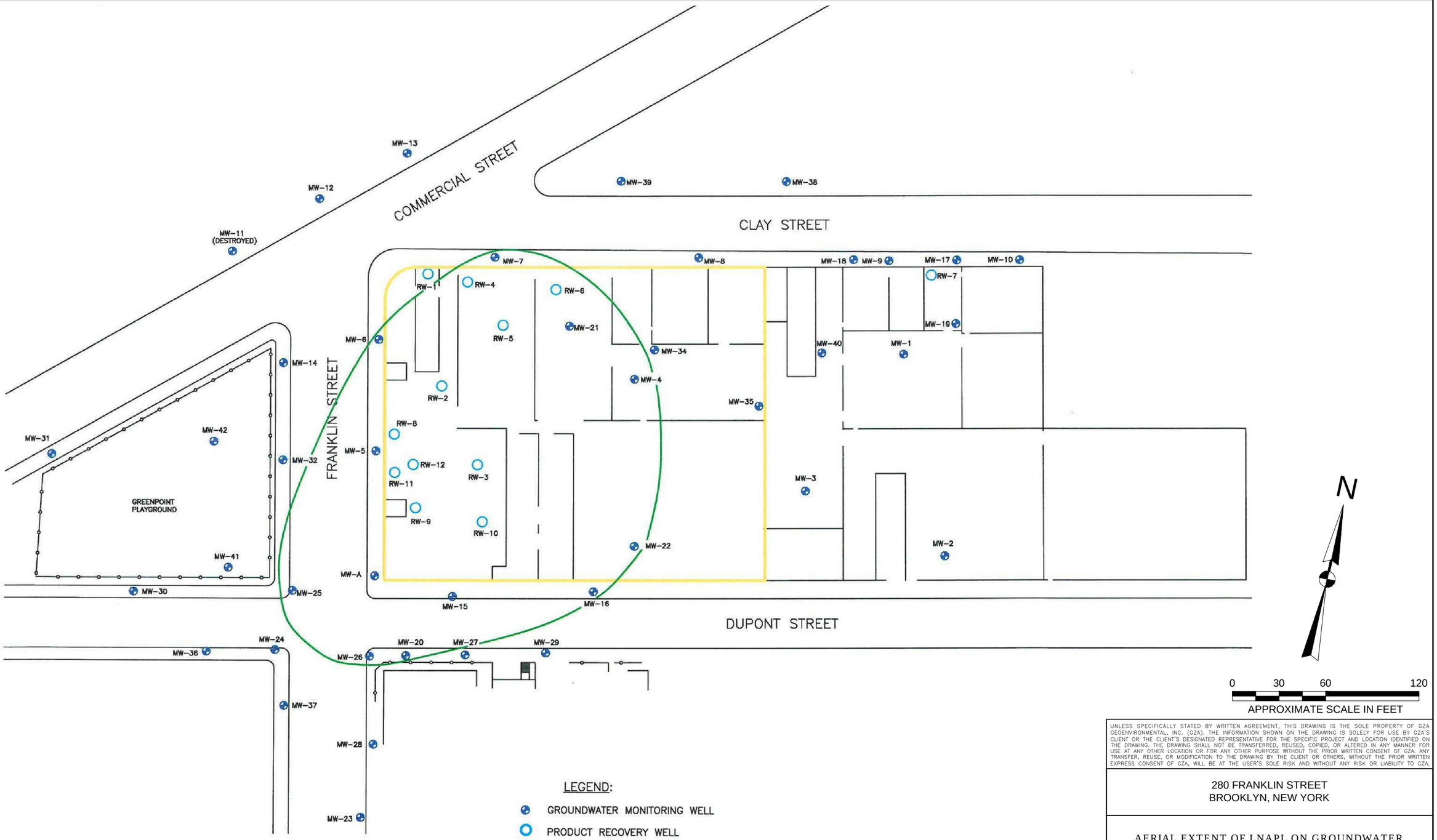

LEGEND:

- GROUNDWATER MONITORING WELL
- PRODUCT RECOVERY WELL
- IHWDS BOUNDARY
- EXTENT OF LNAPL ON GROUNDWATER

NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY DUPONT STREET DEVELOPERS, LLC, ENTITLED "AERIAL EXTENT OF LNAPL ON GROUNDWATER," DATED MARCH 23, 2015, ORIGINAL SCALE 1" = 60'.

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AERIAL EXTENT OF LNAPL ON GROUNDWATER

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: DUPONT STREET DEVELOPERS, LLC	
PROJ MGR: JB	REVIEWED BY: ZS	CHECKED BY: JB	FIGURE 1
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 60'	
DATE: AUGUST 2016	PROJECT NO. 12.0076485.00	REVISION NO.	SHEET NO.

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Readings taken 2/27/18 between 7:55 am and 14:30 pm (high tide @ 8.24 am and Low tide @ 3:01 pm)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																						
			2018		2017											2016										
			Feb-18	Jan-18	Nov-17	Oct-17	Sep-17	Aug-17	Jul-17	Jun-17	May-17	Apr-17	Mar-17	Feb-17	Jan-17	Dec-16	Nov-16	Oct-16	Sep-16	Aug-16	Jul-16	Jun-16	May-16	Apr-16	Mar-16	Feb-16	Jan-16	Dec-15
MW – 4	ND	ND	ND*	0.92	2.12	0.81	1.76	1.73	1.23	1.77	ND*	1.32	1.61	1.13	1.31	1.30	1.00	1.18	1.35	1.71	1.73	1.80	1.53	1.73	1.43	1.85	1.77	1.96
MW – 5	10.26	12.47	2.21	4.65	5.83	2.19	4.44	4.4	3.71	3.54	2.81	2.80	3.13	4.05	3.00	3.55	4.43	3.64	3.22	4.31	4.03	4.29	3.07	3.18	3.14	1.85	3.24	4.83
MW – 6	9.27	ND	##	##	##	1.22	3.19	3.15	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##
MW – 7	9.37	11.92	2.55	3.32	4.91	1.48	1.45	1.41	0.9	0.00	1.50	1.92	2.53	3.71	1.28	0.78	1.73	0.91	0.04	1.89	1.58	2.22	2.11	1.90	1.66	2.31	2.47	3.44
MW – 8	ND	10.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	6.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	ND
MW – 13	ND	8.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
MW – 14	ND	8.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	10.91	10.99	0.08	3.16	1.78	0.31	0.29	0.26	0.26	0.24	0.12	0.22	0.28	0.40	0.31	0.20	0.80	0.20	0.17	0.81	0.07	0.48	0.22	0.71	0.03	0.04	0.60	3.08
MW – 16	11.6	11.7	0.1	0.34	0.25	0.35	0.37	0.35	0.08	0.28	0.03	0.10	0.23	0.20	0.31	ND	ND	ND	ND	ND	0.01	0.25	0.02	0.01	0.02	0.16	0.02	0.11
MW – 20	11.91	12.93	1.02	3.15	3.99	2.52	2.58	2.63	2.9	2.83	2.61	2.94	2.33	3.02	3.02	2.88	3.28	2.90	3.16	2.89	2.88	2.85	2.22	2.49	2.43	1.99	2.46	3.52
MW – 21	11.80	14.09	2.29	3.83	4.79	3.26	3.35	2.13	1.45	2.75	3.31	3.30	3.04	3.62	7.59	3.27	3.32	1.25	2.39	3.61	2.96	2.95	2.63	4.18	2.68	2.42	2.97	4.46
MW – 22	12.55	12.83	0.28	0.37	1.77	1.25	1.24	1.21	0.75	0.66	0.66	0.78	0.64	0.65	0.50	0.51	0.38	0.30	0.01	0.51	0.87	0.62	0.45	0.48	0.44	0.15	0.22	1.33
MW – 23	ND	11.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	10.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	10.51	13.95	3.44	3.66	4.54	4.03	4.05	4.02	3.73	4.09	3.85	3.70	3.74	3.47	3.89	3.62	3.60	4.20	3.79	3.65	4.01	3.75	3.55	3.33	3.42	3.32	3.43	3.68
MW – 26	10.56	13.75	3.19	3.95	5.59	3.81	3.82	3.79	3.65	3.42	3.29	3.73	3.64	3.24	3.14	3.20	3.56	4.00	3.28	4.26	3.58	3.82	3.41	3.37	2.97	3.82	3.41	4.23
MW – 27	ND	10.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	11.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	11.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	10.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	9.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND
MW – 32	ND	10.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	11.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	14.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	10.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	11.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	9.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND
MW – 39	ND	8.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	7.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	10.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	9.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	9.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	12.31	17.83	5.52	4.01	5.19	0.56	0.58	0.53	6.09	6.25	0.42	1.13	2.90	3.09	3.53	1.65	1.18	1.26	1.35	1.88	2.05	2.41	3.02	2.12	3.34	2.70	2.83	4.28
RW – 3	15.37	18.4	3.03	ND	3.31	3.17	3.15	3.22	2.28	3.44	2.85	2.71	3.46	2.98	3.10	1.91	3.95	2.40	2.50	3.08	1.97	2.49	1.64	2.17	2.09	1.64	2.37	4.27
RW – 4	12.47	14.86	2.39	3.06	4.32	4.33	4.17	4.18	3.1	4.1	03.69	3.65	3.69	3.67	3.05	3.80	2.80	2.77	3.30	2.73	2.65	2.32	2.02	2.22	2.93	2.03	2.51	2.82
RW – 5	11.87	16.51	4.64	0.49	4.49	5.28	5.27	5.26	5.42	3.75	5.00	5.44	5.10	0.70	2.95	1.55	3.05	0.42	0.36	0.50	4.97	2.76	2.47	2.66	3.21	2.53	1.92	1.96
RW – 6	12.25	13.15	0.9	2.61	1.64	0.73	0.6	1.61	0.93	5.35	1.05	1.27	1.22	0.90	0.90	0.85	0.68	0.87	0.92	1.46	1.29	0.81	0.67	0.73	0.74	0.76	0.74	0.77
RW – 8 **	14.24	15.2	0.96	1.99	—	1.15	2.2	3.62	1.2	2.34	0.02	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RW – 9	13.73	16.61	2.88	4.32	5.58	3.72	3.77	3.69	2.84	3.25	2.70	2.69	3.50	3.66	2.47	3.09	3.57	2.45	2.35	3.19	2.15	3.18	2.75	3.09	3.81	2.42	3.46	4.62
RW – 10	13.42	16.90	3.48	4.64	4.28	3.65	3.67	3.71	3.67	3.78	4.07	3.79	4.27	4.70	4.15	3.86	3.45	3.80	3.36	4.44	3.91	3.69	3.74	3.66	3.67	4.69	4.77	4.46
RW – 11	13.75	16.25	2.5	5.01	5.5	2.97	4.57	3.93	2.33	3.00	2.92	3.00	3.55	3.73	2.65	1.90	2.04	2.43	2.12	3.66	2.98	3.43	3.08	2.94	3.05	2.45	3.07	4.65
RW– 12 **	13.36	14.48	1.12	1.5	5.96	3.65	5.4	2.68	0.01	0.03	0.01	0.02	0.80	3.89	—	—	—	—	—	—	—	—	—	—		—	—	—

Notes:

Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= :LNAPL observed, apparent thickness not determinded
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation

Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry**
**** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on February 27, 2018

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	2015										2014									2013										2012			
	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12
MW – 4	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW – 5	5.41	4.16	4.26	4.45	4.22	2.30	2.41	2.55	3.10	4.40	4.79	5.03	1.97	3.39	—	3.14	2.80	2.98	—	6.46	7.17	5.54	##	5.08	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW – 6	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW – 7	3.31	2.58	1.46	1.28	0.99	1.58	ND	1.94	1.79	##	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW – 8	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	3.07	1.97	1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71	2.19	2.32	##	0.45	—	0.61	0.30	0.38	—	3.11	3.19	3.34	##	2.14	0.70	–	0.32	1.07	–	1.56	0.99	0.76	2.67
MW – 16	0.02	0.12	0.05	0.05	0.14	0.13	0.15	0.03	0.08	0.02	—	0.03	0.99	Trace	—	0.01	0.01	0.10	—	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW – 20	3.02	3.33	3.25	3.12	2.88	2.58	2.79	3.84	4.38	5.13	1.87	1.71	2.92	2.06	—	1.47	2.90	2.58	4.19	5.07	4.90	4.11	##	3.33	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW – 21	3.85	4.51	3.63	3.32	2.97	2.53	2.77	2.98	3.46	3.23	3.62	4.64	4.90	1.99	—	2.69	2.47	2.48	3.37	3.13	3.72	4.66	##	4.37	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW – 22	1.01	0.49	1.17	1.04	0.79	0.86	0.84	0.74	1.33	1.27	1.03	1.02	0.54	0.85	—	0.74	0.86	0.75	1.22	1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW – 23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.53	3.63	3.53	3.68	3.53	2.81	3.24	3.36	1.07	1.03	3.16	4.02	3.65	3.48	—	3.91	3.75	—	—	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW – 26	4.08	3.77	4.00	3.70	3.65	3.18	3.33	3.64	4.14	4.11	3.84	3.70	4.50	3.02	—	2.71	3.48	3.80	4.34	4.44	4.47	4.62	##	4.18	3.69	2.86	2.33	1.00	2.45	1.62	–	2.61	4.02
MW – 27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 31	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 38	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 40	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW – 3	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81	3.28	3.41	3.50	3.45	3.56	4.12	—	1.58	2.90	2.28	4.60 (est)	3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW – 4	2.31	1.99	1.09	2.02	3.65	3.66	3.53	3.53	1.43	1.35	2.78	2.88	##	2.86	—	1.81	3.25	3.27	2.45	2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95	—	3.45	3.35
RW – 5	5.64	4.18	2.03	5.79	4.87	4.69	4.75	0.70	0.85	0.91	0.85	0.43	0.17	0.17	—	0.12	0.93	0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	—	—	—	2.35	3.00	1.88	–
RW – 6	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.71	1.19	1.14	0.71	0.64	0.78	0.79	—	0.45	1.28	0.96	0.41	0.94	1.30	0.67	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW – 8 **	—	—	—	—	—	—	—	2.14	2.93	2.92	4.01	4.48	##	2.95	—	0.65	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	—	—	—	—	—	—	—	—
RW – 9	4.37	3.52	2.68	3.23	3.04	4.82	4.79	4.28	5.68	5.65	4.81	4.59	4.92	4.14	—	1.02	2.90	2.71	4.34	5.25	4.88	3.08	##	4.09	2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW – 10	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—
RW – 11	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usir
= :LNAPL obser
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-

Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

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April 10, 2018
File No. 12.0076485.00

Via email: yukyin.wong@dec.ny.gov
Mr. Bryan Wong
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101

Re: Project Status Report
Former NuHart Plastic Manufacturing Site # 224136
280 Franklin Street
Brooklyn, New York

Dear Mr. Wong:

Goldberg Zoino and Associates of New York, PC d/b/a GZA GeoEnvironmental of New York is transmitting this Project Status Report on behalf of Dupont Street Developers, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Dawn Hettrick of the New York State Department of Health. The Project Status Report is for February 2018 to March 2018. If you have any questions, please contact us at 973-774-3302 or 973-774-3307.

Sincerely,
GZA GeoEnvironmental of New York,

Steven Roland, P.E.
Senior Consultant

David M. Winslow, Ph.D., P.G.
Principal

Ernest R. Hanna, P.E.
Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov
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Joseph Brunner Email: yb321@yahoo.com
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This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in March 2018. Activities during this period were conducted by GZA GeoEnvironmental, of New York. (GZA). GZA representatives also participated in Site evaluations and communications, and additional activities were conducted by others, as noted below. A Site Plan showing the general Site layout, nearby area, and associated wells is included as Figure 1. Schedule information is presented under each activity discussion.

Interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site were performed during the monitoring period in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by GZA on March 27th, 2018. A table documenting the apparent LNAPL thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL based on the monitoring date is provided as **Figure 1**.

Maintenance Activities

General maintenance activities were performed, including collection of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials as needed to contain LNAPL, and proper labeling of waste containers used during this IRM event. On February 27, 2018, Miller Environmental Group, Inc (Miller) replaced the skimmer belt associated with RW-8. Both recovery systems were functioning properly following the repair.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was conducted on March 27th, 2018. Well gauging was conducted from 7:55 am to 15:30 pm. Flood tides were observed with high tide at 6:28 am and Low tide at 12:53 pm. (ref. NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY). The wells that could not be accessed are noted on **Attachment A**. All wells containing LNAPL are noted, as are wells where LNAPL is absent. No changes were noted in the horizontal extent of the LNAPL. The depths to the water table were variable relative to the depths noted in the February 2018 status report, with some wells showing increases and some wells showing decreases. LNAPL apparent thicknesses were also variable, with increases generally noted in wells where the depth to water increased and decreases noted in wells where the depth to water decreased.

The skimmer holding tanks were emptied during this event. The amount of LNAPL removed was estimated at 41 gallons, consisting of LNAPL from recovery wells RW-12 (39 gallons) and RW-8 (2 gallons). Based on previous LNAPL estimates, an estimated 2,856 gallons of product have been removed from the subsurface since early 2015, with most of the LNAPL

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disposed. The removed LNAPL is stored in intermediate bulk container (IBC) tanks located in the Site building, pending pickup and offsite disposal. When the IBC tanks are nearly full, and/or the containerized spent absorbent materials require disposal, the designated waste management company will be contacted and waste disposal requested.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. To date, Eastern has transported and disposed an estimated 2,616 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Feasibility Study

GZA submitted a final memo to summarize both the thermal/chemical oxidation portions of the treatability study and submitted to NYSDEC on March 13th, 2018.

Site Soil Management Report

Pursuant to a request by the NYSDEC, GZA prepared the Site Soil Management Plan (SSMP) on October 28, 2016 to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. SSMP was followed during the pilot study sampling event.

Attachments

Attachment A – Apparent Thickness of LNAPL

Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater

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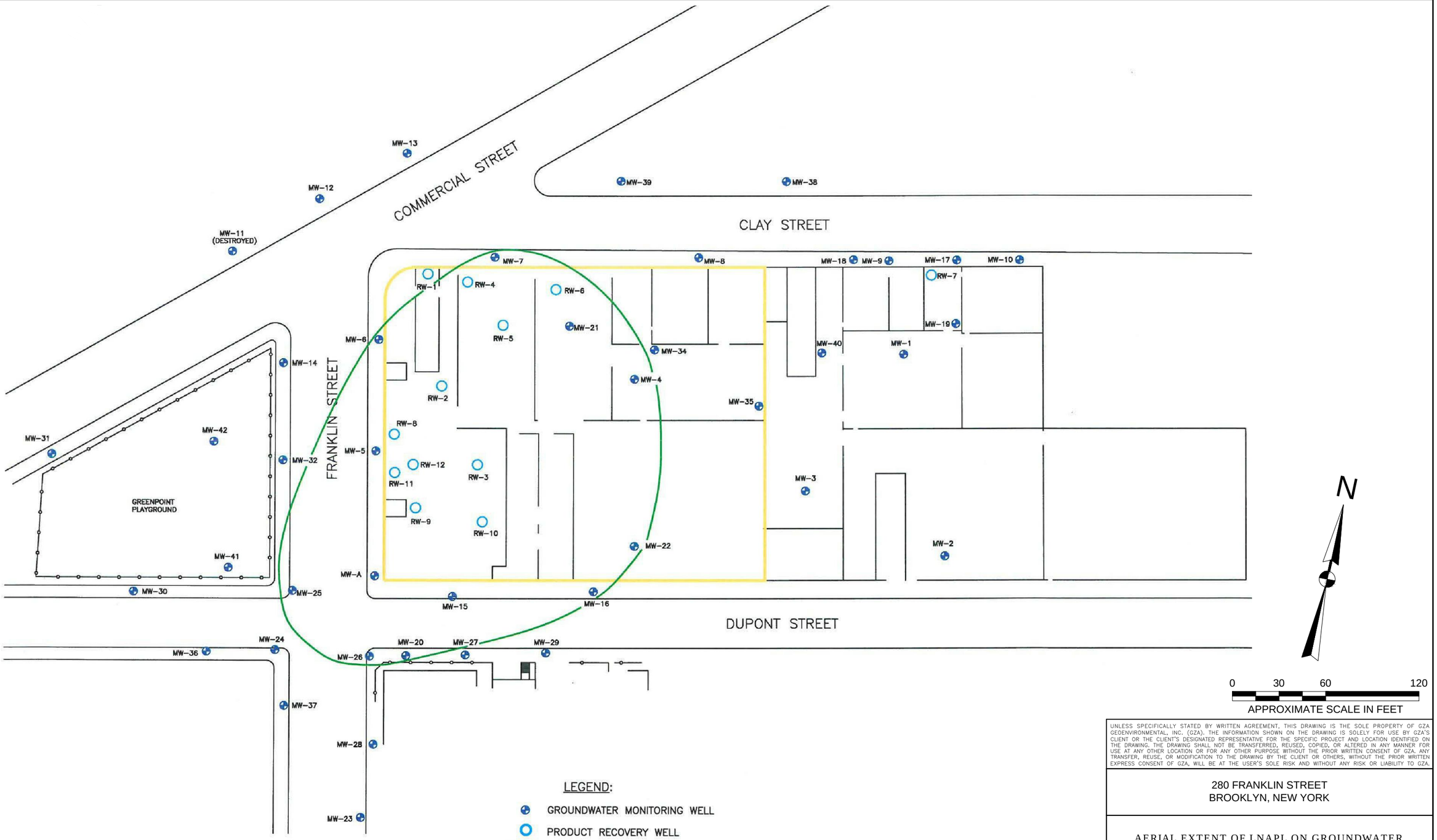

LEGEND:

- GROUNDWATER MONITORING WELL
- PRODUCT RECOVERY WELL
- IHWDS BOUNDARY
- EXTENT OF LNAPL ON GROUNDWATER

NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY DUPONT STREET DEVELOPERS, LLC, ENTITLED "AERIAL EXTENT OF LNAPL ON GROUNDWATER," DATED MARCH 23, 2015, ORIGINAL SCALE 1" = 60'.

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280 FRANKLIN STREET
BROOKLYN, NEW YORK

AERIAL EXTENT OF LNAPL ON GROUNDWATER

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: DUPONT STREET DEVELOPERS, LLC	
PROJ MGR: JB	REVIEWED BY: ZS	CHECKED BY: JB	FIGURE 1
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 60'	
DATE: AUGUST 2016	PROJECT NO. 12.0076485.00	REVISION NO.	SHEET NO.

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Readings taken 3/27/18 between 7:55 am and 15:30 pm (High tide @ 6:28 am and Low tide @ 12:53 pm)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	Apparent Thickness of LN																						
			2018			2017											2016									
			Mar-18	Feb-18	Jan-18	Nov-17	Oct-17	Sep-17	Aug-17	Jul-17	Jun-17	May-17	Apr-17	Mar-17	Feb-17	Jan-17	Dec-16	Nov-16	Oct-16	Sep-16	Aug-16	Jul-16	Jun-16	May-16	Apr-16	Mar-16	Feb-16
MW – 4	10.42	11.15	0.73	*	0.92	2.12	0.81	1.76	1.73	1.23	1.77	ND*	1.32	1.61	1.13	1.31	1.30	1.00	1.18	1.35	1.71	1.73	1.80	1.53	1.73	1.43	1.85
MW – 5	9.22	11.41	2.19	2.21	4.65	5.83	2.19	4.44	4.4	3.71	3.54	2.81	2.80	3.13	4.05	3.00	3.55	4.43	3.64	3.22	4.31	4.03	4.29	3.07	3.18	3.14	1.85
MW – 6	8.22	8.96	0.74	##	##	##	1.22	3.19	3.15	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##
MW – 7	8.47	10.50	2.03	2.55	3.32	4.91	1.48	1.45	1.41	0.9	0.00	1.50	1.92	2.53	3.71	1.28	0.78	1.73	0.91	0.04	1.89	1.58	2.22	2.11	1.90	1.66	2.31
MW – 8	ND	9.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	5.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—
MW – 13	ND	7.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 14	ND	8.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	9.86	9.93	0.07	0.08	3.16	1.78	0.31	0.29	0.26	0.26	0.24	0.12	0.22	0.28	0.40	0.31	0.20	0.80	0.20	0.17	0.81	0.07	0.48	0.22	0.71	0.03	0.04
MW – 16	—	—	—	0.1	0.34	0.25	0.35	0.37	0.35	0.08	0.28	0.03	0.10	0.23	0.20	0.31	ND	ND	ND	ND	ND	0.01	0.25	0.02	0.01	0.02	0.16
MW – 20	9.98	11.75	1.77	1.02	3.15	3.99	2.52	2.58	2.63	2.9	2.83	2.61	2.94	2.33	3.02	3.02	2.88	3.28	2.90	3.16	2.89	2.88	2.85	2.22	2.49	2.43	1.99
MW – 21	10.70	12.08	1.38	2.29	3.83	4.79	3.26	3.35	2.13	1.45	2.75	3.31	3.30	3.04	3.62	7.59	3.27	3.32	1.25	2.39	3.61	2.96	2.95	2.63	4.18	2.68	2.42
MW – 22	11.47	12.58	1.11	0.28	0.37	1.77	1.25	1.24	1.21	0.75	0.66	0.66	0.78	0.64	0.65	0.50	0.51	0.38	0.30	0.01	0.51	0.87	0.62	0.45	0.48	0.44	0.15
MW – 23	ND	10.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	9.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	9.51	12.96	3.45	3.44	3.66	4.54	4.03	4.05	4.02	3.73	4.09	3.85	3.70	3.74	3.47	3.89	3.62	3.60	4.20	3.79	3.65	4.01	3.75	3.55	3.33	3.42	3.32
MW – 26	9.60	12.08	2.48	3.19	3.95	5.59	3.81	3.82	3.79	3.65	3.42	3.29	3.73	3.64	3.24	3.14	3.20	3.56	4.00	3.28	4.26	3.58	3.82	3.41	3.37	2.97	3.82
MW – 27	ND	09.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	10.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	10.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	9.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	8.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND	ND
MW – 32	ND	9.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	10.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	13.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	10.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	10.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	7.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND	ND
MW – 39	ND	7.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	6.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	9.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	8.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	8.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	11.40	11.48	0.08	5.52	4.01	5.19	0.56	0.58	0.53	6.09	6.25	0.42	1.13	2.90	3.09	3.53	1.65	1.18	1.26	1.35	1.88	2.05	2.41	3.02	2.12	3.34	2.70
RW – 3	14.48	16.6	2.12	3.03	ND	3.31	3.17	3.15	3.22	2.28	3.44	2.85	2.71	3.46	2.98	3.10	1.91	3.95	2.40	2.50	3.08	1.97	2.49	1.64	2.17	2.09	1.64
RW – 4	11.50	14.51	3.01	02.39	3.06	4.32	4.33	4.17	4.18	3.1	4.1	03.69	3.65	3.69	3.67	3.05	3.80	2.80	2.77	3.30	2.73	2.65	2.32	2.02	2.22	2.93	2.03
RW – 5	10.98	11.32	0.34	4.64	0.49	4.49	5.28	5.27	5.26	5.42	3.75	5.00	5.44	5.10	0.70	2.95	1.55	3.05	0.42	0.36	0.50	4.97	2.76	2.47	2.66	3.21	2.53
RW – 6	11.30	12.21	0.91	00.90	2.61	1.64	0.73	0.6	1.61	0.93	5.35	1.05	1.27	1.22	0.90	0.90	0.85	0.68	0.87	0.92	1.46	1.29	0.81	0.67	0.73	0.74	0.76
RW – 8 **	13.3	13.33	0.03	0.96	1.99	—	1.15	2.2	3.62	1.2	2.34	0.02	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RW – 9	12.80	14.31	1.51	2.88	4.32	5.58	3.72	3.77	3.69	2.84	3.25	2.70	2.69	3.50	3.66	2.47	3.09	3.57	2.45	2.35	3.19	2.15	3.18	2.75	3.09	3.81	2.42
RW – 10	12.45	13.11	0.66	3.48	4.64	4.28	3.65	3.67	3.71	3.67	3.78	4.07	3.79	4.27	4.70	4.15	3.86	3.45	3.80	3.36	4.44	3.91	3.69	3.74	3.66	3.67	4.69
RW – 11	12.79	15.20	2.41	2.50	5.01	5.5	2.97	4.57	3.93	2.33	3.00	2.92	3.00	3.55	3.73	2.65	1.90	2.04	2.43	2.12	3.66	2.98	3.43	3.08	2.94	3.05	2.45
RW– 12 **	12.4	12.42	0.02	1.12	1.5	5.96	3.65	5.4	2.68	0.01	0.03	0.01	0.02	0.80	3.89	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= :LNAPL observed, apparent thickness not determinded
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation
Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry**
**** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on March 27, 2018

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	LNAPL (feet)											
		2015										
	Jan-16	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15
MW – 4	1.77	1.96	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—
MW – 5	3.24	4.83	5.41	4.16	4.26	4.45	4.22	2.30	2.41	2.55	3.10	4.40
MW – 6	##	##	##	##	##	##	##	2.30	##	##	##	##
MW – 7	2.47	3.44	3.31	2.58	1.46	1.28	0.99	1.58	ND	1.94	1.79	##
MW – 8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 12	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 13	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	0.60	3.08	3.07	1.97	1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71
MW – 16	0.02	0.11	0.02	0.12	0.05	0.05	0.14	0.13	0.15	0.03	0.08	0.02
MW – 20	2.46	3.52	3.02	3.33	3.25	3.12	2.88	2.58	2.79	3.84	4.38	5.13
MW – 21	2.97	4.46	3.85	4.51	3.63	3.32	2.97	2.53	2.77	2.98	3.46	3.23
MW – 22	0.22	1.33	1.01	0.49	1.17	1.04	0.79	0.86	0.84	0.74	1.33	1.27
MW – 23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.43	3.68	3.53	3.63	3.53	3.68	3.53	2.81	3.24	3.36	1.07	1.03
MW – 26	3.41	4.23	4.08	3.77	4.00	3.70	3.65	3.18	3.33	3.64	4.14	4.11
MW – 27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	2.83	4.28	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52
RW – 3	2.37	4.27	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81	3.28	3.41
RW – 4	2.51	2.82	2.31	1.99	1.09	2.02	3.65	3.66	3.53	3.53	1.43	1.35
RW – 5	1.92	1.96	5.64	4.18	2.03	5.79	4.87	4.69	4.75	0.70	0.85	0.91
RW – 6	0.74	0.77	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.71	1.19	1.14
RW – 8 **	—	—	—	—	—	—	—	—	—	2.14	2.93	2.92
RW – 9	3.46	4.62	4.37	3.52	2.68	3.23	3.04	4.82	4.79	4.28	5.68	5.65
RW – 10	4.77	4.46	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04
RW – 11	3.07	4.65	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usir
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-
Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	2014									2013										2012			
	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12
MW – 4	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW – 5	4.79	5.03	1.97	3.39	—	3.14	2.80	2.98	—	6.46	7.17	5.54	##	5.08	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW – 6	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW – 7	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW – 8	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	2.19	2.32	##	0.45	—	0.61	0.30	0.38	—	3.11	3.19	3.34	##	2.14	0.70	–	0.32	1.07	–	1.56	0.99	0.76	2.67
MW – 16	—	0.03	0.99	Trace	—	0.01	0.01	0.10	—	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW – 20	1.87	1.71	2.92	2.06	—	1.47	2.90	2.58	4.19	5.07	4.90	4.11	##	3.33	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW – 21	3.62	4.64	4.90	1.99	—	2.69	2.47	2.48	3.37	3.13	3.72	4.66	##	4.37	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW – 22	1.03	1.02	0.54	0.85	—	0.74	0.86	0.75	1.22	1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW – 23	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.16	4.02	3.65	3.48	—	3.91	3.75	—	—	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW – 26	3.84	3.70	4.50	3.02	—	2.71	3.48	3.80	4.34	4.44	4.47	4.62	##	4.18	3.69	2.86	2.33	1.00	2.45	1.62	–	2.61	4.02
MW – 27	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 30	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 31	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 32	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 34	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 35	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 36	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 37	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 38	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 39	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 40	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND
RW – 2	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW – 3	3.50	3.45	3.56	4.12	—	1.58	2.90	2.28	4.60 (est)	3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW – 4	2.78	2.88	##	2.86	—	1.81	3.25	3.27	2.45	2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95	—	3.45	3.35
RW – 5	0.85	0.43	0.17	0.17	—	0.12	0.93	0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	—	—	—	2.35	3.00	1.88	–
RW – 6	0.71	0.64	0.78	0.79	—	0.45	1.28	0.96	0.41	0.94	1.30	0.67	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW – 8 **	4.01	4.48	##	2.95	—	0.65	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	—	—	—	—	—	—	—	—
RW – 9	4.81	4.59	4.92	4.14	—	1.02	2.90	2.71	4.34	5.25	4.88	3.08	##	4.09	2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW – 10	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—
RW – 11	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usir
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-
Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

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May 14, 2018
File No. 12.0076485.00

Via email: yukyin.wong@dec.ny.gov
Mr. Bryan Wong
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101

Re: Project Status Report
Former NuHart Plastic Manufacturing Site # 224136
280 Franklin Street
Brooklyn, New York

Dear Mr. Wong:

Goldberg Zoino and Associates of New York, PC d/b/a GZA GeoEnvironmental of New York is transmitting this Project Status Report on behalf of Dupont Street Developers, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Dawn Hettrick of the New York State Department of Health. The Project Status Report is for March 2018 to April 2018. If you have any questions, please contact us at 973-774-3302 or 973-774-3307.

Sincerely,
GZA GeoEnvironmental of New York,

Steven J. Roland
Steven Roland, P.E.
Senior Consultant

David M. Winslow, Ph.D., P.G.
Principal

Ernest Hanna
Ernest R. Hanna, P.E.
Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov
Dupont Street Developers, LLC Email: bojinzhu@gmail.com
Joseph Brunner Email: yb321@yahoo.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Wendy A. Marsh Email: wmarsh@hancocklaw.com

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This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in April 2018. Activities during this period were conducted by GZA GeoEnvironmental of New York. (GZA). GZA representatives also participated in Site evaluations and communications, and additional activities were conducted by others, as noted below. A Site Plan showing the general Site layout, nearby area, and associated wells is included as Figure 1. Schedule information is presented under each activity discussion.

Interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site were performed during the monitoring period in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by GZA on April 26th, 2018. A table documenting the apparent LNAPL thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL based on the monitoring date is provided as **Figure 1**.

Maintenance Activities

General maintenance activities were performed, including collection of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials as needed to contain LNAPL, and proper labeling of waste containers used during this IRM event. Both skimming systems associated with recovery wells RW-8 and RW-12 were found to be powered and operational during the Site visit. RW-12 skimmer continues to have operational issues due to it's age and condition. The high-level shut off switch continues to be problematic requiring the collected LNAPL to be removed every 3 weeks to prevent an overflow condition. GZA is continuing to repair the unit.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was conducted on April 26th, 2018. Well gauging was conducted from 7:00 am to 12:00 pm. Flood tides were observed with high tide at 7:14 am and Low tide at 1:22 pm. (ref. NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY). The wells that could not be accessed are noted on **Attachment A**. All wells containing LNAPL are noted, as are wells where LNAPL is absent. No changes were noted in the horizontal extent of the LNAPL. The depths to the water table were variable relative to the depths noted in the March 2018 status report, with some wells showing increases and some wells showing decreases. LNAPL apparent thicknesses were also variable, with increases generally noted in wells where the depth to water increased and decreases noted in wells where the depth to water decreased.

The skimmer holding tanks were emptied during this event. The amount of LNAPL removed was estimated at 61 gallons, consisting of LNAPL from recovery wells RW-12 (56 gallons) and RW-8 (5 gallons). Based on previous LNAPL estimates, an estimated 2,917 gallons of

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product have been removed from the subsurface since early 2015, with most of the LNAPL disposed. The removed LNAPL is stored in intermediate bulk container (IBC) tanks located in the Site building, pending pickup and offsite disposal. When the IBC tanks are nearly full, and/or the containerized spent absorbent materials require disposal, the designated waste management company will be contacted and waste disposal requested.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. To date, Eastern has transported and disposed an estimated 2,616 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Site Soil Management Report

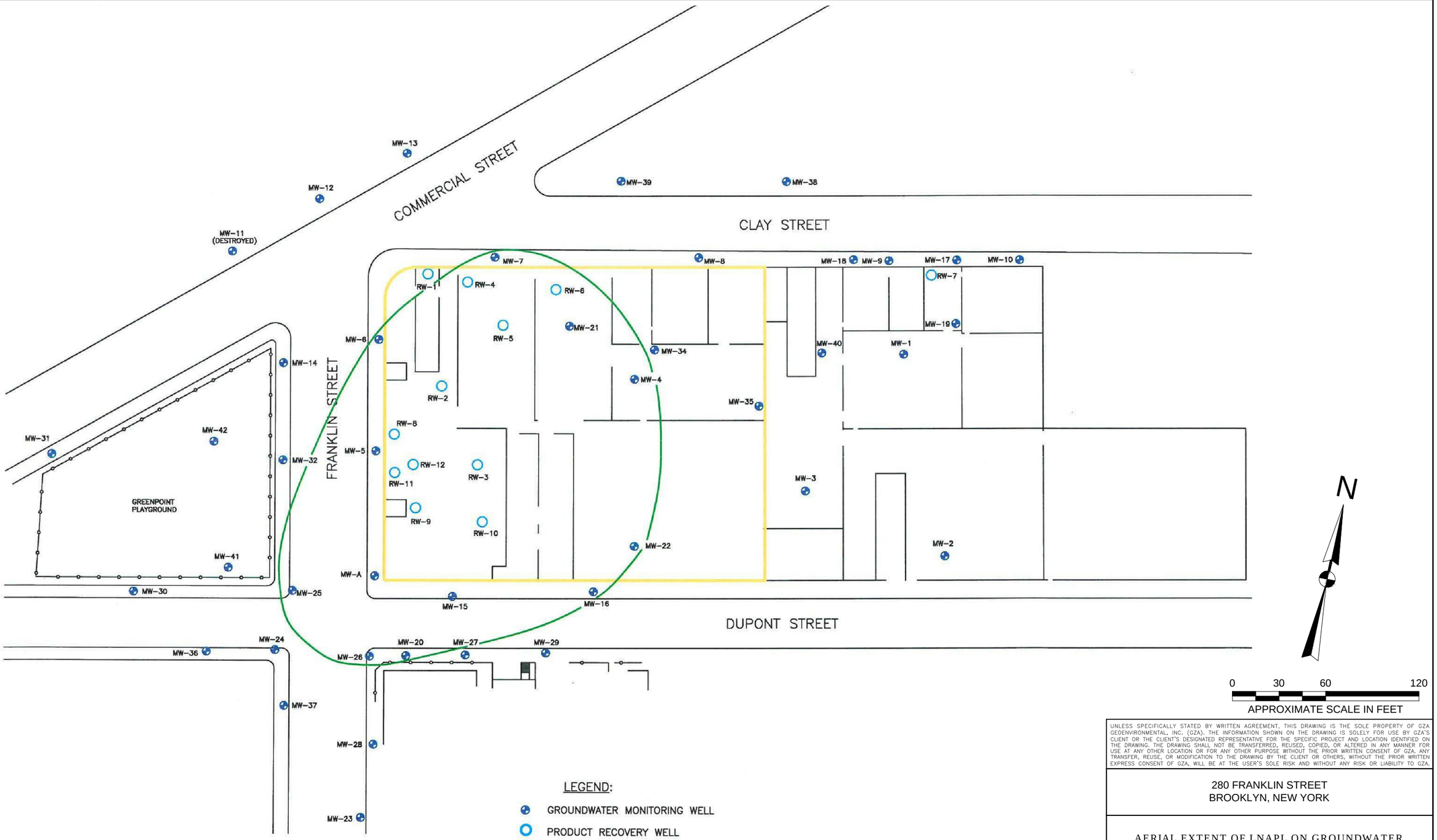
Pursuant to a request by the NYSDEC, GZA prepared the Site Soil Management Plan (SSMP) on October 28, 2016 to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. SSMP was followed during the pilot study sampling event.

Attachments

Attachment A – Apparent Thickness of LNAPL

Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater

©2016 – GZA GeoEnvironmental, Inc. GZA–J:\76400's\12.0076485.00\Figures\CAD\76485.00.003.dwg [1] September 07, 2016 – 11:26am miguel.torres



LEGEND:

- GROUNDWATER MONITORING WELL
- PRODUCT RECOVERY WELL
- IHWDS BOUNDARY
- EXTENT OF LNAPL ON GROUNDWATER

NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY DUPONT STREET DEVELOPERS, LLC, ENTITLED "AERIAL EXTENT OF LNAPL ON GROUNDWATER," DATED MARCH 23, 2015, ORIGINAL SCALE 1" = 60'.

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

280 FRANKLIN STREET
BROOKLYN, NEW YORK

AERIAL EXTENT OF LNAPL ON GROUNDWATER

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: DUPONT STREET DEVELOPERS, LLC	
PROJ MGR: JB	REVIEWED BY: ZS	CHECKED BY: JB	FIGURE 1
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 60'	
DATE: AUGUST 2016	PROJECT NO. 12.0076485.00	REVISION NO.	SHEET NO.

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Readings taken 4/26/18 between 7:00 am and 12:00 pm (High tide @ 7:14 am and Low tide @ 1:22 PM pm)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	Apparent Thic																					
			2018				2017											2016							
			Apr-18	Mar-18	Feb-18	Jan-18	Nov-17	Oct-17	Sep-17	Aug-17	Jul-17	Jun-17	May-17	Apr-17	Mar-17	Feb-17	Jan-17	Dec-16	Nov-16	Oct-16	Sep-16	Aug-16	Jul-16	Jun-16	May-16	Apr-16
MW – 4	11.2	11.85	0.65	0.73	*	0.92	2.12	0.81	1.76	1.73	1.23	1.77	ND*	1.32	1.61	1.13	1.31	1.30	1.00	1.18	1.35	1.71	1.73	1.80	1.53	1.73
MW – 5	9.63	12.40	2.77	2.19	2.21	4.65	5.83	2.19	4.44	4.4	3.71	3.54	2.81	2.80	3.13	4.05	3.00	3.55	4.43	3.64	3.22	4.31	4.03	4.29	3.07	3.18
MW – 6	9.35	11.82	2.47	0.74	##	##	##	1.22	3.19	3.15	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##
MW – 7	8.85	10.65	1.8	2.03	2.55	3.32	4.91	1.48	1.45	1.41	0.9	0.00	1.50	1.92	2.53	3.71	1.28	0.78	1.73	0.91	0.04	1.89	1.58	2.22	2.11	1.90
MW – 8	ND	11.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	6.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	7.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	8.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	10.33	10.4	0.07	0.07	0.08	3.16	1.78	0.31	0.29	0.26	0.26	0.24	0.12	0.22	0.28	0.40	0.31	0.20	0.80	0.20	0.17	0.81	0.07	0.48	0.22	0.71
MW – 16	10.91	11.04	0.13	__	0.1	0.34	0.25	0.35	0.37	0.35	0.08	0.28	0.03	0.10	0.23	0.20	0.31	ND	ND	ND	ND	ND	0.01	0.25	0.02	0.01
MW – 20	10.28	12.8	2.52	1.77	1.02	3.15	3.99	2.52	2.58	2.63	2.9	2.83	2.61	2.94	2.33	3.02	3.02	2.88	3.28	2.90	3.16	2.89	2.88	2.85	2.22	2.49
MW – 21	11.03	12.65	1.62	1.38	2.29	3.83	4.79	3.26	3.35	2.13	1.45	2.75	3.31	3.30	3.04	3.62	7.59	3.27	3.32	1.25	2.39	3.61	2.96	2.95	2.63	4.18
MW – 22	11.85	12.61	0.76	1.11	0.28	0.37	1.77	1.25	1.24	1.21	0.75	0.66	0.66	0.78	0.64	0.65	0.50	0.51	0.38	0.30	0.01	0.51	0.87	0.62	0.45	0.48
MW – 23	ND	10.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	10.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	9.92	13.95	4.03	3.45	3.44	3.66	4.54	4.03	4.05	4.02	3.73	4.09	3.85	3.70	3.74	3.47	3.89	3.62	3.60	4.20	3.79	3.65	4.01	3.75	3.55	3.33
MW – 26	10.01	13.15	3.14	2.48	3.19	3.95	5.59	3.81	3.82	3.79	3.65	3.42	3.29	3.73	3.64	3.24	3.14	3.20	3.56	4.00	3.28	4.26	3.58	3.82	3.41	3.37
MW – 27	ND	10.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	10.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	10.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	8.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND
MW – 32	ND	9.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	11.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	14.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	10.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	10.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	9.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND
MW – 39	ND	8.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	6.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	9.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	8.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	8.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	11.80	13.45	1.65	0.08	5.52	4.01	5.19	0.56	0.58	0.53	6.09	6.25	0.42	1.13	2.90	3.09	3.53	1.65	1.18	1.26	1.35	1.88	2.05	2.41	3.02	2.12
RW – 3	14.77	17.29	2.52	2.12	3.03	ND	3.31	3.17	3.15	3.22	2.28	3.44	2.85	2.71	3.46	2.98	3.10	1.91	3.95	2.40	2.50	3.08	1.97	2.49	1.64	2.17
RW – 4	11.85	15.65	3.8	3.01	02.39	3.06	4.32	4.33	4.17	4.18	3.1	4.1	03.69	3.65	3.69	3.67	3.05	3.80	2.80	2.77	3.30	2.73	2.65	2.32	2.02	2.22
RW – 5	11.45	12.10	0.65	0.34	4.64	0.49	4.49	5.28	5.27	5.26	5.42	3.75	5.00	5.44	5.10	0.70	2.95	1.55	3.05	0.42	0.36	0.50	4.97	2.76	2.47	2.66
RW – 6	11.63	12.59	0.96	0.91	00.90	2.61	1.64	0.73	0.6	1.61	0.93	5.35	1.05	1.27	1.22	0.90	0.90	0.85	0.68	0.87	0.92	1.46	1.29	0.81	0.67	0.73
RW – 8 **	13.64	13.67	0.03	0.03	0.96	1.99	—	1.15	2.2	3.62	1.2	2.34	0.02	0.01	—	—	—	—	—	—	—	—	—	—	—	—
RW – 9	13.13	15.41	2.28	1.51	2.88	4.32	5.58	3.72	3.77	3.69	2.84	3.25	2.70	2.69	3.50	3.66	2.47	3.09	3.57	2.45	2.35	3.19	2.15	3.18	2.75	3.09
RW – 10	12.81	16.51	3.7	0.66	3.48	4.64	4.28	3.65	3.67	3.71	3.67	3.78	4.07	3.79	4.27	4.70	4.15	3.86	3.45	3.80	3.36	4.44	3.91	3.69	3.74	3.66
RW – 11	13.14	17.48	4.34	2.41	2.50	5.01	5.5	2.97	4.57	3.93	2.33	3.00	2.92	3.00	3.55	3.73	2.65	1.90	2.04	2.43	2.12	3.66	2.98	3.43	3.08	2.94
RW– 12 **	12.74	15.35	2.61	0.02	1.12	1.5	5.96	3.65	5.4	2.68	0.01	0.03	0.01	0.02	0.80	3.89	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= :LNAPL observed, apparent thickness not determinded
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation
Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry**
**** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on April 26, 2018

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	kness of LNAPL (feet)													
				2015										
	Mar-16	Feb-16	Jan-16	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15
MW – 4	1.43	1.85	1.77	1.96	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—
MW – 5	3.14	1.85	3.24	4.83	5.41	4.16	4.26	4.45	4.22	2.30	2.41	2.55	3.10	4.40
MW – 6	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##
MW – 7	1.66	2.31	2.47	3.44	3.31	2.58	1.46	1.28	0.99	1.58	ND	1.94	1.79	##
MW – 8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 12	—	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 13	ND	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	0.03	0.04	0.60	3.08	3.07	1.97	1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71
MW – 16	0.02	0.16	0.02	0.11	0.02	0.12	0.05	0.05	0.14	0.13	0.15	0.03	0.08	0.02
MW – 20	2.43	1.99	2.46	3.52	3.02	3.33	3.25	3.12	2.88	2.58	2.79	3.84	4.38	5.13
MW – 21	2.68	2.42	2.97	4.46	3.85	4.51	3.63	3.32	2.97	2.53	2.77	2.98	3.46	3.23
MW – 22	0.44	0.15	0.22	1.33	1.01	0.49	1.17	1.04	0.79	0.86	0.84	0.74	1.33	1.27
MW – 23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.42	3.32	3.43	3.68	3.53	3.63	3.53	3.68	3.53	2.81	3.24	3.36	1.07	1.03
MW – 26	2.97	3.82	3.41	4.23	4.08	3.77	4.00	3.70	3.65	3.18	3.33	3.64	4.14	4.11
MW – 27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	3.34	2.70	2.83	4.28	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52
RW – 3	2.09	1.64	2.37	4.27	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81	3.28	3.41
RW – 4	2.93	2.03	2.51	2.82	2.31	1.99	1.09	2.02	3.65	3.66	3.53	3.53	1.43	1.35
RW – 5	3.21	2.53	1.92	1.96	5.64	4.18	2.03	5.79	4.87	4.69	4.75	0.70	0.85	0.91
RW – 6	0.74	0.76	0.74	0.77	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.71	1.19	1.14
RW – 8 **	—	—	—	—	—	—	—	—	—	—	—	2.14	2.93	2.92
RW – 9	3.81	2.42	3.46	4.62	4.37	3.52	2.68	3.23	3.04	4.82	4.79	4.28	5.68	5.65
RW – 10	3.67	4.69	4.77	4.46	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04
RW – 11	3.05	2.45	3.07	4.65	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97
RW– 12 **		—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usir
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-
Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	2014									2013										2012			
	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12
MW – 4	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW – 5	4.79	5.03	1.97	3.39	—	3.14	2.80	2.98	—	6.46	7.17	5.54	##	5.08	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW – 6	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW – 7	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW – 8	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	2.19	2.32	##	0.45	—	0.61	0.30	0.38	—	3.11	3.19	3.34	##	2.14	0.70	–	0.32	1.07	–	1.56	0.99	0.76	2.67
MW – 16	—	0.03	0.99	Trace	—	0.01	0.01	0.10	—	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW – 20	1.87	1.71	2.92	2.06	—	1.47	2.90	2.58	4.19	5.07	4.90	4.11	##	3.33	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW – 21	3.62	4.64	4.90	1.99	—	2.69	2.47	2.48	3.37	3.13	3.72	4.66	##	4.37	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW – 22	1.03	1.02	0.54	0.85	—	0.74	0.86	0.75	1.22	1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW – 23	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.16	4.02	3.65	3.48	—	3.91	3.75	—	—	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW – 26	3.84	3.70	4.50	3.02	—	2.71	3.48	3.80	4.34	4.44	4.47	4.62	##	4.18	3.69	2.86	2.33	1.00	2.45	1.62	–	2.61	4.02
MW – 27	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 30	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 31	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 32	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 34	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 35	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 36	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 37	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 38	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 39	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 40	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND
RW – 2	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW – 3	3.50	3.45	3.56	4.12	—	1.58	2.90	2.28	4.60 (est)	3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW – 4	2.78	2.88	##	2.86	—	1.81	3.25	3.27	2.45	2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95	—	3.45	3.35
RW – 5	0.85	0.43	0.17	0.17	—	0.12	0.93	0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	—	—	—	2.35	3.00	1.88	–
RW – 6	0.71	0.64	0.78	0.79	—	0.45	1.28	0.96	0.41	0.94	1.30	0.67	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW – 8 **	4.01	4.48	##	2.95	—	0.65	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	—	—	—	—	—	—	—	—
RW – 9	4.81	4.59	4.92	4.14	—	1.02	2.90	2.71	4.34	5.25	4.88	3.08	##	4.09	2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW – 10	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—
RW – 11	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usir
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-
Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

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GZA GeoEnvironmental of NY
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June 12, 2018
File No. 12.0076485.00

Via email: yukyin.wong@dec.ny.gov
Mr. Bryan Wong
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101

Re: Project Status Report
Former NuHart Plastic Manufacturing Site # 224136
280 Franklin Street
Brooklyn, New York

Dear Mr. Wong:

Goldberg Zoino and Associates of New York, PC d/b/a GZA GeoEnvironmental of New York is transmitting this Project Status Report on behalf of Dupont Street Developers, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Dawn Hettrick of the New York State Department of Health. The Project Status Report is for April 2018 to May 2018. If you have any questions, please contact us at 973-774-3302 or 973-774-3307.

Sincerely,
GZA GeoEnvironmental of New York,

Steven J. Roland
Steven Roland, P.E.
Senior Consultant

David M. Winslow, Ph.D., P.G.
Principal

Ernest Hanna
Ernest R. Hanna, P.E.
Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov
Dupont Street Developers, LLC Email: bojinzhu@gmail.com
Joseph Brunner Email: yb321@yahoo.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Wendy A. Marsh Email: wmarsh@hancocklaw.com

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This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in May 2018. Activities during this period were conducted by GZA GeoEnvironmental of New York. (GZA). GZA representatives also participated in Site evaluations and communications, and additional activities were conducted by others, as noted below. A Site Plan showing the general Site layout, nearby area, and associated wells is included as Figure 1. Schedule information is presented under each activity discussion.

Interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site were performed during the monitoring period in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by GZA on May 16th and 23rd, 2018. A table documenting the apparent LNAPL thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL based on the monitoring date is provided as **Figure 1**.

Maintenance Activities

General maintenance activities were performed, including collection of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials as needed to contain LNAPL, and proper labeling of waste containers used during this IRM event. Both skimming systems associated with recovery wells RW-8 and RW-12 were found to be powered and operational during the Site visit. RW-12 skimmer continues to have operational issues due to it's age and condition. The high-level shut off switch continues to be problematic, requiring the collected LNAPL to be removed every 3 weeks to prevent an overflow condition. GZA continues to remove the collected oil manually on a scheduled every 3-week basis to prevent any overflow.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was conducted on May 23rd, 2018. Well gauging was conducted from 7:00 am to 12:00 pm. Flood tides were observed with high tide at 3:43 AM and Low tide at 10:27 AM. (ref. NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY). The wells that could not be accessed are noted on **Attachment A**. All wells containing LNAPL are noted, as are wells where LNAPL is absent. No changes were noted in the horizontal extent of the LNAPL. The depths to the water table were variable relative to the depths noted in the April 2018 status report, with some wells showing increases and some wells showing decreases. LNAPL apparent thicknesses were also variable, with increases generally noted in wells where the depth to water increased and decreases noted in wells where the depth to water decreased.

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The skimmer holding tanks were emptied during this event. The amount of LNAPL removed was estimated at 61 gallons, consisting of LNAPL from recovery wells RW-12 (55 gallons) and RW-8 (6 gallons). Based on previous LNAPL estimates, an estimated 2,978 gallons of product have been removed from the subsurface since early 2015, with most of the LNAPL disposed. The removed LNAPL is stored in intermediate bulk container (IBC) tanks located in the Site building, pending pickup and offsite disposal. When the IBC tanks are nearly full, and/or the containerized spent absorbent materials require disposal, the designated waste management company will be contacted and waste disposal requested.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. To date, Eastern has transported and disposed an estimated 2,616 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

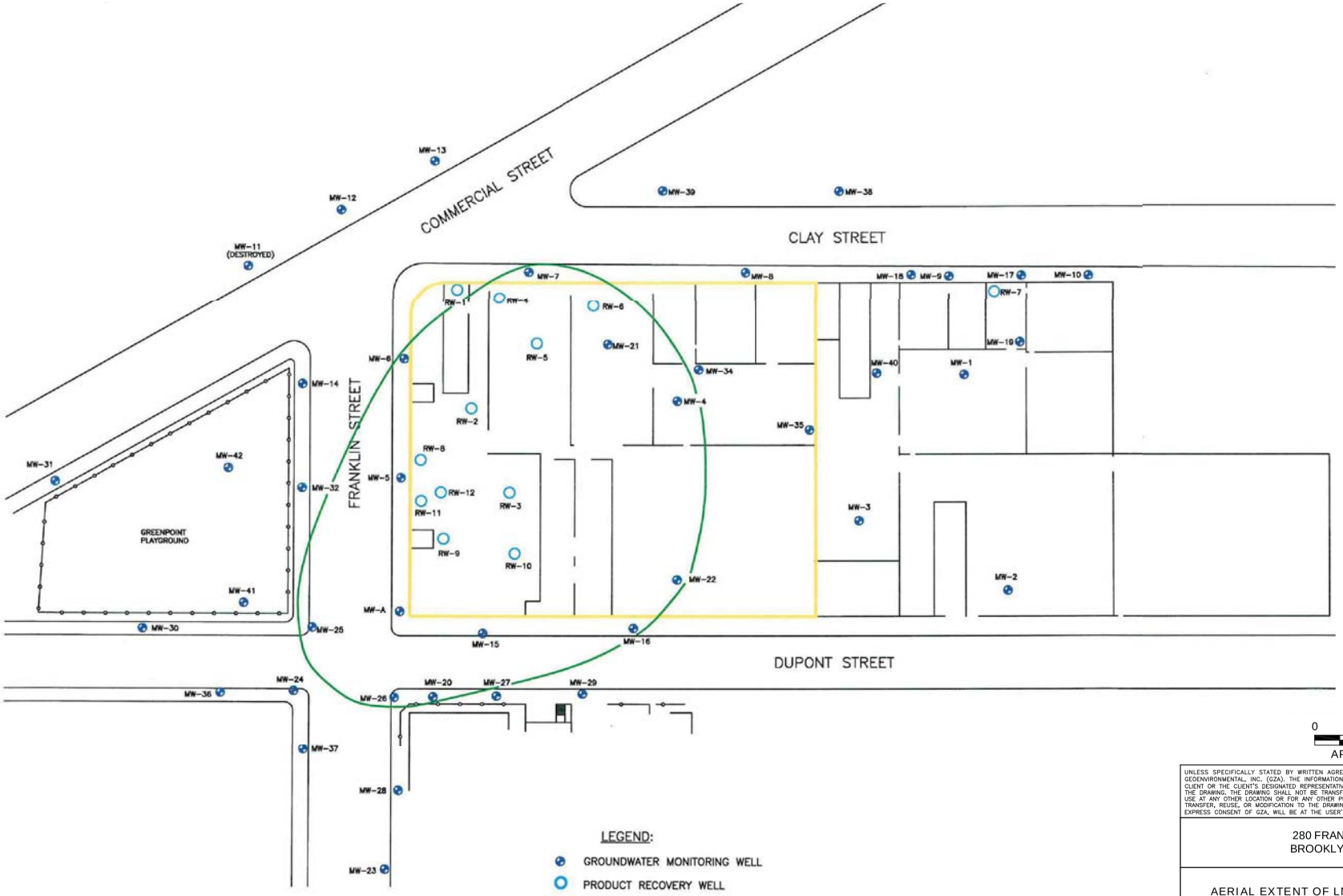
Site Soil Management Report

Pursuant to a request by the NYSDEC, GZA prepared the Site Soil Management Plan (SSMP) on October 28, 2016 to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. SSMP was followed during the pilot study sampling event.

Attachments

Attachment A – Apparent Thickness of LNAPL

Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater



NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY DUPONT STREET DEVELOPERS, LLC, ENTITLED "AERIAL EXTENT OF LNAPL ON GROUNDWATER," DATED MARCH 23, 2015, ORIGINAL SCALE 1" = 60'.

©2016 – GZA GeoEnvironmental, Inc. GZA–J:\76400's\12.0076485.00\Figures\CAD\76485.00.003.dwg [1] September 07, 2016 – 11:26am miguel.torres

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280 FRANKLIN STREET
BROOKLYN, NEW YORK

AERIAL EXTENT OF LNAPL ON GROUNDWATER

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: DUPONT STREET DEVELOPERS, LLC

PROJ MGR: JB	REVIEWED BY: ZS	CHECKED BY: JB	FIGURE	
DESIGNED BY: ZS	DRAWN BY: MT	SCALE: 1" = 60'	1	
DATE: AUGUST 2016	PROJECT NO. 12.0076485.00	REVISION NO.	SHEET NO.	

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Readings taken 5/23/18 between 7:00 am and 12:00 pm (High tide @ 3:43 AM and Low tide @ 10:27 AM)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	2018					2017											2016						
			May-18	Apr-18	Mar-18	Feb-18	Jan-18	Nov-17	Oct-17	Sep-17	Aug-17	Jul-17	Jun-17	May-17	Apr-17	Mar-17	Feb-17	Jan-17	Dec-16	Nov-16	Oct-16	Sep-16	Aug-16	Jul-16	Jun-16
MW – 4	10.65	11.78	1.13	0.65	0.73	*	0.92	2.12	0.81	1.76	1.73	1.23	1.77	ND*	1.32	1.61	1.13	1.31	1.30	1.00	1.18	1.35	1.71	1.73	1.80
MW – 5	9.73	11.56	1.83	2.77	2.19	2.21	4.65	5.83	2.19	4.44	4.4	3.71	3.54	2.81	2.80	3.13	4.05	3.00	3.55	4.43	3.64	3.22	4.31	4.03	4.29
MW – 6	8.74	9.24	0.5	2.47	0.74	##	##	##	1.22	3.19	3.15	##	##	##	##	##	##	##	##	##	##	##	##	##	##
MW – 7	8.98	10.97	1.99	1.80	2.03	2.55	3.32	4.91	1.48	1.45	1.41	0.9	0.00	1.50	1.92	2.53	3.71	1.28	0.78	1.73	0.91	0.04	1.89	1.58	2.22
MW – 8	ND	9.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	6.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	7.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	8.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	10.38	10.42	0.04	0.07	0.07	0.08	3.16	1.78	0.31	0.29	0.26	0.26	0.24	0.12	0.22	0.28	0.40	0.31	0.20	0.00	0.20	0.17	0.81	0.07	0.48
MW – 16	11.05	11.15	0.10	0.13	—	0.1	0.34	0.25	0.35	0.37	0.35	0.08	0.28	0.03	0.10	0.23	0.20	0.31	ND	ND	ND	ND	ND	0.01	0.25
MW – 20	10.48	12.03	1.55	2.52	1.77	1.02	3.15	3.99	2.52	2.58	2.63	2.9	2.83	2.61	2.94	2.33	3.02	3.02	2.88	3.28	2.90	3.16	2.89	2.88	2.85
MW – 21	11.10	12.52	1.42	1.62	1.38	2.29	3.83	4.79	3.26	3.35	2.13	1.45	2.75	3.31	3.30	3.04	3.62	7.59	3.27	3.32	1.25	2.39	3.61	2.96	2.95
MW – 22	11.89	12.78	0.89	0.76	1.11	0.28	0.37	1.77	1.25	1.24	1.21	0.75	0.66	0.66	0.78	0.64	0.65	0.50	0.51	0.38	0.30	0.01	0.51	0.87	0.62
MW – 23	ND	11.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	10.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	9.98	12.87	2.89	4.03	3.45	3.44	3.66	4.54	4.03	4.05	4.02	3.73	4.09	3.85	3.70	3.74	3.47	3.89	3.62	3.60	4.20	3.79	3.65	4.01	3.75
MW – 26	10.01	12.36	2.35	3.14	2.48	3.19	3.95	5.59	3.81	3.82	3.79	3.65	3.42	3.29	3.73	3.64	3.24	3.14	3.20	3.56	4.00	3.28	4.26	3.58	3.82
MW – 27	ND	10.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	10.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	10.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	9.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	9.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND
MW – 32	ND	9.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	11.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	14.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	10.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	11.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	9.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND
MW – 39	ND	8.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	6.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	9.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	9.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	8.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	11.91	11.99	0.08	1.65	0.08	5.52	4.01	5.19	0.56	0.58	0.53	6.09	6.25	0.42	1.13	2.90	3.09	3.53	1.65	1.18	1.26	1.35	1.88	2.05	2.41
RW – 3	14.98	17.01	2.03	2.52	2.12	3.03	ND	3.31	3.17	3.15	3.22	2.28	3.44	2.85	2.71	3.46	2.98	3.10	1.91	3.95	2.40	2.50	3.08	1.97	2.49
RW – 4	12.01	14.98	2.97	3.80	3.01	02.39	3.06	4.32	4.33	4.17	4.18	3.1	4.1	03.69	3.65	3.69	3.67	3.05	3.80	2.80	2.77	3.30	2.73	2.65	2.32
RW – 5	11.50	11.83	0.33	0.65	0.34	4.64	0.49	4.49	5.28	5.27	5.26	5.42	3.75	5.00	5.44	5.10	0.70	2.95	1.55	3.05	0.42	0.36	0.50	4.97	2.76
RW – 6	11.81	12.69	0.88	0.96	0.91	00.90	2.61	1.64	0.73	0.6	1.61	0.93	5.35	1.05	1.27	1.22	0.90	0.90	0.85	0.68	0.87	0.92	1.46	1.29	0.81
RW – 8 **	13.7	13.72	0.02	0.03	0.03	0.96	1.99	—	1.15	2.2	3.62	1.2	2.34	0.02	0.01	—	—	—	—	—	—	—	—	—	—
RW – 9	10.31	12.69	2.38	2.28	1.51	2.88	4.32	5.58	3.72	3.77	3.69	2.84	3.25	2.70	2.69	3.50	3.66	2.47	3.09	3.57	2.45	2.35	3.19	2.15	3.18
RW – 10	12.94	14.54	1.60	3.70	0.66	3.48	4.64	4.28	3.65	3.67	3.71	3.67	3.78	4.07	3.79	4.27	4.70	4.15	3.86	3.45	3.80	3.36	4.44	3.91	3.69
RW – 11	13.31	15.83	2.52	4.34	2.41	2.50	5.01	5.5	2.97	4.57	3.93	2.33	3.00	2.92	3.00	3.55	3.73	2.65	1.90	2.04	2.43	2.12	3.66	2.98	3.43
RW– 12 **	12.81	12.83	0.02	2.61	0.02	1.12	1.5	5.96	3.65	5.4	2.68	0.01	0.03	0.01	0.02	0.80	3.89	—	—	—	—	—	—	—	—

Notes:

Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= :LNAPL observed, apparent thickness not determinded
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation
Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry**
**** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on May 23, 2018

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	arent Thickness of LNAPL (feet)																
	2015																
	May-16	Apr-16	Mar-16	Feb-16	Jan-16	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15
MW – 4	1.53	1.73	1.43	1.85	1.77	1.96	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—
MW – 5	3.07	3.18	3.14	1.85	3.24	4.83	5.41	4.16	4.26	4.45	4.22	2.30	2.41	2.55	3.10	4.40
MW – 6	##	##	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##
MW – 7	2.11	1.90	1.66	2.31	2.47	3.44	3.31	2.58	1.46	1.28	0.99	1.58	ND	1.94	1.79	##
MW – 8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 12	ND	ND	—	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 13	ND	ND	ND	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	0.22	0.71	0.03	0.04	0.60	3.08	3.07	1.97	1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71
MW – 16	0.02	0.01	0.02	0.16	0.02	0.11	0.02	0.12	0.05	0.05	0.14	0.13	0.15	0.03	0.08	0.02
MW – 20	2.22	2.49	2.43	1.99	2.46	3.52	3.02	3.33	3.25	3.12	2.88	2.58	2.79	3.84	4.38	5.13
MW – 21	2.63	4.18	2.68	2.42	2.97	4.46	3.85	4.51	3.63	3.32	2.97	2.53	2.77	2.98	3.46	3.23
MW – 22	0.45	0.48	0.44	0.15	0.22	1.33	1.01	0.49	1.17	1.04	0.79	0.86	0.84	0.74	1.33	1.27
MW – 23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.55	3.33	3.42	3.32	3.43	3.68	3.53	3.63	3.53	3.68	3.53	2.81	3.24	3.36	1.07	1.03
MW – 26	3.41	3.37	2.97	3.82	3.41	4.23	4.08	3.77	4.00	3.70	3.65	3.18	3.33	3.64	4.14	4.11
MW – 27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	3.02	2.12	3.34	2.70	2.83	4.28	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52
RW – 3	1.64	2.17	2.09	1.64	2.37	4.27	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81	3.28	3.41
RW – 4	2.02	2.22	2.93	2.03	2.51	2.82	2.31	1.99	1.09	2.02	3.65	3.66	3.53	3.53	1.43	1.35
RW – 5	2.47	2.66	3.21	2.53	1.92	1.96	5.64	4.18	2.03	5.79	4.87	4.69	4.75	0.70	0.85	0.91
RW – 6	0.67	0.73	0.74	0.76	0.74	0.77	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.71	1.19	1.14
RW – 8 **	—	—	—	—	—	—	—	—	—	—	—	—	—	2.14	2.93	2.92
RW – 9	2.75	3.09	3.81	2.42	3.46	4.62	4.37	3.52	2.68	3.23	3.04	4.82	4.79	4.28	5.68	5.65
RW – 10	3.74	3.66	3.67	4.69	4.77	4.46	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04
RW – 11	3.08	2.94	3.05	2.45	3.07	4.65	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97
RW– 12 **	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usi
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-
Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	2014									2013										2012			
	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12
MW – 4	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW – 5	4.79	5.03	1.97	3.39	—	3.14	2.80	2.98	—	6.46	7.17	5.54	##	5.08	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW – 6	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW – 7	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW – 8	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	2.19	2.32	##	0.45	—	0.61	0.30	0.38	—	3.11	3.19	3.34	##	2.14	0.70	–	0.32	1.07	–	1.56	0.99	0.76	2.67
MW – 16	—	0.03	0.99	Trace	—	0.01	0.01	0.10	—	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW – 20	1.87	1.71	2.92	2.06	—	1.47	2.90	2.58	4.19	5.07	4.90	4.11	##	3.33	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW – 21	3.62	4.64	4.90	1.99	—	2.69	2.47	2.48	3.37	3.13	3.72	4.66	##	4.37	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW – 22	1.03	1.02	0.54	0.85	—	0.74	0.86	0.75	1.22	1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW – 23	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.16	4.02	3.65	3.48	—	3.91	3.75	—	—	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW – 26	3.84	3.70	4.50	3.02	—	2.71	3.48	3.80	4.34	4.44	4.47	4.62	##	4.18	3.69	2.86	2.33	1.00	2.45	1.62	–	2.61	4.02
MW – 27	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 30	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 31	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 32	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 34	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 35	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 36	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 37	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 38	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 39	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 40	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND
RW – 2	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW – 3	3.50	3.45	3.56	4.12	—	1.58	2.90	2.28	4.60 (est)	3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW – 4	2.78	2.88	##	2.86	—	1.81	3.25	3.27	2.45	2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95	—	3.45	3.35
RW – 5	0.85	0.43	0.17	0.17	—	0.12	0.93	0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	—	—	—	2.35	3.00	1.88	–
RW – 6	0.71	0.64	0.78	0.79	—	0.45	1.28	0.96	0.41	0.94	1.30	0.67	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW – 8 **	4.01	4.48	##	2.95	—	0.65	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	—	—	—	—	—	—	—	—
RW – 9	4.81	4.59	4.92	4.14	—	1.02	2.90	2.71	4.34	5.25	4.88	3.08	##	4.09	2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW – 10	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—
RW – 11	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usi
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-
Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

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GZA GeoEnvironmental of NY
104 West 29th Street
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July 2, 2018
File No. 12.0076485.00

Via email: yukyin.wong@dec.ny.gov
Mr. Bryan Wong
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101

Re: Project Status Report
Former NuHart Plastic Manufacturing Site # 224136
280 Franklin Street
Brooklyn, New York

Dear Mr. Wong:

Goldberg Zoino and Associates of New York, PC d/b/a GZA GeoEnvironmental of New York is transmitting this Project Status Report on behalf of Dupont Street Developers, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Dawn Hettrick of the New York State Department of Health. The Project Status Report is for June 2018. If you have any questions, please contact us at 973-774-3302 or 973-774-3307.

Sincerely,
GZA GeoEnvironmental of New York,

Steven J. Roland
Steven Roland, P.E.
Senior Consultant

David M. Winslow, Ph.D., P.G.
Principal

Ernest R. Hanna
Ernest R. Hanna, P.E.
Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov
Dupont Street Developers, LLC Email: bojinzhu@gmail.com
Joseph Brunner Email: yb321@yahoo.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Wendy A. Marsh Email: wmarsh@hancocklaw.com

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This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in June 2018. Activities during this period were conducted by GZA GeoEnvironmental of New York. (GZA). GZA representatives also participated in Site evaluations and communications, and additional activities were conducted by others, as noted below. A Site Plan showing the general Site layout, nearby area, and associated wells is included as Figure 1. Schedule information is presented under each activity discussion.

Interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site were performed during the monitoring period in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by GZA on June 15th and 19th, 2018. Activities on June 15th consisted of manual removal of oil from skimmer holding tanks. The remainder of IRM activities took place on June 19th. A table documenting the apparent LNAPL thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL based on the monitoring date is provided as **Figure 1**.

Maintenance Activities

General maintenance activities were performed, including collection of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials as needed to contain LNAPL, and proper labeling of waste containers used during this IRM event. Both skimming systems associated with recovery wells RW-8 and RW-12 were found to be powered and operational during the Site visit. The RW-12 skimmer continues to have operational issues due to it's age and condition. The high-level shut off switch continues to be problematic, requiring the collected LNAPL to be removed every 3 weeks to prevent an overflow condition. GZA continues to remove the collected oil manually on a scheduled basis every 3-weeks to prevent any overflow.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was conducted on June 19th, 2018. Well gauging was conducted from 7:00 am to 12:00 pm. Flood tides were observed with low tide at 8:47AM and high tide at 3:16 PM. (ref. NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY). The wells that could not be accessed are noted on **Attachment A**. All wells containing LNAPL are noted, as are wells where LNAPL is absent. No changes were noted in the horizontal extent of the LNAPL. The depths to the water table were variable relative to the depths noted in the May 2018 status report, with some wells showing increases and some wells showing decreases. LNAPL apparent thicknesses were also variable, with increases generally noted in wells where the depth to water increased and decreases noted in wells where the depth to water decreased.

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The skimmer holding tanks were emptied during this event. The amount of LNAPL removed was estimated at 75 gallons, consisting of LNAPL from recovery wells RW-12 (64 gallons) and RW-8 (11 gallons). Based on previous LNAPL estimates, an estimated 3,053 gallons of product have been removed from the subsurface since early 2015, with most of the LNAPL disposed. The removed LNAPL is stored in intermediate bulk container (IBC) tanks located in the Site building, pending pickup and offsite disposal. When the IBC tanks are nearly full, and/or the containerized spent absorbent materials require disposal, the designated waste management company will be contacted and waste disposal requested.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. To date, Eastern has transported and disposed an estimated 2,616 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

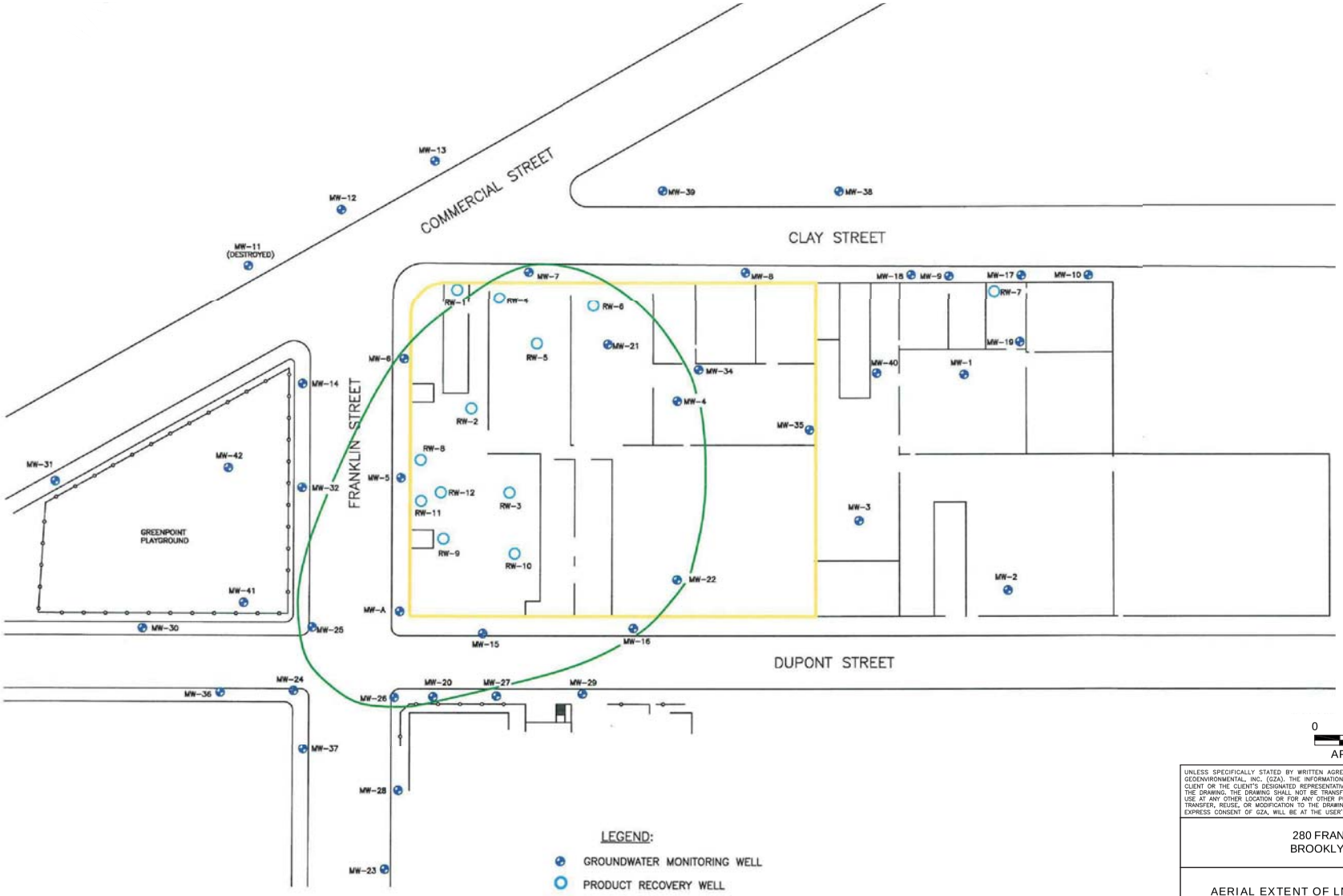
Site Soil Management Report

Pursuant to a request by the NYSDEC, GZA prepared the Site Soil Management Plan (SSMP) on October 28, 2016 to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. This SSMP was followed during the pilot study sampling event.

Attachments

Attachment A – Apparent Thickness of LNAPL

Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater



NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY DUPONT STREET DEVELOPERS, LLC, ENTITLED "AERIAL EXTENT OF LNAPL ON GROUNDWATER," DATED MARCH 23, 2015, ORIGINAL SCALE 1" = 60'.

©2016 – GZA GeoEnvironmental, Inc. GZA–J:\76400's\12.0076485.00\Figures\CAD\76485.00.003.dwg [1] September 07, 2016 – 11:26am miguel.torres

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

280 FRANKLIN STREET
BROOKLYN, NEW YORK

AERIAL EXTENT OF LNAPL ON GROUNDWATER

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: DUPONT STREET DEVELOPERS, LLC
PROJ MGR: JB	REVIEWED BY: ZS
DESIGNED BY: ZS	DRAWN BY: MT
DATE: AUGUST 2016	PROJECT NO. 12.0076485.00
CHECKED BY: JB	SCALE: 1" = 60'
REVISION NO.	FIGURE 1 SHEET NO.

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Readings taken 6/19/18 between 7:00 am and 12:00 pm (High tide @ 3:16 PM and Low tide @ 8:47 AM)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	2018						2017											2016				
			Jun-18	May-18	Apr-18	Mar-18	Feb-18	Jan-18	Nov-17	Oct-17	Sep-17	Aug-17	Jul-17	Jun-17	May-17	Apr-17	Mar-17	Feb-17	Jan-17	Dec-16	Nov-16	Oct-16	Sep-16	Aug-16
MW – 4	10.71	10.83	0.12	1.13	0.65	0.73	*	0.92	2.12	0.81	1.76	1.73	1.23	1.77	ND*	1.32	1.61	1.13	1.31	1.30	1.00	1.18	1.35	1.71
MW – 5	9.95	11.61	1.66	1.83	2.77	2.19	2.21	4.65	5.83	2.19	4.44	4.4	3.71	3.54	2.81	2.80	3.13	4.05	3.00	3.55	4.43	3.64	3.22	4.31
MW – 6	8.95	9.5	0.55	0.50	2.47	0.74	##	##	##	1.22	3.19	3.15	##	##	##	##	##	##	##	##	##	##	##	##
MW – 7	9.03	10.92	1.89	1.99	1.80	2.03	2.55	3.32	4.91	1.48	1.45	1.41	0.9	0.00	1.50	1.92	2.53	3.71	1.28	0.78	1.73	0.91	0.04	1.89
MW – 8	ND	9.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	7.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	7.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	8.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	10.59	10.63	0.04	0.04	0.07	0.07	0.08	3.16	1.78	0.31	0.29	0.26	0.26	0.24	0.12	0.22	0.28	0.40	0.31	0.20	0.80	0.20	0.17	0.81
MW – 16	11.25	11.31	0.06	0.10	0.13	__	0.1	0.34	0.25	0.35	0.37	0.35	0.08	0.28	0.03	0.10	0.23	0.20	0.31	ND	ND	ND	ND	ND
MW – 20	10.58	11.98	1.4	1.55	2.52	1.77	1.02	3.15	3.99	2.52	2.58	2.63	2.9	2.83	2.61	2.94	2.33	3.02	3.02	2.88	3.28	2.90	3.16	2.89
MW – 21	11.15	12.58	1.43	1.42	1.62	1.38	2.29	3.83	4.79	3.26	3.35	2.13	1.45	2.75	3.31	3.30	3.04	3.62	7.59	3.27	3.32	1.25	2.39	3.61
MW – 22	11.97	12.94	0.97	0.89	0.76	1.11	0.28	0.37	1.77	1.25	1.24	1.21	0.75	0.66	0.66	0.78	0.64	0.65	0.50	0.51	0.38	0.30	0.01	0.51
MW – 23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	10.08	12.93	2.85	2.89	4.03	3.45	3.44	3.66	4.54	4.03	4.05	4.02	3.73	4.09	3.85	3.70	3.74	3.47	3.89	3.62	3.60	4.20	3.79	3.65
MW – 26	10.26	11.01	0.75	2.35	3.14	2.48	3.19	3.95	5.59	3.81	3.82	3.79	3.65	3.42	3.29	3.73	3.64	3.24	3.14	3.20	3.56	4.00	3.28	4.26
MW – 27	ND	10.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	10.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	10.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	9.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	9.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
MW – 32	ND	9.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	11.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	14.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	10.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	11.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	9.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—
MW – 39	ND	8.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	6.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	9.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	9.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	8.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	12.05	12.11	0.06	0.08	1.65	0.08	5.52	4.01	5.19	0.56	0.58	0.53	6.09	6.25	0.42	1.13	2.90	3.09	3.53	1.65	1.18	1.26	1.35	1.88
RW – 3	14.97	17.05	2.08	2.03	2.52	2.12	3.03	ND	3.31	3.17	3.15	3.22	2.28	3.44	2.85	2.71	3.46	2.98	3.10	1.91	3.95	2.40	2.50	3.08
RW – 4	12.10	15.06	2.96	2.97	3.80	3.01	02.39	3.06	4.32	4.33	4.17	4.18	3.1	4.1	03.69	3.65	3.69	3.67	3.05	3.80	2.80	2.77	3.30	2.73
RW – 5	11.56	12.00	0.44	0.33	0.65	0.34	4.64	0.49	4.49	5.28	5.27	5.26	5.42	3.75	5.00	5.44	5.10	0.70	2.95	1.55	3.05	0.42	0.36	0.50
RW – 6	11.89	12.72	0.83	0.88	0.96	0.91	00.90	2.61	1.64	0.73	0.6	1.61	0.93	5.35	1.05	1.27	1.22	0.90	0.90	0.85	0.68	0.87	0.92	1.46
RW – 8 **	13.9	13.92	0.02	0.02	0.03	0.03	0.96	1.99	—	1.15	2.2	3.62	1.2	2.34	0.02	0.01	—	—	—	—	—	—	—	—
RW – 9	13.37	13.48	0.11	2.38	2.28	1.51	2.88	4.32	5.58	3.72	3.77	3.69	2.84	3.25	2.70	2.69	3.50	3.66	2.47	3.09	3.57	2.45	2.35	3.19
RW – 10	13.10	14.62	1.52	1.60	3.70	0.66	3.48	4.64	4.28	3.65	3.67	3.71	3.67	3.78	4.07	3.79	4.27	4.70	4.15	3.86	3.45	3.80	3.36	4.44
RW – 11	13.36	15.87	2.51	2.52	4.34	2.41	2.50	5.01	5.5	2.97	4.57	3.93	2.33	3.00	2.92	3.00	3.55	3.73	2.65	1.90	2.04	2.43	2.12	3.66
RW– 12 **	13.04	13.15	0.11	0.02	2.61	0.02	1.12	1.5	5.96	3.65	5.4	2.68	0.01	0.03	0.01	0.02	0.80	3.89	—	—	—	—	—	—

Notes:

Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= :LNAPL observed, apparent thickness not determinded
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation
Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry**
**** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on June 19, 2018

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	Apparent Thickness of LNAPL (feet)																	
	2016							2015										
	Jul-16	Jun-16	May-16	Apr-16	Mar-16	Feb-16	Jan-16	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15
MW – 4	1.73	1.80	1.53	1.73	1.43	1.85	1.77	1.96	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—
MW – 5	4.03	4.29	3.07	3.18	3.14	1.85	3.24	4.83	5.41	4.16	4.26	4.45	4.22	2.30	2.41	2.55	3.10	4.40
MW – 6	##	##	##	##	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##
MW – 7	1.58	2.22	2.11	1.90	1.66	2.31	2.47	3.44	3.31	2.58	1.46	1.28	0.99	1.58	ND	1.94	1.79	##
MW – 8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 12	ND	ND	ND	ND	—	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 13	ND	ND	ND	ND	ND	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—
MW – 14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	0.07	0.48	0.22	0.71	0.03	0.04	0.60	3.08	3.07	1.97	1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71
MW – 16	0.01	0.25	0.02	0.01	0.02	0.16	0.02	0.11	0.02	0.12	0.05	0.05	0.14	0.13	0.15	0.03	0.08	0.02
MW – 20	2.88	2.85	2.22	2.49	2.43	1.99	2.46	3.52	3.02	3.33	3.25	3.12	2.88	2.58	2.79	3.84	4.38	5.13
MW – 21	2.96	2.95	2.63	4.18	2.68	2.42	2.97	4.46	3.85	4.51	3.63	3.32	2.97	2.53	2.77	2.98	3.46	3.23
MW – 22	0.87	0.62	0.45	0.48	0.44	0.15	0.22	1.33	1.01	0.49	1.17	1.04	0.79	0.86	0.84	0.74	1.33	1.27
MW – 23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	4.01	3.75	3.55	3.33	3.42	3.32	3.43	3.68	3.53	3.63	3.53	3.68	3.53	2.81	3.24	3.36	1.07	1.03
MW – 26	3.58	3.82	3.41	3.37	2.97	3.82	3.41	4.23	4.08	3.77	4.00	3.70	3.65	3.18	3.33	3.64	4.14	4.11
MW – 27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	2.05	2.41	3.02	2.12	3.34	2.70	2.83	4.28	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52
RW – 3	1.97	2.49	1.64	2.17	2.09	1.64	2.37	4.27	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81	3.28	3.41
RW – 4	2.65	2.32	2.02	2.22	2.93	2.03	2.51	2.82	2.31	1.99	1.09	2.02	3.65	3.66	3.53	3.53	1.43	1.35
RW – 5	4.97	2.76	2.47	2.66	3.21	2.53	1.92	1.96	5.64	4.18	2.03	5.79	4.87	4.69	4.75	0.70	0.85	0.91
RW – 6	1.29	0.81	0.67	0.73	0.74	0.76	0.74	0.77	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.71	1.19	1.14
RW – 8 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.14	2.93	2.92
RW – 9	2.15	3.18	2.75	3.09	3.81	2.42	3.46	4.62	4.37	3.52	2.68	3.23	3.04	4.82	4.79	4.28	5.68	5.65
RW – 10	3.91	3.69	3.74	3.66	3.67	4.69	4.77	4.46	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04
RW – 11	2.98	3.43	3.08	2.94	3.05	2.45	3.07	4.65	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97
RW– 12 **	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usi
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-
Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	2014									2013											2012			
	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12
MW – 4	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW – 5	4.79	5.03	1.97	3.39	—	3.14	2.80	2.98	—	6.46	7.17	5.54	##	5.08	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW – 6	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW – 7	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW – 8	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	2.19	2.32	##	0.45	—	0.61	0.30	0.38	—	3.11	3.19	3.34	##	2.14	0.70	–	0.32	1.07	–	1.56	0.99	0.76	2.67
MW – 16	—	0.03	0.99	Trace	—	0.01	0.01	0.10	—	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW – 20	1.87	1.71	2.92	2.06	—	1.47	2.90	2.58	4.19	5.07	4.90	4.11	##	3.33	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW – 21	3.62	4.64	4.90	1.99	—	2.69	2.47	2.48	3.37	3.13	3.72	4.66	##	4.37	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW – 22	1.03	1.02	0.54	0.85	—	0.74	0.86	0.75	1.22	1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW – 23	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	3.16	4.02	3.65	3.48	—	3.91	3.75	—	—	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW – 26	3.84	3.70	4.50	3.02	—	2.71	3.48	3.80	4.34	4.44	4.47	4.62	##	4.18	3.69	2.86	2.33	1.00	2.45	1.62	–	2.61	4.02
MW – 27	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 30	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 31	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 32	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 34	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 35	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 36	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 37	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 38	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 39	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 40	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 41	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND
RW – 2	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW – 3	3.50	3.45	3.56	4.12	—	1.58	2.90	2.28	4.60 (est)	3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW – 4	2.78	2.88	##	2.86	—	1.81	3.25	3.27	2.45	2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95	—	3.45	3.35
RW – 5	0.85	0.43	0.17	0.17	—	0.12	0.93	0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	—	—	—	2.35	3.00	1.88	–
RW – 6	0.71	0.64	0.78	0.79	—	0.45	1.28	0.96	0.41	0.94	1.30	0.67	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW – 8 **	4.01	4.48	##	2.95	—	0.65	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	—	—	—	—	—	—	—	—
RW – 9	4.81	4.59	4.92	4.14	—	1.02	2.90	2.71	4.34	5.25	4.88	3.08	##	4.09	2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW – 10	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—
RW – 11	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded usi
= :LNAPL obse
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-
Well-34 has uneven
est= Estimated Val
*** = Well was dry**
**** = Well equipped**
__= Data not recor
Wells were gauged

HALEY & ALDRICH OF NEW YORK
1441 Broadway, Suite 6031
New York, NY 10018
646.518.7735

10 December 2018
File No. 133110-002

Via Email: yukyin.wong@dec.ny.gov
New York Start Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101

Attention: Mr. Bryan Wong

Subject: Project Status Report
Former NuHart Plastics Manufacturing Site # 224136
280 Franklin Street
Brooklyn, New York

Dear Mr. Wong:

Haley & Aldrich of New York is pleased to present this Project Status Report on behalf of Dupont Street Developers, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Dawn Hettrick of the New York State Department of Health. The Project Status Report is for October 2018 to November 2018. If you have any questions, please contact us at 646-518-7735.

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

James Bellew
Senior Associate

CC:

Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov
Dupont Street Developers, LLC Email: bojinzhu@gmail.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Wendy A. Marsh Email: wmarsh@hancocklaw.com

This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) from October 2018 through November 2018. Activities during this period were conducted by Haley and Aldrich of New York (HANY). A Site Plan showing the general Site layout, nearby area, and associated wells is included as Figure 1.

Interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site were performed during the monitoring period in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system.

Interim Remedial Measure Activities

The IRM routine activities (Monthly) were performed by HANY on 4 December 2018. The apparent LNAPL thickness measurement table is provided as Attachment A. Additionally, a Well Location Map showing the extent of LNAPL based on the monitoring date is shown as **Figure 1**.

Maintenance Activities

General maintenance activities include collection of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials, general housekeeping activities and proper labeling of waste containers generated during this IRM event. Both skimming systems associated with recovery wells RW-8 and RW-12 were found to be powered and operational during the Site visit.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was performed and the wells that could not be accessed and/or gauged are identified on **Attachment A**. No changes were observed in the lateral extent of the LNAPL plume. On 4 December 2018, high tide was observed from 7:00 AM to 1:00 PM during the well gauging period (by NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY). The depths to the water table were variable relative to the depths noted in the previous status reports, with some wells showing increases and some wells showing decreases. LNAPL apparent thicknesses were also variable, with increases generally noted in wells where the depth to water increased and decreases noted in wells where the depth to water decreased.

The product recovery holding reservoirs were emptied during this event. The amount of LNAPL removed from the wells was estimated at 105 gallons, including LNAPL from the drums associated with the skimmers on recovery wells RW-8 and RW-12. Based on previous LNAPL estimates, an estimated 2,670 gallons of product have been removed from the subsurface since early 2015, with most of the LNAPL disposed. The removed LNAPL is stored in intermediate bulk container (IBC) tanks located in the Site building, pending pickup and offsite disposal. When the IBC tanks are nearly full and/or the containerized spent absorbent materials require disposal, the designated waste management company will be contacted and waste disposal requested.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. To date, Eastern has transported and disposed an estimated 2,116 gallons of product at the CycleChem facility in Elizabeth, NJ as hazardous waste. No waste was transported from the Site during this period and transportation and disposal

information will continue to be included in the progress reports following the months during which disposal activities occur.

Feasibility Study and Proposed Remedial Action Work Plan (PRAP)

The Feasibility study prepared by GZA was submitted to the NYSDEC in January 2017. The NYSDEC issued the proposed remedial action work plan (PRAP) in September 2018. A public comment hearing was held on 4 October 2018 to discuss the proposed remedy for the Site. The public comment period ended on 9 November 2018.

Site Soil Management Report

There were no requests for evaluation of potential work in the LNAPL plume area during this period.

Attachments

Attachment A – Apparent Thickness of LNAPL
Attachment B – Well Location Map showing areal extent of LNAPL on groundwater

Attachment A

Apparent Thickness of LNAPL

HALEY ALDRICH

Table 1:
Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street
Brooklyn, NY

Readings taken 12/04/18 between 8:00 am and 1:00 pm (High tide @ 7:10 AM and Low tide @ 1:02 PM)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																															
			2018								2017												2016												
			Dec-18	Oct-18	Jun-18	May-18	Apr-18	Mar-18	Feb-18	Jan-18	Nov-17	Oct-17	Sep-17	Aug-17	Jul-17	Jun-17	May-17	Apr-17	Mar-17	Feb-17	Jan-17	Dec-16	Nov-16	Oct-16	Sep-16	Aug-16	Jul-16	Jun-16	May-16	Apr-16	Mar-16	Feb-16	Jan-16
MW – 4	ND*	ND*	ND*	ND*	0.12	1.13	0.65	0.73	*	0.92	2.12	0.81	1.76	1.73	1.23	1.77	ND*	1.32	1.61	1.13	1.31	1.30	1.00	1.18	1.35	1.71	1.73	1.80	1.53	1.73	1.43	1.85	1.77
MW – 5	9.39	12.22	2.83	4.12	1.66	1.83	2.77	2.19	2.21	4.65	5.83	2.19	4.44	4.4	3.71	3.54	2.81	2.80	3.13	4.05	3.00	3.55	4.43	3.64	3.22	4.31	4.03	4.29	3.07	3.18	3.14	1.85	3.24
MW – 6	8.05	ND*	##	ND	0.55	0.50	2.47	0.74	##	##	##	1.22	3.19	3.15	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##
MW – 7	8.75	9.68	0.93	0.54	1.89	1.99	1.80	2.03	2.55	3.32	4.91	1.48	1.45	1.41	0.9	0.00	1.50	1.92	2.53	3.71	1.28	0.78	1.73	0.91	0.04	1.89	1.58	2.22	2.11	1.90	1.66	2.31	2.47
MW – 8	ND	9.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	6.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—
MW – 13	ND	7.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—
MW – 14	ND	8.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	10.47	10.73	0.26	0.12	0.04	0.04	0.07	0.07	0.08	3.16	1.78	0.31	0.29	0.26	0.26	0.24	0.12	0.22	0.28	0.40	0.31	0.20	0.80	0.20	0.17	0.81	0.07	0.48	0.22	0.71	0.03	0.04	0.60
MW – 16	10.79	10.98	0.19	0.20	0.06	0.10	0.13	__	0.1	0.34	0.25	0.35	0.37	0.35	0.08	0.28	0.03	0.10	0.23	0.20	0.31	ND	ND	ND	ND	ND	0.01	0.25	0.02	0.01	0.02	0.16	0.02
MW – 20	10.14	13.63	3.49	2.51	1.4	1.55	2.52	1.77	1.02	3.15	3.99	2.52	2.58	2.63	2.9	2.83	2.61	2.94	2.33	3.02	3.02	2.88	3.28	2.90	3.16	2.89	2.88	2.85	2.22	2.49	2.43	1.99	2.46
MW – 21	10.90	13.71	2.81	1.73	1.43	1.42	1.62	1.38	2.29	3.83	4.79	3.26	3.35	2.13	1.45	2.75	3.31	3.30	3.04	3.62	7.59	3.27	3.32	1.25	2.39	3.61	2.96	2.95	2.63	4.18	2.68	2.42	2.97
MW – 22	11.70	12.53	0.83	0.69	0.97	0.89	0.76	1.11	0.28	0.37	1.77	1.25	1.24	1.21	0.75	0.66	0.66	0.78	0.64	0.65	0.50	0.51	0.38	0.30	0.01	0.51	0.87	0.62	0.45	0.48	0.44	0.15	0.22
MW – 23	ND	10.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	10.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	9.76	13.65	3.89	3.44	2.85	2.89	4.03	3.45	3.44	3.66	4.54	4.03	4.05	4.02	3.73	4.09	3.85	3.70	3.74	3.47	3.89	3.62	3.60	4.20	3.79	3.65	4.01	3.75	3.55	3.33	3.42	3.32	3.43
MW – 26	9.79	13.63	3.84	3.45	0.75	2.35	3.14	2.48	3.19	3.95	5.59	3.81	3.82	3.79	3.65	3.42	3.29	3.73	3.64	3.24	3.14	3.20	3.56	4.00	3.28	4.26	3.58	3.82	3.41	3.37	2.97	3.82	3.41
MW – 27	ND	10.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	10.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	10.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	9.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	8.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND
MW – 32	ND	9.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	10.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	13.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	10.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	10.77	ND	ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	8.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND
MW – 39	ND	8.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	6.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	8.70	ND*	ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	8.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	12.74	14.37	1.63	5.54	0.06	0.08	1.65	0.08	5.52	4.01	5.19	0.56	0.58	0.53	6.09	6.25	0.42	1.13	2.90	3.09	3.53	1.65	1.18	1.26	1.35	1.88	2.05	2.41	3.02	2.12	3.34	2.70	2.83
RW – 3	14.65	17.28	2.63	3.77	2.08	2.03	2.52	2.12	3.03	ND	3.31	3.17	3.15	3.22	2.28	3.44	2.85	2.71	3.46	2.98	3.10	1.91	3.95	2.40	2.50	3.08	1.97	2.49	1.64	2.17	2.09	1.64	2.37
RW – 4	11.71	15.08	3.37	2.85	2.96	2.97	3.80	3.01	02.39	3.06	4.32	4.33	4.17	4.18	3.1	4.1	03.69	3.65	3.69	3.67	3.05	3.80	2.80	2.77	3.30	2.73	2.65	2.32	2.02	2.22	2.93	2.03	2.51
RW – 5	11.05	ND*	##	ND*	0.44	0.33	0.65	0.34	4.64	0.49	4.49	5.28	5.27	5.26	5.42	3.75	5.00	5.44	5.10	0.70	2.95	1.55	3.05	0.42	0.36	0.50	4.97	2.76	2.47	2.66	3.21	2.53	1.92
RW – 6	11.56	12.29	0.73	1.91	0.83	0.88	0.96	0.91	00.90	2.61	1.64	0.73	0.6	1.61	0.93	5.35	1.05	1.27	1.22	0.90	0.90	0.85	0.68	0.87	0.92	1.46	1.29	0.81	0.67	0.73	0.74	0.76	0.74
RW – 8 **	—	—	—	—	0.02	0.02	0.03	0.03	0.96	1.99	—	1.15	2.2	3.62	1.2	2.34	0.02	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
RW – 9	12.90	16.35	3.45	4.52	0.11	2.38	2.28	1.51	2.88	4.32	5.58	3.72	3.77	3.69	2.84	3.25	2.70	2.69	3.50	3.66	2.47	3.09	3.57	2.45	2.35	3.19	2.15	3.18	2.75	3.09	3.81	2.42	3.46
RW – 10	12.66	16.72	4.06	2.46	1.52	1.60	3.70	0.66	3.48	4.64	4.28	3.65	3.67	3.71	3.67	3.78	4.07	3.79	4.27	4.70	4.15	3.86	3.45	3.80	3.36	4.44	3.91	3.69	3.74	3.66	3.67	4.69	4.77
RW – 11	13.09	16.11	3.02	2.21	2.51	2.52	4.34	2.41	2.50	5.01	5.5	2.97	4.57	3.93	2.33	3.00	2.92	3.00	3.55	3.73	2.65	1.90	2.04	2.43	2.12	3.66	2.98	3.43	3.08	2.94	3.05	2.45	3.07
RW– 12 **	—	—	—	—	0.11	0.02	2.61	0.02	1.12	1.5	5.96	3.65	5.4	2.68	0.01	0.03	0.01	0.02	0.80	3.89	—	—	—	—	—	—	—	—	—	—		—	—

Notes:

Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= NAPL observed, apparent thickness not determined
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation
Total of 100 gallons of product removed from product revovery system: RW-8 = 45 gal, RW-12 = 55 gal
Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry**
**** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on December 4, 2018

Table 1:
Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street
Brooklyn, NY

Readings taken 12/04/18 between 8:00 am and 1:00 pm (High tide @ 7:10 AM and Low tide @ 1:02 PM)

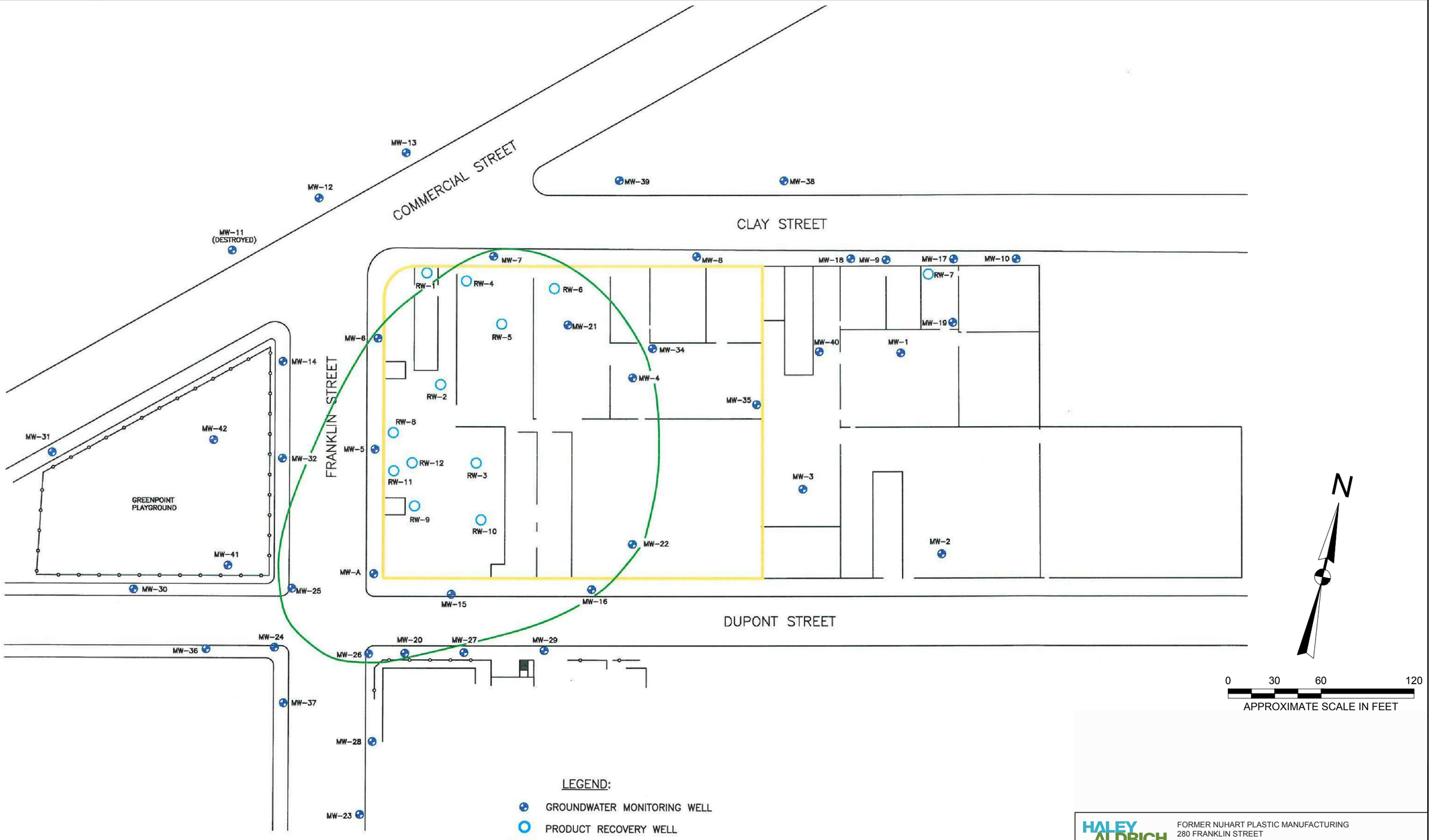
Well Number	*Depth to Product (feet)	*Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																																			
			2015											2014									2013											2012					
			Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12
MW – 4	ND*	ND*	1.96	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW – 5	9.39	12.22	4.83	5.41	4.16	4.26	4.45	4.22	2.30	2.41	2.55	3.10	4.40	4.79	5.03	1.97	3.39	—	3.14	2.80	2.98	—	6.46	7.17	5.54	##	5.08	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW – 6	8.05	ND*	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW – 7	8.75	9.68	3.44	3.31	2.58	1.46	1.28	0.99	1.58	ND	1.94	1.79	##	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW – 8	ND	9.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	6.95	ND	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	7.34	ND	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	8.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	10.47	10.73	3.08	3.07	1.97	1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71	2.19	2.32	##	0.45	—	0.61	0.30	0.38	—	3.11	3.19	3.34	##	2.14	0.70	–	0.32	1.07	–	1.56	0.99	0.76	2.67
MW – 16	10.79	10.98	0.11	0.02	0.12	0.05	0.05	0.14	0.13	0.15	0.03	0.08	0.02	—	0.03	0.99	Trace	—	0.01	0.01	0.10	—	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW – 20	10.14	13.63	3.52	3.02	3.33	3.25	3.12	2.88	2.58	2.79	3.84	4.38	5.13	1.87	1.71	2.92	2.06	—	1.47	2.90	2.58	4.19	5.07	4.90	4.11	##	3.33	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW – 21	10.90	13.71	4.46	3.85	4.51	3.63	3.32	2.97	2.53	2.77	2.98	3.46	3.23	3.62	4.64	4.90	1.99	—	2.69	2.47	2.48	3.37	3.13	3.72	4.66	##	4.37	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW – 22	11.70	12.53	1.33	1.01	0.49	1.17	1.04	0.79	0.86	0.84	0.74	1.33	1.27	1.03	1.02	0.54	0.85	—	0.74	0.86	0.75	1.22	1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW – 23	ND	10.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	10.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	9.76	13.65	3.68	3.53	3.63	3.53	3.68	3.53	2.81	3.24	3.36	1.07	1.03	3.16	4.02	3.65	3.48	—	3.91	3.75	—	—	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW – 26	9.79	13.63	4.23	4.08	3.77	4.00	3.70	3.65	3.18	3.33	3.64	4.14	4.11	3.84	3.70	4.50	3.02	—	2.71	3.48	3.80	4.34	4.44	4.47	4.62	##	4.18	3.69	2.86	2.33	1.00	2.45	1.62	–	2.61	4.02
MW – 27	ND	10.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	10.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	ND	10.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 30	ND	9.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 31	ND	8.95	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 32	ND	9.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 34	ND	10.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 35	ND	13.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 36	ND	10.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 37	ND	10.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 38	ND	8.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 39	ND	8.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 40	ND	6.25	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 41	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	ND	8.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	ND	8.42	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND
RW – 2	12.74	14.37	4.28	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW – 3	14.65	17.28	4.27	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81	3.28	3.41	3.50	3.45	3.56	4.12	—	1.58	2.90	2.28	4.60 (est)	3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW – 4	11.71	15.08	2.82	2.31	1.99	1.09	2.02	3.65	3.66	3.53	3.53	1.43	1.35	2.78	2.88	##	2.86	—	1.81	3.25	3.27	2.45	2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95	—	3.45	3.35
RW – 5	11.05	ND*	1.96	5.64	4.18	2.03	5.79	4.87	4.69	4.75	0.70	0.85	0.91	0.85	0.43	0.17	0.17	—	0.12	0.93	0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	—	—	—	2.35	3.00	1.88	–
RW – 6	11.56	12.29	0.77	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.71	1.19	1.14	0.71	0.64	0.78	0.79	—	0.45	1.28	0.96	0.41	0.94	1.30	0.67	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW – 8 **	—	—	—	—	—	—	—	—	—	—	2.14	2.93	2.92	4.01	4.48	##	2.95	—	0.65	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	—	—	—	—	—	—	—	—
RW – 9	12.90	16.35	4.62	4.37	3.52	2.68	3.23	3.04	4.82	4.79	4.28	5.68	5.65	4.81	4.59	4.92	4.14	—	1.02	2.90	2.71	4.34	5.25	4.88	3.08	##	4.09	2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW – 10	12.66	16.72	4.46	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—
RW – 11	13.09	16.11	4.65	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= NAPL observed, apparent thickness not determined
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation
Total of 100 gallons of product removed from product revovery system: RW-8 = 45 gal, RW-12 = 55 gal
Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry**
**** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on December 4, 2018

Attachment B

Site Figure



NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY DUPONT STREET DEVELOPERS, LLC, ENTITLED "AERIAL EXTENT OF LNAPL ON GROUNDWATER," DATED MARCH 23, 2015, ORIGINAL SCALE 1" = 60'.

HALEY ALDRICH

FORMER NUHART PLASTIC MANUFACTURING
280 FRANKLIN STREET
BROOKLYN, NEW YORK

AERIAL EXTENT OF LNAPL ON GROUNDWATER

DECEMBER 2018

FIGURE 1

©2016 – GZA GeoEnvironmental, Inc. GZA–J:\76400's\12.0076485.00\Figures\CAD\76485.00.003.dwg [1] September 07, 2016 – 11:26am miguel.torres

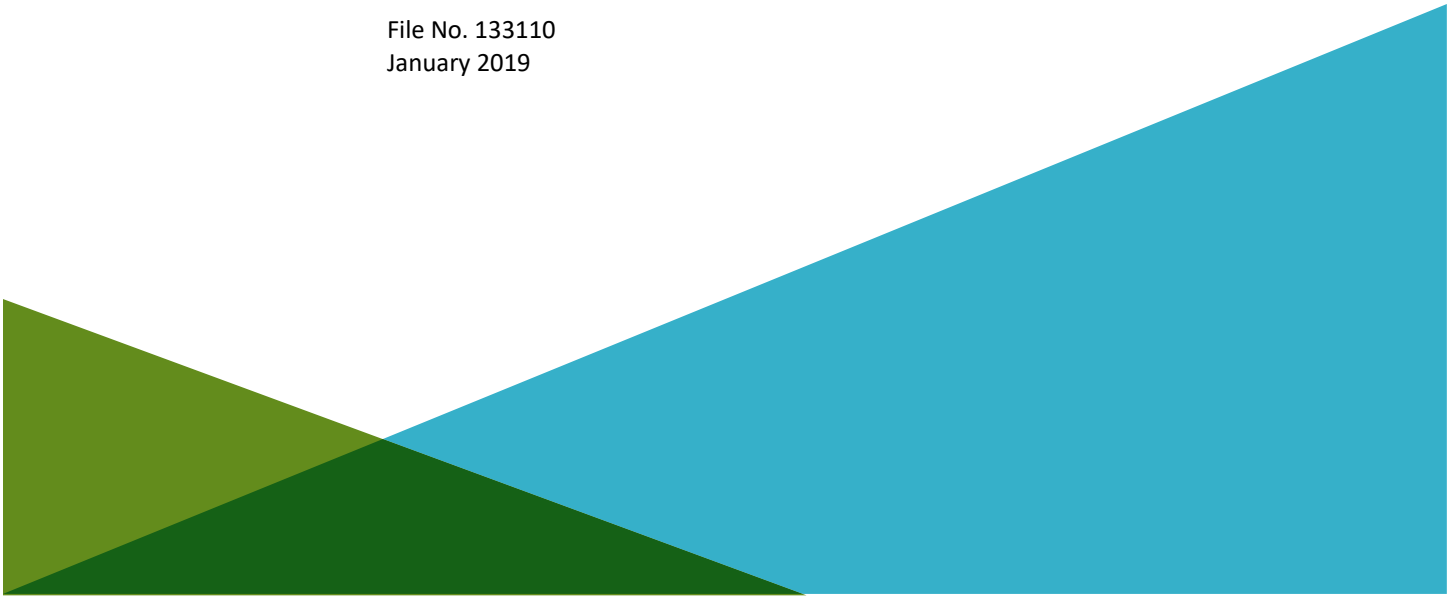
REPORT ON

NUHART PLASTICS SITE
49 DUPONT STREET
BROOKLYN, NEW YORK

by
Haley & Aldrich of New York
New York, New York

for
Dupont Street Developers, LLC
Elmhurst, New York

File No. 133110
January 2019



HALEY & ALDRICH OF NEW YORK
1441 Broadway, Suite 6031
New York, NY 10018
646.518.7735

9 January 2019
File No. 133110-002

Via Email: yukyin.wong@dec.ny.gov
New York Start Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101

Attention: Mr. Bryan Wong

Subject: Project Status Report
Former NuHart Plastics Manufacturing Site # 224136
280 Franklin Street
Brooklyn, New York

Dear Mr. Wong:

Haley & Aldrich of New York is pleased to present this Project Status Report on behalf of Dupont Street Developers, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Dawn Hettrick of the New York State Department of Health. The Project Status Report is for November 2018 to December 2018. If you have any questions, please contact us at 646-518-7735.

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

James Bellew
Senior Associate

CC:

Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov
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This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) from November 2018 through December 2018. Activities during this period were conducted by Haley and Aldrich of New York (HANY). A Site Plan showing the general Site layout, nearby area, and associated wells is included as Figure 1.

Interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site were performed during the monitoring period in general conformance with the New York State Department of Environmental Conservation (NYSDEC)-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system.

Interim Remedial Measure Activities

The IRM routine activities (Monthly) were performed by HANY on 7 January 2019. The apparent LNAPL thickness measurement table is provided as Attachment A. Additionally, a Well Location Map showing the extent of LNAPL based on the monitoring date is shown as **Figure 1**.

Maintenance Activities

General maintenance activities include collection of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials, general housekeeping activities and proper labeling of waste containers generated during this IRM event. Both skimming systems associated with recovery wells RW-8 and RW-12 were found to be powered and operational during the Site visit.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was performed and the wells that could not be accessed and/or gauged are identified on **Attachment A**. No changes were observed in the lateral extent of the LNAPL plume. On 7 January 2019, high tide was observed from 10:18 AM to 4:24 PM partially during the well gauging period (by NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY). The depths to the water table were variable relative to the depths noted in the previous status reports, with some wells showing increases and some wells showing decreases. LNAPL apparent thicknesses were also variable, with increases generally noted in wells where the depth to water increased and decreases noted in wells where the depth to water decreased.

As per request from Bryan Wong of NYSDEC, received by email on 4 January 2019, Haley & Aldrich included MW-1, MW-9, MW-10, MW-17, MW-18 and RW-7 as part of this month's monitoring activities. Of the additional six wells, three were accessible for monitoring (MW-10, MW-17 and MW-18) in which no LNAPL was identified. MW-9, located on the southern side of Clay Street, was paved over with new sidewalk. MW-1 and RW-7, located inside the facility on the northeast corner, were inaccessible due to debris and equipment located in the vicinity of the monitoring wells.

The product recovery holding reservoirs were emptied during this event. The amount of LNAPL removed from the wells was estimated at 70 gallons, including LNAPL from the drums associated with the skimmers on recovery wells RW-8 and RW-12. Based on previous LNAPL estimates, an estimated 2,750 gallons of product have been removed from the subsurface since early 2015, with most of the LNAPL disposed. The removed LNAPL is stored in intermediate bulk container (IBC) tanks located in the

Site building, pending pickup and offsite disposal. When the IBC tanks are nearly full and/or the containerized spent absorbent materials require disposal, the designated waste management company will be contacted and waste disposal requested.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. To date, Eastern has transported and disposed an estimated 2,116 gallons of product at the CycleChem facility in Elizabeth, NJ as hazardous waste. No waste was transported from the Site during this period and transportation and disposal information will continue to be included in the progress reports following the months during which disposal activities occur.

Feasibility Study and Proposed Remedial Action Work Plan (PRAP)

The Feasibility study prepared by GZA was submitted to the NYSDEC in January 2017. The NYSDEC issued the proposed remedial action work plan (PRAP) in September 2018. A public comment hearing was held on 4 October 2018 to discuss the proposed remedy for the Site. The public comment period ended on 9 November 2018.

Site Soil Management Report

There were no requests for evaluation of potential work in the LNAPL plume area during this period.

Attachments

Attachment A – Apparent Thickness of LNAPL
Attachment B – Well Location Map showing areal extent of LNAPL on groundwater

Attachment A

Apparent Thickness of LNAPL

HALEY ALDRICH

Table 1:
Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street
Brooklyn, NY

Readings taken 1/7/19 between 7:00 am and 12:00 pm (High tide @ 10:18 AM and Low tide @ 4:24 PM)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																													
			2019	2018								2017											2016									
			Jan-19	Dec-18	Oct-18	Jun-18	May-18	Apr-18	Mar-18	Feb-18	Jan-18	Nov-17	Oct-17	Sep-17	Aug-17	Jul-17	Jun-17	May-17	Apr-17	Mar-17	Feb-17	Jan-17	Dec-16	Nov-16	Oct-16	Sep-16	Aug-16	Jul-16	Jun-16	May-16	Apr-16	Mar-16
MW – 4	ND*	ND*	ND*	ND*	ND*	0.12	1.13	0.65	0.73	ND*	0.92	2.12	0.81	1.76	1.73	1.23	1.77	ND*	1.32	1.61	1.13	1.31	1.30	1.00	1.18	1.35	1.71	1.73	1.80	1.53	1.73	1.43
MW – 5	9.54	12.16	2.62	2.83	4.12	1.66	1.83	2.77	2.19	2.21	4.65	5.83	2.19	4.44	4.4	3.71	3.54	2.81	2.80	3.13	4.05	3.00	3.55	4.43	3.64	3.22	4.31	4.03	4.29	3.07	3.18	3.14
MW – 6	8.72	ND	##	##	ND	0.55	0.50	2.47	0.74	##	##	##	1.22	3.19	3.15	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##
MW – 7	8.56	9.70	1.14	0.93	0.54	1.89	1.99	1.80	2.03	2.55	3.32	4.91	1.48	1.45	1.41	0.9	0.00	1.50	1.92	2.53	3.71	1.28	0.78	1.73	0.91	0.04	1.89	1.58	2.22	2.11	1.90	1.66
MW – 8	ND	9.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	7.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—
MW – 13	ND	7.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	8.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	10.19	11.03	0.84	0.26	0.12	0.04	0.04	0.07	0.07	0.08	3.16	1.78	0.31	0.29	0.26	0.26	0.24	0.12	0.22	0.28	0.40	0.31	0.20	0.80	0.20	0.17	0.81	0.07	0.48	0.22	0.71	0.03
MW – 16	10.81	10.98	0.17	0.19	0.20	0.06	0.10	0.13	—	0.1	0.34	0.25	0.35	0.37	0.35	0.08	0.28	0.03	0.10	0.23	0.20	0.31	ND	ND	ND	ND	ND	0.01	0.25	0.02	0.01	0.02
MW – 20	10.11	12.88	2.77	3.49	2.51	1.4	1.55	2.52	1.77	1.02	3.15	3.99	2.52	2.58	2.63	2.9	2.83	2.61	2.94	2.33	3.02	3.02	2.88	3.28	2.90	3.16	2.89	2.88	2.85	2.22	2.49	2.43
MW – 21	11.00	12.48	1.48	2.81	1.73	1.43	1.42	1.62	1.38	2.29	3.83	4.79	3.26	3.35	2.13	1.45	2.75	3.31	3.30	3.04	3.62	7.59	3.27	3.32	1.25	2.39	3.61	2.96	2.95	2.63	4.18	2.68
MW – 22	11.08	12.76	1.68	0.83	0.69	0.97	0.89	0.76	1.11	0.28	0.37	1.77	1.25	1.24	1.21	0.75	0.66	0.66	0.78	0.64	0.65	0.50	0.51	0.38	0.30	0.01	0.51	0.87	0.62	0.45	0.48	0.44
MW – 23	ND	10.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	10.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	9.83	13.69	3.86	3.89	3.44	2.85	2.89	4.03	3.45	3.44	3.66	4.54	4.03	4.05	4.02	3.73	4.09	3.85	3.70	3.74	3.47	3.89	3.62	3.60	4.20	3.79	3.65	4.01	3.75	3.55	3.33	3.42
MW – 26	9.90	13.04	3.14	3.84	3.45	0.75	2.35	3.14	2.48	3.19	3.95	5.59	3.81	3.82	3.79	3.65	3.42	3.29	3.73	3.64	3.24	3.14	3.20	3.56	4.00	3.28	4.26	3.58	3.82	3.41	3.37	2.97
MW – 27	ND	10.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 28	ND	10.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 29	ND	10.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 30	ND	9.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 31	ND	8.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND
MW – 32	ND	9.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 34	ND	10.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 35	ND	13.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 36	ND	10.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 37	ND	10.83	ND	ND	ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 38	ND	8.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—	—	—	ND	ND	ND	ND	ND
MW – 39	ND	8.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 40	ND	6.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 41	—	—	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 42	ND	8.74	ND	ND*	ND*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 1	ND	8.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	7.41	12.53	5.12	1.63	5.54	0.06	0.08	1.65	0.08	5.52	4.01	5.19	0.56	0.58	0.53	6.09	6.25	0.42	1.13	2.90	3.09	3.53	1.65	1.18	1.26	1.35	1.88	2.05	2.41	3.02	2.12	3.34
RW – 3	14.63	16.85	2.22	2.63	3.77	2.08	2.03	2.52	2.12	3.03	ND	3.31	3.17	3.15	3.22	2.28	3.44	2.85	2.71	3.46	2.98	3.10	1.91	3.95	2.40	2.50	3.08	1.97	2.49	1.64	2.17	2.09
RW – 4	11.75	ND	##	03.37	2.85	2.96	2.97	3.80	3.01	02.39	3.06	4.32	4.33	4.17	4.18	3.1	4.1	03.69	3.65	3.69	3.67	3.05	3.80	2.80	2.77	3.30	2.73	2.65	2.32	2.02	2.22	2.93
RW – 5	10.94	ND	##	##	ND*	0.44	0.33	0.65	0.34	4.64	0.49	4.49	5.28	5.27	5.26	5.42	3.75	5.00	5.44	5.10	0.70	2.95	1.55	3.05	0.42	0.36	0.50	4.97	2.76	2.47	2.66	3.21
RW – 6	11.51	12.42	0.91	00.73	1.91	0.83	0.88	0.96	0.91	00.90	2.61	1.64	0.73	0.6	1.61	0.93	5.35	1.05	1.27	1.22	0.90	0.90	0.85	0.68	0.87	0.92	1.46	1.29	0.81	0.67	0.73	0.74
RW – 8 **	—	—	—	—	—	0.02	0.02	0.03	0.03	0.96	1.99	—	1.15	2.2	3.62	1.2	2.34	0.02	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—
RW – 9	13.07	14.60	1.53	3.45	4.52	0.11	2.38	2.28	1.51	2.88	4.32	5.58	3.72	3.77	3.69	2.84	3.25	2.70	2.69	3.50	3.66	2.47	3.09	3.57	2.45	2.35	3.19	2.15	3.18	2.75	3.09	3.81
RW – 10	12.71	16.51	3.80	4.06	2.46	1.52	1.60	3.70	0.66	3.48	4.64	4.28	3.65	3.67	3.71	3.67	3.78	4.07	3.79	4.27	4.70	4.15	3.86	3.45	3.80	3.36	4.44	3.91	3.69	3.74	3.66	3.67
RW – 11	13.04	15.73	2.69	3.02	2.21	2.51	2.52	4.34	2.41	2.50	5.01	5.5	2.97	4.57	3.93	2.33	3.00	2.92	3.00	3.55	3.73	2.65	1.90	2.04	2.43	2.12	3.66	2.98	3.43	3.08	2.94	3.05
RW– 12 **	—	—	—	—	—	0.11	0.02	2.61	0.02	1.12	1.5	5.96	3.65	5.4	2.68	0.01	0.03	0.01	0.02	0.80	3.89	—	—	—	—	—	—	—	—	—	—	
MW - 1	—	—	—	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
MW - 9	—	—	—	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
MW - 10	ND	8.11	ND	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
MW - 17	ND	7.45	ND	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
MW - 18	ND	7.53	ND	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
RW - 7	—	—	—	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG

Notes:
Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= NAPL observed, apparent thickness not determined
NI = Not Installed ND = Not Detected NG = Not Gauged
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852
As per request of NYSDEC, wells MW-1, MW-9, MW-10, MW-17, MW-18 and RW-7 were included in this event
Total of 100 gallons of product removed from product revovery system: RW-8 = 45 gal, RW-12 = 55 gal
Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry ** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on January 7, 2019

Table 1:
Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street
Brooklyn, NY

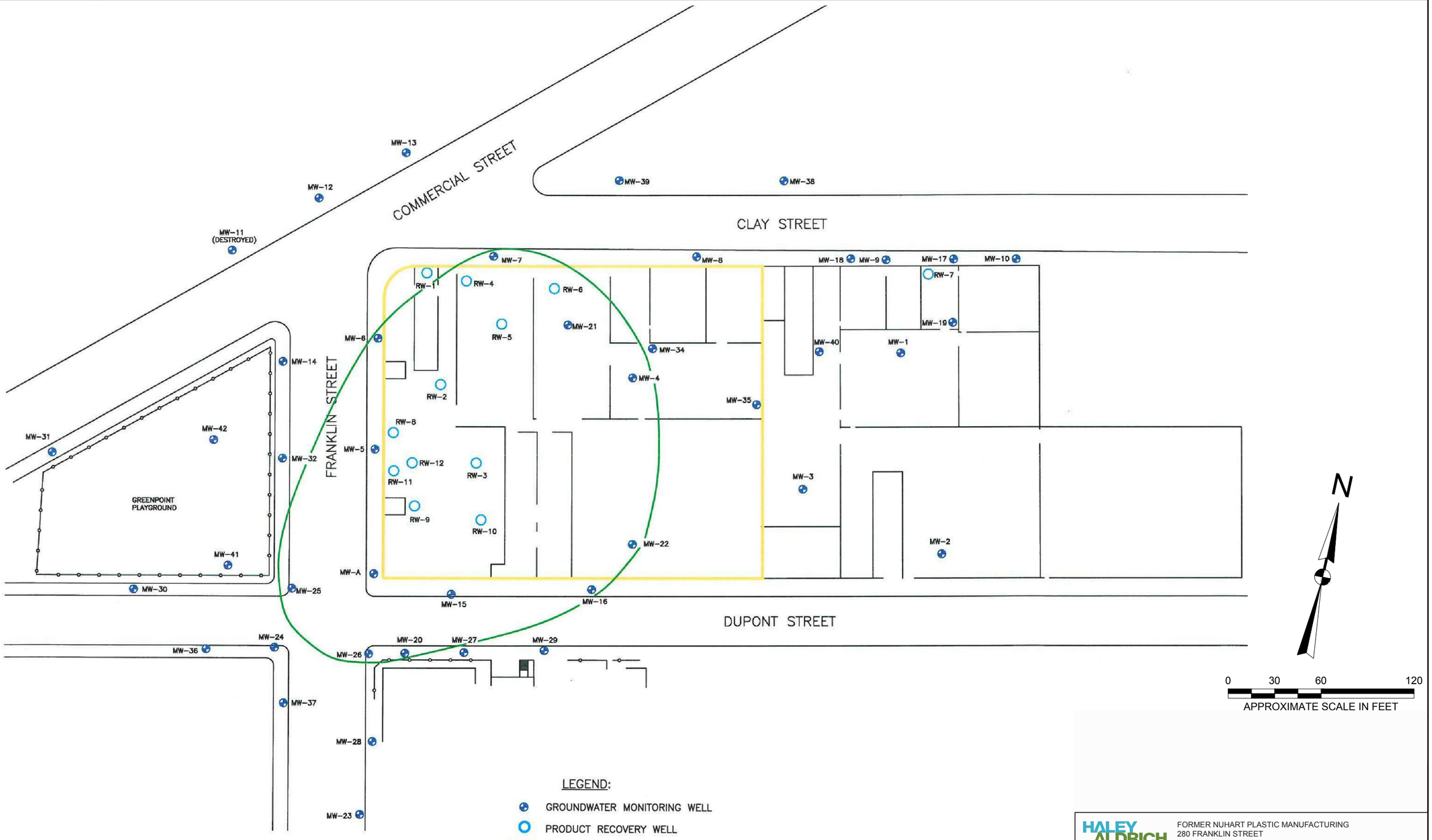
Readings taken 1/7/19 between 7:00 am and 12:00 pm (High tide @ 10:18 AM and Low tide @ 4:24 PM)

Well Number	*Depth to Product (feet)	*Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																																							
			2016		2015											2014									2013													2012			
			Feb-16	Jan-16	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan-15	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13	Oct-13	Sep-13	Aug-13	Jul-13	Apr-13	Mar-13	Feb-13	Jan-13	Dec-12	Nov-12	Oct-12	Sep-12
MW – 4	ND*	ND*	1.85	1.77	1.96	2.04	1.99	1.77	2.22	4.27	0.35	0.44	—	0.56	—	1.75	1.90	1.24	Trace	—	0.01	Trace	0.23	0.22	0.30	0.66	0.78	##	3.49	2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW – 5	9.54	12.16	1.85	3.24	4.83	5.41	4.16	4.26	4.45	4.22	2.30	2.41	2.55	3.10	4.40	4.79	5.03	1.97	3.39	—	3.14	2.80	2.98	—	6.46	7.17	5.54	##	5.08	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW – 6	8.72	ND	##	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW – 7	8.56	9.70	2.31	2.47	3.44	3.31	2.58	1.46	1.28	0.99	1.58	ND	1.94	1.79	##	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW – 8	ND	9.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 12	ND	7.08	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 13	ND	7.42	—	—	ND	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	8.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 15	10.19	11.03	0.04	0.60	3.08	3.07	1.97	1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71	2.19	2.32	##	0.45	—	0.61	0.30	0.38	—	3.11	3.19	3.34	##	2.14	0.70	–	0.32	1.07	–	1.56	0.99	0.76	2.67
MW – 16	10.81	10.98	0.16	0.02	0.11	0.02	0.12	0.05	0.05	0.14	0.13	0.15	0.03	0.08	0.02	—	0.03	0.99	Trace	—	0.01	0.01	0.10	—	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW – 20	10.11	12.88	1.99	2.46	3.52	3.02	3.33	3.25	3.12	2.88	2.58	2.79	3.84	4.38	5.13	1.87	1.71	2.92	2.06	—	1.47	2.90	2.58	4.19	5.07	4.90	4.11	##	3.33	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW – 21	11.00	12.48	2.42	2.97	4.46	3.85	4.51	3.63	3.32	2.97	2.53	2.77	2.98	3.46	3.23	3.62	4.64	4.90	1.99	—	2.69	2.47	2.48	3.37	3.13	3.72	4.66	##	4.37	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW – 22	11.08	12.76	0.15	0.22	1.33	1.01	0.49	1.17	1.04	0.79	0.86	0.84	0.74	1.33	1.27	1.03	1.02	0.54	0.85	—	0.74	0.86	0.75	1.22	1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW – 23	ND	10.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	10.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 25	9.83	13.69	3.32	3.43	3.68	3.53	3.63	3.53	3.68	3.53	2.81	3.24	3.36	1.07	1.03	3.16	4.02	3.65	3.48	—	3.91	3.75	—	—	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW – 26	9.90	13.04	3.82	3.41	4.23	4.08	3.77	4.00	3.70	3.65	3.18	3.33	3.64	4.14	4.11	3.84	3.70	4.50	3.02	—	2.71	3.48	3.80	4.34	4.44	4.47	4.62	##	4.18	3.69	2.86	2.33	1.00	2.45	1.62	–	2.61	4.02
MW – 27	ND	10.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	10.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	ND	10.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 30	ND	9.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 31	ND	8.99	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 32	ND	9.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 34	ND	10.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 35	ND	13.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 36	ND	10.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 37	ND	10.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 38	ND	8.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 39	ND	8.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 40	ND	6.30	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 41	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	ND	8.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	ND	8.49	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND
RW – 2	7.41	12.53	2.70	2.83	4.28	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW – 3	14.63	16.85	1.64	2.37	4.27	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81	3.28	3.41	3.50	3.45	3.56	4.12	—	1.58	2.90	2.28	4.60 (est)	3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW – 4	11.75	ND	2.03	2.51	2.82	2.31	1.99	1.09	2.02	3.65	3.66	3.53	3.53	1.43	1.35	2.78	2.88	##	2.86	—	1.81	3.25	3.27	2.45	2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95	—	3.45	3.35
RW – 5	10.94	ND	2.53	1.92	1.96	5.64	4.18	2.03	5.79	4.87	4.69	4.75	0.70	0.85	0.91	0.85	0.43	0.17	0.17	—	0.12	0.93	0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	—	—	—	2.35	3.00	1.88	–
RW – 6	11.51	12.42	0.76	0.74	0.77	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.71	1.19	1.14	0.71	0.64	0.78	0.79	—	0.45	1.28	0.96	0.41	0.94	1.30	0.67	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW – 8 **	—	—	—	—	—	—	—	—	—	—	—	—	2.14	2.93	2.92	4.01	4.48	##	2.95	—	0.65	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	—	—	—	—	—	—	—	—
RW – 9	13.07	14.60	2.42	3.46	4.62	4.37	3.52	2.68	3.23	3.04	4.82	4.79	4.28	5.68	5.65	4.81	4.59	4.92	4.14	—	1.02	2.90	2.71	4.34	5.25	4.88	3.08	##	4.09	2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW – 10	12.71	16.51	4.69	4.77	4.46	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—
RW – 11	13.04	15.73	2.45	3.07	4.65	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW– 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW - 1	—	—	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
MW - 9	—	—	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
MW - 10	ND	8.11	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
MW - 17	ND	7.45	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
MW - 18	ND	7.53	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
RW - 7	—	—	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG

Notes:
Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= NAPL observed, apparent thickness not determined
NI = Not Installed ND = Not Detected NG = Not Gauged
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852
As per request of NYSDEC, wells MW-1, MW-9, MW-10, MW-17, MW-18 and RW-7 were included in this event
Total of 100 gallons of product removed from product revovery system: RW-8 = 45 gal, RW-12 = 55 gal
Well-34 has uneven casting top
est= Estimated Value
*** = Well was dry ** = Well equipped with automated product recovery system**
__= Data not recorded due to access issues
Wells were gauged on January 7, 2019

Attachment B

Site Figure



NOTES:

1. THE BASE MAP WAS DEVELOPED FROM AN ELECTRONIC FILE PROVIDED BY DUPONT STREET DEVELOPERS, LLC, ENTITLED "AERIAL EXTENT OF LNAPL ON GROUNDWATER," DATED MARCH 23, 2015, ORIGINAL SCALE 1" = 60'.

HALEY ALDRICH

FORMER NUHART PLASTIC MANUFACTURING
280 FRANKLIN STREET
BROOKLYN, NEW YORK

AERIAL EXTENT OF LNAPL ON GROUNDWATER

DECEMBER 2018

FIGURE 1

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