PROJECT STATUS REPORT – January 2015

TO: Bryan Wong (NYSDEC) Email: yukyin.wong@dec.ny.gov

CC: Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov

Yi Han Email: experta8@gmail.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Michael Roux Email: mroux@rouxinc.com

Wendy A. Marsh Email: wmarsh@hancocklaw.com

FROM: Stephanie O. Davis, CPG, Vice President

DATE: February 9, 2016

This status report summarizes activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) in January 2016. Activities during this time period were conducted by FPM Group (FPM). Roux Associates, Inc. (Roux) representatives have also participated in Site evaluations and communications. 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. The Feasibility Study (FS) for the Site was also completed and submitted to the NYSDEC. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

A. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on January 15, 2016. A table documenting the product apparent thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL 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 product, and proper labeling of waste containers used during this IRM event.

Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted on January 15, 2016. Wells that could not be accessed due to obstructions are noted on Attachment A. All wells containing LNAPL are noted, as are wells where LNAPL is absent. No changes were noted in the extent of the product. The area of offsite wells MW-12 and MW-13 (located within the Greenpoint Landing construction area) was accessed; however, the wells could not be monitored as construction activities were occurring in the well area and the wells were covered by soil.



In January 2016 the depth to the water table decreased (generally by 0.2 to 0.6 feet) in all of the wells relative to the level observed in December 2015; the rise in the water table is likely due late December and early January rainfall. Product apparent thicknesses were also noted to decrease in the monitoring and recovery wells where product is present, with some of the decreases in the one to two-foot range. This response is typical when the water table rises.

The total amount of LNAPL removed from the wells during this event is estimated as 80 gallons, including LNAPL from the approximately 30-gallon drums associated with recovery wells RW-8 and RW-12 (currently equipped with PetroXtractor Well Oil Skimmers, Model PX-B). Based on LNAPL estimates in previous project status reports, an estimated 1,011 gallons of product have been removed from the subsurface since early 2015, with most of the product previously disposed. Approximately 274 gallons of product remain stored onsite at this time.

All recovered product is presently stored in IBC tanks located within 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 737 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. Disposal dates include August 28 and November 12, 2015. The completed waste manifest from the November 12, 2015 disposal event is attached. As noted in previous reports, low levels of PCBs are present in a limited portion of the onsite product plume near the southwest side of the Site and extend offsite to MW-5, which directly adjoins the southwest side of the Site. This product is classified as non-TSCA regulated hazardous waste (U028 and U107) and has been managed separately from product that does not contain PCBs. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

B. Feasibility Study

FPM has prepared an FS for the Site that includes evaluations of potential remedial methods to address onsite and offsite Site-related contamination. Internal review of the FS draft was completed in mid-January 2016 and the FS was transmitted to the NYSDEC, NYSDOH, and the established document repositories for review on January 28, 2016.

C. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal email communications in January 2016. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

Attachments

Attachment A – Apparent Thickness of LNAPL Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater Manifest for November 12, 2015 waste disposal

U:\Rigano LLC\49 Dupont Brooklyn\Monthlyreporting And IRM\Monthlyreports\January2016_Monthlystatusrpt.Docx



LNAPL.dwg, 3/23/2015 3:01:12 PM, Tabloid

OF

H:\DUPONT\ADDITIONAL TCE 1134g-15-12\AREA EXTENT

	* Depth to	* Depth to																A	pparent Thi	ickness of	LNAPL (feet	:)															
Well Number	Product (feet)	Water (feet)	Jan-16	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan. 2015	Sept. 2014	Aug. 2014	Jul-14	Jun-14	May-14	Apr. 2014	Mar. 2014	Feb. 2014	Jan. 2014	Dec. 2013	Nov. 2013	Oct. 2013	Sept. 2013	Aug. 2013	Jul. 2013	Apr. 2013	Mar. 2013	Feb. 2013	Jan. 2013	Dec. 2012	Nov. 2012	Oct. 2012	Sept. 2012
MW – 4	11.66	13.43	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	9.93	13.17	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	8.96	_	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	_	_	2.84	3.43	_	2.89	2.76	2.00	##	2.42	2.82	_	_	_	_	_	_	3.49	2.14
MW - 7	9.18	11.65	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	9.91	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	ND
MW - 13	_	_	_	ND	ND	_	_	_	_	ND	ND	ND	ND	_	ND	1	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW – 14	ND	9.70	ND	ND	ND	ND	ND	-	ND	ND	-	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
MW – 15	10.58	11.18	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	11.25	11.27	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	10.60	13.06	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	11.48	14.45	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	12.25	12.47	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	11.21	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
MW - 24	ND	10.40	ND	ND	ND	ND	ND	-	ND	ND	-	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
MW - 25	10.19	13.62	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	10.22	13.63	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	10.64	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	10.98	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	11.21	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	9.83	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	NI																			
MW – 31	ND	9.20	ND	ND	_	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	NI																
MW - 32	ND	9.88	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	NI																			
MW - 34	ND	11.59	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI																			
MW - 35	ND	14.58	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI																			
MW - 36	ND	10.67	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	11.09	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	8.90	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	8.72	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	7.10	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	9.79	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	9.09	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	8.85	ND	ND	_	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND														
RW – 2	12.08	14.91	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	15.14	17.51	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	12.12	14.63	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	11.87	13.79	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	12.06	12.80	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	13.41	16.87	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	13.12	17.89	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	_		_		1	_	_	1
RW – 11	13.44	16.51	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 **	_	_	_	_	_	_	_	_	_	_	_	_	_	_	1	Ĩ	_	_	_	-	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	_

Data recorded using an oil/water interface probe, measurements from the tops of well casings.

= LNAPL observed, apparent thickness not determined

NI = Not installed

ND = Not detected

Wells MW-1, MW-2, MW-3, MW-9, MW-10, MW-17, MW-18, MW-19 and RW-7 are associated with NYSDEC Spill ID 06-01852 and are under the scope of a separate investigation.

Total of 80 gallons of product removed in January 2016

est = Estimated value

** = Well equipped with automated product recovery system

— = Data not recorded due to access issues

* Wells were gauged on January 15, 2016

Ple	ase print or type. (Form designed for use on elite (12-pitch) typewriter.)					Forr	n Approved	OMB No. 2	050-0039
\	UNIFORM HAZARDOUS 1. Generator ID Number	2. Page 1 of	3. Emergency Respons	e Phone	4. Manifest	Tracking N	lumber	0 [
Ш	WASTE MANIFEST NYDOO/468354		631 127 2				3129	<u> </u>	LE
П	5. Generator's Name and Mailing Address	'	Generator's Sile Address	(if different tha	n mailing addres Develop St.	is)	LLC		
П	Dupont Street Developers we		IN Gupon	الما الم	157				İ
П	86-26 Queens Blud, 2nd Floor, Elmhi	urst, "	7 280	MAHR (IM	see sta	710-			
П	Generator's Phone; 7/8 G.89 8/08 9 6: Transporter 1 Company Name	11373	Brook	44 1V	U.S. EPAID	diministrat			
H					1 AFJA	Artiningi		^ /	
Ш	Easten Environmental Solution Inc. 7. Transporter 2 Company Name	ــــــــــــــــــــــــــــــــــــــ	-		U.S. EPAID N	<i>0007</i> . lumber	3442	/	
$\ \ $,				1				
П	8. Designated Facility Name and Site Address				U.S. EPA ID N	lumber			
П	10 1. Olioto	~~~ ~ ~ ~	,						
Н	217 South First Street, Elizabeth, NJ	OILUE	2						
Н	Facility's Phone: 909 355 5800				NVDC	0022	000	16	
	9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,		10. Conta	ners	11, Total	12. Unit	13.	Waste Codes	,
П	HM and Packing Group (if any))		No.	Туре	Quantity	Wt./Vol.			
ģ	1.					1	4028	4107	
¥	111 2000 11 1 11 1 1 1 1 1 1 1 1 1 1 1 1	DATE	7	1	275	G			
GENERATOR	NA 3082 Hazardons Waste, Liquid, N.O.S. 9	PGIII	4 001	/ /	2/3	ع ا			
핑							~		
1									
П	3.		-						
П									
Ш									
	4.								
П					\mathcal{N}_{ij}				
	14. Special Handling Instructions and Additional Information			ال بَــــــــــــــــــــــــــــــــــــ	e	L	.		
	Generator ID# 975272			•					
	Generator " 1 10 2 2								
	R0345-02								
Ш	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this	consignment a	re fully and accurately de	scribed above t	y the proper shi	pping name	e, and are clas	ssified, packa	ged,
	marked and labeled/placarded, and are in all respects in proper condition for transport accommendation in the terms of the attached Exporter, I certify that the contents of this consignment conform to the terms of the attached	ording to applica d EPA Acknowle	able international and nat edoment of Consent.	ional governme م	ntal regulations.	If export sh	ipment and I	am the Prima	ry
	I certify that the waste minimization statement identified in 40 CFR 262,27(a) (if I am a large	e quantity gene	rator) or (b) (if I am a sm	all quantity gene	erator) is Irue.				
	Generator's/Offeror's Printed/Typed Name		lature (Mor		Year
+	SKATIMECKE (Easkin Environmental as agent	<u>/</u>	C) La	2	<u> </u>		10	1 12	.//5
INT	16. International Shipments Import to U.S.	Export from U	S. Port of er	try/exit:					
	Transporter signature (for exports only):		Date leav	ing U.S.:					
TR ANSPORTER	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name	Sign	alure /				Mor	ilh Day	Year
ğ		1		, ,,, ,,			11	11/2	1/5
ISI	Transporter 2 Printed/Typed Name	Sign	ature				Mor		Year
E.		- 1					1	- 1	
<u></u> ↑	18. Discrepancy								
	18a, Discrepancy Indication Space Quantity Type		Residue		Partial Reje	ection	Ī	Full Reje	ction
	Quantity							, 1.0]0	
Ţ			Manifest Reference	Number:	11.6 =====	Land Land			
Ē	18b. Alternate Facility (or Generalor)				U.S. EPA ID N	lumber			
ᅙ	•				1				
DF	Facility's Phone: 18c. Signature of Alternate Facility (or Generator)				<u> </u>		Mo	nth Day	Year
ATE.	Toc. Signature of Riterinate Pacinity (or Generalia)						1		1
DESIGNATED FACILITY	19. Hazardous Waste Report Management Melhod Codes (i.e., codes for hazardous waste treat	ment, disposal	and recycling systems)						
SE	1. 2.	3.			4.				
_	4141								
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covere	d by the manife	est except as noted in Iter	n 18a					
	Printed/Typed Name	Sign	Telen E	M.	•		Mo	oth Day.	Year
\downarrow	HELCH ELLES	17	seren C				- 1/	110	472

PROJECT STATUS REPORT – February 2016

TO: Bryan Wong (NYSDEC) Email: yukyin.wong@dec.ny.gov

CC: Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov

Yi Han Email: experta8@gmail.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Michael Roux Email: mroux@rouxinc.com
Wendy A. Marsh Email: wmarsh@hancocklaw.com

Welluy A. Maisii Email. Willaisii@hancockiaw.coi

FROM: Stephanie O. Davis, CPG, Vice President

DATE: March 9, 2016

This status report summarizes activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) in February 2016. Activities during this time period were conducted by FPM Group (FPM). Roux Associates, Inc. (Roux) representatives have also participated in Site evaluations and communications. 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. The Feasibility Study (FS) for the Site previously submitted to the NYSDEC and NYSDOH was undergoing review. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

A. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on February 9, 2016. A table documenting the product apparent thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL 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 product, 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. As a precaution new power cords were installed for the skimming systems, with the cords secured and labeled.

Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; 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 extent of the product. The area of offsite wells MW-12 and MW-13 (located within the Greenpoint Landing construction area) was accessed; however, the wells could not be monitored as the wells were covered. Shortly after the monitoring event FPM was contacted by a representative of Langan, which is working at the Greenpoint Landing property, and provided with contact information such that the construction team can be notified in advance of the monitoring events and the wells can be made accessible. FPM will contact the construction team in advance of future monitoring events.

In February 2016 the depth to the water table decreased (generally by 0.2 to 0.4 feet) in most of the wells relative to the level observed in January 2016; the rise in the water table is likely due to infiltration of January rainfall and snowmelt runoff. Product apparent thicknesses were also noted to decrease in most of the wells where product is present, which is a typical response when the water table rises.

The amount of LNAPL removed from the wells during this event is estimated as 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 1,116 gallons of product have been removed from the subsurface since early 2015, with most of the product disposed. Approximately 104 gallons of product remain stored at this time in 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; the most recent waste removal event was conducted on February 9, 2016. To date Eastern has transported and disposed an estimated 1,012 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The completed waste manifest from the February 9, 2016 disposal event is pending and will be attached to the monthly report issued following its receipt. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

B. Feasibility Study

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC, NYSDOH, and the established document repositories for review on January 28, 2016. Shortly after the period covered by this report the NYSDEC transmitted correspondence to the remedial party concerning the FS; this correspondence is presently under consideration.

C. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal communications in February 2016. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

Attachments

Attachment A – Apparent Thickness of LNAPL Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater

U:\Rigano LLC\49 Dupont Brooklyn\Monthlyreporting And IRM\Monthlyreports\February2016_Monthlystatusrpt.Docx



LNAPL.dwg, 3/23/2015 3:01:12 PM, Tabloid

OF

H:\DUPONT\ADDITIONAL TCE 1134g-15-12\AREA EXTENT

	*D	*Double																		Apparent T	hickness of	LNAPL (fee	t)															
Well Number	* Depth to Product (feet)	* Depth to Water (feet)	20	16						2015										2014									20	13						20	012	
	Froduct (reet)	water (reet)	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. 2015	Sept. 2014	Aug. 2014	Jul-14	Jun-14	May-14	Apr. 2014	Mar. 2014	Feb. 2014	Jan. 2014	Dec. 2013	Nov. 2013	Oct. 2013	Sept. 2013	Aug. 2013	Jul. 2013	Apr. 2013	Mar. 2013	Feb. 2013	Jan. 2013	Dec. 2012	Nov. 2012	Oct. 2012	Sept. 2012
MW – 4	11.48	13.33	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	10.76	12.61	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	8.75	_	##	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	_	_	2.84	3.43	_	2.89	2.76	2.00	##	2.42	2.82	_	_	_	_	_	_	3.49	2.14
MW – 7	8.91	11.22	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	9.63	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	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	ND
MW – 14	ND	8.44	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
MW – 15	10.32	10.36	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	10.99	11.15	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	10.33	12.32	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	11.26	13.68	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	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	12.07	12.22	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	10.98	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	10.19	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND												
MW – 25	10.00	13.32	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	10.00	13.82	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	10.40	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	10.75	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	11.00	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	9.55	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	NI																				
MW – 31	ND	8.90	ND	ND	ND	_	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	NI																
MW – 32	ND	9.60	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	NI																				
MW – 34	ND	11.30	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI																				
MW – 35	ND	14.38	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI																				
MW – 36	ND	10.40	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	10.84	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	9.61	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	8.37	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	6.84	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	9.52	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	8.79	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	8.55	ND	ND	ND	_	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND														
RW – 2	11.88	14.58	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	14.91	16.55	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	11.95	13.98	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	11.64	14.17	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	11.85	12.61	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	13.18	15.60	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	12.35	17.04	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	13.16	15.61	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 **	_	_			_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_	_			_	_	_

Data recorded using an oil/water interface probe, measurements from the tops of well casings.

= LNAPL observed, apparent thickness not determined

NI = Not installed

ND = Not detected

ND = Not detected

Wells MW-1, MW-2, MW-3, 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 105 gallons of product removed in February 2016

est = Estimated value

** = Well equipped with automated product recovery system

— = Data not recorded due to access issues

* Wells were gauged on February 9, 2016

PROJECT STATUS REPORT – March 2016

TO: Bryan Wong (NYSDEC) Email: yukyin.wong@dec.ny.gov

CC: Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov

Yi Han Email: experta8@gmail.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Michael Roux Email: mroux@rouxinc.com

Wendy A. Marsh Email: wmarsh@hancocklaw.com

FROM: Stephanie O. Davis, CPG, Vice President

DATE: April 7, 2016

This status report summarizes activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) in March 2016. Activities during this time period were conducted by FPM Group (FPM). Roux Associates, Inc. (Roux) representatives have also participated in Site evaluations and communications. 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. Some issues with offsite wells MW-12 and MW-13 were also addressed. The Feasibility Study (FS) for the Site previously submitted to the NYSDEC and NYSDOH was undergoing revision. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

A. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on March 11, 2016. A table documenting the product apparent thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL 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 product, 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.

Monitoring wells MW-12 and MW-13 located within the Greenpoint Landing construction area were found to have been damaged. Well MW-12 was found to have soil blocking the casing above the level of the screen and small-diameter tubing was present within the casing from below the soil to the top of the casing. A water level measurement could not be obtained from MW-12. The protective manhole above MW-13 had been removed, together with the well cap and small-diameter tubing was also found



in this well. MW-13 was not blocked and a water level measurement was obtained. A Langan representative was contacted and it was determined that the Greenpoint Landing construction contractor had inadvertently damaged the wells and then attempted to clear the soil that had fallen into the wells; Langan had not been notified of this issue. FPM returned to well MW-12 on March 18 and removed the obstructing soil by flushing and circulating clean water and pumping the well until the soil was cleared and the well's connection with the formation was re-established. No signs suggestive of potential contamination, including LNAPL, were noted during this process. The casings for wells MW-12 and MW-13 were secured and Langan was notified of the need for the protective manholes to be restored as soon as feasible.

Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; 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 extent of the product. As noted above, although well MW-12 located within the Greenpoint Landing construction area could not be accessed during the monitoring event, when the well was cleared the following week no LNAPL was noted.

In March 2016 changes in the depth to the water table relative to the levels observed in February 2016 were variable, with some wells showing increases and some wells showing decreases. Product apparent thicknesses were noted to decrease in most of the wells where the water table rose and increase in the wells where the water table dropped. These are typical responses to water table changes.

The amount of LNAPL removed from the wells during this event is estimated as 90 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 1,206 gallons of product have been removed from the subsurface since early 2015, with most of the product disposed. Approximately 194 gallons of product remain stored at this time in 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; the most recent waste removal event was conducted on February 9, 2016. To date Eastern has transported and disposed an estimated 1,012 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The completed waste manifest from the February 9, 2016 disposal event is pending and will be attached to the monthly report issued following its receipt. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Additional Activities

Wells MW-12 and MW-13, located within the Greenpoint Landing construction area, were not surveyed during the 2015 surveying project as the surveyors could not access the construction area at that time. The wells were surveyed on March 18, 2016, with the resulting information added to the well elevation data sheet for the Site. During the surveying event it was noted by FPM representatives that both well casings had been damaged relative to their condition in 2015 and that the tops of both casings appeared to be lower than previously observed. Therefore, depth-to-water measurements made in these wells in 2015 were likely not referenced to the current tops of the casings and should not be integrated with the current well casing elevations to evaluate the water table elevation. Unless



additional damage is noted in the future, water level measurements made during future water level monitoring events are anticipated to be usable for determining the water table elevations in these wells.

B. Feasibility Study

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC, NYSDOH, and the established document repositories for review on January 28, 2016. The NYSDEC transmitted correspondence to the remedial party concerning the FS on March 3, 2016. On March 15, 2016 the NYSDEC was notified that the FS would be revised to address the comments in the NYSDEC's March 3 correspondence and a request was made to re-submit the revised FS by April 25, 2016. The NYSDEC responded on March 16 confirming the re-submittal date. The FS is presently being revised to address the comments in the NYSDEC's March 3, 2016 correspondence and is scheduled to be resubmitted to the NYSDEC and NYSDOH on or before April 25, 2016.

C. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal communications in March 2016. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

Attachments

Attachment A – Apparent Thickness of LNAPL Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater

U:\Rigano LLC\49 Dupont Brooklyn\Monthlyreporting And IRM\Monthlyreports\March2016_Monthlystatusrpt.Docx



LNAPL.dwg, 3/23/2015 3:01:12 PM, Tabloid

OF

H:\DUPONT\ADDITIONAL TCE 1134g-15-12\AREA EXTENT

																					pparent Th	ickness of L	LNAPL (fee	t)														
Well Number	* Depth to Product (feet)	* Depth to Water (feet)		2016							2015										2014			•						20	13						20	12
	Product (leet)	water (leet)	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. 2015	Sept. 2014	Aug. 2014	Jul-14	Jun-14	May-14	Apr. 2014	Mar. 2014	Feb. 2014	Jan. 2014	Dec. 2013	Nov. 2013	Oct. 2013	Sept. 2013 A	Aug. 2013	Jul. 2013	Apr. 2013	Mar. 2013	Feb. 2013	Jan. 2013	Dec. 2012	Nov. 2012	Oct. 2012 Sept. 2012
MW – 4	11.22	12.65	1.43	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	9.71	12.85	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	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	8.70	_	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	_	_	2.84	3.43	_	2.89	2.76	2.00	##	2.42	2.82	ı	1	1	_	ı	_	3.49 2.14
MW – 7	8.95	10.61	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	##	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	9.55	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	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 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	8.41	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	ND	ND	ND ND
MW – 15	10.45	10.48	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	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	10.95	10.97	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	-	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	10.32	12.75	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	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	11.32	14.00	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	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	11.93	12.37	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	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	10.93	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	ND	ND	ND ND
MW – 24	ND	10.11	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
MW – 25	9.96	13.38	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	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	10.08	13.05	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	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	10.37	ND	ND	ND	ND	ND	ND	ND	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	10.69	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	NI	NI	NI NI
MW – 29	ND	10.91	ND	ND	ND	ND	ND	ND	ND	ND	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	9.57	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	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	NI	NI NI													
MW – 32	ND	9.62	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	NI	NI NI						
MW – 34	ND	11.26	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	ND	ND	NI	NI NI						
MW – 35	ND	14.25	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	NI	NI NI						
MW - 36	ND	10.42	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI NI
MW - 37	ND	10.82	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI NI
MW - 38	ND	8.60	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	NI NI
MW - 39 MW - 40	ND ND	8.48	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	NI	NI	NI 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	6.92 9.53	ND ND	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	NI NI	NI 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	8.79	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	NI NI
RW – 1	ND ND	8.61	ND	ND	ND	ND ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	- INI	ND	ND	ND	ND	ND	ND ND							
RW – 1	11.77	15.11	3.34	2.70	2.83			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	14.88	16.97	2.09	1.64	2.37	4.28 4.27	2.92	4.14	1.39	2.14	4.31	2.23	2.23	1.81		3.41	3.50	3.45	3.56	4.12		1.58	2.90		4.60 (est)	3.60	3.33	1.68		2.96	1.44	3.90	3.40	3.34	3.70	3.58	2.84	3.50 3.88
RW - 3	11.89	14.82	2.09	2.03	2.51	2.82	2.92	1.99	1.09	2.14	3.65	3.66	3.53	3.53	3.28 1.43	1.35	2.78	2.88	3.50	2.86		1.81	3.25	3.27	2.45	2.67	2.30	1.68	##	2.75	1.44	3.90	3.15	3.00	3.05	2.95	2.84	3.45 3.35
RW – 4	11.59	14.82	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	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	3.15	3.00	3.05	2.95	3.00	1.88 –
RW - 6	11.84	12.58	0.74	0.76	0.74	0.77	0.65	0.66	0.65	0.61	0.78	1.96	2.35	0.70	1.19	1.14	0.85	0.43	0.17	0.17		0.12	1.28	0.43	0.52	0.60	1.30	0.54	##	0.10	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22 0.06
RW - 8 **	11.04	12.00	0.74	0.76	0.74	0.77	0.00	0.00	0.05	0.61	0.76	1.90	2.33	2.14	2.93	2.92	4.01	4.48	##	2.95		0.45	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	0.45	0.50	0.21	U.4U —	0.10	0.90	0.22 0.06
RW - 9	13.08	16.89	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	4.81	4.40	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 – 9	12.85	16.52	3.67	4.69	4.77	4.62	5.32	4.45	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.05	3.93	3.74	3.57	3.18		3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.09	3.55	4.40	2.02	3.11	3.50	3.00	3.03	2.98 5.33
RW - 10	13.15				3.07		4.39									3.97	4.43			3.18			2.54			4.27	5.48	2.65	##	3.91		3 15		3.11		2.03	4.49	2.58 4.40
		16.20	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	3.91	4.43	4.42	4.46			2.03		2.59	3.66	4.21					3.49	3.15	2.67	3.11	3.50	2.93	4.49	
RW – 12 **		_	_					_	_	_	_	_	_		_		_			_		_		_	_	_	_	_	_	_	_	_		_	_	_		

Data recorded using an oil/water interface probe, measurements from the tops of well casings.

= LNAPL observed, apparent thickness not determined
NI = Not installed
ND = Not detected
Wells MW-1, MW-2, MW-3, 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 90 gallons of product removed in March 2016

est = Estimated value

** = Well equipped with automated product recovery system

— = Data not recorded due to access issues

* Wells were gauged on March 11, 2016

PROJECT STATUS REPORT - April 2016

TO: Bryan Wong (NYSDEC) Email: yukyin.wong@dec.ny.gov

CC: Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov

Yi Han Email: experta8@gmail.com
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Michael Roux Email: mroux@rouxinc.com

Wendy A. Marsh Email: wmarsh@hancocklaw.com

FROM: Stephanie O. Davis, CPG, Vice President

DATE: May 5, 2016

This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in April 2016. Activities during this period were conducted by FPM Group (FPM). Roux Associates, Inc. (Roux) representatives also participated in Site evaluations and communications. 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. New well covers were installed for offsite wells MW-12 and MW-13. The Feasibility Study (FS) for the Site previously submitted to the NYSDEC and NYSDOH was revised and re-submitted. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

A. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on April 15, 2016. A table documenting the product apparent thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL 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 product, 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

New well covers (manholes) were installed for offsite monitoring wells MW-12 and MW-13 located within the Greenpoint Landing construction area. The well covers were installed in late April during reconstruction of the sidewalk in the well vicinity; a photo showing one of the new manholes during sidewalk installation is attached. A representative of the Greenpoint Landing construction contractor has verified that the tops of the well casings were not altered during this process.

Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted;



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 extent of the product. Wells MW-12 and MW-13 located within the Greenpoint Landing construction area were accessed and no LNAPL was noted.

In April 2016 the depth to the water table generally increased relative to the levels observed in March 2016, most likely due to the relatively dry conditions in April. Product apparent thicknesses were noted to increase in most of the wells, which is a typical response to a decline in the water table. However, product apparent thicknesses were noted to decrease in several of the onsite recovery wells, despite a decline in the water table. It is possible that this response is due to ongoing product recovery at the RW-8 and RW-12 wells.

The amount of LNAPL removed from the wells during this event is estimated as 90 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 1,296 gallons of product have been removed from the subsurface since early 2015, with most of the product disposed. Approximately 284 gallons of product remain stored at this time in 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; the most recent waste removal event was conducted on February 9, 2016. To date Eastern has transported and disposed an estimated 1,012 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The completed waste manifest from the February 9, 2016 disposal event is pending and will be attached to the monthly report issued following its receipt. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

B. Feasibility Study

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC, NYSDOH, and the established document repositories for review on January 28, 2016. The NYSDEC transmitted correspondence to the remedial party concerning the FS on March 3, 2016. On March 15, 2016 the NYSDEC was notified that the FS would be revised to address the comments in the NYSDEC's March 3 correspondence and a request was made to re-submit the revised FS by April 25, 2016. The NYSDEC responded on March 16 confirming the re-submittal date. During April the FS was revised to address the comments in the NYSDEC's March 3, 2016 correspondence and the revised FS was transmitted to the NYSDEC, NYSDOH, and document repositories on April 21, 2016.

C. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal communications in April 2016. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

Attachments

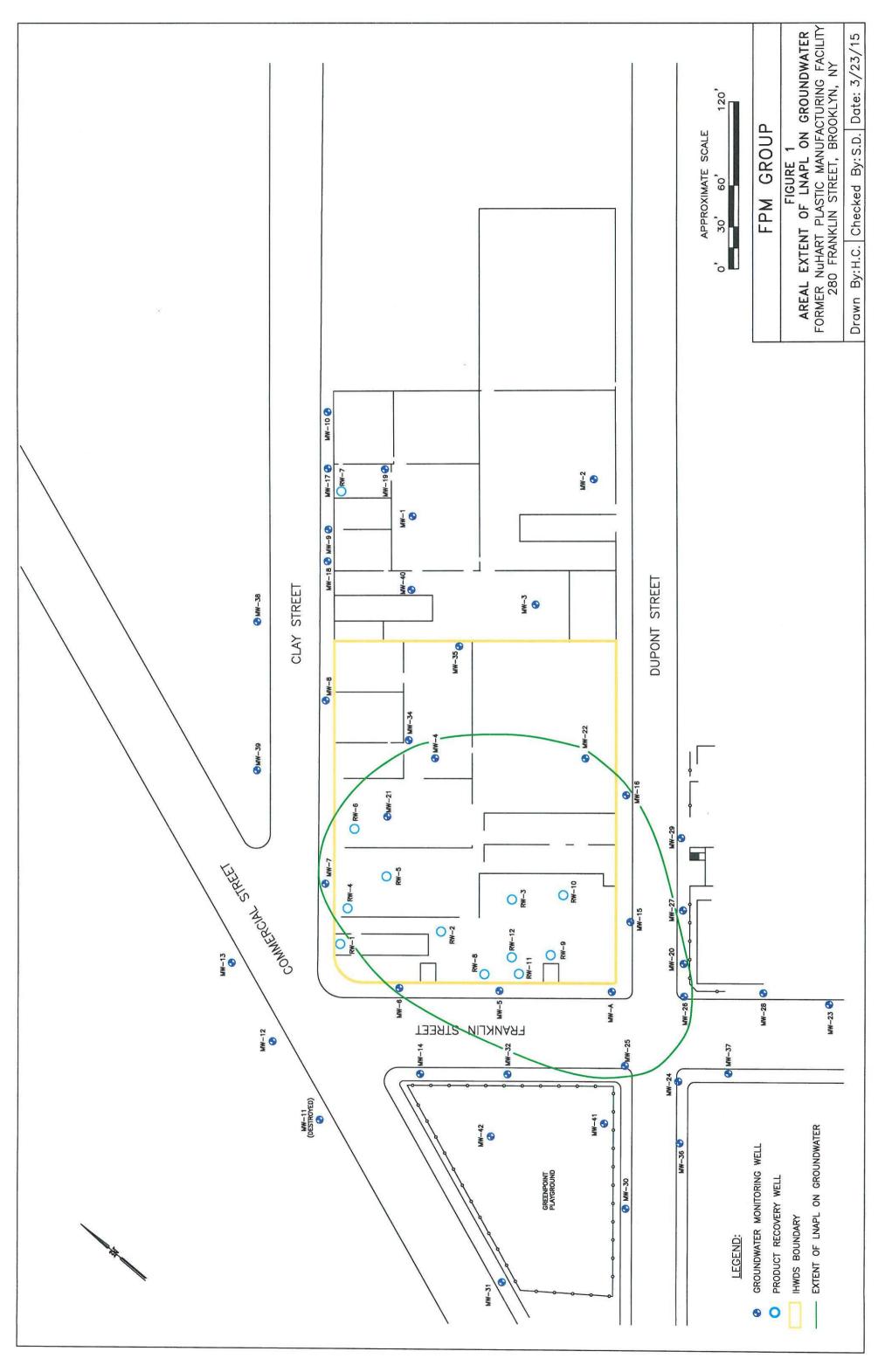
Photograph showing new well cover – MW-12 and MW-13 area

Attachment A – Apparent Thickness of LNAPL

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

S:\Rigano LLC\49 Dupont Brooklyn\Monthlyreporting And IRM\Monthlyreports\April2016_Monthlystatusrpt.Docx





		2012	3.13	5.58	2.14	1.83	Q	ND	ND	۵	2.67	0.20	3.80	4.15	1.80	٥	9	96	4.02	Q	Z	-	Z	=	Z	ī	Z	Z	Z	Z	z	Z	z :	Z	Q	5.85	3.88	3.35		90.0	,	5.33		4.40	Γ.
	ŀ	012 Sept. 201																													1								8						
2042	- 1	ŏ								2		0.24		9 2.04						QN 6																	4 3.50	3.45		0.22	1	3 2.98		9 2.58	L
	ŀ	012 Nov. 2012		3.50		•		QN					3.39	1 2.89	1 0.21		2			0.99				Z					Z	₹	Z	Z :	Z :				1 2.84	-	3.00	06:0	1	3.83		4.49	L
-	+	۵	0.80	4.11				QN			1.56			4.23	0.18		2							₹		Z	z	Z	Z	Z	Z	Z :	Z :					2.95	2.35	0.15	1	3.08		2.93	
	ŀ	ي ا		3.00				ND	QN		1	0.25	1.35	4.10	1.20								₹	Z	Z	Z	Z	Z	Z	₹	Z :	₹	≅ :	Z			3.70	3.05		0.40	1	3.50	I	3.50	
	ŀ	ı,		4.32				QN		9		0.10	1.10	3.75	1.15						2		Z	Z	Z	z	z	z	Z	Z	Z	Z :	z :	Z			3.34	3.00	1	0.21	I	3.11	1	3.11	
	ŀ	ž		2.39			9	QN	QN	2	0.32	0.01					2			2	2	9	₹	₹	₹	Z	Z	Z	Z	₹	Z	₹	≅ :	Z			3.20	3.15	1	0.50	1	2.62	1	2.67	
	ŀ	₹		3:00			2	ND	ND	9		0.02	3.32	3.38	0.50		2						Z	Z	Z	Z	Z	Z	Z	Z	Z	Z :	z :	Z				3.06	2.62	0.45	1	4.40	1	3.15	
2042	- 1	ゔ				1.06	Q	QN	QN	g		0.07			0.86	Q	2	3.58		2	2	Q	₹	₹	Z	Z	Z	Z	Z	₹	≅ :	₹	₹ :	Z	2			1.08		0.08	3.64	2.37		3.49	
	- 1	Ā	3.49	2.08	2.42	2.77	9	ND	ND	2	2.14	0.05	3.33	4.37	1.12	9	2	4.41	4.18	2	2	8	g	g	ND	ND	g	Z	Z	Z	Z	Z	z :	Z	2	4.07	2.96	2.75	0.69	0.10	4.59	4.09	4.11	3.91	L
	ŀ	3 Sept. 2013	#	#	#	#	2	Q	Q	2	#	#	#	#	#	2	2	#	#	2	2	2	2	2	ND	N	Q	z	Z	Z	z	Z	z :	Z	2	#	#	#	#	#	#	#	#	#	
	ŀ	13 Oct. 2013	0.78	5.54	2.00	4.00	9	ND	ND	9	3.34	0.19	4.11	4.66	09:0	9	9	4.01	4.62	9	9	9	Q	Q	ND	ND	Q	Z	Z	z	z	Z :	z :	Z	2	3.86	1.68	1.46	0.54	0.67	4.13	3.08	4.11	2.65	
	H	ž	99.0	7.17	2.76	4.70	2	Q	Q	2	3.19	0.22	4.90	3.72	69.0	2	2	5.56	4.47	2	2	2	2	2	ND	ND	9	Z	Z	₹	Z	₹	≅ :	Z	9	5.09	3.33	2.30	0.79	1.30	3.92	4.88	3.99	5.48	
L	-	۵	0.30	6.46	2.89	4.78	2	QN	QN	9	3.11	0.23	2.07	3.13	1.07	2	9	5.66	4.44	9	9	9	9	9	ND	ND	Q	Z	Z	Z	Z	Z	z :	Z	2		_	2.67	09.0	0.94	2.46	5.25	3.81	4.27	
	ŀ	4 Jan. 2014	0.22	ı	ı	_	I	ı	I	I	I	ı	4.19	3.37	1.22	2	ı	ı	4.34	ı	2	2	I	I	1	Q	9	₹	₹	z	Z	Z :	z :	z	2	2.80	4.60 (est)	2.45	0.52	0.41	2.37	4.34	3.80	3.66	
et)	ŀ	F	0.23	2.98	3.43	_	I	-	-	I	0.38	0.10	2.58	2.48	0.75	2	ı	1	3.80	1	9	2	I	I	1	N	Q	Z	Z	₹	Z	₹	≅ :	Z	9	2.31	2.28	3.27	0.43	96.0	0.86	2.71	3.48	2.59	
T LNAPL (Teet)	_	Mar. 2014	Trace	2.80	2.84	0.17	2	Q	Q	2	0:30	0.01	2:90	2.47	98.0	2	2	3.75	3.48	2	2	2	2	2	ND	Q	9	Z	Z	₹	Z	₹	₹ :	Z	9	3.05	2.90	3.25	0.93	1.28	1.47	2:90	3.89	2.54	
Apparent Inickness of		Apr. 2014	0.01	3.14	1	0.17	9	QN	QN	Q	0.61	0.01	1.47	2.69	0.74	9	9	3.91	2.71	ð	ð	Q	Q	Q	ND	QN	Q	z	z	z	z	Z	z :	z	2	1.30	1.58	1.81	0.12	0.45	0.65	1.02	3.38	2.03	
Apparent T	2014	May-14	I	I	I	_	I	ı	I	ı	I	ı	ı	ı	I	I	ı	1	1	1	ı	I	ı	ı	1	I	ı	Z	Z	₹	Z	Z	≅ :	z	I	I	1	ı	ı	I	I	ı	I	ı	
		Jun-14	Trace	3.39	#	0.01	Q	QN	QN	g	0.45	Trace	2.06	1.99	0.85	Q	Q	3.48	3.02	Q	Q	ΩN	Q	Q	ND	ND	Q	z	z	z	z	Z	z i	z	2	0.11	4.12	2.86	0.17	0.79	2.95	4.14	3.18	3.87	
		7	1.24	1.97	#	0.60	Q	Q	Q	9	#	66:0	2:92	4.90	0.54	Q	9	3.65	4.50	9	9	2	9	9	ND	ND	9	Z	Z	₹	Z	Z	≅ :	z	2	4.52	3.56	#	0.17	0.78	#	4.92	3.57	4.46	
	H	Ā	1.90	5.03	#	2.16	Q	I	Ι	Q	2.32	0.03	1.71	4.64	1.02	ΩN	Q	4.02	3.70	Q	Q	Q	Q	9	ND	ND	Q	ND	ΩN	z	Z :	Z :	₹ :	Z	2	4.53	3.45	2.88	0.43	0.64	4.48	4.59	3.74	4.45	
	_	Sept. 2014	1.75	4.79	#	2.01	Q	Q	Q	9	2.19	1	1.87	3.62	1.03	Q	9	3.16	3.84	9	9	2	9	9	ND	ND	Q	Q	Q	9	2	2	₹ :	z	2	4.52	3.50	2.78	0.85	0.71	4.01	4.81	3.93	4.43	
		Jan. 2015	1	4.40	#	#	I	I	Ι	9	1.71	0.02	5.13	3.23	1.27	2	9	1.03	4.11	9	9	Ð	9	9	ND	ND	Q	Q	Q	I	2	2	2	9	2	4.52	3.41	1.35	0.91	1.14	2.92	5.65	5.04	3.97	
		Mar-15	0.56	3.10	#	1.79	2	QN	Q	9	1.67	90:0	4.38	3.46	1.33	2	9	1.07	4.14	9	9	2	9	9	ND	Q	Q	Q	Q	9	2	2	2	2	9	4.19	3.28	1.43	0.85	1.19	2.93	2.68	4.96	3.87	
		Apr-15	ı	2.55	#	1.94	Q	QN	QN	Q	1.56	0.03	3.84	2.98	0.74	Q	Q	3.36	3.64	Q	Q	Q	Q	Q	ND	ND	Q	Q	Q	9	Q	2	2	9	2	2.82	1.81	3.53	0.70	0.71	2.14	4.28	3.65	3.00	
		May-15	0.44	2.41	#	ND	Q	QN	QN	Q	1.21	0.15	2.79	2.77	0.84	Q	9	3.24	3.33	Q	Q	Q	Q	Q	ND	ND	Q	Q	Q	9	2	2	2	9	2	5.44	2.23	3.53	4.75	2.35	ı	4.79	3.95	3.67	
		Jun-15	0.35	2.30	2.30	1.58	Q	Q	Q	9	1.24	0.13	2.58	2.53	98.0	Q	9	2.81	3.18	9	9	2	2	2	ND	ND	Ð	Q	Q	9	2	2	2	2	9	5.28	2.23	3.66	4.69	1.96	ı	4.82	3.80	3.66	
2004	50.15	Jul-15	4.27	4.22	#	0.99	Q	I	Ι	Q	Q	0.14	2.88	2.97	62'0	Q	2	3.53	3.65	Q	Q	Q	Q	Q	ND	ND	Q	Q	Q	9	2	2	2	9	2	5.54	4.31	3.65	4.87	0.78	ı	3.04	5.71	3.43	
		Aug-15	2.22	4.45	#	1.28	Q	_	_	Q	1.05	0.05	3.12	3.32	1.04	Q	Q	3.68	3.70	Q	Q	Q	Q	Q	ND	ND	Q	Q	Q	9	Q	2	2	Q	2	3.41	2.14	2.02	5.79	0.61	Ι	3.23	4.12	3.62	
		Sep-15	1.77	4.26	#	1.46	2	-	-	Q	1.05	0.05	3.25	3.63	1.17	2	Ð	3.53	4.00	Q	Q	Q	Q	Q	ND	ND	Q	Q	Q	9	Q	2	2	2	9	2.97	1.39	1.09	2.03	0.65	Ţ	2.68	4.12	3.24	
		Oct-15	1.99	4.16	#	2.58	g	_	_	Q	1.97	0.12	3.33	4.51	0.49	g	9	3.63	3.77	g	g	Q	Q	Q	ND	ND	Q	Q	Q	9	Q	2	2	2	9	2.64	4.14	1.99	4.18	99.0	I	3.52	4.45	3.59	
		Nov-15	2.04	5.41	#	3.31	Q	QN	QN	Q	3.07	0.02	3.02	3.85	1.01	Q	Q	3.53	4.08	Q	Q	Q	Q	Ι	ND	ND	Q	Q	QN	9	Q	1	2	Q	I	ı	2.92	2.31	5.64	0.65	Ι	4.37	5.32	4.39	
		Dec-15	1.96	4.83	#	3.44	Q	ΠN	ΩN	QN	3.08	0.11	3.52	4.46	1.33	Q	Q	3.68	4.23	Q	Q	QN	QN	QN	ΩN	ND	Q	QN	QN	9	Q	Q	2	Q	2	4.28	4.27	2.82	1.96	22'0	Ι	4.62	4.46	4.65	
		Jan-16	1.77	3.24	#	2.47	Q	I	I	Q	09.0	0.02	2.46	2.97	0.22	Q	Ð	3.43	3.41	Ð	Q	Q	Q	Q	ND	ND	Q	Q	Q	9	Q	Q	9 :	Q	9	2.83	2.37	2.51	1.92	0.74	I	3.46	4.77	3.07	
,	91	Feb-16	1.85	1.85	#	2.31	ND	_	_	QN	0.04	0.16	1.99	2.42	0.15	ND	QN	3.32	3.82	QN	QN	ND	QN	QN	ND	ND	ND	ND	ND	ND	QN	ND	QN :	ND	Q	2.70	1.64	2.03	2.53	92.0	-	2.42	4.69	2.45	
9800	102	Mar-16	1.43	3.14	#	1.66	2	1	QN	Q	0.03	0.02	2.43	2.68	0.44	2	Q	3.42	2.97	Q	Q	Q	Q	Q	ND	ND	Q	ND	Ω	Q	Q	Q	Q !	Q	2	3.34	2.09	2.93	3.21	0.74	ı	3.81	3.67	3.05	
		Apr-16	1.73	3.18	#	1.90	Q	QN	QN	Q	0.71	0.01	2.49	4.18	0.48	Q	Q	3.33	3.37	Q	Q	QN	QN	QN	ND	ND	Q	ND	ND	Q	Q	Q	Q !	Q	2	2.12	2.17	2.22	2.66	0.73	I	3.09	3.66	2.94	
* Depth to	Water (feet)	,	13.02	13.03	1	11.05	9:30	98.9	7.75	8.70	11.21	11.16	13.05	14.70	12.63	11.12	10.35	13.53	13.70	10.56	10.89	11.13	9.76	9.12	9.81	11.56	14.55	10.58	11.00	8.91	8.73	7.10	9.75	9.04	8.78	14.10	17.25	14.33	14.51	12.78	ı	16.40	16.75	16.55	
* Depth to			11.29	9.85	8.93	9.15	Q	QN	QN	Q	10.50	11.15	10.56	10.52	12.15	Q	Q	10.20	10.33	Q	Q	Q	Q	QN	ND	ND	Q	QN	ND	Q	Q	Q.	Q !	Q	Q	11.98	15.08	12.11	11.85	12.05	I	13.31	13.09	13.61	
	well number		MW – 4	MW-5	MW – 6	MW - 7	MW - 8	MW - 12	MW - 13	MW – 14	MW - 15	MW – 16	MW - 20	MW - 21	MW - 22	MW - 23	MW - 24	MW - 25	MW - 26	MW - 27	MW - 28	MW - 29	MW - 30	MW - 31	MW - 32	MW - 34	MW - 35	MW - 36	MW - 37	MW - 38	MW - 39	MW - 40	MW - 41	MW - 42	RW - 1	RW-2	RW-3	RW – 4	RW - 5	RW – 6	RW - 8 **	RW - 9	RW - 10	RW – 11	

Notes:
Data recorded using an oil/water interface probe, measurements from the tops of well casings.

#= INAPL observed, apparent thickness not determined
NI = Not installed
NI = Not installed
Wells MAY.1, MAY.2, MAY.9, MAY.10, MAY.17, MAY.19, MAY.19 and RW.7 are associated with NYSDEC Spill 06-01862 and are under a separate investigation.
Total of 90 gallons of product removed in April 2016

est = Estimated value

* = Well expupped with automated product recovery system

= Data not recorded due to access issues

* Wells were gauged on April 15, 2016



PROJECT STATUS REPORT – May 2016

TO: Bryan Wong (NYSDEC) Email: yukyin.wong@dec.ny.gov

CC: Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov

Dupont Street Developers, LLC

Joseph Brunner

Jane O'Connell (NYSDEC)

Michael Roux

Email: adm@expertainc.com
yb321@yahoo.com
jane.oconnell@dec.ny.gov
Email: mroux@rouxinc.com

Wendy A. Marsh Email: <u>wmarsh@hancocklaw.com</u>

FROM: Stephanie O. Davis, CPG, Vice President

DATE: June 9, 2016

This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in May 2016. Activities during this period were conducted by FPM Group (FPM). Roux Associates, Inc. (Roux) representatives also participated in Site evaluations and communications. 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. The revised Feasibility Study (FS) for the Site was undergoing review by the NYSDEC and NYSDOH. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

A. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on May 13, 2016. A table documenting the product apparent thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL 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 product, 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.

New well covers (manholes) were noted for offsite monitoring wells MW-12 and MW-13 located within the Greenpoint Landing construction area. The well covers appear to have been properly installed, the tops of the well casings appeared to have remained undisturbed, and both wells were functional.

Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; 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 extent of the product.



In May 2016 the depth to the water table generally decreased in most wells relative to the depths observed in April 2016, most likely in response to May rainfall events. Product apparent thicknesses were noted to decrease in most of the wells, which is a typical response to a rise in the water table.

The amount of LNAPL removed from the wells during this event is estimated as 60 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 1,356 gallons of product have been removed from the subsurface since early 2015, with most of the product disposed. Approximately 344 gallons of product remain stored at this time in 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; the most recent waste removal event was conducted on February 9, 2016; the completed waste manifest from the February 9, 2016 disposal event was received in May 2016 and is attached. To date Eastern has transported and disposed an estimated 1,012 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.

B. Feasibility Study

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC, NYSDOH, and the established document repositories for review on January 28, 2016. The NYSDEC transmitted comments regarding the FS to the remedial party on March 3, 2016. The FS was revised to address the NYSDEC's comments and the revised FS was transmitted to the NYSDEC, NYSDOH, and document repositories on April 21, 2016. On May 16, 2016 the NYSDEC conducted a conference call with FPM and Roux representatives to discuss additional comments concerning the FS.

C. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal communications in May 2016. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

Attachments

Attachment A – Apparent Thickness of LNAPL

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

February 9, 2016 waste disposal manifest

S:\Rigano LLC\49 Dupont Brooklyn\Monthlyreporting And IRM\Monthlyreports\May2016_Monthlystatusrpt.Docx



		Sept. 2012	3.13	5.58	2.14	1.83	QN	Q	Q	Q	2.67	0.20	3.80	4.15	1.80	Q	Q	3.96	4.02	Q	z	z	z	z	Z	Z	Z	Z	z	Z	z	Z	z	z	Q	5.85	3.88	3.35	1	0.06	1	5.33	1	4.40
		Oct. 2012 Se	0.33	3.41	3.49	1.84	Q	Q	Q	₽	0.76	0.24	3.15	2.04	0.18	Ð	9	4.40	2.61	Ð	z	z	z	Z	Z	N	Z	N	Z	Z	Z	Z	z	Z	₽	1.50	3.50	3.45	1.88	0.22	1	2.98		2.58
	2012	Nov. 2012 O	0.31	3.50	1	2.00	QN	QN	QN	Q	66.0	Q	3.39	2.89	0.21	Q	Q	7.86	1	66.0	z	z	z	z	z	Z	Z	N	z	Z	z	z	z	z	Q	1.92	2.84	1	3.00	06:0	1	3.83	1	4.49
		Dec. 2012 No	08.0	4.11	-	1.36	QN	Q	Q	Q	1.56	0.20	1.38	4.23	0.18	Q	Q	2.82	1.62	QN	z	Z	Z	z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Q	2.52	3.58	2.95	2.35	0.15	1	3.08		2.93
		Jan. 2013 De	0.44	3.00	-	1.30	QN	Q	QN	Q	1	0.25	1.35	4.10	1.20	Q	Q.	3.70	2.45	Q	Q.	Q	z	z	z	Z	z	Z	z	z	z	z	z	z	Q	4.20	3.70	3.05	1	0.40	ı	3.50	1	3.50
		Feb. 2013 Ja	0.44	4.32	-	5.45	Q	Q	2	₽	1.07	0.10	1.10	3.75	1.15	2	9	4.34	1.00	9	2	Ð	Z	Z	Z	N	Z	N	Z	Z	Z	Z	z	Z	₽	3.75	3.34	3.00	1	0.21	1	3.11	1	3.11
		Mar. 2013 F	29.0	2.39	-	4.92	QN	Q	Q	Q	0.32	0.01	1.20	3.43	0.62	Q	Q	3.96	2.33	Q	Q	Q	z	z	z	Z	Z	Z	z	z	z	z	z	z	Q	3.48	3.20	3.15	1	0.50	ı	2.62	1	2.67
		Apr. 2013 N	0.59	3.00	-	1.92	QN	Q	Q	Q	1	0.02	3.32	3.38	0.50	Q	Q.	3.96	2.86	Q	Q	Q	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	z	Z	ı	2.92	3.90	3.06	2.62	0.45	1	4.40	1	3.15
		Jul. 2013 A	2.22	3.92	2.82	1.06	₽	Ð	₽	₽	0.70	0.07	1.37	3.66	98.0	₽	₽	3.58	3.69	₽	₽	₽	z	z	Z	Z	Z	Z	Z	Z	Z	z	z	Z	₽	2.96	1.44	1.08	0.51	0.08	3.64	2.37	3.55	3.49
	2013	Aug. 2013	3.49	5.08	2.42	2.77	QN	Q	Q	Q	2.14	0.05	3.33	4.37	1.12	Q	Q	4.41	4.18	Q	Q	Q	Q	Q	Q	ND	ND	Z	z	z	z	z	z	z	Q	4.07	2.96	2.75	69.0	0.10	4.59	4.09	4.11	3.91
		Sept. 2013 /	#	#	#	##	QN	Q	QN	Q	#	#	#	#	#	Q	Q.	#	#	Q	Q	Q	Q	Q	Q	ND	ND	Z	Z	z	z	z	z	z	Q	#	#	#	#	##	#	#	#	#
		Oct. 2013 S	0.78	5.54	2.00	4.00	QN	QN	QN	Q	3.34	0.19	4.11	4.66	0.50	Q	Q	4.01	4.62	QN	Q	Q	Q	Q	QN	ND	ND	Z	z	z	z	z	z	z	Q	3.86	1.68	1.46	0.54	0.67	4.13	3.08	4.11	2.65
		Nov. 2013	99.0	7.17	2.76	4.70	Q	Q	2	₽	3.19	0.22	4.90	3.72	69.0	2	2	5.56	4.47	2	2	Ð	9	Q	₽	ND	ND	N	Z	Z	Z	Z	z	Z	9	5.09	3.33	2.30	62.0	1.30	3.92	4.88	3.99	5.48
		Dec. 2013	0:30	6.46	2.89	4.78	QN	Q	Q	Q	3.11	0.23	5.07	3.13	1.07	Q	g	99.9	4.44	Q	Q	Q	Q	Q	Q	ND	ND	Z	z	z	z	z	z	z	Q	3.19	3.60	2.67	09.0	0.94	2.46	5.25	3.81	4.27
		Jan. 2014	0.22	_	1	-	I	1	1	1	ı	ı	4.19	3.37	1.22	Q	ı	1	4.34	1	Q	Q	ı	I	I	ND	ND	Z	Z	z	Z	z	Z	Z	Q	2.80	4.60 (est)	2.45	0.52	0.41	2.37	4.34	3.80	3.66
		Feb. 2014	0.23	2.98	3.43	-	ı	1	1	ı	0.38	0.10	2.58	2.48	0.75	Q	ı	1	3.80	ı	Q	Q	ı	ı	ı	ND	ND	N	Z	Z	Z	z	z	Z	Q		2.28	3.27	0.43	0.96	98.0	2.71	3.48	2.59
NAPL (feet)		Mar. 2014	Trace	2.80	2.84	0.17	QN	Q	QV	QN	0.30	0.01	2.90	2.47	98.0	Q	Q	3.75	3.48	QN	Q	Q	Q	Q	QN	ND	ND	Z	z	z	z	z	z	z	Q	3.05	2.90	3.25	0.93	1.28	1.47	2.90	3.89	2.54
ickness of LNAPL (feet)		Apr. 2014	0.01	3.14	ı	0.17	QN	Q	Q	Q	0.61	0.01	1.47	5.69	0.74	Q	2	3.91	2.71	Q	Q	Q	Q	Q	Q	ND	ND	Z	Z	Z	Z	z	z	Z	Q	1.30	1.58	1.81	0.12	0.45	0.65	1.02	3.38	2.03
Apparent Thi	2014	May-14	ı	_	ı	_	-	ı	1	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	I	-	_	N	Z	Z	Z	z	Z	Z	I	ı	_	ı	ı	_	ı	-	ı	ı
A		Jun-14	Trace	3.39	#	0.01	Ð	9	9	9	0.45	Trace	2.06	1.99	0.85	9	₽	3.48	3.02	₽	9	9	9	9	₽	QN	ND	N	Z	Z	z	z	z	Z	₽	0.11	4.12	2.86	0.17	0.79	2.95	4.14	3.18	3.87
		Jul-14	1.24	1.97	#	0.60	QN	QN	QN	QN	#	0.99	2.92	4.90	0.54	QN	QV	3.65	4.50	QN	QV	QN	QN	QN	QN	ND	ND	Z	z	z	z	z	z	z	ND	4.52	3.56	#	0.17	0.78	#	4.92	3.57	4.46
		Aug. 2014	1.90	5.03	##	2.16	QN	I	1	Q	2:32	0.03	1.71	4.64	1.02	Q	2	4.02	3.70	Q	Q	Q	Q	Q	Q	ND	ND	ND	Q	Z	Z	Z	Z	Z	Q	4.53	3.45	2.88	0.43	0.64	4.48	4.59	3.74	4.42
		Sept. 2014	1.75	4.79	#	2.01	QN	QN	QN	Q	2.19	ı	1.87	3.62	1.03	Q	Q	3.16	3.84	QN	Q	Q	Q	Q	QN	ND	ND	ND	QN	Q	QN	Q	z	z	Q	4.52	3.50	2.78	0.85	0.71	4.01	4.81	3.93	4.43
		Jan. 2015	ı	4.40	##	##	-	ı	1	Q	1.71	0.02	5.13	3.23	1.27	Q	2	1.03	4.11	Q	Q	Q	Q	Q	Q	ON	Q	ND	Q	I	Q	Q	Q	2	Q	4.52	3.41	1.35	0.91	1.14	2:92	5.65	5.04	3.97
		Mar-15	0.56	3.10	#	1.79	QN	QN	QN	Q	1.67	0.08	4.38	3.46	1.33	Q	Q	1.07	4.14	QN	Q	Q	Q	Q	QN	ND	ND	ND	ND	QV	QN	Q	Q	2	Q	4.19	3.28	1.43	0.85	1.19	2.93	5.68	4.96	3.87
		Apr-15	ı	2.55	#	1.94	QN	Q	Q	Q	1.56	0.03	3.84	2.98	0.74	Q	Q	3.36	3.64	Q	Q	Q	Q	Q	Q	ND	ND	ND	ND	Q	Q	Q	Q	2	Q	2.82	1.81	3.53	0.70	0.71	2.14	4.28	3.65	3.00
		May-15	0.44	2.41	#	QN	Q	9	2	2	1.21	0.15	2.79	2.77	0.84	9	9	3.24	3.33	2	2	9	9	9	9	QN	Q	ND	Q	9	Ð	2	2	9	9	5.44	2.23	3.53	4.75	2.35	ı	4.79	3.95	3.67
		Jun-15	0.35	2.30	2.30	1.58	QN	Q	Q	Q	1.24	0.13	2.58	2.53	98.0	Q	2	2.81	3.18	Q	Q	2	2	Q	Q	ND	ND	ND	Q	Q	Q	2	2	9	Q	5.28	2.23	3.66	4.69	1.96	1	4.82	3.80	3.66
	2015	Jul-15	4.27	4.22	#	0.99	Q	1	1	Q	Q	0.14	2.88	2.97	0.79	2	2	3.53	3.65	Q	Q	Q	9	Q	Q	ND	Q	ND	Q	Q	Q	Q	9	9	Q	5.54	4.31	3.65	4.87	0.78	ı	3.04	5.71	3.43
		Aug-15	2.22	4.45	#	1.28	Q	1	1	Q	1.05	0.05	3.12	3.32	1.04	2	2	3.68	3.70	Q	Q	2	2	9	Q	ND	ND	ND	Q	Q	Q	2	2	9	Q	3.41	2.14	2.02	5.79	0.61	Ι	3.23	4.12	3.62
		Sep-15	1.77	4.26	#	1.46	Q	1	1	Q	1.05	0.05	3.25	3.63	1.17	2	2	3.53	4.00	Q	2	2	9	g	Q	ND	ND	ND	Q	Q	Q	2	2	9	Q	2.97	1.39	1.09	2.03	0.65	1	2.68	4.12	3.24
		5 Oct-15	1.99	4.16	#	2.58	Q	1	1	₽		0.12			0.49	2	2		3.77		2	2	2	2	₽	QN	Q	ND	Q	₽	₽	2	2	9				1.99	4.18		1	3.52		3.59
		5 Nov-15	2.04	5.41		3.31	QV	Q	Q	9		0.02			1.01		2		4.08			2		I	Q		Q						2				2:92		5.64		I	4.37		4.39
		6 Dec-15	1.96	4.83		3.44		QN		Q		0.11			1.33		2		4.23			2			QN			ND			Q								1.96		1	4.62		4.65
		6 Jan-16	1.77	3.24		2.47	QN	1				0.02			0.22		Q		3.41			Q						ND			Q								1.92		1	3.46		3.07
	3	16 Feb-16		1.85		3 2.31	Q	1				0.16			1 0.15																2										1			5 2.45
	2016	6 Mar-16	1.43	3.14	#	1.66	QN	1	QN		0.03			2.68	0.44	Q	Q	3.42	2.97	Q	Q		2		Q		ND	ND				-								0.74	I	3.81		3.05
		l6 Apr-16	1.73	3.18		1.90	QN	Q		2	0.71			4.18	97.0		2		3.37	2		2			9								2							0.73	1	3.09		2.94
	0 3	May-16	1.53	3.07	#	2.11	Q	2	2	2	0.22	0.02	2.22	2.63	0.45	2	2	3.55	3.41	2	2	9	2	2	2	ND	N	ND	Q	2	Q	2	2	2	2	3.02	1.64	2.02	2.47	0.67	I	2.75	3.74	3.08
	* Depth to		12.92	13.42	1	11.16	9.72	7.15	99'2	8.52	10.63	11.11	12.62	13.92	12.49	11.03	10.24	13.65	13.49	10.47	10.88	11.05	10.65	9.02	9.71	11.36	14.40	10.50	10.93	8.75	8:58	8.92	10.63	6.95	8.70	14.90	16.64	14.03	14.17	13.61	I	15.95	16.70	16.31
	* Depth to		11.39	10.35	8.82	90.6	ΩN	QN	QN	QN	10.41	11.09	10.40	11.29	12.04	QN	QN	10.10	10.08	QN	QN	QN	Q	QN	QV	QN	QN	QN	Q	11.88	15.00	12.01	11.70	12.94	Ι	13.20	12.96	13.23						
	Well Number		MW - 4	MW - 5	MW - 6	MW - 7	MW - 8	MW - 12	MW - 13	MW - 14	MW - 15	MW - 16	MW - 20	MW - 21	MW - 22	MW - 23	MW - 24	MW - 25	MW - 26	MW - 27	MW - 28	MW - 29	MW - 30	MW - 31	MW - 32	MW - 34	MW - 35	MW - 36	MW - 37	MW - 38	MW - 39	MW - 40	MW - 41	MW - 42	RW - 1	RW - 2	RW - 3	RW - 4	RW - 5	RW – 6	RW - 8 **	RW - 9	RW- 10	RW - 11

Notes:

That recorded using an oil/water interface probe, measurements from the tops of well casings.

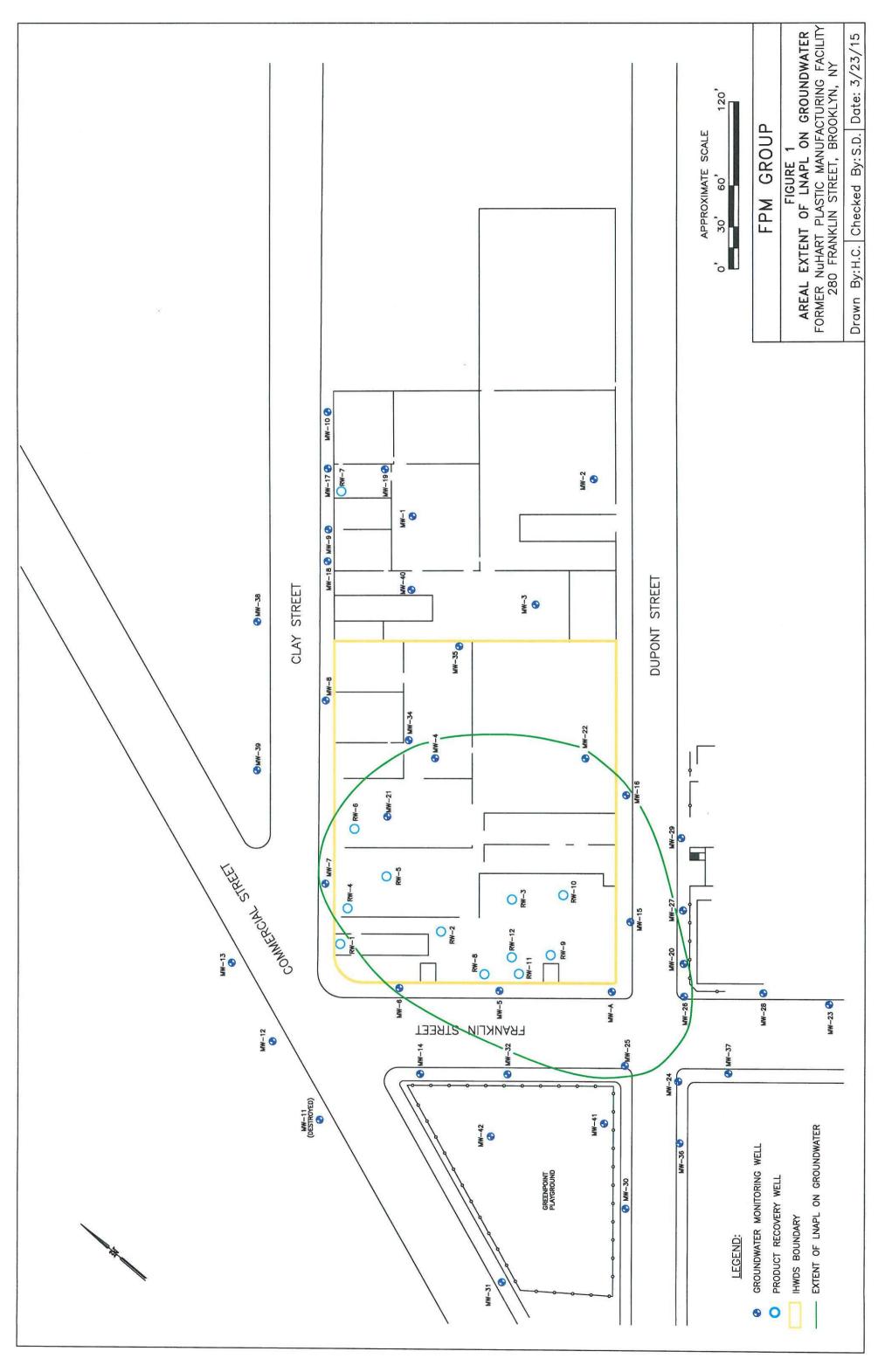
= LNAPL chaserved, apparent thickness not determined.

No in A decided.

No in the thick and are under a separate investigation.

Total of 60 gallons of product removed in May 2016.

est = Estimated value
... = Well equipped with automated product recovery system
... = Data not recorded due to access issues
. Wells were gauged on May 13, 2016



o pri	int or type. (Form design	ed for use on elit	e (12-pitch) typew	vriter.)		6		<u> </u>	A Section of the			OMB No. 2	050-003
UNII		Generator ID Nur	16835		2. Page	631	rgency Respons -727- a	700	4. Manifest	148	137	1 F	LE
	inerator's Name and Malling OF TON'T STREET BL-QL QUEENS erator's Phone: T18.6	and the state of t	AND THE RESERVE AND ADDRESS OF THE PARTY OF	and the second s	T, NY 1373	Conerat	ors Site Address Row 7 80 FRA	s (If different the STREE 7 NKCI'N	n mailing address DEVEU STREE NA 15	. 3	uc		
E	astern Env	i'RONMEN	7AC SOL	utions	Inc	1			J NYR U.S. EPAID	0001	<u>356</u>	24	·
7. Tra	ensporter 2 Company Name							-	U.S. EPAID			1. <u></u>	
C\ al	isignaled Facility Name and YCLE CHEM 7 SOUTH FO	Site Address 1 RST 57R • 355.	eet, eut Expo	ZABETH	、ハブ	0720	6	* 		A	3 00 C	H6_	
Facil 9a.	9b, U.S. DOT Description	n (including Proper		zard Class, ID No	ımber,	Kirk Sales Trans	10, Cont	ainers Type	11. Total Quantity	12. Unit Wt./Vol.	13,	Waste Code:	\$
HM	and Packing Group (if a	-विकेश्व हो - स्वत्य न्यात्रहरू स्वीतस्य	Action to the second	and the control of the second	roman and a window.				Section 1 to 2 to 3		0038	<u> </u>	
	NA 3082 H	92ARDOUS V	Jase, Lio	wid, N.O	.5.91		001	TT	875	<u> </u>			
	2.		•	•									
Sara	3.	, , , , , , , , , , , , , , , , , , , 				Ž							
· .						**************************************							ļ
	4.										ļ		
14.	Special Handling Instruction GENERATOR	s and Additional Int	omation		en e	s ¹	 ا ل		1	_ ! _ · · · · · ·			**********
	PAZHC	-00.	,										
15.	GENERATOR'S/OFFERO marked and labeled/placa Exporter, I certify that the I certify that the waste min	R'S CERTIFICATION TO THE REPORT OF THE REPOR	respects in proper c	ondition for trains	port according	Acknowledgmentity generator)	ent of Consent			shipping nan is, if export s		lassified, pack I am the Prin Ionth Da	
Ger	nerators/Offerors Printed/Ty	ped Name (Easking as	- Jan. 14. 6	ntal Sal	Intions \	Signature	52		<i>a</i>			2 9	
	International Shipments	Import	to U.S.		Expo	ort from U.S.		f entry/exit eaving U.S.:					
17.	Transporter Acknowledgmei nseorter 1 Printed Typed Na	nt of Receipt of Mate	rijals			Signature I	<			<i>j</i> —	N I	onth Da	y V
Tra	nsporter 2 Printed/Typed Na	MIII.	<u> </u>		· ·	Signature		My.		<i></i>	-	Nonth Da	iÿ Υ
_	Discrepancy								Partial	Polostion	· · · · · · · · · · · · · · · · · · ·	Full R	election
188	a. Discrepancy Indication Sp	oace Qua	intity	· LJ1	Гуре		Residue Manifest Refer	ence Number:					ojogao
18	b. Alternate Facility (or Gene	erator)						•	U.Ş. EPA I	D Number			
Fa 18	cility's Phone: c. Signature of Alternate Fa	cility (or Generator)		-, -, interpola	,		·	· _				Month C	Day
19	. Hazardous Waste Report	Management Metho	d Codes (i.e., codes	s for hazardous w	váste treatment	, disposal, and	recycling syster	ns)	4.				
1.	H14/	I		#4. \$00							,		7 96 90
-		grander of the same	cation of receipt of t	11.148.2	iala actioned by	the manifest o	xcept as noted in	n Item 18a				and a S	

PROJECT STATUS REPORT - June 2016

TO: Bryan Wong (NYSDEC) Email: yukyin.wong@dec.ny.gov

CC: Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov

Dupont Street Developers, LLC Email: adm@expertainc.com
Joseph Brunner Email: yb321@yahoo.com

Jane O'Connell (NYSDEC)

Email: jane.oconnell@dec.ny.gov

Email: mroux@rouxinc.com

Wendy A. Marsh

Email: wmarsh@hancocklaw.com

FROM: Stephanie O. Davis, CPG, Vice President

DATE: July 13, 2016

This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in June 2016. Activities during this period were conducted by FPM Group (FPM). Roux Associates, Inc. (Roux) representatives also participated in Site evaluations and communications. 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 shortly after the monitoring period in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system. The revised Feasibility Study (FS) for the Site was undergoing review by the NYSDEC and NYSDOH in June 2016. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

A. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on July 8, 2016. A table documenting the product apparent thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL 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 product, 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.

Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; 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 extent of the product.

The depth to the water table generally increased in most wells relative to the depths observed in May 2016, most likely in response to relatively dry conditions in June. Product apparent thicknesses were



noted to increase in most of the wells, which is a typical response to a drop in the water table.

The amount of LNAPL removed from the wells during this event is estimated as 120 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 1,476 gallons of product have been removed from the subsurface since early 2015, with most of the product disposed. Approximately 464 gallons of product remain stored at this time in 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. As of the date of this report waste disposal activities are being scheduled.

Eastern Environmental Solutions, Inc. (Eastern) is presently contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site; the most recent waste removal event was conducted on February 9, 2016. To date Eastern has transported and disposed an estimated 1,012 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.

B. Feasibility Study

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC, NYSDOH, and the established document repositories for review on January 28, 2016. The NYSDEC transmitted comments regarding the FS to the remedial party on March 3, 2016. The FS was revised to address the NYSDEC's comments and the revised FS was transmitted to the NYSDEC, NYSDOH, and document repositories on April 21, 2016. As of the date of this report, additional comments from the NYSDEC concerning the FS had been received by the remedial party on July 6, 2016.

C. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal communications in June 2016. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

Attachments

Attachment A – Apparent Thickness of LNAPL

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



																								Apparent Thi	ickness of	LNAPL (fee	t)															
Well Number	* Depth to	* Depth to			20	016								2015										2014									20	13						201	12	
	Product (feet)	Water (feet)	Jun-16	May-16	Apr-16	Mar-16	Feb-16	Jan-16	Dec-15	Nov-1	15 Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan. 2015	Sept. 2014	Aug. 2014	Jul-14	Jun-14	May-14	Apr. 2014	Mar. 2014	Feb. 2014	Jan. 2014	Dec. 2013	Nov. 2013	Oct. 2013	Sept. 2013	Aug. 2013	Jul. 2013	Apr. 2013	Mar. 2013	Feb. 2013	Jan. 2013	Dec. 2012	Nov. 2012	Oct. 2012	Sept. 2012
MW - 4	11.35	13.15	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	_	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	9.55	13.84	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	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	8.68	_	##	##	##	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	-	-	2.84	3.43	-	2.89	2.76	2.00	##	2.42	2.82	-	_	-	-	-	-	3.49	2.14
MW - 7	8.93	11.15	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	##	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	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	ND	ND	ND	ND	ND						
MW – 12	ND	7.22	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	ND	ND	ND
MW – 13	ND	7.55	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	ND
MW – 14	ND	9.40	ND			ND	_	ND	ND		_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																	
MW – 15	10.29	10.77	0.48		0.71	0.03	0.04	0.60	3.08			1.05	1.05	ND	1.24	1.21	1.56	1.67	1.71		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	11.00	11.25	0.25	0.02	0.01	0.02	0.16	0.02	0.11			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	10.25	13.10		2.22	2.49	2.43	1.99	2.46	3.52	_		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	11.34	14.29	2.95	2.63	4.18	2.68	2.42	2.97	4.46			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	11.96	12.58	0.62		0.48	0.44	0.15	0.22	1.33			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	9.81	ND			ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																	
MW - 24	ND	9.95	ND			ND 0.50	ND	_	ND	ND		_	ND	ND	ND	ND	ND	ND 0.50	ND	ND	ND	ND	ND	ND	ND	ND																
MW - 25	9.83	13.58	3.75	3.55	3.33	3.42	3.32	3.43	3.68	_		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	9.91 ND	13.73	3.82 ND	3.41 ND	3.37 ND	2.97 ND	3.82 ND	3.41 ND	4.23 ND			4.00 ND	3.70 ND	3.65 ND	3.18 ND	3.33 ND	3.64 ND	4.14 ND	4.11 ND	3.84 ND	3.70 ND	4.50 ND	3.02 ND	_	2.71 ND	3.48 ND	3.80	4.34	4.44 ND	4.47 ND	4.62	## ND	4.18 ND	3.69 ND	2.86 ND	2.33 ND	1.00 ND	2.45 ND	1.62	0.99	2.61 ND	4.02 ND
MW – 27 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	ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND NI	0.99 NI	NI NI	NI NI							
MW - 29	ND ND	9.29	ND ND	ND	ND	ND	ND	ND	ND			ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	NI	NI	NI	NI											
MW - 30	ND	9.42	ND			ND	_	ND	ND	-	-	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI																	
MW - 31	ND	9.38	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	NI	NI	NI	NI	NI	NI	NI	NI	NI																	
MW - 34	ND	11.46	ND			ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI																	
MW - 35	ND	14.49	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI						
MW - 37	ND	8.61	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	8.95	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	8.78	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	7.10	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	8.40	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	8.48	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	8.61	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND						
RW – 2	12.21	14.62	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	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	14.86	17.35	2.49	1.64	2.17	2.09	1.64	2.37	4.27	2.92	2 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	7.90	10.22	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	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	11.75	14.51	2.76		2.66	3.21	2.53	1.92	1.96	_		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	11.96	12.77	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	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	13.08	16.26	3.18		3.09	3.81	2.42	3.46	4.62			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	12.86	16.55	3.69	3.74	3.66	3.67	4.69	4.77	4.46			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	13.10	16.53	3.43	3.08	2.94	3.05	2.45	3.07	4.65			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 **	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	'	

Data recorded using an oil/water interface probe, measurements from the tops of well casings.
= LNAPL observed, apparent thickness not determined
NI = Not installed
ND = Not detected
Wells MW-1, MW-2, MW-3, 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 120 gallons of product removed in June 2016

est = Estimated value

** = Well equipped with automated product recovery system

— Data not recorded due to access issues

*Wells were gauged on July 8, 2016

LNAPL.dwg, 3/23/2015 3:01:12 PM, Tabloid

OF

H:\DUPONT\ADDITIONAL TCE 1134g-15-12\AREA EXTENT

PROJECT STATUS REPORT - July 2016

TO: Bryan Wong (NYSDEC) Email: yukyin.wong@dec.ny.gov

CC: Dawn Hettrick (NYSDOH) Email: dawn.hettrick@health.ny.gov

Dupont Street Developers, LLC Email: adm@expertainc.com
Joseph Brunner Email: yb321@yahoo.com

Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Michael Roux Email: mroux@rouxinc.com

Wendy A. Marsh Email: wmarsh@hancocklaw.com

FROM: Stephanie O. Davis, CPG, Vice President

DATE: August 9, 2016

This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in July 2016. Activities during this period were conducted by FPM Group (FPM). Roux Associates, Inc. (Roux) 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. The revised Feasibility Study (FS) for the Site was undergoing additional revision following receipt of comments from the NYSDEC and NYSDOH on July 6, 2016. Investigation activities for the Site were previously completed as documented in previous project status reports and are not discussed herein.

A. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on July 21, 2016. A table documenting the product apparent thickness measurements is provided as Attachment A and a Well Location Map showing the extent of LNAPL 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 product, 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.

Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; 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 extent of the product.



The depths to the water table were variable relative to the depths noted in the June 2016 status report, with some wells showing increases and some wells showing decreases. Product 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. These are typical responses to changes in the water table.

The amount of LNAPL removed from the wells during this event is estimated as 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 1,546 gallons of product have been removed from the subsurface since early 2015, with most of the product disposed. The removed product is stored in 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 July 21, 2016 during the monitoring event, and included removal of 500 gallons of product for proper disposal offsite. To date Eastern has transported and disposed an estimated 1,512 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The manifest from this disposal event is pending and will be provided in the monthly progress report after it is received. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Additional monitoring of select offsite wells is being conducted by Langan as of July 27, 2016 during dewatering operations for the nearby Greenpoint Landing project. Langan is providing the monitoring data to the NYSDEC as well as to Roux and FPM on a weekly basis during dewatering operations and will provide additional notifications if any unexpected conditions occur. To date the dewatering has been intermittent, no product has been noted in any of the monitored wells, and no significant changes in the water table configuration have been noted.

B. Feasibility Study

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC, NYSDOH, and the established document repositories for review on January 28, 2016. The NYSDEC transmitted comments regarding the FS to the remedial party on March 3, 2016. The FS was revised to address the NYSDEC's comments and the revised FS was transmitted to the NYSDEC, NYSDOH, and document repositories on April 21, 2016. Additional NYSDEC comments concerning the FS were received by the remedial party on July 6, 2016. The NYSDEC was notified on July 21, 2016 that the FS will be revised and resubmitted on or before August 19, 2016.

C. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal communications in July 2016. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

Attachments

Attachment A – Apparent Thickness of LNAPL

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

S:\Rigano LLC\49 Dupont Brooklyn\Monthlyreporting And IRM\Monthlyreports\July2016_Monthlystatusrpt.Docx



LNAPL.dwg, 3/23/2015 3:01:12 PM, Tabloid

OF

H:\DUPONT\ADDITIONAL TCE 1134g-15-12\AREA EXTENT

																								A	pparent Th	ickness of l	NAPL (fee	it)														
Well Number	* Depth to Product (feet)	* Depth to Water (feet)				2016									2015										2014		•							201	3						2012	2
	Product (feet)	water (feet)	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. 2015	Sept. 2014	Aug. 2014	Jul-14	Jun-14	May-14	Apr. 2014	Mar. 2014	Feb. 2014	Jan. 2014	Dec. 2013	Nov. 2013	Oct. 2013 Sep	t. 2013 Au	ug. 2013	Jul. 2013	Apr. 2013	Mar. 2013	Feb. 2013	Jan. 2013	Dec. 2012	Nov. 2012	Oct. 2012 Sept. 20
MW - 4	11.49	13.22	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	_	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	9.58	13.61	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	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	8.85	_	##	##	##	##	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	_	_	2.84	3.43	_	2.89	2.76	2.00	##	2.42	2.82	_	_	_	_	_	- 7	3.49 2.14
MW - 7	8.98	10.56	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	##	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	9.97	ND	_	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND																
MW - 12	ND	7.10	ND	ND	ND	ND	_	_	_	ND	ND	-	-	-	_	ND	ND	ND	ND	_	ND	-	ND	ND	_	ND	ND	-	_	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
MW - 13	ND	7.77	ND	ND	ND	ND	ND	_	_	ND	ND	_	_	_	_	ND	ND	ND	ND	_	ND	-	ND	ND	_	ND	ND	-	_	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
MW - 14	ND	8.27	ND	ND	ND	ND	ND	_	ND	ND	-	_	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND																	
MW - 15	10.38	10.45	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	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	11.02	11.03	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	_	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	10.28	13.16	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	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	11.28	14.24	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	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	12.00	12.87	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	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	10.99	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND																	
MW - 24	ND	10.11	ND	ND	ND	ND	ND	-	ND	ND	_	_	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND																	
MW - 25	9.88	13.89	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	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	9.95	13.53	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	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	- 7	2.61 4.02
MW - 27	ND	10.40	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND ND																	
MW - 28	ND	10.72	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI NI																	
MW - 29	ND	11.05	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND I	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI NI																	
MW - 30	ND	9.18	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND I	ND	ND	NI	NI NI																							
MW - 31	ND	8.82	ND	_	ND	ND	ND	ND	ND	_	ND	ND	_	_	ND	ND	ND I	ND	ND	NI	NI NI																					
MW - 32	ND	9.56	ND	ND	ND	ND	ND	-	ND	ND	-	-	ND	ND	ND I	ND	ND	NI	NI NI																							
MW - 34	ND	11.56	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND I	ND	ND	NI	NI NI																							
MW - 35	ND	14.52	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND I	ND	ND	NI	NI NI																							
MW - 36	ND	10.39	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	10.80	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	9.03	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	8.86	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	7.19	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	8.71	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	9.47	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	8.55	ND	_	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND I	ND	ND	ND	-	ND	ND	ND	ND	ND	ND ND															
RW - 2	11.90	13.95	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	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	14.91	16.88	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	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	12.05	14.70	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	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	11.66	16.63	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	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	11.91	13.20	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	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	_	_	_	-	_	$=$ \top	
RW - 9	13.17	15.32	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	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	12.87	16.78	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	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	13.21	16.19	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	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 **	_	_	_	_	_	_		_	_	-	-	_	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_	-	-	_	_		_	_	_	_	_	_	_	$\overline{}$	

Notes:
Data recorded using an oil/water interface probe, measurements from the tops of well casings.
= LNAPL observed, apparent thickness not determined
NI = Not installed
ND = Not detected
Wells MW-1, MW-2, MW-3, 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 70 gallons of product removed in July 2016

est = Estimated value

** = Well equipped with automated product recovery system

—= Data not recorded due to access issues

* Wells were gauged on July 21, 2016



Proactive by Design

SEOTECHNICAL

ENVIRONMENTAL

ECOLOGICA

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



September 9, 2016 File No. 12.0076850.00

Via email: yukyin.wong@dec.ny.gov
Mr. Bryan Wong
New York State Department of Environm

New York State Department of Environmental Conservation Division of Environmental Remediation, Region 2 47-40 21st Street Long Island City, New York 11101

Former NuHart Plastic Manufacturing Site # 224136

280 Franklin Street Brooklyn, New York

Project Status Report

Dear Mr. Wong:

Re:

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 August 2016 to September 2016. If you have any questions, please contact us at 973-774-3350.

Sincerely,

GZA GeoEnvironmental

James M. Bellew

Senior Project Manager

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

Principal

Ernest R. Hanna, P.E. Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH)
Dupont Street Developers, LLC
Joseph Brunner

Jane O'Connell (NYSDEC)

Wendy A. Marsh

Email: dawn.hettrick@health.ny.gov

Email: bojinzhu@gmail.com Email: yb321@yahoo.com

Email: jane.oconnell@dec.ny.gov Email: wmarsh@hancocklaw.com



Proactive by Design

EOTECHNICAL

ENVIRONMENTAL

ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in August 2016. During this period, Dupont Street Developers, LLC retained GZA GeoEnvironmental, of New York. (GZA) as its environmental consultant. Activities during this period were conducted by FPM Group (FPM), Roux Associates, and 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-aqueousphase 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. The revised Feasibility Study (FS) for the Site was submitted to NYSDEC on August 24, 2016. Copies of the FS were sent to the respective repositories via mail on September 6, 2016. 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 August 30, 2016. 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 product, 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 but not operational during the Site visit. The skimmer holding cells were both filled and it appeared that there was an overflow mechanism to prevent overfilling.

Monitoring and LNAPL Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; two of the off-Site monitoring wells (MW-31 and MW-38) were no longer discoverable due to new sidewalk slags installed on August 8, 2016 by others. Other 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 extent of the product. Low tide was observed (by NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY) on August 30, 2016 during the well gauging period (11:30 to 15:30) and appeared to have a limited impact on measured LNAPL thickness in the wells over time.

The depths to the water table were variable relative to the depths noted in the July 2016 status report, with some wells showing increases and some wells showing decreases.



Product 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. These are typical responses to changes in the water table.

The skimmer holding cells were emptied during this event. The amount of LNAPL removed from the wells was estimated at 100 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 1,646 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 July 21, 2016 during the monitoring event, and included removal of 500 gallons of product for proper disposal offsite. To date, Eastern has transported and disposed an estimated 1,512 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The manifest from this disposal event is pending and will be provided in the monthly progress report after it is received. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Additional monitoring of select offsite wells is being conducted by Langan as of August 26, 2016 during dewatering operations for the nearby Greenpoint Landing project. Langan is providing the monitoring data to the NYSDEC as well as to the owner's consultant on a weekly basis during dewatering operations and will provide additional notifications if any unexpected conditions occur. To date, the dewatering has been intermittent, no product has been noted in any of the monitored wells, and no significant changes in the water table configuration have been noted. The Langan project manager noted that there are two dewatering events that are currently being planned. Langan intends to coordinate the efforts of both of these events with the NYSDEC and the Owner's consultant.

Feasibility Study

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC, NYSDOH for review on January 28, 2016. The NYSDEC transmitted comments regarding the FS to the remedial party on March 3, 2016. The FS was revised to address the NYSDEC's comments and the revised FS was transmitted to the NYSDEC, NYSDOH, on April 21, 2016. Additional NYSDEC comments concerning the FS were received by the remedial party on July 6, 2016. At this time, the Owner retained GZA as the environmental consultant responsible for the resubmission of the he FS to address the NYSDEC's comments and include thermal conductive heating (TCH) enhanced recovery as an alternative. The revised FS was resubmitted to the NYSDEC on August 24, 2016.

Meetings and NYSDEC Communication

On August 22 2016, the NYSDEC met with the new project team, GZA, and the property owner to discuss the project status. Communication pertaining to Site-related technical matters will continue, as needed, between NYSDEC, GZA, the property owner, and others.



LNAPL Spill

On August 8, 2016, an offsite spill was observed on the Franklin Street sidewalk and a NYSDEC petroleum spill (#1604714) was reported. The spill was related to a release of LNAPL from a holding drum for recovery well RW-12. The tube of the belt skimmer became dislodged from the holding drum and resulted in LNAPL leaking onto the floor. The LNAPL exited the building through a drain hole located on the western wall abutting Franklin Street. Information from the spill is considered herein as appropriate. The NYSDEC case manager is Ryan M. Piper and the case is pending closure. The amount released is unknown with an estimate of 10 gallons inside and 1 gallon outside of the building. An initial cleaning of the sidewalk with degreasers and absorbents and the interior area was conducted right after the spill and additional cleaning was performed on August 11, 2016. The sidewalk and the interior area after cleaning was completed leaving no visible residual material in the area. In addition, secondary containment was constructed around the RW-8 and RW-12 recovery systems. The secondary containment included 6-mil poly sheeting placed beneath the recovery equipment and absorbent booms applied within the secondary containment areas around the recovery equipment. Additional absorbent materials and related equipment were staged onsite in proximity to the recovery systems and readily for use. All cleaning wastes were contained in a labeled drum that will be scheduled for removal and proper disposal. In addition, the horizontal wall drain (at floor elevation) drain leading to the sidewalk was cleaned and plugged.

Attachments

Attachment A – Apparent Thickness of LNAPL

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

	45.4																					Appare	nt Thicknes	ss of LNAPI	L (feet)																		
Well Number	*Depth to Product (feet)	*Depth to Water (feet)				201	16									2015										2014									201	13						20	12
	Trouder (reet)		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	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	11.34	13.05	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	_	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	9.94	14.25	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	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	9.12	_	##	##	##	##	##	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	_	_	2.84	3.43	_	2.89	2.76	2.00	##	2.42	2.82	_	_	_	_	_	-	3.49 2.14
MW - 7	9.41	11.30	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	##	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	10.41	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									
MW - 12	ND	7.59	ND	ND	ND	ND	ND	_	_	_	ND	ND	_	_	_	_	ND	ND	ND	ND	_	ND	_	ND	ND	_	ND	ND	_	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
MW - 13	ND	8.17	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	ND	ND	ND	ND ND
MW – 14	ND	8.73	ND	ND	ND	ND	ND	ND	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	10.64	11.45	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	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	ND	11.35	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	_	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	10.91	13.80	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	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	11.30	14.91	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	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	12.35	12.86	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	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	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	ND	ND	ND	ND	ND ND									
MW – 24	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									
MW – 25	10.25	13.90	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	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	10.26	14.52	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	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	10.74	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	0.99	ND ND									
MW – 28	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	ND	ND	ND	ND	ND	NI	NI	NI NI									
MW – 29	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	ND	ND	NI	NI	NI NI									
MW - 30	ND	9.09	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	NI	NI	NI	NI	NI	NI	NI	NI NI																	
MW - 32	ND	9.92	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	11.90~11.94	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	14.61	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	10.72	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	11.15	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	9,35	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	7.55	ND	<u> </u>	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	9.75	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	9.01	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	8.99	ND	_	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND ND																		
RW – 2	12.11	13.99	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	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	15.22	18.30	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	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	12.36	15.09	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	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	11.72	12.22	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	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	12.24	13.70	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	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 **	-	-	-	1.2)	- 0.01	3.07	-	-	J.70	-			_	_		-		2.55	2.14	2.93	2.92	4.01	4.48	##	2.95	_	0.45	1.47	0.86	2.37	2.46	3.92	4.13	##	4.59	3.64	-	_			-	_	
RW – 9	13.46	16.65	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	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	13.22	17.66	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	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	0	2.02	_				
RW - 10	13.48	17.14	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	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 – 11 RW– 12 **	13.46	17.14	5.00	2.98	5.45	3.00	2.74	3.03	2.43	3.07	4.03	4.37	3.37	3.24	3.02	J.43	3.00	3.07	3.00	3.07	3.71	7.43	4.42	7.40	5.67	_	2.03	2.34	2.37	3.00	4.21	J.40	2.03	ππ	5.71	J. 4 7	5.15	2.07	3.11	3.30	2.93	7.47	2.30 4.40
KW-12 ***		_		_	_	_	_		_	_	_	_	_	_		_	_	_		_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_	

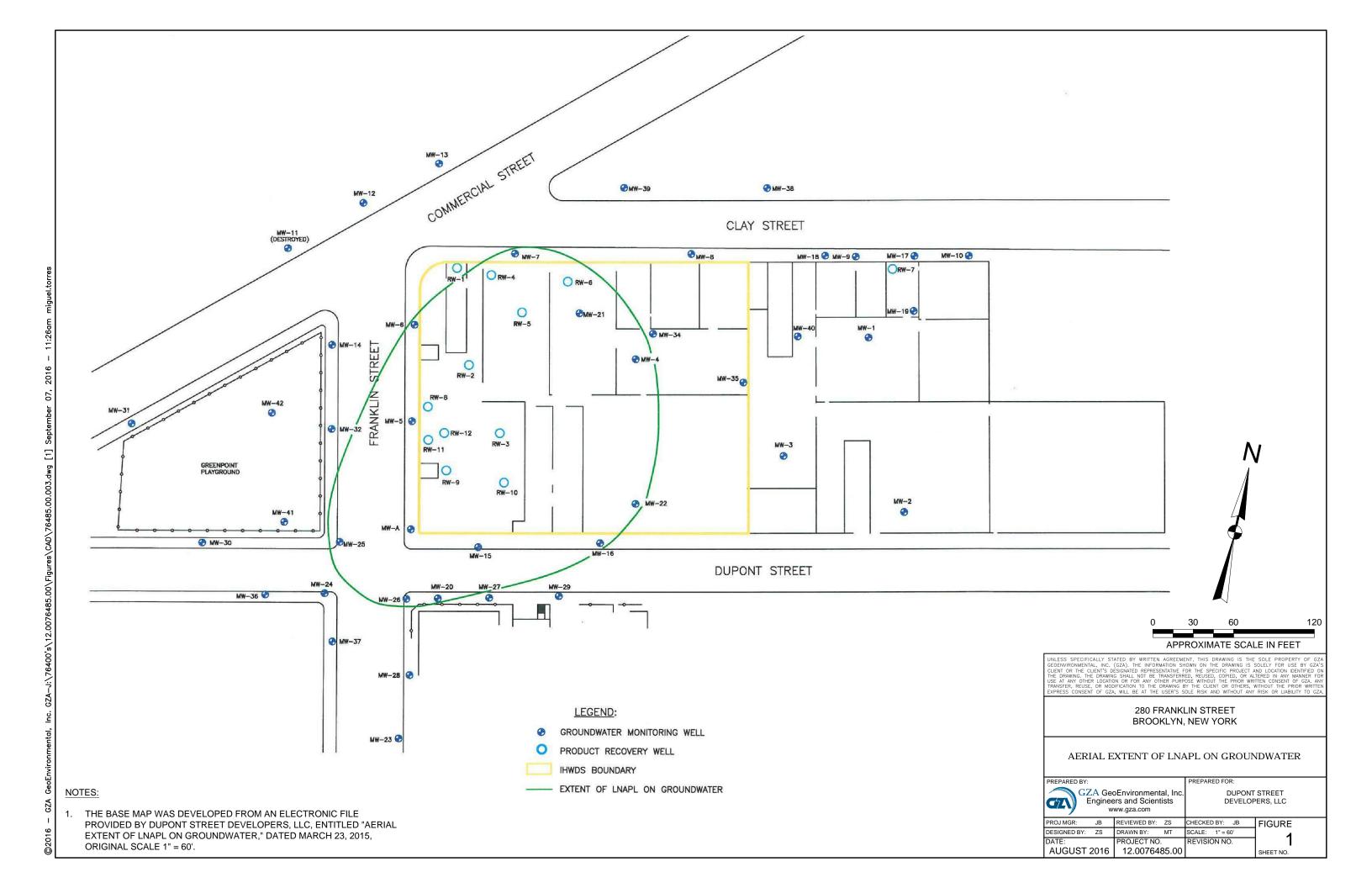
Data Recorded using an oil/water interface probe, measurements from the tops of well casings
= :APL observed, apparent thickness not determinded
NI = Not Installed
ND = Not Detected
Wells MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and RW-7 are associated with NYSDEC Spill 06-01852 and are under a separate investigation
Total of 100 gallons of product removed in August 2016
Wells MW-31 and MW-38 are covered by the new installed sidewalk slabs
Well-34 has uneven casting top

est= Estimated Value

** = Well equipped with automated product recovery system

_= Data not recorded due to access issues

* Wells were gauged on August 30, 2016





SEOTECHNICAL

ENVIRONMENTAL

ECOLOGICA

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



October 7, 2016 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 September 2016 to October 2016. If you have any questions, please contact us at 973-774-3350.

Sincerely,

GZA GeoEnvironmental

James M. Bellew

Senior Project Manager

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

Principal

Ernest R. Hanna, P.E. Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH)
Dupont Street Developers, LLC
Joseph Brunner
Jane O'Connell (NYSDEC)

Wendy A. Marsh

Email: dawn.hettrick@health.ny.gov

Email: bojinzhu@gmail.com Email: yb321@yahoo.com



GEOTECHNICAL

ENVIRONMENTAL

ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in September 2016. 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. The revised Feasibility Study (FS) for the Site is currently under review by NYSDEC. The Draft Site Soil Management has been prepared and submitted to NYSDEC on September 19, 2016. 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 October 3, 2016. 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 product, 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 skimmer holding cells were both filled and it appeared that there was an overflow mechanism to prevent overfilling.

Monitoring and LNAPL Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; two of the off-Site monitoring wells (MW-31 and MW-38) were no longer discoverable due to new sidewalk slags installed on August 8, 2016 by others. Other 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 extent of the product. High tide was observed (by NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY) on October 3, 2016 during the well gauging period (10:30 am to 15:30 pm).

The depths to the water table were variable relative to the depths noted in the August 2016 status report, with some wells showing increases and some wells showing decreases. Product 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 100 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 1,746 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 July 21, 2016 during the monitoring event, and included removal of 500 gallons of product for proper disposal offsite. To date, Eastern has transported and disposed an estimated 1,512 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The manifest from this disposal event is pending and will be provided in the monthly progress report after it is received. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Additional monitoring of select offsite wells is being conducted by Langan as of July 27, 2016 during dewatering operations for the nearby Greenpoint Landing project. Langan is providing the monitoring data to the NYSDEC as well as to the owner's consultant on a weekly basis during dewatering operations and will provide additional notifications if any unexpected conditions occur. To date, the dewatering has been intermittent, no product has been noted in any of the monitored wells, and no significant changes in the water table configuration have been noted. The Langan project manager noted that there are two dewatering events that are currently being planned. Langan intends to coordinate the efforts of both of these events with the NYSDEC and the Owner's consultant.

Feasibility Study and Site Soil Management Report

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC and NYSDOH for review on January 28, 2016. The NYSDEC transmitted comments regarding the FS to the remedial party on March 3, 2016. The FS was revised to address the NYSDEC's comments and the revised FS was transmitted to the NYSDEC and NYSDOH, on April 21, 2016. Additional NYSDEC comments concerning the FS were received by the remedial party on July 6, 2016. At this time, the Owner retained GZA as the environmental consultant responsible for the resubmission of the FS to address the NYSDEC's comments and include thermal conductive heating (TCH) enhanced recovery as an alternative. The revised FS was resubmitted to the NYSDEC on August 24, 2016 and is currently under review.

Pursuant to a request by the NSYDEC, GZA has prepared the Site Soil Management Plan (SSMP) to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. The draft SSMP was submitted to NYSDEC on September 19, 2016.

Meetings and NYSDEC Communication

Communication pertaining to Site-related technical matters will continue, as needed, between NYSDEC, GZA, the property owner, and others.



Attachments

Attachment A – Apparent Thickness of LNAPL

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

		T																				Appa	arent Thick	mess of LN	NAPL (feet)																				\neg
Well Number	*Depth to Product (feet)	*Depth to Water (feet)					2016										2015										2014									2013	3						2012		
	Troduct (rect)	(Icct)	Sep-16	Aug-16	Jul-16	Jun-16	May-1	6 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	Sep-14	Aug-14	Jul-14	Jun-14	May-14	Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	lov-13 (ct-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	11.70	13.05	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	1	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	9.57	12.79	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	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	9.03	9.07	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	##	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		1.83
MW – 8	ND	10.30	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	ND	ND	ND	ND	ND	ND	ND		ND
MW – 12	ND	6.05	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	ND	ND		ND
MW – 13	ND	7.74	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	ND	ND
MW – 14	ND	8.32	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	ND	_	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
MW – 15	10.21	10.38	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	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	ND	10.99	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	_	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	10.15	13.31	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	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	11.35	13.74	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	3.62	4.64	4.90	1.99	- 1	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	12.01	12.02	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	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	ND	ND	ND	ND	ND	ND	ND	ND
MW – 24	ND	9.94	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW - 25	9.76	13.55	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	3.16	4.02	3.65	3.48	- 1	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	9.86	13.14	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	3.84	3.70	4.50	3.02	- 1	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	10.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	T – T	ND	ND	_	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW – 28	ND	10.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u> </u>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW – 29	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	<u> </u>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW - 30	ND	9.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u> </u>	ND	ND	_	_	ND	ND	ND	ND	ND	NI								
MW - 31	_	_	_	_	ND	ND	ND	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	<u> </u>	ND	ND	_	_	ND	ND	ND	ND	ND	NI																	
MW - 32	ND	9.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u> </u>	ND	ND	_	_	ND	ND	ND	ND	ND	NI								
MW - 34	ND	11.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u> </u>	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI								
MW - 35	ND	14.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u> </u>	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI								
MW - 36	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 37	ND	10.66	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 38	_	_	_	_	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 39	ND	9.21	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 40	ND	7.41	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									
MW - 41	ND	9.35	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW – 42	ND	8.66	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
RW – 1	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															
RW – 2	11.76	13.11	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	4.52	4.53	4.52	0.11	- 1	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	14.81	17.31	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	3.50	3.45	3.56	4.12	- 1	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	11.85	15.15	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	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	- 1	3.45	3.35
RW - 5	11.49	11.85	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	0.85	0.43	0.17	0.17	- 1	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	11.87	12.79	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	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 **	_	_	_	_	_	_	T -	_	T -	_	T -	_	_	_	_	_	_	_	_	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	13.06	15.41	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	4.81	4.59	4.92	4.14	- 1	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	12.85	16.21	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	3.93	3.74	3.57	3.18	- 1	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	_	_	_	_		_		_
RW - 11	13.09	15.21	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	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 **	_	_	_	_		T =	Τ-	_		T =	_	_	_	_	_	_	_	_	_	_	_	_	_	_	<u> </u>	_	 	_	_	_	_		_	_	_	_	_	_	_	_		_	_		
12	1	1																																										—-	

Data Recorded using an oil/water interface probe, measurements from the tops of well casings

= :APL 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

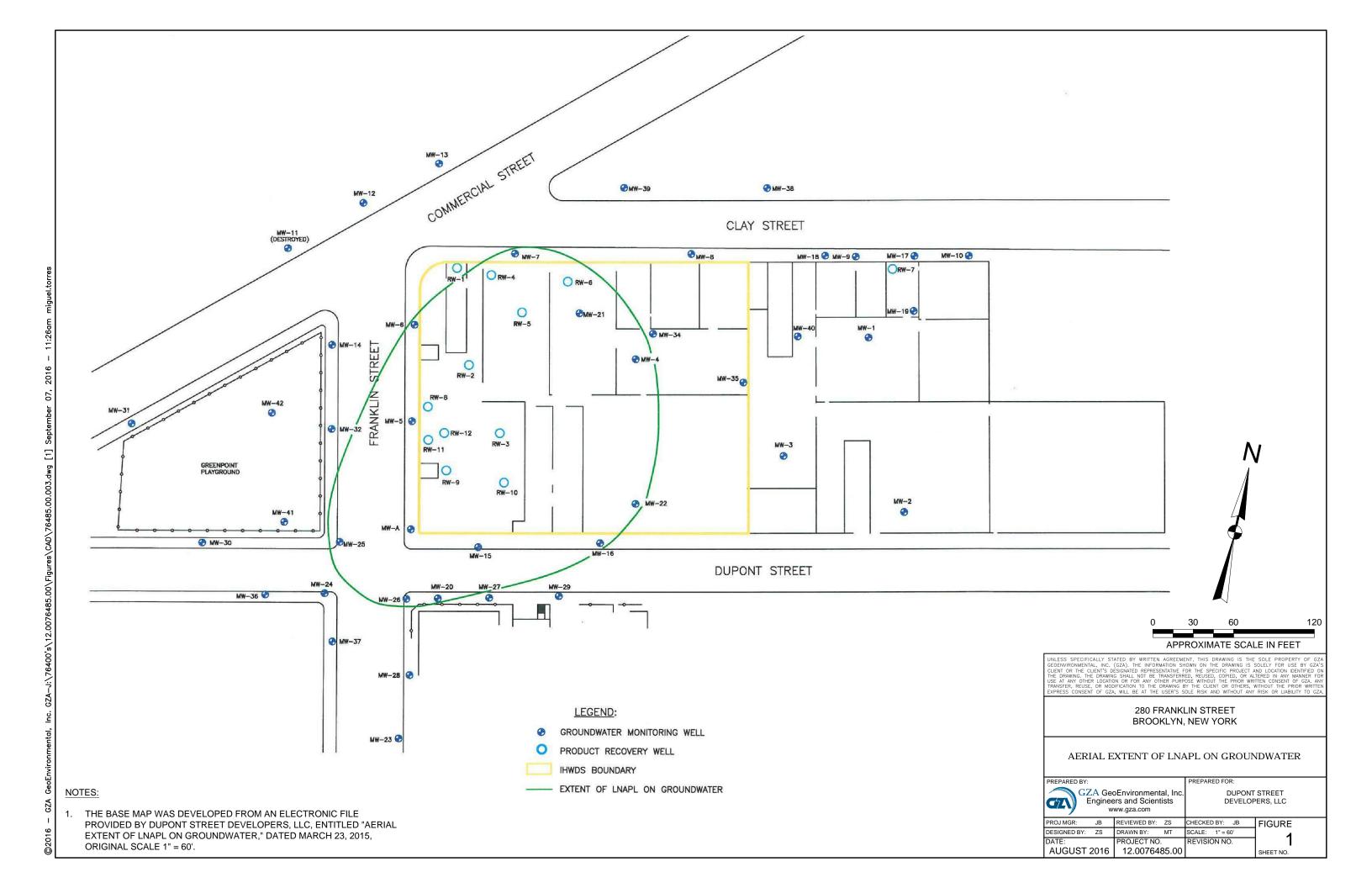
Total of 100 gallons of product removed in September 2016
Wells MW-31 and MW-38 are covered by the new installed sidewalk slabs
Well-34 has uneven casting top

est= Estimated Value

** = Well equipped with automated product recovery system

_= Data not recorded due to access issues

* Wells were gauged on October 4, 2016





EOTECHNICAL

ENVIRONMENTAL

ECOLOGICA

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



November 8, 2016 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

47-40 21 Street Long Island City, New York 11101

Long Island City, New York 1110

Project Status Report

Former NuHart Plastic Manufacturing Site # 224136

280 Franklin Street Brooklyn, New York

Dear Mr. Wong:

Re:

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 September 2016 to October 2016. If you have any questions, please contact us at 973-774-3350.

Sincerely,

GZA GeoEnvironmental

James M. Bellew

Senior Project Manager

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

Principal

Ernest R. Hanna, P.E. Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH) Dupont Street Developers, LLC Joseph Brunner

Jane O'Connell (NYSDEC)

Wendy A. Marsh

Email: dawn.hettrick@health.ny.gov

Email: bojinzhu@gmail.com Email: yb321@yahoo.com



.....

ENVIRONMENTAL

ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in October 2016. 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. The revised Feasibility Study (FS) for the Site is currently under review by NYSDEC. The Site Soil Management has been revised and submitted to NYSDEC on October 28, 2016. 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 November 1, 2016. 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 skimmer holding cells were both filled and it appeared that there was an overflow mechanism to prevent overfilling.

On October 5, 2016, a secondary containment was constructed on the registered site for IBC totes and drums storage. The secondary containment dimension is 15ft by 15ft with 1 ft containment walls. Six-millimeter reinforced polyethylene (poly) sheeting was installed on the base of the containment area and overlapped the containment walls by 24 inches. This poly sheeting was fastened to the interior and a rubber matting was installed over the reinforced poly sheeting base for tote and drum storage.

Monitoring and LNAPL Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; two of the off-Site monitoring wells (MW-31 and MW-38) remain undiscoverable due to new sidewalk slabs installed on August 8, 2016 by others. Other 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. High tide was observed (by NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY) on November 1, 2016 during the well gauging period (7:30 am to 13:30 pm).



The depths to the water table were variable relative to the depths noted in the September 2016 status report, with some wells showing increases and some wells showing decreases. Product 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 100 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 1,846 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 July 21, 2016 during the monitoring event, and included removal of 500 gallons of product for proper disposal offsite. To date, Eastern has transported and disposed an estimated 1,512 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The manifest from this disposal event is pending and will be provided in the monthly progress report after it is received. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Additional monitoring of select offsite wells is being conducted by Langan as of July 27, 2016 continuing into the month of October during dewatering operations for the nearby Greenpoint Landing project. Langan is providing the monitoring data to the NYSDEC as well as to the owner's consultant on a weekly basis during dewatering operations and will provide additional notifications if any unexpected conditions occur. To date, the dewatering has been intermittent, no product has been noted in any of the monitored wells, and no significant changes in the water table configuration have been noted. The Langan project manager noted that there are two dewatering events that are currently being planned. Langan intends to coordinate the efforts of both of these events with the NYSDEC and the Owner's consultant.

Feasibility Study and Site Soil Management Report

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC and NYSDOH for review on January 28, 2016. The NYSDEC transmitted comments regarding the FS to the remedial party on March 3, 2016. The FS was revised to address the NYSDEC's comments and the revised FS was transmitted to the NYSDEC and NYSDOH, on April 21, 2016. Additional NYSDEC comments concerning the FS were received by the remedial party on July 6, 2016. At this time, the Owner retained GZA as the environmental consultant responsible for the resubmission of the FS to address the NYSDEC's comments and include thermal conductive heating (TCH) enhanced recovery as an alternative. The revised FS was resubmitted to the NYSDEC on August 24, 2016 and is currently under review.

Pursuant to a request by the NSYDEC, GZA has prepared the Site Soil Management Plan (SSMP) to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. The draft SSMP was revised and submitted to NYSDEC on October 28, 2016.

Meetings and NYSDEC Communication



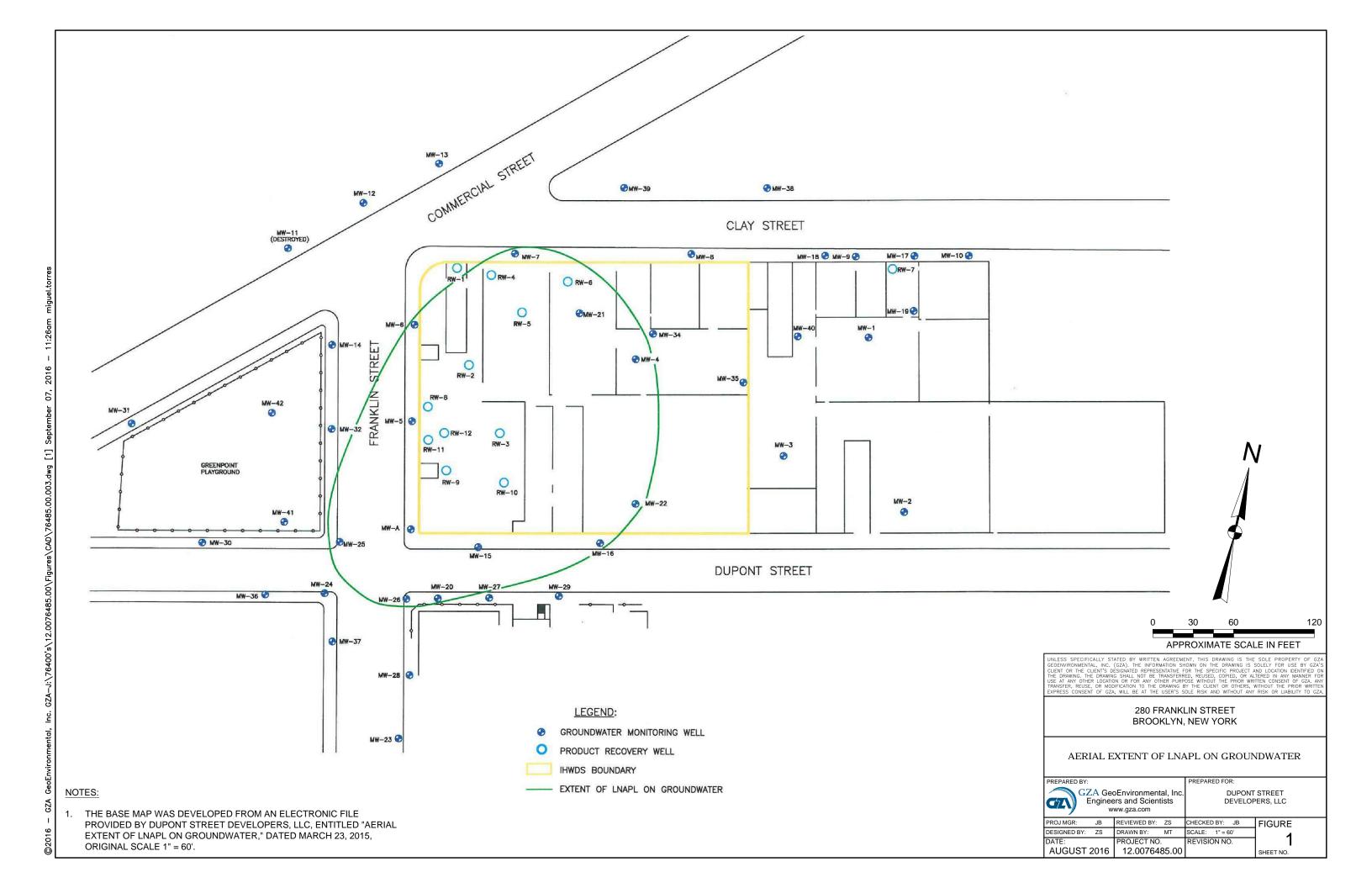


On November 1st, GZA met with the representatives from Con Edison and the NYSDEC to discuss upcoming utility work located on Clay and Commercial Street. The meeting discussed the work proposed and how it may affect site operations. Con Edison will continue to communicate with NYSDEC and GZA regarding the upcoming work plan. In addition, on November 1, 2016, GZA attended the North Brooklyn Development Meeting that transpired at the Greenpoint Polish Slavic Center. During the meeting, GZA provided a Site update and answered questions from the community. Communication pertaining to Site-related technical matters will continue, as needed, between NYSDEC, GZA, the property owner, and others.

Attachments

Attachment A – Apparent Thickness of LNAPL

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



		1																					Apparent T	nickness of	LNAPL (fee	et)																			$\overline{}$
Well Number	*Depth to	*Depth to Water					2016											2015					-ррш сии г					2014									2013					$\overline{}$	26	012	-
I THE PARTY OF THE	Product (feet)	(feet)	Oct-16	Sep-16	Aug-16	Jul-16		6 May-16	Apr-16	Mar-16	Feb-16	Jan-16	Dec-15	Nov-15	Oct-15	Sep-15	Aug-15		Jun-15	May-15	Apr-15	Mar-15	Jan-15	Sep-14	Aug-14	Jul-14	Jun-14		Apr-14	Mar-14	Feb-14	Jan-14	Dec-13	Nov-13 Oct	13 Sep-			3 Apr-1	13 Mar-13	3 Feb-13	Jan-13	3 Dec-12		Oct-12	Sep-12
MW - 4	11.62	12.80	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	-	1.75	1.90	1.24	Trace	-	0.01	Trace	0.23	0.22	0.30	0.66 0.	8 ##	3.4	19 2.22	0.59	0.67	0.44	0.44	0.80	0.31	0.33	3.13
MW - 5	9.82	13.46	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	4.79	5.03	1.97	3.39	-	3.14	2.80	2.98	-	6.46	7.17 5.	1 ##	5.0	3.92	3.00	2.39	4.32	3.00	4.11	3.50	3.41	5.58
MW - 6	-	-	##	##	an .	##	aa	##	##	##	##	##	##	un.	##	##	an	**	2.30	an a	##	un .	an .	##	##	aa	an .	-	-	2.84	3.43	-	2.89	2.76 2.	0 ##	2.4	12 2.82	_	_	-	-	_	_	3.49	2.14
MW - 7	9.13	10.04	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	an .	2.01	2.16	0.60	0.01	-	0.17	0.17	-	-	4.78	4.70 43	0 ##	2.5	7 1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83
MW - 8	ND	10.11	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 N) NE	N	D ND	ND	ND	ND	ND	ND	ND	ND	ND
MW - 12	ND	6.65	ND	ND	ND	ND	ND	ND	ND	-	_	_	ND	ND	_		-	_	ND	ND	ND	ND	_	ND	-	ND	ND	-	ND	ND	-	-	ND	ND N) NE	N	D ND	ND	ND	ND	ND	ND	ND	ND	ND
MW - 13	ND	8.88	ND	ND	ND	ND	ND	ND	ND	ND	_	_	ND	ND	_		-	_	ND	ND	ND	ND	_	ND	-	ND	ND	-	ND	ND	-	-	ND	ND N) NE	N	D ND	ND	ND	ND	ND	ND	ND	ND	ND
MW - 14	ND	8.79	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	-	ND	ND	-	-	ND	ND N) NE	N	D ND	ND	ND	ND	ND	ND	ND	ND	ND
MW - 15	10.55	10.75	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	2.19	2.32	an .	0.45	-	0.61	0.30	0.38	-	3.11	3.19 3.	1 ##	2.1	14 0.70	-	0.32	1.07	_	1.56	0.99	0.76	2.67
MW - 16	11.29	11.38	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	-	0.03	0.99	Trace	-	0.01	0.01	0.10	-	0.23	0.22 0.	9 ##	0.0	0.07	0.02	0.01	0.10	0.25	0.20	ND	0.24	0.20
MW - 20	10.55	13.45	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	1.87	1.71	2.92	2.06	-	1.47	2.90	2.58	4.19	5.07	4.90 4.	1 ##	3.3	1.37	3.32	1.20	1.10	1.35	1.38	3.39	3.15	3.80
MW - 21	11.55	12.80	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	3.62	4.64	4.90	1.99	-	2.69	2.47	2.48	3.37	3.13	3.72 4.	5 ##	4.3	3.66	3.38	3.43	3.75	4.10	4.23	2.89	2.04	4.15
MW - 22	12.27	12.57	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	1.03	1.02	0.54	0.85	-	0.74	0.86	0.75	1.22	1.07	0.69 0.	0 ##	1.1	12 0.86	0.50	0.62	1.15	1.20	0.18	0.21	0.18	1.80
MW - 23	ND	11.23	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 N) NE	N	D ND	ND	ND	ND	ND	ND	ND	ND	ND
MW - 24	ND	10.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	-	-	ND	ND N) NE	N	D ND	ND	ND	ND	ND	ND	ND	ND	ND
MW - 25	10.15	14.35	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	3.16	4.02	3.65	3.48	-	3.91	3.75	-	-	5.66	5.56 43	1 ##	4.4	3.58	3.96	3.96	4.34	3.70	2.82	7.86	4.40	3.96
MW - 26	10.25	14.25	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	3.84	3.70	4.50	3.02	-	2.71	3.48	3.80	4.34	4.44	4.47 4.	2 ##	4.1	18 3.69	2.86	2.33	1.00	2.45	1.62		2.61	4.02
MW - 27	ND	10.65	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	-	ND	ND	-	-	ND	ND N) NE	N	D ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW - 28	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	ND	ND	ND	-	ND	ND	ND	ND	ND	ND N) NE	N	D ND	ND	ND	ND	ND	NI	NI	NI	NI
MW - 29	ND	11.29	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	ND	ND	ND N) NE	N	D ND	ND	ND	ND	ND	NI	NI	NI	NI
MW - 30	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	ND	ND	-	ND	ND	-	-	ND	ND N) NE	N	D 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	ND	-	ND	ND	-	-	ND	ND N) NE	N	D NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 32	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	ND	ND	-	ND	ND	-	-	ND	ND N) NE	N	D NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 34	ND	11.70	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 N) NE	N	D NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 35	ND	14.70	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 N) NE	N	D NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 36	ND	10.64	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 N	NI	N	I NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 37	ND	11.08	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 N	NI	N	I NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 38	-	_	-	ı	ı	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	NI N	NI	N	I NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 39	ND	9.14	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	NI N	NI	N	I NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 40	-	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ı	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI N	NI	N	I NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 41	ND	9.74	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	NI	NI N	NI	N	I NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 42	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	NI	NI N	NI	N	I 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	ı	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND N) NE	N	D ND	-	ND	ND	ND	ND	ND	ND	ND
RW - 2	12.10	13.36	1.26	1.35	1.88	2.05	2.41	3.02	2.12	3.34	2.70	2.83	4.28	ı	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.	5 ##	4.0	07 2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85
RW - 3	15.10	17.50	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	3.50	3.45	3.56	4.12	-	1.58	2.90	2.28	4.60 (est)	3.60	3.33 1.	8 ##	2.5	6 1.44	3.90	3.20	3.34	3.70	3.58	2.84	3.50	3.88
RW - 4	12.10	14.87	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	2.78	2.88	aa	2.86	_	1.81	3.25	3.27	2.45	2.67	2.30 1.	5 ##	2.5	75 1.08	3.06	3.15	3.00	3.05	2.95	_	3.45	3.35
RW - 5	11.60	12.02	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	0.85	0.43	0.17	0.17	_	0.12	0.93	0.43	0.52	0.60	0.79 0.	1 ##	0.0	99 0.51	2.62	_	_	_	2.35	3.00	1.88	-
RW - 6	11.95	12.82	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	0.71	0.64	0.78	0.79	_	0.45	1.28	0.96	0.41	0.94	1.30 0.	7 ##	0.1	0.08	0.45	0.50	0.21	0.40	0.15	0.90	0.22	0.06
RW - 8 **	-	-	-	-	ı	_	-	_	_	_	-	_	-	-	_	-	_	-	-	-	2.14	2.93	2.92	4.01	4.48	aa	2.95	_	0.65	1.47	0.86	2.37	2.46	3.92 4.	3 ##	4.5	9 3.64	_	_	_	_	_	_	_	_
RW - 9	13.34	15.79	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	4.81	4.59	4.92	4.14	_	1.02	2.90	2.71	4.34	5.25	4.88 3)	8 ##	4.0	9 2.37	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33
RW - 10	13.10	16.90	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	3.93	3.74	3.57	3.18	_	3.38	3.89	3.48	3.80	3.81	3.99 4.	1 ##	4.1	11 3.55	_	_	_	_	_	_	_	_
RW - 11	13.39	15.82	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	4.43	4.42	4.46	3.87	_	2.03	2.54	2.59	3.66	4.27	5.48 23	5 ##	3.5	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW-12 **	_	-	-	-	ı	_	_	_			_	_	_	_	_	_	_	_	_	-	_	_	_	-	-	-	-	_	-	_	_	_	-					_	_	_	_	_		-	_

Dala Recorded using an oil/water interface probe, measurements from the tops of well casings

= ATL observed, apparent thickness not determinded

ND = Not Installad

ND = Not Detected

ND = Not Detect

est= Estimated Value

** = Well equipped with automated product recovery system

_= Data not recorded due to access issues

* Wells were gauged on November 1st, 2016



ECOLOGICAL

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street T: 212.594.8140 F: 212.279.8180 www.gza.com



December 8, 2016 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

Project Status Report Re:

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 October 2016 to November 2016. If you have any questions, please contact us at 973-774-3350.

Sincerely,

GZA GeoEnvironmental

James M. Bellew

Senior Project Manager

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

Principal

Ernest R. Hanna, P.E. Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH) Dupont Street Developers, LLC

Joseph Brunner

Jane O'Connell (NYSDEC)

Wendy A. Marsh

Email: dawn.hettrick@health.ny.gov

Email: bojinzhu@gmail.com Email: yb321@yahoo.com



GEOTECHNICAL

ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in November 2016. 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. The revised Feasibility Study (FS) for the Site is currently under review by NYSDEC. 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 November 29, 2016. 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 skimmer holding cells were both filled and it appeared that there was an overflow mechanism to prevent overfilling. On November 29, 2016, a secondary containment was constructed on the registered site for wells RW-8.

Monitoring and LNAPL Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted; two of the off-Site monitoring wells (MW-31 and MW-38) remain undiscoverable due to new sidewalk slabs installed on August 8, 2016 by others. These wells are scheduled for replacement. Other 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. High tide was observed (by NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY) on November 29, 2016 during the well gauging period (7:00 am to 13:00 pm).

The depths to the water table were variable relative to the depths noted in the October 2016 status report, with some wells showing increases and some wells showing decreases. Product 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.



Dcecember 8, 2016 File No. 12.0076485.00 Former NuHart Plastic Manufacturing Site Page | 3

The skimmer holding cells were emptied during this event. The amount of LNAPL removed from the wells was estimated at 80 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 1,926 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 July 21, 2016 during the monitoring event, and included removal of 500 gallons of product for proper disposal offsite. To date, Eastern has transported and disposed an estimated 1,512 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The manifest from this disposal event is pending and will be provided in the monthly progress report after it is received. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Additional monitoring of select offsite wells is being conducted by Langan as of July 27, 2016 continuing into the month of October during dewatering operations for the nearby Greenpoint Landing project. Langan is providing the monitoring data to the NYSDEC as well as to the owner's consultant on a weekly basis during dewatering operations and will provide additional notifications if any unexpected conditions occur. To date, the dewatering has been intermittent, no product has been noted in any of the monitored wells, and no significant changes in the water table configuration have been noted. The Langan project manager noted that there are two dewatering events that are currently being planned. Langan intends to coordinate the efforts of both of these events with the NYSDEC and the Owner's consultant.

Feasibility Study and Site Soil Management Report

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC and NYSDOH for review on January 28, 2016. The NYSDEC transmitted comments regarding the FS to the remedial party on March 3, 2016. The FS was revised to address the NYSDEC's comments and the revised FS was transmitted to the NYSDEC and NYSDOH, on April 21, 2016. Additional NYSDEC comments concerning the FS were received by the remedial party on July 6, 2016. At this time, the Owner retained GZA as the environmental consultant responsible for the resubmission of the FS to address the NYSDEC's comments and include thermal conductive heating (TCH) enhanced recovery as an alternative. The revised FS was resubmitted to the NYSDEC on August 24, 2016 and is currently under review.

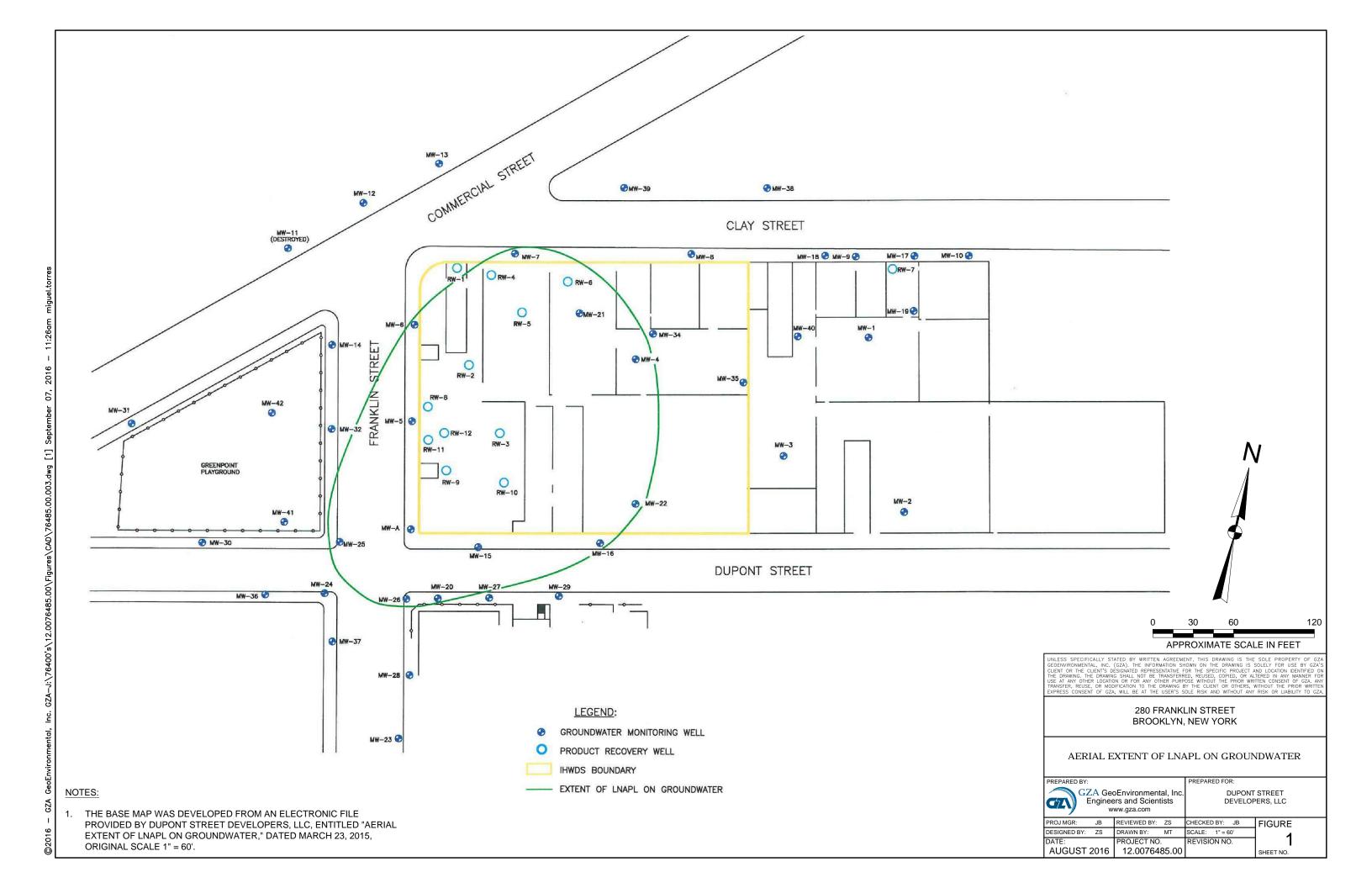
Pursuant to a request by the NSYDEC, GZA has prepared the Site Soil Management Plan (SSMP) to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. The draft SSMP was revised and submitted to NYSDEC on October 28, 2016.

Attachments

Attachment A - Apparent Thickness of LNAPL

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

{H2889265.1}



		***																						Apparent	Thickness	of LNAPL	(feet)																				
	ell Number	*Depth to Product (feet)	(faat)																							201	13						2012	2													
West		1 Todaet (Teet)	(reet)	Nov-16	Oct-16	Sep-16	Aug-16	Jul-16	Jun-16	May-16	Apr-16 M	lar-16	Feb-16 J	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 N	May-14	Apr-14 Mai	-14 Feb-1	4 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	11.70	12.70	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	-	1.75	1.90	1.24	Trace	_	0.01 Tra	nce 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
Section Control Cont	MW – 5	10.02	14.45	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	4.79	5.03	1.97	3.39	-	3.14 2.8	30 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
West	MW – 6	_	_	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	_	- 2.8	3.43	_	2.89	2.76	2.00	##	2.42	2.82	_	_	_	_		_	3.49	2.14
	MW – 7	9.35	11.08	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	##	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
Sect	MW – 8	ND	10.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	_	ND N	D —	_	ND	ND	ND	ND																	
Fig. 1	MW – 12	ND	6.25	ND	_	-	_	ND	ND	_	-	_	_	ND	ND	ND	ND	_	ND	-	ND	ND	_	ND N	D —	_	ND	ND	ND	ND																	
Fig.	MW – 13	ND	8.14	ND	ND	_	_	ND	ND	_	_	_	_	ND	ND	ND	ND	_	ND	_	ND	ND	_	ND N	D —	_	ND	ND	ND	ND																	
Fine	MW – 14	ND	8.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND N	D —	_	ND	ND	ND	ND																	
We We We We We We We We	MW – 15	10.85	11.65	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	2.19	2.32	##	0.45	-	0.61 0.3	0.38	_	3.11	3.19	3.34	##	2.14	0.70	-	0.32	1.07	-	1.56	0.99	0.76	2.67
May 1.50	MW – 16	_	_	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	-	0.03	0.99	Trace	_	0.01 0.0	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	10.72	14.00	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	1.87	1.71	2.92	2.06	_	1.47 2.5	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	11.60	14.92	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	3.62	4.64	4.90	1.99	_	2.69 2.4	17 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	12.50	12.88	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	1.03	1.02	0.54	0.85	_	0.74 0.3	36 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	11.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND							
99- 27	MW – 24	ND	10.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND N	D —	_	ND	ND	ND	ND																	
Section Sect	MW – 25	10.35	13.95	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	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
No. MW – 26	10.44	14.00	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	3.84	3.70	4.50	3.02	-	2.71 3.4	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	
May MW – 27	ND	10.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND N	D —	_	ND	0.99	ND	ND																		
MW-11	MW – 28	ND	11.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI							
MW-21	MW – 29	ND	11.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI							
MW-14 ND	MW – 30	ND	9.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND N	D —	_	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI							
MW-34	MW – 31	_	_	_	_	_	_	ND	ND	ND	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	_	ND N	D —	_	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI							
MW - 35	MW – 32	ND	10.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND N	D —	_	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI							
MW-36	MW – 34	ND	11.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND N	D ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI							
MW-37	MW – 35	ND	14.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND N	D ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI							
MW - 38	MW – 36	ND	10.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI N	II NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI							
MW - 40 MW -	MW – 37	ND	11.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI N	II NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI							
MW-40 MW-41 ND	MW – 38	_	_	_	_	_	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND	NI	NI	NI	NI	NI N	II NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
	MW – 39	ND	9.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI N	II NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI							
MW-42 ND 9.0 ND	MW – 40	_	7.52	ND	ND	ND	ND	ND	-	ND	ND	ND	NI	NI	NI	NI	NI N	II NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI														
RW-1 ND 901 ND	MW – 41	ND	9.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI N	II NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	MW – 42	ND	9.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI N	II NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI							
RW-3 BW-4 BW-4 BW-4 BW-4 BW-4 BW-4 BW-4 BW-4	RW - 1	ND	9.01	ND	ND	ND	ND	ND	_	ND	ND	ND	ND	ND	ND	_	ND N	D ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND														
RW-4 120 15.00 2.80 2.77 3.30 2.80 2.73 3.00 2.73 2.65 2.32 2.02 2.02 2.02 2.03 2.03 2.05 3.65 3.66 3.53 3.65 3.65 3.65 3.65 3.6	RW – 2	12.20	13.38	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	4.52	4.53	4.52	0.11	-	1.30 3.0	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-5 11.35 14.40 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 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 1.85 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91	RW – 3	13.20	17.15	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	3.50	3.45	3.56	4.12	-	1.58 2.9	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-6 12.32 13.00 0.68 0.87 0.92 1.46 1.29 0.81 0.67 0.73 0.74 0.76 0.73 0.74 0.76 0.75 0.65 0.66 0.65 0.61 0.78 1.96 1.96 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75	RW – 4	12.20	15.00	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	2.78	2.88	##	2.86	-	1.81 3.3	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-8**	RW - 5	11.35	14.40	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	0.85	0.43	0.17	0.17	_	0.12 0.9	93 0.43	0.52	0.60	0.79	0.54	##	0.69	0.51	2.62	_	_	_	2.35	3.00	1.88	
RW-8**	RW - 6	12.32	13.00	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	0.71	0.64	0.78	0.79	_	0.45 1.3	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-10 13.87 17.32 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 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		_					_	_	_	T -	_	_	_	_	_ 1	_	_	_	_	_	_	_	2.14	2.93	2.92		4.48	##		_			2.37	2.46	3.92	4.13	##	4.59	3.64	_	_	_	_	$\overline{}$	$\overline{}$		_
	RW – 9	13.60	17.17	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	4.81	4.59	4.92	4.14	_	1.02 2.9	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	13.87	17.32	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	3.93	3.74	3.57	3.18	_	3.38 3.5	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	_	_	_	_	$\overline{}$	$\overline{}$		
									3.43			3.05			4.65			3.24	3.62		3.66			3.87	3.97		4.42	4.46		_				4.27	5.48		##		3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW-12 **			1			_	_	_	T -				_		_	_	_	_	_	_		_	_	_			_	_		_			_	_		_	_	_		_	_	_	_		$\overline{}$		_

Data Recorded using an oil/water interface probe, measurements from the tops of well casings

= :APL observed, apparent thickness not determinded
NI = Not Installed

ND = Not Detected

 $Wells\ MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and\ RW-7\ are\ associated\ with\ NYSDEC\ Spill\ 06-01852\ and\ are\ under\ a\ separate\ investigation$

Total of 80 gallons of product removed in November 2016

Wells MW-31 and MW-38 are covered by the new installed sidewalk slabs Well-34 has uneven casting top

est= Estimated Value

** = Well equipped with automated product recovery system
_= Data not recorded due to access issues

* Wells were gauged on November 29th, 2016



SEOTECHNICAL

ENVIRONMENTAL

ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



January 12, 2016 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 November 2016 to December 2016. If you have any questions, please contact us at 973-774-3350.

Sincerely,

GZA GeoEnvironmental

James M. Bellew

Senior Project Manager

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

Principal

Ernest R. Hanna, P.E. Consultant Reviewer

Cc:

Dawn Hettrick (NYSDOH)
Dupont Street Developers, LLC
Joseph Brunner

Jane O'Connell (NYSDEC)

Wendy A. Marsh

Email: dawn.hettrick@health.ny.gov

Email: bojinzhu@gmail.com Email: yb321@yahoo.com



GEOTECHNICAL

ENVIRONMENTAL

ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of NY 104 West 29th Street 10th Floor New York, NY 10001 T: 212.594.8140 F: 212.279.8180 www.gza.com



This status report summarizes activities conducted at the Former NuHart Plastic Manufacturing Site (Site) in December 2016. 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. GZA is currently addressing the comments from NYSDEC pertaining to the Feasibility Study (FS) for the Site. 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 3, 2016. 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 skimmer holding cells were both filled and it appeared that there was an overflow mechanism to prevent overfilling.

Monitoring and LNAPL Removal

Gauging of onsite and offsite monitoring and recovery wells associated with the Site was conducted; two of the off-Site monitoring wells (MW-31 and MW-38) remain undiscoverable due to new sidewalk slabs installed on August 8, 2016 by others. These wells are scheduled for replacement prior to the next gauging event pending NYCDOT permits. Other 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. High tide was observed (by NOAA/NOS/CO-OPS Station ID (8517673) Hunters Point, Newtown Creek, NY) on January 3, 2016 during the well gauging period (7:30 am to 14:30 pm).

The depths to the water table were variable relative to the depths noted in the November 2016 status report, with some wells showing increases and some wells showing decreases. Product 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 95 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 2,006 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 July 21, 2016 during the monitoring event, and included removal of 500 gallons of product for proper disposal offsite. To date, Eastern has transported and disposed an estimated 1,512 gallons of product at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. The manifest from the July 2016 event is provided in **Attachment B**. Waste transport and disposal information will continue to be included in the progress reports following the months during which waste disposal activities occur.

Additional monitoring of select offsite wells is being conducted by Langan as of July 27, 2016 continuing into the month of November during dewatering operations for the nearby Greenpoint Landing project. Langan is providing the monitoring data to the NYSDEC as well as to the owner's consultant on a weekly basis during dewatering operations and will provide additional notifications if any unexpected conditions occur. To date, the dewatering has been intermittent, no product has been noted in any of the monitored wells, and no significant changes in the water table configuration have been noted. The Langan project manager noted that there are two dewatering events that are currently being planned. Langan intends to coordinate the efforts of both of these events with the NYSDEC and the Owner's consultant.

Feasibility Study and Site Soil Management Report

FPM prepared an FS for the Site that includes evaluations of potential remedial methods to address Site-related contamination. The FS was transmitted to the NYSDEC and NYSDOH for review on January 28, 2016. The NYSDEC transmitted comments regarding the FS to the remedial party on March 3, 2016. The FS was revised to address the NYSDEC's comments and the revised FS was transmitted to the NYSDEC and NYSDOH, on April 21, 2016. Additional NYSDEC comments concerning the FS were received by the remedial party on July 6, 2016. At that time, the Owner retained GZA as the environmental consultant responsible for the resubmission of the FS to address the NYSDEC's comments and include thermal conductive heating (TCH) enhanced recovery as an alternative. The revised FS was resubmitted to the NYSDEC on August 24, 2016 and comments regarding TCH were received on December 5, 2016. GZA is currently addressing these comments.

Pursuant to a request by the NSYDEC, GZA has prepared the Site Soil Management Plan (SSMP) to provide guidance for utility contractors regarding management for soils and groundwater potentially impacted by the Site. The draft SSMP was revised and submitted to NYSDEC on October 28, 2016. On January 4, 2017, GZA had a teleconference with the NSYDEC regarding a future bioswale project that is planned in the off-Site areas of Clay Street and Dupont Street which is in the vicinity of the TCE and Phthalate plume. Based on the information provided by the NYSDEC, GZA provided potential impacts that the proposed work could have on both plumes.



Attachments

Attachment A – Apparent Thickness of LNAPL

Attachment B – Hazardous Waste Disposal Manifest

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

																									Apparent T	Thickness o	f LNAPL (fe	eet)																			
Well Number	r I	-	*Depth to						2016												2015									20	14								201	13						2012	
	Produc	ct (feet) W	Vater (feet)	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	Sep-14	Aug-14	Jul-14	Jun-14 Ma	y-14 Apr-1	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 Oc	et-12 Sep-12
MW – 4	11.	1.50	12.80	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	_	1.75	1.90	1.24	Trace -	- 0.01	Trac	e 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.	3.13
MW - 5	9.7	.75	13.30	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	4.79	5.03	1.97	3.39 -	- 3.14	2.80	0 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.	5.41 5.58
MW - 6	_	_	-	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	## -	- -	2.8	4 3.43	_	2.89	2.76	2.00	##	2.42	2.82	_	_	_	_		_ 3	.49 2.14
MW - 7	9.1	.16	9.94	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	##	2.01	2.16	0.60	0.01	- 0.17	0.1	7 —	_	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	NI	ND	10.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	ND	ND	ND	ND -	- ND	NE) –	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND
MW – 12	NI	ND	6.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	_	_	ND	ND	1	_	_	_	ND	ND	ND	ND	_	ND	_	ND	ND -	- ND	NE) —	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND
MW – 13	NI	ND	7.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	_	_	ND	ND	-	_	_	_	ND	ND	ND	ND	_	ND	_	ND	ND -	– ND	NE) —	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND
MW – 14	NI	ND	8.45	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	NE) —	_	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND
MW – 15	10.	0.50	10.70	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	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.	2.67
MW – 16	11	1.2	11.25	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	_	0.03	0.99	Trace -	- 0.01	0.0	1 0.10	_	0.23	0.22	0.19	##	0.05	0.07	0.02	0.01	0.10	0.25	0.20	ND 0.	0.24 0.20
MW - 20	10.	0.47	13.35	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	1.87	1.71	2.92	2.06	- 1.47		0 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.	3.80
MW - 21	11.	1.03	14.30	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	3.62	4.64	4.90	1.99 -	- 2.69	2.4	7 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	_	2.10	12.61	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	1.03	1.02	0.54	0.85 -	- 0.74		0.75		1.07	0.69	0.50	##	1.12	0.86	0.50	0.62	1.15	1.20	0.18		1.80
MW – 23	_	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	ND -	– ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND ND
MW – 24		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	ND	ND	ND -	– ND	_) –		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND ND
MW – 25		0.02	13.64	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	3.16	4.02	3.65	3.48 -	3.91		,	_	5.66	5.56	4.01	##	4.41	3.58	3.96	3.96	4.34	3.70	2.82		.40 3.96
MW – 26	_	0.19	13.39	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	3.84	3.70	4.50	3.02 -	2.71			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	10.57	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	ND	ND	ND	ND		ND ND
MW – 28		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	ND	ND	ND	ND	NI	111	NI NI
MW – 29		ND	11.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND -	- ND	_		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI		NI NI
MW - 30		ND	9.71	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	ND	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		- ND	_	_		ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI		NI NI
MW – 32		ND	9.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
MW – 34	_	ND	11.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND -	- ND	_			ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI		NI NI
MW – 35		ND	14.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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
MW – 36		ND	10.58	ND	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		II NI	_		NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	111	NI NI
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	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND NI	NI	NI N	II 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		NI					NI	NI	NI	NI NI	NI NI	NI NI	NI NI	NI NI	NI	NI	NI NI	NI		
MW – 39	N	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	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 NI	NI NI	NI NI		NI NI
MW – 40			7.19	ND	ND	ND		ND				ND					_	ND	ND		ND			ND		ND	1.12															.,,		141			NI NI
MW – 41		ND	9.66	ND	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 N				NI	NI	NI	NI	NI	NI	NI	NI NI	NI NI	NI	NI	NI NI		NI NI NI NI
MW – 42	_	ND	8.91	ND	ND	ND	ND	ND	112	ND	ND ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI		NI	NI N				NI	NI	NI	NI	NI	NI	NI	NI		NI	NI			
RW – 1		ND	8.69	ND 1.65	ND 1.18	ND 1.26	ND	ND 1.88	ND	ND 2.41	ND 3.02	ND	ND	ND 2.70	ND 2.83	ND	_	ND	ND 2.97	ND	ND 5.54	ND 5.28	ND 5.44	ND 2.82	ND	ND 4.52	ND	ND 4.53	ND 4.52	ND -	- ND - 1.30	_		ND	ND	ND 5.09	ND	ND	ND 4.07	ND 2.96	-	ND 3.48	ND	ND	ND		ND ND .50 5.85
RW – 2	12.		13.65				1.35		2.05			2.12	3.34			4.28	_	2.64		3.41					4.19		4.52								3.19		3.86	##			2.92		3.75	4.20	2.52		
RW – 3		5.00	16.91	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	3.50	3.45	3.56	4.12 -	1.58		0 2.20		3.60	3.33	1.68	##	2.96	1.44	3.90	3.20	3.34	3.70	3.58		3.88
RW – 4	11.		15.15	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	2.78	2.88	""	2.86 -	- 1.81				2.67	2.30	1.46	##	2.75	1.08	3.06	3.15	3.00	3.05	2.95		3.35
RW - 5	10.		12.05	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	3.79	4.87	4.69	4.75	0.70	0.85	0.91	0.85	0.43	0.17	0.17 -	0.12	_			0.60	0.79	0.54	##	0.69	0.51	2.62	- 0.50	- 0.21	- 0.40	2.35		.88 –
RW - 6	+	2.00	12.85	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	0.71	0.64	0.78	0.79 -	0.45		8 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 0.3	0.06
RW - 8 **	- 12		-	- 2.00	2.57		- 2.25	2.10	2.15	2.10	- 2.75	2.00	- 2.01	- 2.42	-	-	4.27	2.52	2.60	-	-	4.02	4.70	2.14	2.93	2.92	4.01	4.48	##	2.95	0.65			2.37	2.46	3.92	4.13	##	4.59	3.64	- 4.40	-	-	2.50			
RW - 9		3.26	16.35	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	4.81	4.59	4.92	4.14 -	1.02		2.71		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		3.02	16.88	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	3.93	3.74	3.57	3.18 -	3.38				3.81	3.99	4.11	##	4.11	3.55	2.15	-	_	2.50			
RW – 11	13.		15.20	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	4.43	4.42	4.46	3.87 -	- 2.03	3 2.54	4 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 **	_	_	_	_	_	_					_	_		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_ [- -				_	_	_	_			_	_		_			

Data Recorded using an oil/water interface probe, measurements from the tops of well casings

= :APL observed, apparent thickness not determinded
NI = Not Installed

ND = Not Detected

 $Wells\ MW-1, MW-2, MW-9, MW-10, MW-17, MW-18, MW-19, and\ RW-7\ are\ associated\ with\ NYSDEC\ Spill\ 06-01852\ and\ are\ under\ a\ separate\ investigation$

Total of 80 gallons of product removed in December 2016

Wells MW-31 and MW-38 are covered by the new installed sidewalk slabs Well-34 has uneven casting top

est= Estimated Value

** = Well equipped with automated product recovery system
_= Data not recorded due to access issues

* Wells were gauged on January 3rd, 2016

Ple	ase pr	int of type. (For	rm designed	l for use on eli	ite (12-pitch) typ	ewriter.)				· •	45.	Forr	n Approved.	OMB No. 2	2050-0039
1	.,1/	FORM LAZAR ASTE MANIFE	:S⊺ ∤'	AINME	mber 46835) H		631	rgency Respons	2700	4. Manifest	Tracking N	1132 mber 32	6 F	LE
	5. G	enerator's Name a	STRE	et dev	Elope 25	il(Dr. Company	87466	an mailing addres 7	s) 0[[2]			
	Gene	erator's Phone: ensporter 1 Comp	RUEN TIR-1	5 BLV 1), (-1 ~- ≥ 7 >88	loup, El					W 376			23	
					5 V7/C	and the first state of	<i>公明</i> 其第二十二章子	Va. o	er en		U.S. EPAIDA	lumber		COL	
		insporter 2 Comp			A	10			and a segar of the second		U.S. EPA ID N		<u> </u>	<i>i</i>	
		signated Facility	5. F. E	M "	y Oslawy S		la const			*	U.S. EPA ID N	lumber			
	Facili	ty's Phone	47H F	11.57	5726E7	100 100	387H	$\sqrt{3}$ $^{\circ}$	7206) 기독 기원()	INT	> (00))Q00	046	
	9a. HM		Description (in	ncluding Proper	Shipping Name, H		Number,		10. Conta	iners.	11. Total Quantity	12. Unit		Waste Code:	
) 		1.					The sex		16-0 gr., 04/4 16-0 gr., 04/6		Mariana Mariana Carana Mariana	A	0048	ulon	
GENERATOR		NA 30	82 HA	ZACTON	S WASTE	divail	, N.O.S.	9781	001	17	500	<u></u> 6	i Ir	ā.	
35									,			4			······································
		3.		,	· · · ·							`			
		4.		· .					f a						
							e de la companya de l							11 / / / /	
	14. S	pecial Handling Ir	structions and	d Additional Info	rmation	tree Section and				Marie I		3888		1	
					#975	3.13.	• '				. '		•		
		<u> </u>	3 4 7 1 1 2 2 2 2 3	-02				4.	right of the region		1. 4. 1	Ng sa sa W			
		marked and label Exporter, I certify	ed/placarded, that the conte	and are in all re	N: I hereby declar ispects in proper o gnment conform to	ondition for trans the terms of the	port according to attached EPAA	applicable inte knowledgment	mational and nat of Consent.	ional governme	ental regulations.				
		certify that the w ator's/Offeror's P		(dentified in 40 CF		- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	iy generator) or Signature	(b) (if I am a sma	all quantity gen	erator) is true.		Mon	th Day	Year
<u>↓</u>		ernational Shipm		Import to	brobertt.	ed Gran		from U.S.	Port of en	Eliza	- James San			7 21	76
R INT'L		porter signature (, , , , , , , , , , , , , , , , , , , 	ıly):		· · ·	, C. J. Export	ijulij 0.3.	Date leav		ja:				
JRTEI		ansporter Acknow corter 1 Printed/T		eceipt of wateria	ais S	3		Signature	Carried Street, Street	Secretary and the secretary an	Market Ma		Mon		Year
TR ANSPORTER	Trans	oorter 2 Printed/T	yped Name	· la	**************************************		n:	Signature	- Andrew Control	Mary the second across	*Spaly by Commis		Mon		Year
R	18 Di	screpancy	<u> </u>		. San a saya a sa		·					······································			
		Discrepancy Indica	ation Space	Quanti	ty	Ту	уре		Residue		Partial Reje	ction		Full Reje	ction
								M	anifest Reference	Number:				,	
CILITY	18b. A	Iternate Facility (or Generator)		·	•					U.S. EPA ID N	umber			
ED FA		y's Phone: ignature of Altern	ate Facility (or	r Generator)	··· .				***	··-	1		Mor	nth Day	Year
DESIGNATED FACILITY	19 H=	zardous Waste R	Report Manage	ement Method C	odes (i.e., codes	for hazardous wa	aste treatment di	sposal, and rec	voling systems)				.]		
DES	1.	1110			2.		a sumony un	3.	,g ojotomoj	·. ·	4.	.,2	•		
			Owner or Ope	rator: Certificati	ол of receipt of ha	zardous material	s covered by the		t as noted in Iter	n 18a					
	Printe	d/Typed Name		4173			e i e e e e e e e e e e e e e e e e e e	Signature.	The				Mon	th Day	Year

