



Ecosystems Strategies, Inc.

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PROJECT STATUS MEMORANDUM

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FROM: Paul Ciminello, President

DATE: February 5, 2015

SITE: Former Nuhart Plastic Manufacturing Site, NYSDEC Site ID: 224136
ESI File: SB09110.50

RE: Investigative and Product Recovery Activities – January 2015

This memorandum provides a summary of investigative and interim remedial activities conducted by Ecosystems Strategies, Inc. (ESI) at the Former Nuhart Plastic Manufacturing Site (hereafter referred to as the "Site") during January 2014. The Site is located at 280 Franklin Street, Brooklyn, New York.

Interim remedial activities at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the Product Recovery System (PRS), dated March 2012 and revised August 2012, prepared by ESI, except as noted below. In addition, investigative activities at the Site have been performed in general conformance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated November 2011, prepared by ESI.

A. Investigative Activities

Note: A map indicating the monitoring wells discussed below is provided as Attachment B.

DELINEATION OF TCE CONTAMINATION AT NORTHEASTERN PORTION OF SITE

ESI extended soil borings, installed monitoring wells, and collected soil and soil vapor samples at on-site and off-site locations in September 2014, following a NYSDEC-approved Workplan, to further document the extent of known TCE contamination in soil and groundwater. Fieldwork included installation of three new off-site wells: MW-38 and MW-39 across Clay Street, and MW-40 within the building east of the IHWDS. Based on review of the analytical results from soil, soil vapor and groundwater sampling, NYSDEC requested (December 12, 2014) that a Workplan be prepared to conduct additional soil vapor and air-quality testing at off-site locations; no action has been completed to date in response to this request.

DELINEATION OF OFF-SITE CONTAMINATION TO THE SOUTHWEST OF THE SITE

ESI installed monitoring wells and collected soil and water samples at off-site western locations in June and December 2014, following a NYSDEC-approved Workplan, to further document the extent of known

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LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks at the southwestern corner of Dupont Street and Franklin Street and MW-41 and MW-42 are located within the bounds of the adjoining Greenpoint Playground property. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples; there is, however, limited dissolved phthalate contamination at MW-37 (15 ug/L, guidance level 5 ug/L), with trace impacts (less than 2 ug/L) at the other wells.

ADDITIONAL LNAPL INVESTIGATION

Additional environmental investigation to document the characteristics of LNAPL present in soil and groundwater (well drawdown and viscosity testing) is being conducted by FPM Group. The findings of this investigation have not been reported to ESI as of the date of this memorandum.

SUBMISSION OF DRAFT REMEDIAL INVESTIGATION REPORTS

A Draft Remedial Investigation Report (Draft RIR) was submitted to NYSDEC in May 2014. All data from subsequent Site investigations (beginning in June 2014 with the installation of MW-36 and MW-37) will be incorporated into a Final RIR, pending completion of all remaining proposed fieldwork activities.

B. Interim Remedial Activities – January 2015

ESI was on-site on January 30, 2015 in order to perform monthly IRM maintenance.

MAINTENANCE ACTIVITIES

ESI personnel inspected the Site and performed general maintenance activities, including:

- Proper disposal of any debris in the vicinity of all recovery wells
- Placing absorbent material at the base and around each recovery well
- Proper labeling of all hazardous waste containers

MONITORING AND PRODUCT REMOVAL

ESI conducted monthly gauging of all on-site and off-site monitoring (2") and recovery (4") wells. Off-site monitoring wells MW-12 and MW-13, on the western side of Commercial Street (immediately adjoining an active construction site), and MW-8 and MW-39, on Clay Street, were not located due to heavy snow and ice cover (these wells have no history of LNAPL contamination). Interior monitoring well MW-4 was not gauged due to an interior obstruction (the well will be cleared in February). All gauged wells previously noted to contain LNAPL were observed to contain measurable product. No additional wells were observed to contain detectable LNAPL, including newly installed monitoring wells MW-38 and MW-40 to MW-42. A table documenting available product thickness measurements in monitoring and recovery wells is provided as Attachment A and a Well Location Map is provided as Attachment B.

ESI personnel removed approximately 45 gallons of LNAPL from the 55-gallon drum associated with recovery well RW-12, currently operating a PetroXtractor Well Oil Skimmer (Model PX-B). Product was not removed from other wells during this monthly event, based on poor weather conditions (LNAPL will be manually removed from impacted wells in mid-February). All recovered product was stored in IBC tanks located within the on-site building, pending pickup and off-site disposal. Absorbent materials at recovery and monitoring wells were properly discarded and replaced.

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C. Product Recovery System (PRS) Assessment and Recommendations

The current Interim Remedial Measure (IRM) consists of an automated recovery unit (PetroXtractor Well Oil Skimmer) at RW-12. The current IRM is not adequate to address the contamination present on-site. Short-term (IRM) and final remedial approaches to intercepting, removing and/or treating LNAPL floating on the groundwater will be evaluated by FPM Group to develop the Feasibility Study (FS).

D. Meetings and NYSDEC Communication

No meetings were held with NYSDEC and ESI in January 2015. Communication on technical matters will continue, as needed, between NYSDEC and ESI/FPM Group.

E. Anticipated Work and Schedule

Implementation of the existing IRM and completion of Project Status Memoranda will continue on a monthly basis. The schedule for completing the proposed additional soil vapor/indoor air testing, investigation of LNAPL characteristics, and submission of a draft FS has not been established.

Please contact me at 845-452-1658 should you have any questions or comments.

Attachment A – Table: Apparent Thickness of LNAPL Layer in Site Wells

Attachment B – Well Location Map

Attachment A Table: Apparent Thickness of LNAPL Layer in Site Wells



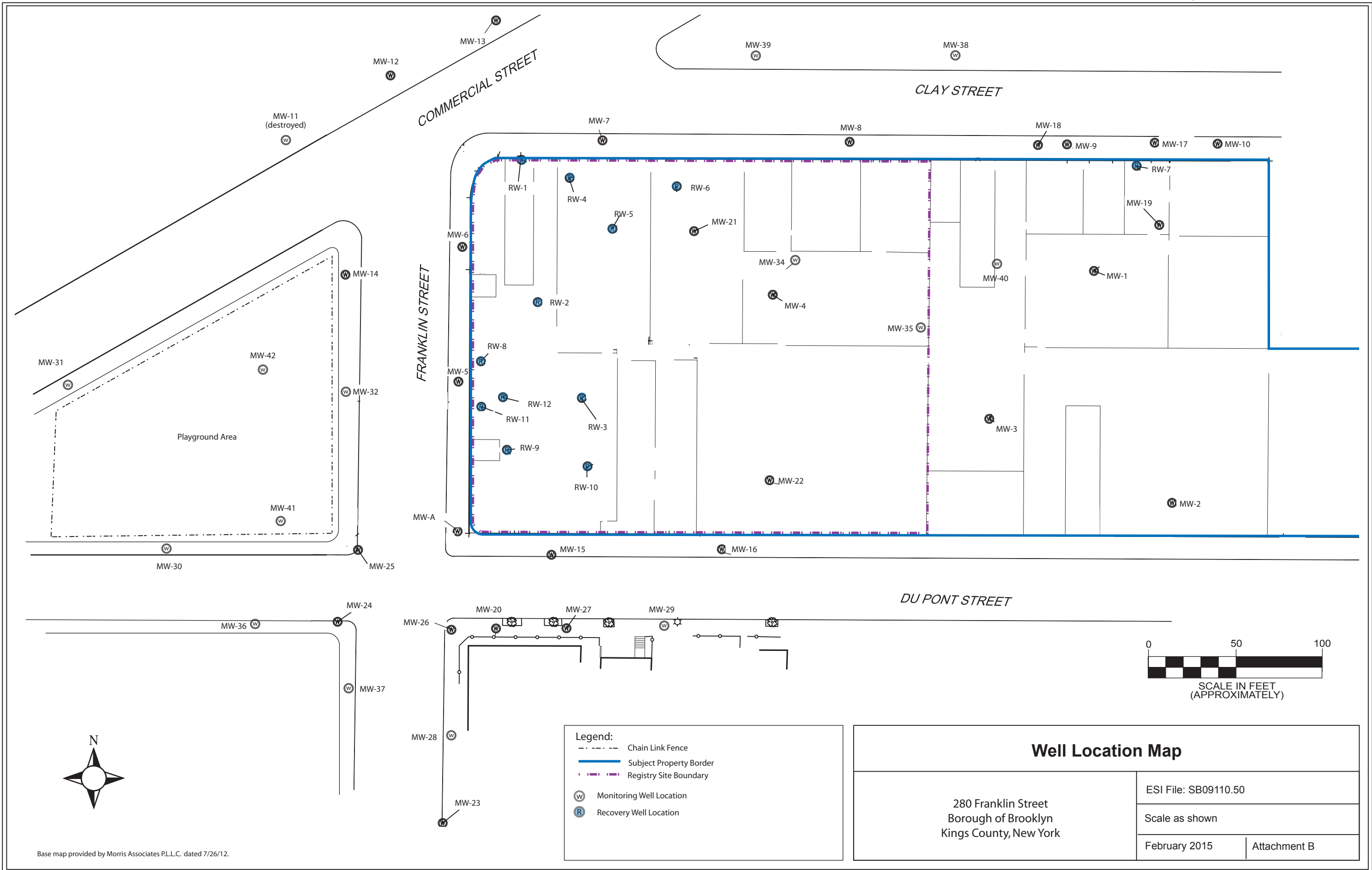
Data recorded using a Geotech Oil/Water Interface Probe, unit of measure = foot. All depth measurements from top of PVC well casing.

Well Location	Depth to Product	Depth to Water	Thickness of LNAPL Layer																								
			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	—	—	—	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	10.02	14.42	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	9.52	—	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14	
MW - 7	9.48	—	##	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83	
MW - 8	—	—	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 12	—	—	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 13	—	—	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 14	ND	8.68	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 15	10.81	12.52	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	11.61	11.63	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	8.95	14.08	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	11.89	15.12	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	12.53	13.80	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	11.18	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	10.36	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 25	12.10	13.13	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	10.57	14.68	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	10.62	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	10.96	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	
MW - 29	ND	11.25	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	
MW - 30	ND	9.77	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 31	ND	9.17	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 32	ND	9.86	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 34	ND	15.07	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 35	ND	14.73	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 36	ND	10.60	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 37	ND	11.04	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 38	ND	9.32	—	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 39	—	—	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 40	ND	7.13	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 41	ND	10.22	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW - 42	ND	9.38	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
RW - 1	ND	6.18	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	
RW - 2	13.80	18.32	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	15.15	18.56	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	15.27	16.62	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	13.01	13.92	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	12.35	13.49	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	13.92	16.84	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	13.35	19.00	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	13.18	18.22	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	13.34	17.31	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40	
RW - 12*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Notes Well gauging conducted on January 30, 2015

Symbol Key: ## LNAPL observed, depth not determined — Data not recorded est Estimated value * Well equipped with automated product recovery system

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



Legend:

- - - Chain Link Fence
- Subject Property Border
- - - Registry Site Boundary
- Ⓜ Monitoring Well Location
- Ⓡ Recovery Well Location

Well Location Map	
280 Franklin Street Borough of Brooklyn Kings County, New York	
ESI File: SB09110.50	
Scale as shown	
February 2015	Attachment B

Base map provided by Morris Associates P.L.L.C. dated 7/26/12.

FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – February 2015

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FROM: Stephanie O. Davis, CPG, Vice President

DATE: March 19, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during February 2015. Activities have been conducted by Ecosystems Strategies, Inc. (ESI) and FPM Group (FPM). A site plan showing the general site layout, nearby area, and associated wells is included as Attachment B. Schedule information is presented under each activity discussion.

In recent months, interim remedial action (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been performed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed by ESI at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation were provided to the NYSDEC and the NYSDEC subsequently requested (December 12, 2014) that a work plan be prepared to conduct additional soil vapor and soil vapor intrusion (SVI) testing at offsite locations.

The requested additional investigation of TCE was discussed with the NYSDEC on February 19 and 24, 2015.

As of the date of this report, FPM has been authorized to conduct the additional investigation of TCE and a work plan has been prepared and submitted to the NYSDEC (March 18, 2015). In addition, the driller has been authorized to proceed with obtaining sidewalk-opening permits and outreach to the private

property owners for access has been initiated.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014, following a NYSDEC-approved work plan, to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. Limited dissolved phthalate contamination was identified at MW-37 (15 ug/l), with trace impacts (less than 2 ug/l) at the other wells.

The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and will be presented in the final RIR in preparation by ESI.

As of the date of this report FPM has been authorized to continue the IRM activities, which will include ongoing monthly monitoring of the recently-installed wells for potential LNAPL contamination.

➤ Additional LNAPL Investigation

An investigation to evaluate the characteristics of LNAPL present on the groundwater surface was conducted by FPM in January 2015 in accordance with an NYSDEC-approved work plan. The findings were reported to the NYSDEC in February 2015 (Product Testing Report, February 23, 2015) and were discussed with the NYSDEC on February 16, and 23, 2015. The findings will be incorporated into the Feasibility Study (FS) and used in remedial decision-making for the Site.

➤ Submittal of Remedial Investigation Reports

A draft Remedial Investigation Report (RIR) was prepared by ESI and submitted to the NYSDEC in May 2014. All data from subsequent Site investigations conducted by ESI will be incorporated into a final RIR, which is presently scheduled for submittal to the NYSDEC in March 2015.

A Supplemental RIR will be prepared by FPM and submitted to the NYSDEC following completion of the additional TCE investigation discussed above. The Supplemental RIR is tentatively scheduled for submittal to the NYSDEC in May 2015.

B. Interim Remedial Measure Activities

Monthly IRM activities were most recently conducted by ESI in January 2015 and were previously reported to the NYSDEC. Monthly IRM activities were not conducted in February 2015 due to contract issues. As of the date of this report FPM has been contracted to undertake monthly IRM activities starting in March 2015. The results of the March 2015 IRM activities will be provided in the next monthly progress report.

➤ Maintenance Activities

During each monthly visit general maintenance activities are performed. These activities include collection and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of all waste containers.

➤ Monitoring and Product Removal

Monthly gauging of all onsite and offsite monitoring and recovery wells is conducted. Wells that cannot be accessed due to obstructions are noted. All wells containing LNAPL are noted, as are wells where LNAPL is absent. A table documenting the product apparent thickness measurements is provided as Attachment A and a Well Location Map is provided as Attachment B.

The number of gallons of LNAPL removed from the wells is noted, including LNAPL from the 55-gallon drums associated with recovery wells RW-8 and RW-12 (currently equipped with PetroXtractor Well Oil Skimmers, Model PX-B). All recovered product is 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, a waste management company is contacted and waste disposal is requested. Waste management activities conducted prior to FPM's recent contract for IRM activities will be reported by others.

On February 12, 2015 an FPM representative toured the Site with a waste management company representative to inventory the accumulated investigation-derived and IRM wastes and obtain pricing for disposal. Following receipt of an approvable waste management proposal, the waste management activities will be conducted. All wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports for the months during which waste disposal activities occur. It is anticipated that waste management activities will commence in April 2015.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in February 2015 and will be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the final RIR and the additional TCE investigation, as discussed above.

The results of the product testing activities reported in February 2015 (discussed above) will be incorporated into the FS.

➤ Test Pit Activity

Test pitting was proposed to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information will be used in the development of the FS. A Test Pit Work Plan was submitted to the NYSDEC on February 9, 2015 and received conditional NYSDEC approval on February 18, 2015.

As of the date of this report, the test pit had been performed (March 12, 2015) and it is anticipated that the Test Pit Report will be submitted to the NYSDEC by the end of March 2015.

D. Meetings and NYSDEC Communication

Two meetings were held with the NYSDEC in February 2015, including a conference call regarding the product testing work on February 16, 2015 and a February 24, 2015 meeting in the NYSDEC office that included representatives of Greenpoint Landing, during which offsite issues related to the Site were discussed. Communication on Site-related technical matters will continue, as needed, between NYSDEC, ESI, FPM, and others.

Attachments

A – Apparent Thickness of LNAPL in Site Wells

B – Well Location Map

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Attachment A Table: Apparent Thickness of LNAPL Layer in Site Wells

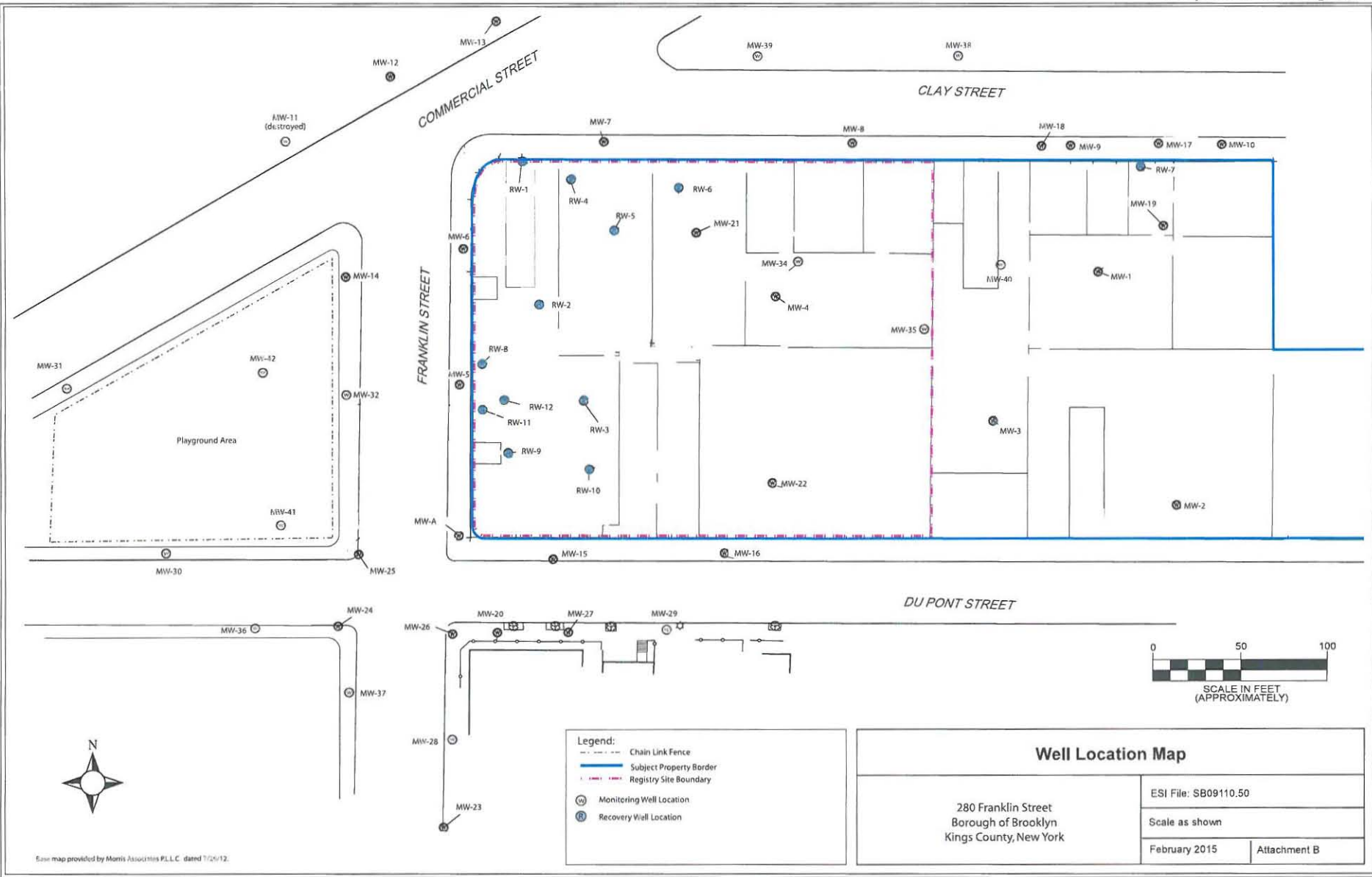
Data recorded using a Geotech Oil/Water Interface Probe, unit of measure = foot. All depth measurements from top of PVC well casing.

Well Location	Depth to Product	Depth to Water	Thickness of LNAPL Layer																								
			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	—	—	—	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	10.02	14.42	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	9.52	—	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14	
MW-7	9.48	—	##	2.01	2.16	0.60	0.01	—	0.17	0.17	—	—	4.78	4.70	4.00	##	2.77	1.06	1.92	4.92	5.45	1.30	1.36	2.00	1.84	1.83	
MW-8	—	—	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-12	—	—	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-13	—	—	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-14	ND	8.68	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-15	10.81	12.52	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	11.61	11.63	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	8.95	14.08	5.13	1.67	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	11.89	15.12	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	12.53	13.80	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	11.18	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	10.36	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-25	12.10	13.13	1.03	3.16	4.02	3.85	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	10.57	14.68	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	10.62	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	10.96	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	
MW-29	ND	11.25	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	
MW-30	ND	9.77	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-31	ND	9.17	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-32	ND	9.86	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-34	ND	15.07	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-35	ND	14.73	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-36	ND	10.60	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-37	ND	11.04	ND	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-38	ND	9.32	—	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-39	—	—	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-40	ND	7.13	ND	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-41	ND	10.22	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
MW-42	ND	9.38	ND	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	not installed	
RW-1	ND	6.18	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	
RW-2	13.80	18.32	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	15.15	18.56	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	15.27	16.62	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	13.01	13.92	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	12.35	13.49	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	13.92	16.84	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	13.35	19.00	5.85	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	13.18	18.22	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	13.34	17.31	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40	
RW-12'	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Notes Well gauging conducted on January 30, 2015

Symbol Key: ## LNAPL observed, depth not determined — Data not recorded est Estimated value * Well equipped with automated product recovery system

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



FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – March 2015

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FROM: Stephanie O. Davis, CPG, Vice President

DATE: April 9, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during March 2015. Activities have been conducted by Ecosystems Strategies, Inc. (ESI) and FPM Group (FPM). A site plan showing the general site layout, nearby area, and associated wells is included as Attachment B. Schedule information is presented under each activity discussion.

In recent months, interim remedial action (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been performed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed by ESI at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation were provided to the NYSDEC and the NYSDEC subsequently requested (December 12, 2014) that a work plan be prepared to conduct additional soil vapor and soil vapor intrusion (SVI) testing at offsite locations. The requested additional investigation of TCE was discussed with the NYSDEC on February 19 and 24, 2015.

FPM was authorized to conduct the additional investigation of TCE and a work plan was submitted to the NYSDEC on March 18, 2015. This work plan was approved by the NYSDEC on March 23, 2015. In late March 2015 the driller proceeded to obtain sidewalk-opening permits; permits have been obtained for the Clay Street locations. As of the date of this report it has been determined that permits will not be issued for the two contemplated locations in the sidewalk adjoining Commercial Street due to the presence of a

major electric utility. Although alternate locations in Commercial Street were identified, FPM has been informed that no sampling will be permitted in proximity to Commercial Street due to the presence of major electric and gas utilities. This access issue was discussed with the NYSDEC and use of existing data associated with the Greenpoint Landing project is contemplated as an alternative to fill this data gap. As of the date of this report the sampling on Clay Street is being scheduled for mid to late April.

Outreach to the private property owners for access was initiated on March 20, 2015, including mailing letters (regular and registered mail) and door-to-door contacts on March 26, 2015. As of the date of this report we have received confirmation of receipt of four of the seven letters and two letters returned as "refused". None of the contacts made on March 26, 2015 provided access.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014, following a NYSDEC-approved work plan, to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. Limited dissolved phthalate contamination was identified at MW-37 (15 ug/l), with trace impacts (less than 2 ug/l) at the other wells. The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and will be presented in the final RIR in preparation by ESI.

FPM conducted IRM activities on March 26, 2015, including monitoring of the recently-installed wells for potential LNAPL contamination. No LNAPL contamination was noted in the new wells.

➤ Additional LNAPL Investigation

An investigation to evaluate the characteristics of LNAPL present on the groundwater surface was conducted by FPM in January 2015 in accordance with an NYSDEC-approved work plan. The findings were reported to the NYSDEC in February 2015 (Product Testing Report, February 23, 2015) and were discussed with the NYSDEC on February 16, and 23, 2015. The NYSDEC issued correspondence regarding the product testing report on March 17, 2015. The findings will be incorporated into the Feasibility Study (FS) and used in remedial decision-making for the Site. As this investigation has been completed, it will not be included in future monthly Project Status Reports.

➤ Submittal of Remedial Investigation Reports

A draft Remedial Investigation Report (RIR) was prepared by ESI and submitted to the NYSDEC in May 2014. All data from subsequent Site investigations conducted by ESI will be incorporated into a final RIR, which is to be completed by ESI. FPM has been informed that ESI has not yet been retained to complete the RIR. ESI has informed FPM that the RIR is anticipated to be completed approximately one month after authorization to complete the RI is received.

A Supplemental RIR will be prepared by FPM and submitted to the NYSDEC following completion of the additional TCE investigation discussed above. The Supplemental RIR is tentatively scheduled for submittal to the NYSDEC in May 2015.

B. Interim Remedial Measure Activities

Monthly IRM activities were conducted by FPM on March 26, 2015. 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 Attachment B.

➤ Maintenance Activities

General maintenance activities were performed, including collection and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event. One of the oil skimmers was out of service and a faulty float switch will be replaced.

➤ 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 due to obstructions are noted on Table 1. All wells containing LNAPL are noted, as are wells where LNAPL is absent.

The total amount of LNAPL removed from the wells during this event is estimated as 75 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). The total amount of LNAPL removed under the IRM during recent months will be estimated following disposal of the product presently stored onsite.

All recovered product is 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, a waste management company will be contacted and waste disposal requested. Waste management activities conducted prior to FPM's recent contract for IRM activities will be reported by others.

On February 12, 2015 an FPM representative toured the Site with a waste management company representative to inventory the accumulated investigation-derived and IRM wastes and obtain pricing for disposal. Waste management proposals were received in late March 2015 and were forwarded with a recommendation for approval. All wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports for the months during which waste disposal activities occur. It is anticipated that waste management activities will commence in April 2015.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in March 2015 and will be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the final RIR and the additional TCE investigation, as discussed above. The results of the product testing activities reported in February 2015 (discussed above) will be incorporated into the FS.

➤ Test Pit Activity

Test pitting was proposed to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information will be used in the development of the FS. A Test Pit Work Plan was submitted to the NYSDEC on February 9, 2015 and received conditional NYSDEC approval on February 18, 2015.

The test pit was performed on March 12, 2015 and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report is being revised in April 2015 to include additional information to be summarized from existing boring logs in the LNAPL area. It is anticipated that the revised report will be

submitted to the NYSDEC in mid-April 2015.

D. Meetings and NYSDEC Communication

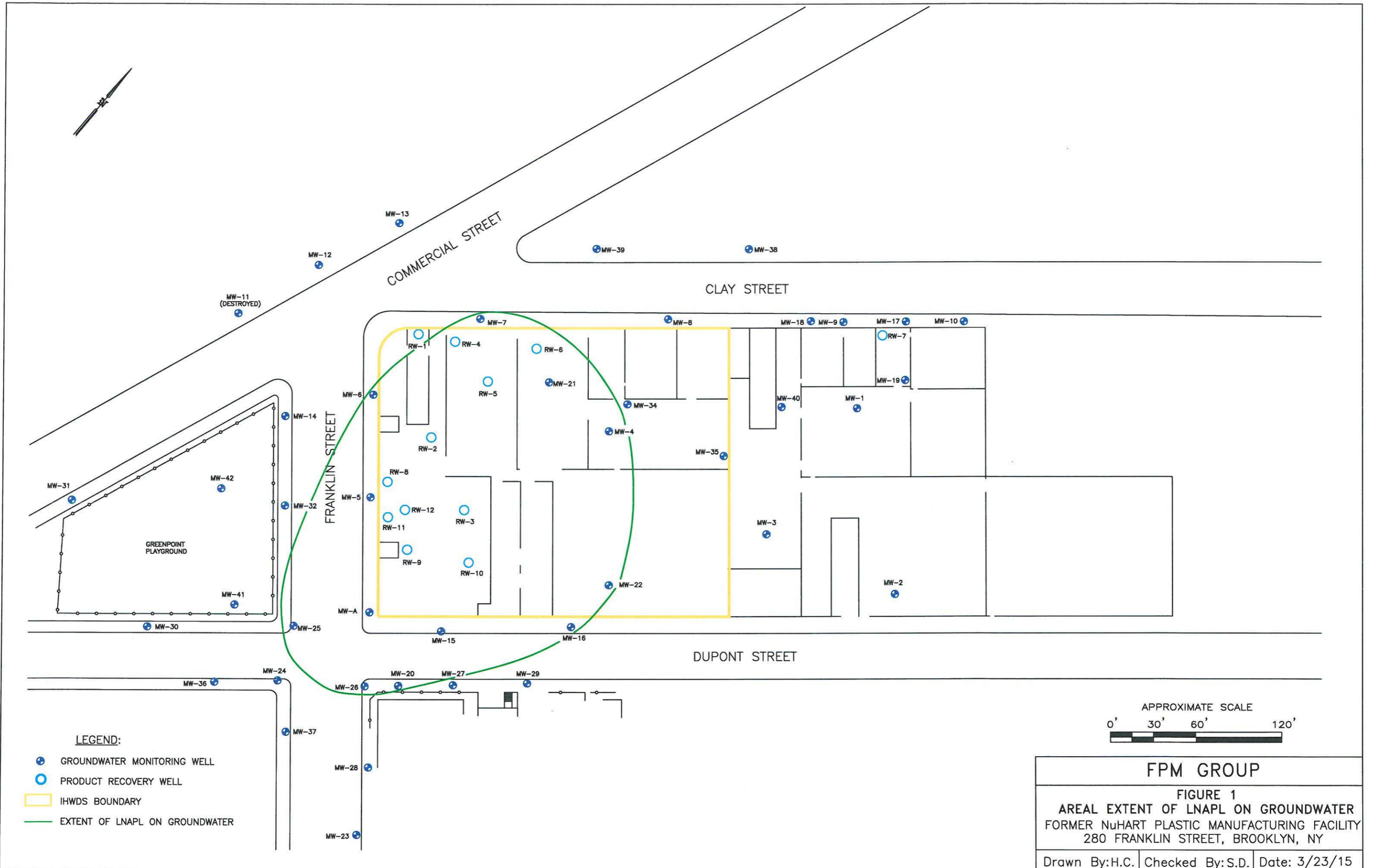
No formal meetings were held with the NYSDEC in March 2015. The NYSDEC was onsite on March 12, 2015 to observe test pit activities and informal weekly progress calls were initiated in late March for informational purposes. Communication on Site-related technical matters will continue, as needed, between NYSDEC, ESI, FPM, and others.

Attachments

A – Apparent Thickness of LNAPL in Site Wells

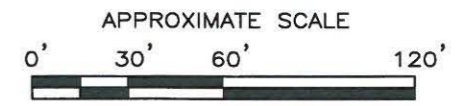
B – Well Location Map

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LEGEND:

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



FPM GROUP

FIGURE 1
AREAL EXTENT OF LNAPL ON GROUNDWATER
FORMER NuHART PLASTIC MANUFACTURING FACILITY
280 FRANKLIN STREET, BROOKLYN, NY

Drawn By:H.C. Checked By:S.D. Date: 3/23/15

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

Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																								
			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	12.79	13.35	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	10.81	13.91	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	9.52	11	1.48	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14
MW-7	9.79	11.58	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	9.79	ND	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	ND	7.81	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	ND	7.54	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
MW-15	10.88	12.55	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	11.71	11.79	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	9.38	13.76	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	11.75	15.21	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	12.46	13.79	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	11.26	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	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
MW-25	12.09	13.16	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	10.57	14.71	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	10.68	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	11.01	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	11.31	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW-30	ND	9.81	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	9.27	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-32	ND	9.94	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	15.21	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	14.79	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-36	ND	10.61	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	11.21	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	9.31	—	—	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-39	—	—	ND	ND	ND	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	7.29	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	10.3	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	9.39	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	6.25	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND
RW-2	13.83	18.02	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	18.5	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	15.28	16.71	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	13.09	13.94	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	12.46	13.65	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	13.99	16.92	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	19.09	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	13.29	18.25	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	13.35	17.22	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40
RW-12**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

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

= LNAPL observed, depth 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.

est = Estimated value

** = Well equipped with automated product recovery system

— = Data not recorded

* Wells were gauged on March 26, 2015

FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – April 2015

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FROM: Stephanie O. Davis, CPG, Vice President

DATE: May 7, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during April 2015. Activities have been conducted by Ecosystems Strategies, Inc. (ESI) and FPM Group (FPM). 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.

In recent months, interim remedial action (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been performed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed by ESI at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation were provided to the NYSDEC and the NYSDEC subsequently requested (December 12, 2014) that a work plan be prepared to conduct additional soil vapor and soil vapor intrusion (SVI) testing at offsite locations.

A work plan for this investigation was approved by the NYSDEC on March 23, 2015. In late March 2015 the driller proceeded to obtain sidewalk-opening permits; permits were obtained for the Clay Street locations but permits could not be obtained for the two contemplated locations associated with Commercial Street due to the presence of major electric and gas utilities. This access issue was discussed with the NYSDEC and use of existing data associated with the Greenpoint Landing project was contemplated as an alternative to fill this data gap. The NYSDEC subsequently made copies of the

Greenpoint Landing RI reports available to FPM for this purpose.

The sampling on Clay Street was conducted on April 23 and 24, 2015. As of the date of this report receipt of the resulting data is pending. FPM has reviewed the Greenpoint Landing RI reports and concluded that sufficient soil vapor data were collected in proximity to Commercial Street to allow for use of these data to fill this data gap in our investigation of the subject Site. As of the date of this report FPM is preparing the Supplemental RI Report that will include the TCE delineation investigation results.

Outreach to the private property owners for access was initiated on March 20, 2015, including mailing letters (regular and registered mail) and door-to-door contacts on March 26, 2015. As of the date of this report we have received confirmation of receipt of five of the seven letters and two letters returned as "refused". None of the contacts made on March 26, 2015 provided access. As of the date of this report we understand that the NYSDEC has relayed this information to the NYSDOH with a request that the NYSDOH conduct outreach to the private property owners.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014, following a NYSDEC-approved work plan, to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. Limited dissolved phthalate contamination was identified at MW-37 (15 ug/l), with trace impacts (less than 2 ug/l) at the other wells. The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and will be presented in the final RIR in preparation by ESI. We understand that ESI has been authorized to complete the final RIR as of April 23, 2015 and FPM has been informed by ESI that the final RIR will be provided to the NYSDEC in May 2015.

FPM conducted IRM activities on April 23 and 24, 2015, including monitoring of the recently-installed wells for potential LNAPL contamination. No LNAPL contamination was noted in the new wells.

➤ Submittal of Remedial Investigation Reports

A draft Remedial Investigation Report (RIR) was prepared by ESI and submitted to the NYSDEC in May 2014. All data from subsequent Site investigations conducted by ESI will be incorporated into a final RIR, which is to be completed by ESI. FPM has been informed that ESI has been retained as of April 23, 2015 to complete the RIR. ESI has informed FPM that the RIR is anticipated to be completed before the end of May 2015.

A Supplemental RIR is being prepared by FPM and will be submitted to the NYSDEC; this report will include the results of the additional TCE investigation discussed above. The Supplemental RIR is tentatively scheduled for submittal to the NYSDEC in May 2015, depending on the timing of data receipt.

B. Interim Remedial Measure Activities

Monthly IRM activities were conducted by FPM on April 23 and 24, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event. One of the oil skimmers (RW-8) had been out of service due to a faulty float switch. FPM was authorized to replace the switch; this work was completed on April 24, 2015 and the skimmer placed back into service.

➤ 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 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. In April 2015 the water table rose generally between 0.5 and 1.5 feet in all of the wells relative to the levels observed in March 2015, most likely in response to recharge from seasonal rainfall. Product apparent thicknesses were also noted to change somewhat, with the apparent thickness decreasing in most (but not all) of the wells, which is the typical response when the water table rises. The variable response of some wells may be related to the high viscosity of the product, which both inhibits its mobility and makes accurate product level measurements somewhat difficult.

The total amount of LNAPL removed from the wells during this event is estimated as 95 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). The total amount of LNAPL removed under the IRM during recent months will be estimated following disposal of the product presently stored onsite.

All recovered product is 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. Waste management activities conducted prior to FPM's recent contract for IRM activities will be reported by others.

On February 12, 2015 an FPM representative toured the Site with a waste management company representative to inventory the accumulated investigation-derived and IRM wastes and obtain pricing for disposal. Waste management proposals were received in late March 2015 and were forwarded with a recommendation for approval. In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. As of the date of this report DC representatives have consolidated the existing wastes onsite; this activity was conducted with an FPM representative present onsite. All wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports for the months during which waste disposal activities occur. It is anticipated that waste disposal activities will commence in May 2015.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in April 2015 and will be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the final RIR and the additional TCE investigation, as discussed above. The results of product testing activities reported in February 2015 will be incorporated into the FS.

➤ Test Pit Activity

Test pitting was proposed to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information will be used in the development of the FS. A Test Pit Work Plan was submitted to the NYSDEC on February 9, 2015 and received conditional NYSDEC approval on February 18, 2015.

The test pit was performed on March 12, 2015 and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015 to include additional information summarized from existing boring logs in the LNAPL area; client approval of the revised report is now pending. It is anticipated that the revised report will be submitted to the NYSDEC in May 2015.

D. Meetings and NYSDEC Communication

No formal meetings were held with the NYSDEC in April 2015. The NYSDEC participated in informal weekly progress calls for informational purposes. Communication on Site-related technical matters will continue, as needed, between NYSDEC, ESI, FPM, and others.

Attachments

Attachment A – Apparent Thickness of LNAPL in Site Wells

Figure 1 – Well Location Map

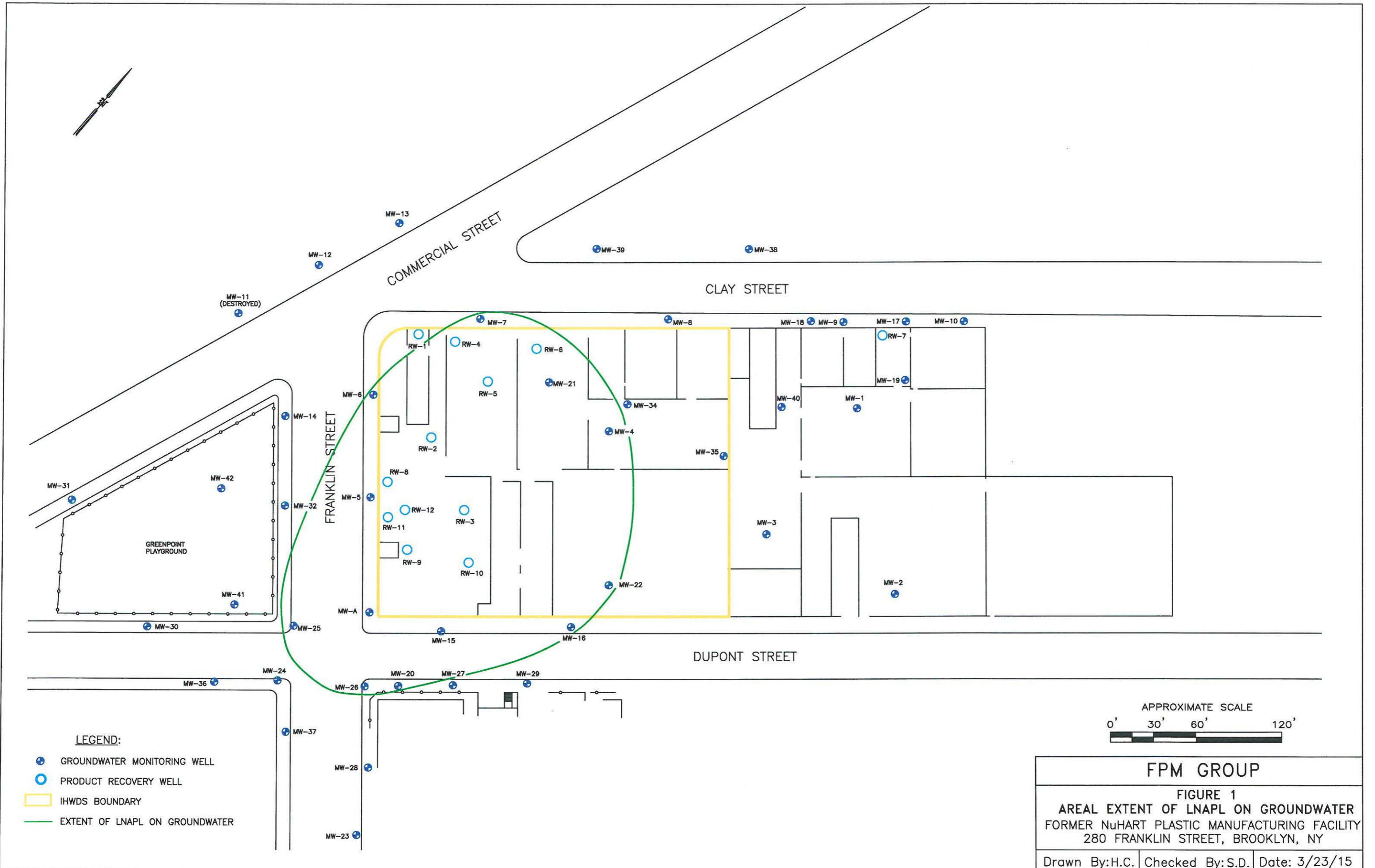
Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																									
			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	12.79	13.35	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	10.81	13.91	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	9.52	11	1.48	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14	
MW - 7	9.79	11.58	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	9.79	ND	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 12	ND	7.81	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 13	ND	7.54	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	
MW - 15	10.88	12.55	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	11.71	11.79	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	9.38	13.76	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	11.75	15.21	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	12.46	13.79	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	11.26	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 24	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	
MW - 25	12.09	13.16	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	10.57	14.71	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	10.68	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	11.01	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	11.31	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	9.81	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 31	ND	9.27	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 32	ND	9.94	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW - 34	ND	15.21	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
MW - 35	ND	14.79	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
MW - 36	ND	10.61	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 - 37	ND	11.21	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 - 38	ND	9.31	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	—	—	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 - 40	ND	7.29	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 - 41	ND	10.3	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
MW - 42	ND	9.39	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
RW - 1	ND	6.25	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW - 2	13.83	18.02	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	18.5	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	15.28	16.71	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	13.09	13.94	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	12.46	13.65	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	13.99	16.92	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	19.09	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	13.29	18.25	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	13.35	17.22	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40	
RW - 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

Data recorded using an oil/water interface probe, measurements from the tops of well casings.
 ## = LNAPL observed, depth 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.

est = Estimated value
 ** = Well equipped with automated product recovery system
 — = Data not recorded
 * Wells were gauged on March 26, 2015



COMMERCIAL STREET

CLAY STREET

FRANKLIN STREET

DUPONT STREET

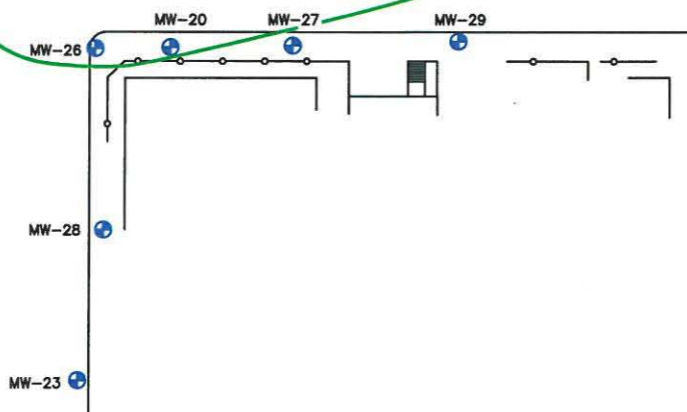
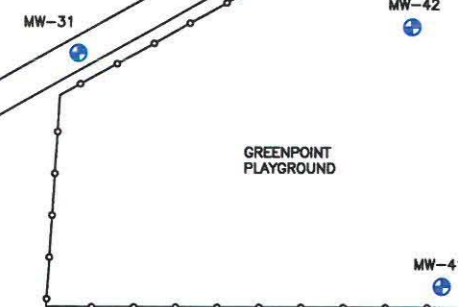
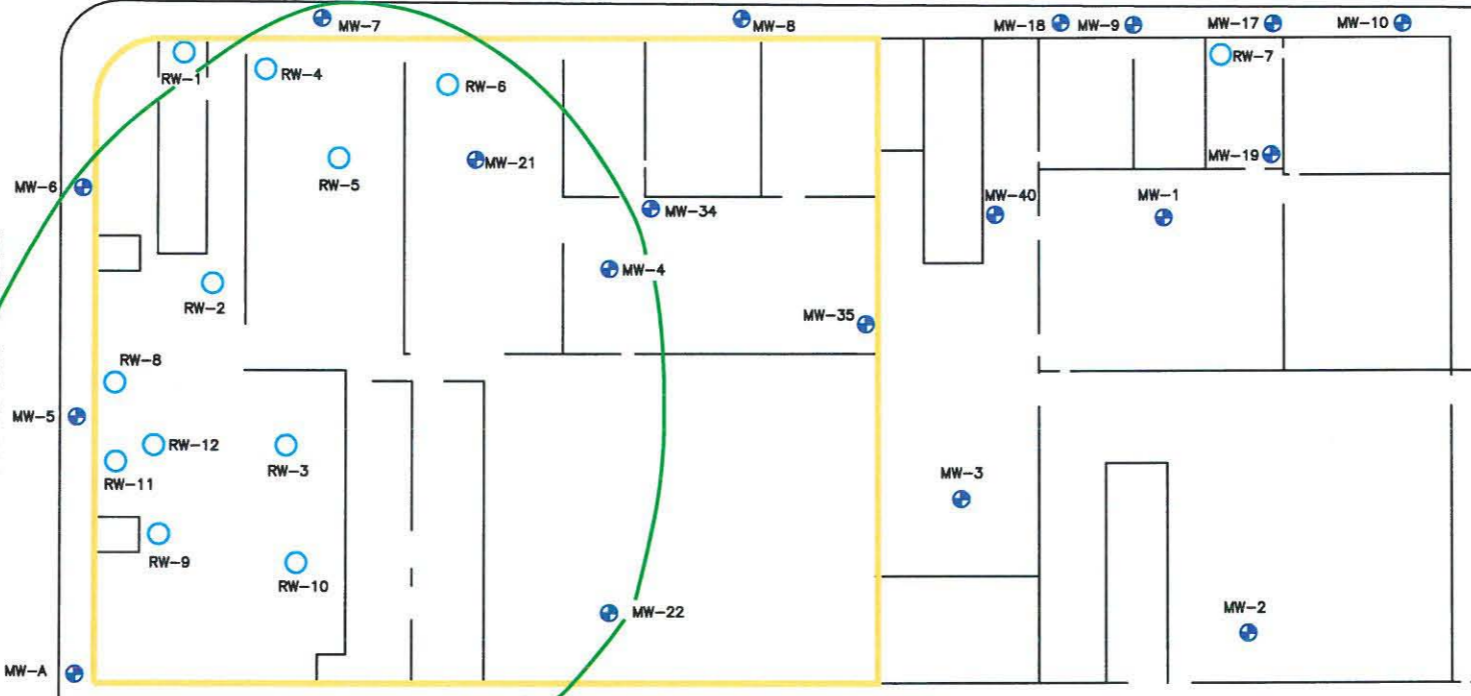
GREENPOINT PLAYGROUND

MW-11 (DESTROYED)

MW-12
MW-13

MW-39
MW-38

MW-18
MW-9
MW-17
MW-10



**FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136**

PROJECT STATUS REPORT – May 2015

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

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Peter R. Sullivan Email: ps@sullivanlegal.net

FROM: Stephanie O. Davis, CPG, Vice President

DATE: June 8, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during May 2015. Activities have been conducted by Ecosystems Strategies, Inc. (ESI) and FPM Group (FPM). 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.

In recent months, interim remedial action (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been performed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed by ESI at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation were provided to the NYSDEC and the NYSDEC subsequently requested (December 12, 2014) that a work plan be prepared to conduct additional soil vapor and soil vapor intrusion (SVI) testing at offsite locations.

A work plan for this investigation was approved by the NYSDEC on March 23, 2015. Sampling at the accessible locations (on Clay Street) was conducted in April 2015. The initial data package was received in early May and the NYSDEC was provided with a summary diagram depicting the data on May 13, 2015. This diagram also included data in proximity to Commercial Street obtained from the Greenpoint Landing RI reports provided by the NYSDEC (soil vapor sampling could not be performed beneath Commercial Street due to underground utilities). As of the date of this report the final Category B data package has been received and the DUSR prepared. A Supplemental RI Report that includes the TCE delineation investigation results has been drafted and is in internal review. The Supplemental RI Report is anticipated to be submitted to the NYSDEC by mid-June 2015.

Outreach to the private property owners for access was initiated on March 20, 2015, including mailing letters (regular and registered mail) and door-to-door contacts on March 26, 2015. To date we have received confirmation of receipt of five of the seven letters and two letters returned as "refused". None of the contacts made on March 26, 2015 provided access. The NYSDEC relayed this information to the NYSDOH with a request that the NYSDOH conduct outreach to the private property owners. FPM was informed in early May that the NYSDOH had contacted a representative of one property who indicated potential willingness to allow sampling. FPM followed up with this property representative on May 11, 2015 and verbally confirmed willingness to provide access. However, this representative no longer had a copy of the written access agreement. FPM re-mailed the access agreement for this property on May 11, 2015. As of the end of May a signed access agreement has not been returned to FPM. As of the date of this report FPM has made another verbal contact with this representative; it was reported that they are willing to have the sampling performed and will return the signed access agreement to FPM shortly.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014, following a NYSDEC-approved work plan, to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. Limited dissolved phthalate contamination was identified at MW-37 (15 ug/l), with trace impacts (less than 2 ug/l) at the other wells. The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and will be presented in the final RIR in preparation by ESI.

FPM conducted IRM activities on May 14, 2015, including monitoring of the recently-installed wells for potential LNAPL contamination. No LNAPL contamination was noted in the new wells.

➤ Submittal of Remedial Investigation Reports

A draft Remedial Investigation Report (RIR) was prepared by ESI and submitted to the NYSDEC in May 2014. All data from subsequent Site investigations conducted by ESI will be incorporated into a final RIR, which is being completed by ESI. ESI was authorized to complete the final RIR as of April 23, 2015 and in late May ESI provided a copy of the final RIR for internal review. We have been informed that the final RIR will be provided to the NYSDEC in June 2015.

A Supplemental RIR has been prepared by FPM and will be submitted to the NYSDEC following internal review; this report includes the results of the additional TCE investigation discussed above. The Supplemental RIR is anticipated to be submitted to the NYSDEC by mid-June 2015.

B. Interim Remedial Measure Activities

Monthly IRM activities were conducted by FPM on May 14, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event. Both of the oil skimmers (RW-8 and RW-12) remain in service.

➤ 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 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, with the exception that product was not observed in well MW-7, located just to the north of the Site. This is the first time that product was not observed in this well since at least September 2012. This change is noted by the dashed green line on Figure 1; Figure 1 will be further modified as needed based on future monitoring observations.

In May 2015 the water table dropped generally between 0.1 and 0.2 feet in nearly all of the monitoring wells relative to the levels observed in April 2015, most likely in response to the relatively low level of rainfall in May. Larger drops in water levels were observed in the recovery wells, which have a larger diameter (4") than the monitoring wells (2"). This difference in water level changes supports our understanding that the apparent thickness of LNAPL in the monitoring wells is somewhat exaggerated relative to the actual thickness in the formation and that the smaller-diameter wells may not respond accurately to changes in water levels. Product apparent thicknesses were also noted to change somewhat, with the apparent thickness decreasing slightly in many (but not all) of the monitoring wells, and increasing (in some cases significantly) in all but one of the recovery wells. An increase in LNAPL apparent thickness is often the response when the water table drops and the responses in the recovery wells appear typical. The variable response of some wells may be related to the high viscosity of the product, which both inhibits its mobility and makes accurate product level measurements somewhat difficult.

The total amount of LNAPL removed from the wells during this event is estimated as 75 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). The total amount of LNAPL removed under the IRM during recent months will be estimated following disposal of the product presently stored onsite.

All recovered product is 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. Waste management activities conducted prior to FPM's recent contract for IRM activities will be reported by others.

In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. In late April/early May 2015 DC representatives consolidated the existing wastes onsite; this activity was conducted with an FPM representative present onsite. All wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports for the months during which waste disposal activities occur. It is anticipated that waste disposal activities will commence in June 2015.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in May 2015 and will be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the final RIR and the additional TCE investigation, as discussed above, both of which reports are anticipated to be completed in June 2015. The results of product testing activities reported in February 2015 will be incorporated into the FS.

➤ Test Pit Activity

A test pit was conducted to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information will be used in the development of the FS. A Test Pit Work Plan was submitted to the NYSDEC on February 9, 2015 and received conditional NYSDEC approval on February 18, 2015. The test pit was performed on March 12, 2015 and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015 to include additional information summarized from existing boring logs in the LNAPL area. Client approval of the revised report was received on May 28, 2015 and the revised report was submitted to the NYSDEC on the same day.

➤ Utilities Survey

On May 7, 2015 FPM was authorized to obtain a survey of the underground utilities in the Site vicinity, including utility locations, depth information, and construction information. This work is being performed by the Subsurface Utilities Division of BL Companies (BL) and the results will be used to assess LNAPL migration and remediation issues in the FS. BL initiated work in May 2015 and is anticipated to complete a draft of the survey in late June.

D. Meetings and NYSDEC Communication

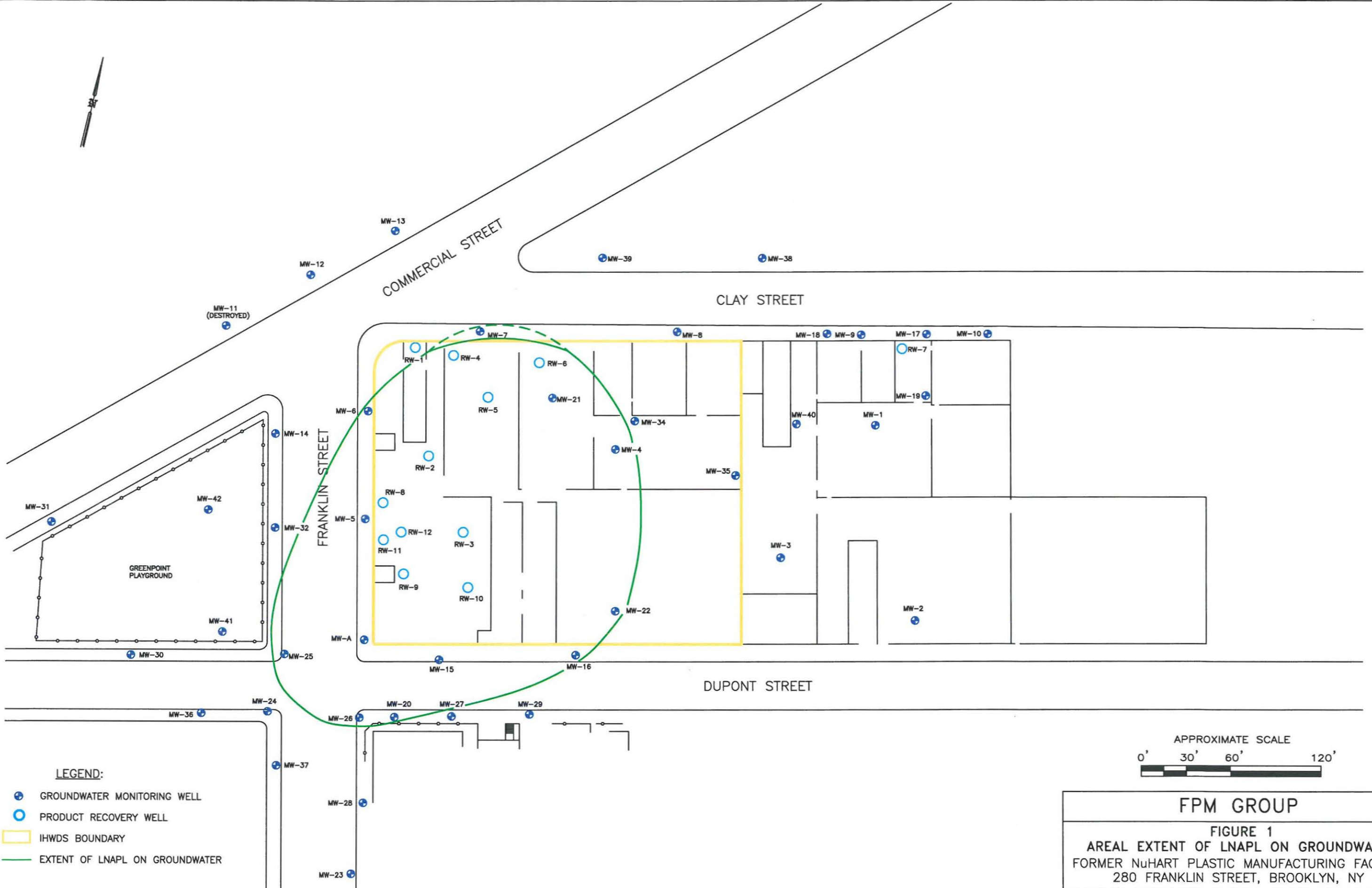
No formal meetings were held with the NYSDEC in May 2015. The NYSDEC participated in informal weekly progress calls for informational purposes. Communication on Site-related technical matters will continue, as needed, between NYSDEC, ESI, FPM, and others.

Attachments

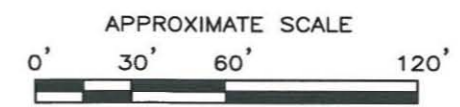
Attachment A – Apparent Thickness of LNAPL

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

U:\Rigano LLC\49 Dupont Brooklyn\Monthlyreporting And IRMMonthlyreports\May2015_Monthlystatusrpt.Docx



- LEGEND:**
- ⊕ GROUNDWATER MONITORING WELL
 - PRODUCT RECOVERY WELL
 - IHWDS BOUNDARY
 - EXTENT OF LNAPL ON GROUNDWATER



FPM GROUP		
FIGURE 1 AREAL EXTENT OF LNAPL ON GROUNDWATER FORMER NuHART PLASTIC MANUFACTURING FACILITY 280 FRANKLIN STREET, BROOKLYN, NY		
Drawn By: H.C.	Checked By: S.D.	Date: 6/2/15

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

Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																											
			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	12.71	13.15	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	8.62	11.03	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	8.94	11.35	##	##	##	##	##	##	##	##	—	—	2.64	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14	
MW-7	ND	11.51	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	9.70	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	7.82	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	7.59	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	8.66	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-15	10.75	11.96	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	11.16	11.31	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	10.49	13.28	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	11.49	14.26	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	12.80	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-24	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	
MW-25	10.13	13.37	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	10.18	13.51	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	10.59	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	10.78	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	11.16	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	9.61	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	9.24	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
MW-32	ND	9.93	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
MW-34	ND	14.73	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
MW-35	ND	14.39	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
MW-36	ND	10.54	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-37	ND	11.08	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-38	ND	8.63	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	ND	8.55	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-40	ND	6.94	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-41	ND	9.59	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
MW-42	ND	8.88	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
RW-1	ND	9.11	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND
RW-2	13.36	18.8	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	15.10	17.33	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	15.11	18.64	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	13.99	18.74	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	12.00	14.35	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	13.33	18.12	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	13.06	17.01	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	13.36	17.03	3.67	3.00	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40	
RW-12**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Notes:

Data recorded using an oil/water interface probe, measurements from the tops of well casings.
 ## = LNAPL observed, depth 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 08-07-052 and are under the scope of a separate investigation.

est = Estimated value
 ** = Well equipped with automated product recovery system
 — = Data not recorded
 * Wells were gauged on May 14, 2015

FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – June 2015

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

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Peter R. Sullivan Email: ps@sullivanlegal.net

FROM: Stephanie O. Davis, CPG, Vice President

DATE: July 9, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during June 2015. Activities have been conducted by Ecosystems Strategies, Inc. (ESI) and FPM Group (FPM). 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.

In recent months, interim remedial action (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been performed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed by ESI at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation were provided to the NYSDEC and the NYSDEC subsequently requested (December 12, 2014) that a work plan be prepared to conduct additional soil vapor and soil vapor intrusion (SVI) testing at offsite locations.

A work plan for this investigation was approved by the NYSDEC on March 23, 2015. Sampling at the accessible locations (on Clay Street) was conducted in April 2015. The initial data package was received in early May and the NYSDEC was provided with a summary diagram depicting the data on May 13, 2015. This diagram also included data in proximity to Commercial Street obtained from the Greenpoint Landing RI reports provided by the NYSDEC (soil vapor sampling could not be performed beneath Commercial Street due to underground utilities). The final Category B data package was received in June and the DUSR prepared. A Supplemental RI Report that includes the TCE delineation investigation results has been drafted and is in internal review. Additional information must be added to this report, as discussed below. The Supplemental RI Report (including the additional information) is anticipated to be submitted to the NYSDEC in July 2015.

Outreach to the private property owners for access was initiated on March 20, 2015, including mailing letters (regular and registered mail) and door-to-door contacts on March 26, 2015. FPM has received confirmation of receipt of five of the seven letters and two letters returned as "refused". None of the contacts made on March 26, 2015 provided access at that time. The NYSDOH subsequently conducted outreach to the private property owners and FPM was informed in early May that the NYSDOH had contacted a representative of one property who indicated potential willingness to allow sampling. FPM followed up with this property representative on May 11, 2015 and received a signed access agreement on June 8, 2015. Soil vapor sampling was performed at this offsite property on June 19, 2015. As of the date of this report the initial data package from this sampling event has not been received; we anticipate receiving the data package by mid-July 2015 and then adding this data to the Supplemental RI Report.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014, following a NYSDEC-approved work plan, to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. Limited dissolved phthalate contamination was identified at MW-37 (15 ug/l), with trace impacts (less than 2 ug/l) at the other wells. The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and are included in the final RIR prepared by ESI.

FPM conducted IRM activities on June 19, 2015, including monitoring of the recently-installed wells for potential LNAPL contamination. No LNAPL contamination was noted in the new wells.

➤ Submittal of Remedial Investigation Reports

A draft Remedial Investigation Report (RIR) was prepared by ESI and submitted to the NYSDEC in May 2014. All data from subsequent Site investigations conducted by ESI was incorporated into a final RIR, which was completed by ESI in late June 2015. We understand that as of the date of this report the final RIR has been provided to the NYSDEC.

A Supplemental RIR has been prepared by FPM and will be submitted to the NYSDEC following

receipt of the results of the offsite property sampling for the additional TCE investigation discussed above and internal review. The Supplemental RIR is anticipated to be submitted to the NYSDEC in July 2015.

B. Interim Remedial Measure Activities

Monthly IRM activities were conducted by FPM on June 19, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event. Both of the oil skimmers (RW-8 and RW-12) remain in service.

➤ 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 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, with the exception that product was again observed in well MW-7, located just to the north of the Site. Product was not observed in this well in May 2015, but is typically present in this well.

In June 2015 the water table rose somewhat, generally by less than 0.1 foot in nearly all of the monitoring wells relative to the levels observed in May 2015, most likely in response to increased rainfall in June. Somewhat larger increases in water levels were observed in the recovery wells, which have a larger diameter (4") than the monitoring wells (2"). This difference in water level changes supports our understanding that the smaller-diameter wells may not respond accurately to changes in water levels. Product apparent thicknesses were also noted to change somewhat, with the apparent thickness typically decreasing slightly in many (but not all) of the monitoring and recovery wells. A decrease in LNAPL apparent thickness is often the response when the water table rises and the responses in the wells appear typical. The variable response of some wells may be related to the high viscosity of the product, which both inhibits its mobility and makes accurate product level measurements somewhat difficult.

The total amount of LNAPL removed from the wells during this event is estimated as 90 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). The total amount of LNAPL removed under the IRM during recent months will be estimated following receipt of the manifests from the recent disposal of the product previously stored onsite in the IBC tanks.

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. Waste management activities conducted prior to FPM's recent contract for IRM activities will be reported by others.

In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. In late April/early May 2015 DC representatives consolidated the existing wastes onsite; this activity was conducted with an FPM representative present onsite. Waste disposal activities commenced in June 2015 and included an initial disposal of drummed wastes followed by disposal of product contained in the IBC tanks. Copies of the manifests have been requested from DC. All wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports following the months during which waste disposal activities occur.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in June 2015 and will be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the additional TCE investigation, as discussed above, which is anticipated to be completed in July 2015, and the utilities survey (discussed below), which is anticipated to be completed in July 2015. The results of product testing activities reported in February 2015 have been incorporated into the draft FS.

➤ Test Pit Activity

A test pit was conducted to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information has been used in the development of the FS. The test pit was performed on March 12, 2015 in accordance with a NYSDEC-approved Test Pit Work Plan and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015 to include additional information summarized from existing boring logs in the LNAPL area. The revised report was submitted to the NYSDEC on May 28, 2015, following client approval.

➤ Utilities Survey

On May 7, 2015 FPM was authorized to obtain a survey of the underground utilities in the Site vicinity, including utility locations, depth information, and construction information. This work is being performed by the Subsurface Utilities Division of BL Companies (BL) and the results will be used to assess LNAPL migration and remediation issues in the FS. BL initiated work (utility map review) in May 2015 and conducted onsite markout activities in June 2015. In mid-June FPM was authorized to add a survey of the Site-related wells to the scope of work such that a comprehensive survey of the well elevations relative to the same datum would be available. Surveying of the marked-out utilities and wells is anticipated to be completed in July, with a draft of the survey anticipated in late July.

D. Meetings and NYSDEC Communication

No formal meetings were held with the NYSDEC in June 2015. The NYSDEC participated in

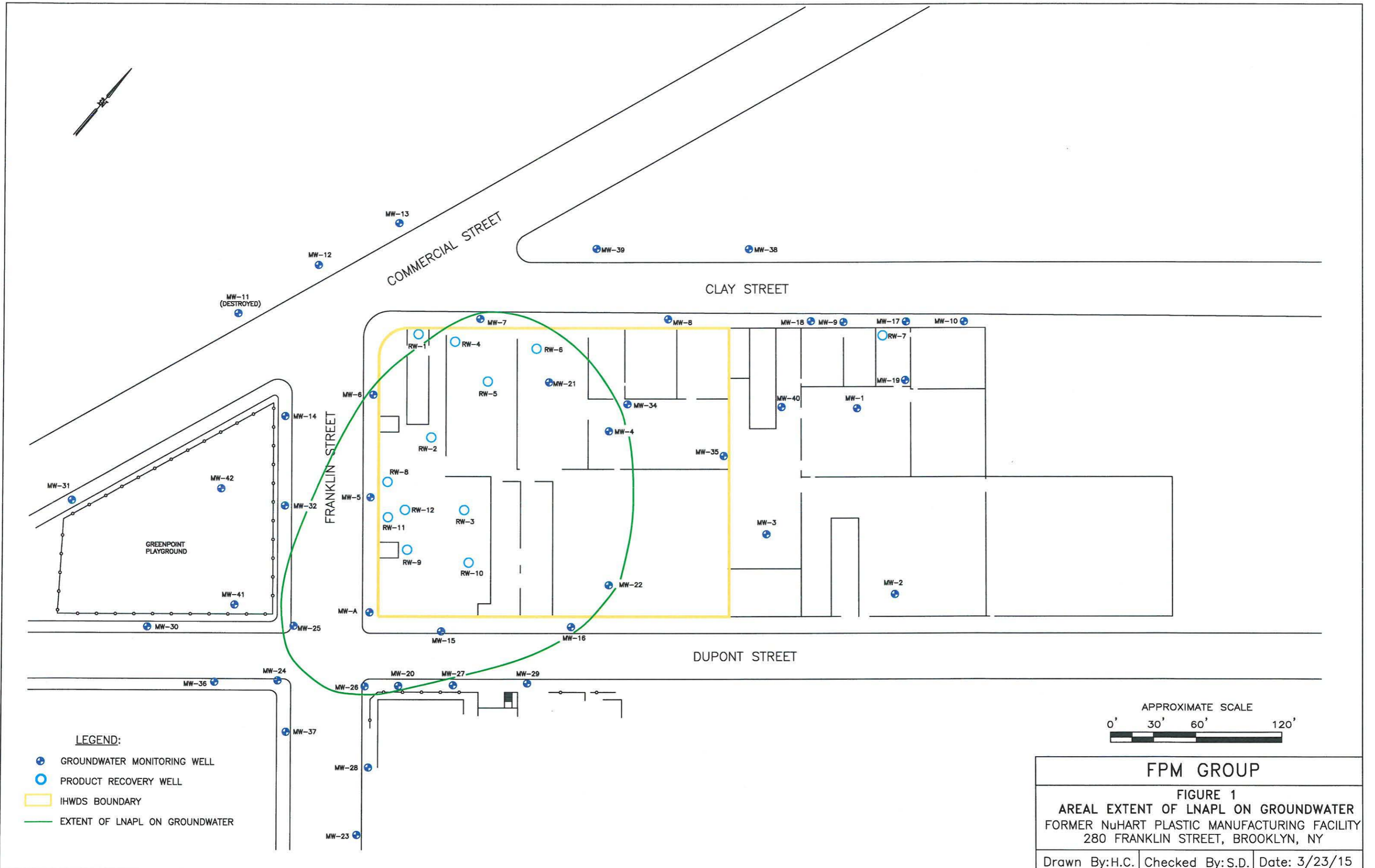
informal progress calls for informational purposes during the early part of June. Communication on Site-related technical matters will continue, as needed, between NYSDEC, ESI, FPM, and others.

Attachments

Attachment A – Apparent Thickness of LNAPL

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

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COMMERCIAL STREET

CLAY STREET

FRANKLIN STREET

DUPONT STREET

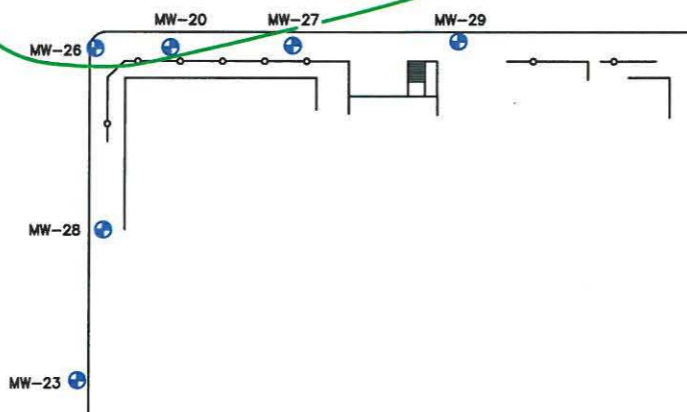
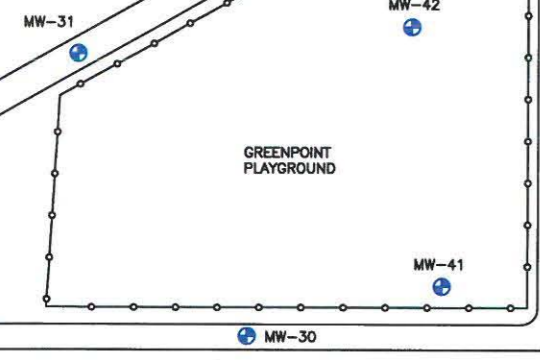
GREENPOINT PLAYGROUND

MW-11 (DESTROYED)

MW-12
MW-13

MW-39
MW-38

MW-18
MW-9
MW-17
MW-10



FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – July 2015

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FROM: Stephanie O. Davis, CPG, Vice President

DATE: August 6, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during July 2015. Activities have been conducted by Ecosystems Strategies, Inc. (ESI) and FPM Group (FPM). 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.

In recent months, interim remedial action (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been performed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed by ESI at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation are included in the RI Report recently submitted to the NYSDEC.

Additional soil vapor and soil vapor intrusion (SVI) testing for delineation has been performed at offsite locations by FPM in accordance with a work plan approved by the NYSDEC on March 23,

2015. Sampling at the accessible locations (on Clay Street) was conducted in April 2015. The initial data package was received in early May and the NYSDEC was provided with a summary diagram depicting the data on May 13, 2015. The final Category B data package was received in June and the DUSR prepared.

Outreach to the private property owners for access was initiated in March 2015, including mailing letters (regular and registered mail) and door-to-door contacts. None of the contacts made in March 2015 provided access. The NYSDOH subsequently conducted outreach to the private property owners and in early May a representative of one property indicated willingness to allow sampling. A signed access agreement for this property was received on June 8, 2015 and soil vapor sampling was performed at this offsite property on June 19, 2015. FPM was provided with the initial data package on July 8; the data were tabulated and added to the summary diagram, both of which were provided to the NYSDEC on July 9, 2015. The final Category B data package was received on July 29 and as of the date of this report the DUSR is in preparation.

A Supplemental RI Report that includes the TCE delineation investigation results has been drafted and is in internal review. The results from the June sampling event are being added to this report, which will be completed following receipt of the DUSR from the June sampling event. The Supplemental RI Report is anticipated to be submitted to the NYSDEC in August 2015.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014 to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. Limited dissolved phthalate contamination was identified at MW-37 (15 ug/l), with trace impacts (less than 2 ug/l) at the other wells. The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and are included in the final RIR prepared by ESI.

FPM conducted IRM activities on July 31, 2015, including monitoring of the recently-installed wells for potential LNAPL contamination. No LNAPL contamination was noted in the new wells.

➤ Submittal of Remedial Investigation Reports

A draft Remedial Investigation Report (RIR) was prepared by ESI and submitted to the NYSDEC in May 2014. All data from subsequent Site investigations conducted by ESI was incorporated into a final RIR, which was completed by ESI and submitted to the NYSDEC in early July 2015. The NYSDEC requested on July 23 that some minor changes be made to the RIR; these changes were made by ESI and the revised RIR was submitted to the NYSDEC on July 30, 2015.

A Supplemental RIR has been prepared by FPM and will be submitted to the NYSDEC following receipt of the DUSR for the data from the offsite property sampling and internal review. The Supplemental RIR is anticipated to be submitted to the NYSDEC in August 2015.

B. Interim Remedial Measure Activities

Monthly IRM activities were conducted by FPM on July 31, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event. Both of the oil skimmers (RW-8 and RW-12) remain in service.

➤ 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 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, with the exception that product was not observed in well MW-15, located just to the south of the Site. Product is typically present in this well, which is surrounded by other wells containing product.

In July 2015 the depth to the water table fluctuated somewhat, with some wells showing increases while other wells showed decreases relative to the levels observed in June 2015. Product apparent thicknesses were also noted to change somewhat, with the apparent thickness typically decreasing where the water table rose and increasing where the water table fell; these responses appear typical.

The total amount of LNAPL removed from the wells during this event is estimated as 75 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). The total amount of LNAPL removed under the IRM during recent months will be estimated following receipt of the manifests from the recent disposal of the product previously stored onsite in the IBC tanks.

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. Waste management activities conducted prior to FPM's recent contract for IRM activities are included in the RIR prepared by ESI.

In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. In late April/early May 2015 DC representatives consolidated the existing wastes onsite; this activity was conducted with an FPM representative present onsite to confirm segregation of hazardous and non-hazardous wastes. Waste disposal activities commenced in June 2015 and included an initial disposal of drummed wastes followed by disposal of product contained in the IBC tanks.

FPM was provided with a copy of the waste manifest from the disposal of the drummed wastes on July 6, 2015 (copy attached). It was noted that the wastes (product and soil) were disposed as non-hazardous waste at a Subtitle D landfill; DC was contacted the same day regarding the waste

classification and its basis. Subsequent communications were conducted with the waste disposal facility (CMEG, Inc.), including a request that the waste be held for potential re-manifesting pending a determination as to its nature. An internal evaluation of the nature of the waste was also performed. The NYSDEC was informed of this waste disposal on July 23 and subsequently provided information concerning a previous determination as to the nature (hazardous waste) of the waste product associated with the Site. As of the date of this report DC and CMEG have been notified that any shipments of waste product from this Site must be classified as hazardous waste.

Copies of the manifest(s) from the disposal of the product from the IBC tanks have been requested from DC but have not yet been provided to FPM.

We understand that all wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports following the months during which waste disposal activities occur.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in July 2015 and will be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the utilities survey (discussed below), which is anticipated to be completed in August 2015. The results of product testing activities reported in February 2015 have been incorporated into the draft FS.

➤ Test Pit Activity

A test pit was conducted to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information has been used in the development of the FS. The test pit was performed on March 12, 2015 in accordance with a NYSDEC-approved Test Pit Work Plan and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015 to include additional information summarized from existing boring logs in the LNAPL area. The revised report was submitted to the NYSDEC on May 28, 2015, following client approval. As of the date of this report NYSDEC approval of this report has not been received.

➤ Utilities Survey

On May 7, 2015 FPM was authorized to obtain a survey of the underground utilities in the Site vicinity, including utility locations, depth information, and construction information. This work is being performed by the Subsurface Utilities Division of BL Companies (BL) and the results will be used to assess LNAPL migration and remediation issues in the FS. BL initiated work (utility map review) in May 2015 and conducted onsite markout activities in June and July 2015. In mid-June FPM was authorized to add a survey of the Site-related wells to the scope of work such that a comprehensive survey of the well elevations relative to the same datum would be available. Marking out and surveying of the utilities and wells was conducted in July and is anticipated to be completed in August, with a draft of the survey anticipated in late August. On July 31 FPM was informed by BL that a Site neighbor objected to the markout activities in proximity to their property;

the NYSDEC was informed of this complaint.

D. Meetings and NYSDEC Communication

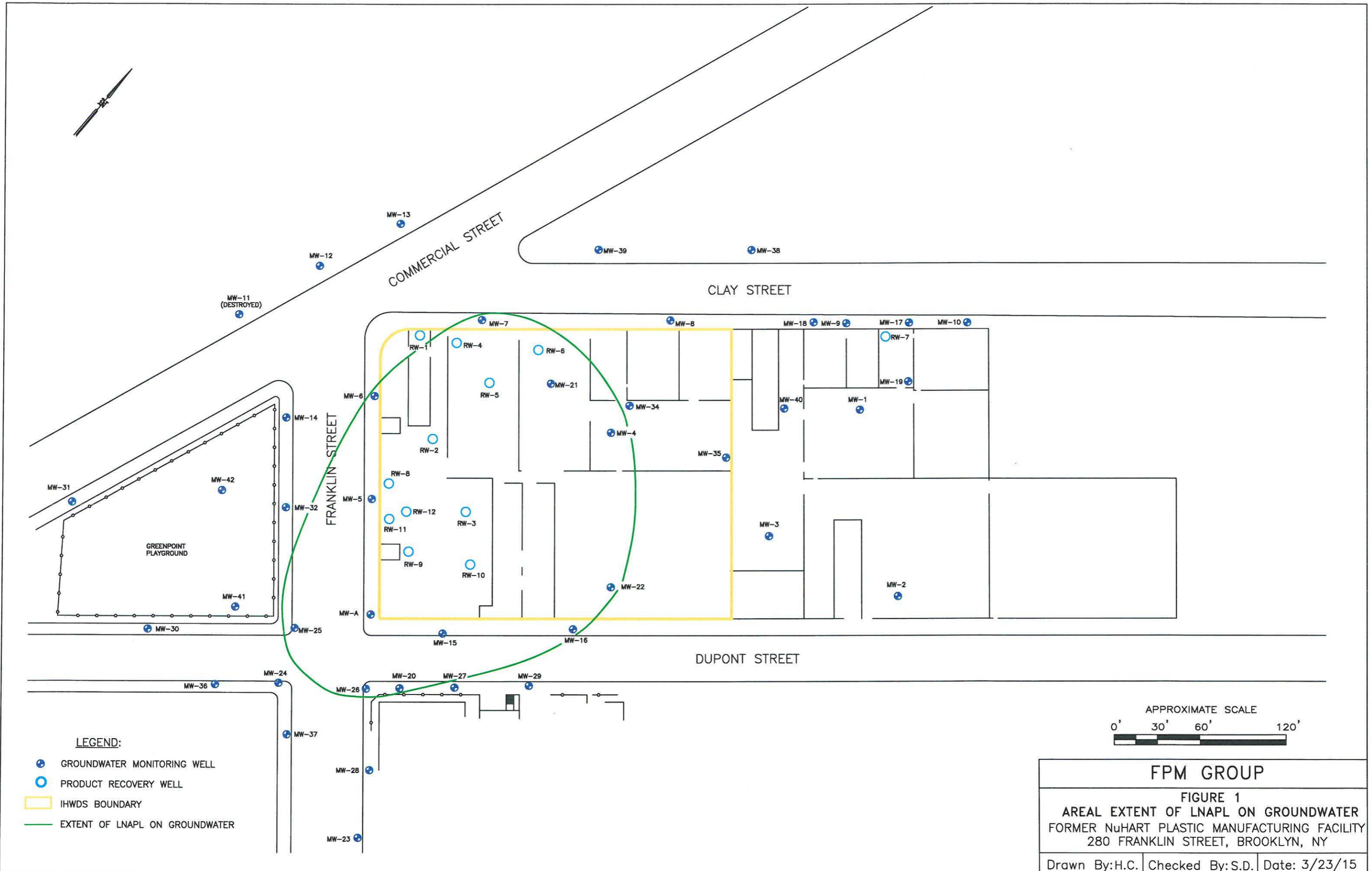
No formal meetings were held with the NYSDEC in July 2015, although Site and NYSDEC representatives participated in a community meeting on July 27, 2015. The NYSDEC participated in periodic informal progress calls for informational purposes during July. Communication on Site-related technical matters will continue, as needed, between NYSDEC, ESI, FPM, and others.

Attachments

Attachment A – Apparent Thickness of LNAPL

Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater
Waste disposal manifest – drummed wastes

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COMMERCIAL STREET

CLAY STREET

FRANKLIN STREET

DUPONT STREET

GREENPOINT PLAYGROUND

MW-11 (DESTROYED)

MW-12
MW-13

MW-39
MW-38

MW-18
MW-9
MW-17
MW-10

MW-7
MW-8
RW-1
RW-4
RW-6
RW-5
MW-21
MW-4
MW-34
MW-40
MW-19
RW-7
MW-1
MW-3
MW-35
RW-8
RW-12
RW-3
RW-11
RW-9
RW-10
MW-22
MW-2
MW-15
MW-16

MW-31
MW-42
MW-32
MW-14
MW-5
MW-6
MW-30
MW-41
MW-25

MW-24
MW-36
MW-26
MW-20
MW-27
MW-29
MW-28
MW-23

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

Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																													
			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	10.56	14.83	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	9.48	13.70	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	##	8.58	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14	
MW - 7	8.94	9.93	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	9.86	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 12	—	—	ND	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 13	—	—	ND	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 14	ND	8.30	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	
MW - 15	ND	10.18	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	10.90	11.04	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	10.17	13.05	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	11.20	14.17	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	11.89	12.68	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	10.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 24	ND	10.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 25	9.77	13.30	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	9.84	13.49	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	10.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND
MW - 28	ND	10.60	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	NI	NI	NI	NI
MW - 29	ND	10.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW - 30	ND	9.12	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
MW - 31	ND	8.74	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
MW - 32	ND	9.52	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
MW - 34	ND	14.74	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
MW - 35	ND	14.41	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
MW - 36	ND	10.28	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 - 37	ND	10.71	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 - 38	ND	8.92	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	ND	8.76	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 - 40	ND	7.08	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 - 41	ND	9.37	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
MW - 42	ND	8.61	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
RW - 1	ND	8.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND
RW - 2	13.38	18.92	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	14.80	19.11	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	13.55	17.20	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	13.68	18.55	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	11.79	12.57	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	13.03	16.07	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	12.77	18.48	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	13.05	16.48	3.43	3.66	3.67	3.00	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40	
RW - 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Notes:

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

= LNAPL observed, depth 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 75 gallons of product removed in July 2015

est = Estimated value

** = Well equipped with automated product recovery system

— = Data not recorded

* Wells were gauged on July 31, 2015

1. Generator ID Number
 NYD001408354
 2. Page 1 of 1
 3. Emergency Response Phone
 718-537-3100
 4. Waste Tracking Number
 20800

Generator's Name and Mailing Address
 DUPONT STREET
 BROOKLYN NY 11222
 Generator's Phone: 718 357-3100
 6. Transporter 1 Company Name
Freehold Cartage Inc

7. Transporter 2 Company Name
 U.S. EPA ID Number
 NYD054126164
 U.S. EPA ID Number
 U.S. EPA ID Number

8. Designated Facility Name and Site Address
 CMEG INC.
 917 INDUSTRIAL ROAD
 WALTERBORO SC 29488
 Facility's Phone: 803 538-8131
 9. Waste Shipping Name and Description
 S C R 0 0 0 0 0 3 4 4 2

10. Containers	11. Total Quantity	12. Unit Wt/Vol.
9	5400	P
20	8000	P
1	—	P
4.		

13. Special Handling Instructions and Additional Information
 1) 15093 2) 15094 3) 15094

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

Generator's Signature: **HANNY SINGH**
 Signature: **[Signature]**
 Month: 05 Day: 15 Year: 15
 15. Informational Shipments Import to U.S. Export from U.S. Port of entry/exit:
 Date leaving U.S.: **05/15/15**

16. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed Name: **Michael Brody**
 Signature: **[Signature]**
 Month: 05 Day: 15 Year: 15
 Transporter 2 Printed Name: **[Signature]**
 Signature: **[Signature]**
 Month: 05 Day: 15 Year: 15

17. Discrepancy
 17a. Discrepancy Indication Space Quantity Residue Partial Rejection Full Rejection
 Manifest Reference Number: **11/11/15**

17b. Alternate Facility (or Generator)
 U.S. EPA ID Number
 Facility's Phone:
 17c. Signature of Alternate Facility (or Generator)

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a.
 Signature: **[Signature]**
 Month: 06 Day: 08 Year: 15

19. BLS-C 6 10489 (Rev. 9/09)
 Signature: **[Signature]**
 Month: 06 Day: 08 Year: 15

FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – August 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
Peter R. Sullivan Email: ps@sullivanlegal.net

FROM: Stephanie O. Davis, CPG, Vice President

DATE: September 9, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during August 2015. Activities during this time period have been 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.

In recent months, interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been performed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation are included in the Remedial Investigation (RI) Report recently submitted to the NYSDEC.

Additional soil vapor and soil vapor intrusion (SVI) testing for delineation was performed at offsite locations by FPM in accordance with a work plan approved by the NYSDEC on March 23, 2015. Sampling at the accessible locations (on Clay Street) was conducted in April 2015. Outreach to the private property owners for access was initiated in March 2015; however, none of the contacts made in March 2015 provided access. The NYSDOH subsequently conducted outreach to the private property

owners and in early May a representative of one property indicated willingness to allow sampling. Soil vapor sampling was performed at this offsite property on June 19, 2015.

A Supplemental RI Report that includes the TCE delineation investigation results was prepared and submitted to the NYSDEC on August 20, 2015.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014 to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. Limited dissolved phthalate contamination was identified at MW-37 (15 ug/l), with trace impacts (less than 2 ug/l) at the other wells. The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and are included in the final RI Report submitted to the NYSDEC.

FPM conducted IRM activities on August 28, 2015, including monitoring of the recently-installed wells for potential LNAPL contamination. No LNAPL contamination was noted in the new wells.

➤ Remedial Investigation Reports

An RI Report was submitted to the NYSDEC in early July 2015. The NYSDEC requested on July 23 that some minor changes be made to the report; these changes were made and the revised RI Report was submitted to the NYSDEC on July 30, 2015.

A Supplemental RI Report that documents the TCE delineation investigation results was prepared by FPM and submitted to the NYSDEC on August 20, 2015.

B. Interim Remedial Measure Activities

Monthly IRM activities were conducted by FPM on August 28, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event. Both of the oil skimmers (RW-8 and RW-12) remain in service.

➤ 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 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 with the exception that product was again noted in well MW-15,

where it has previously been noted.

In August 2015 the depth to the water table decreased in nearly all of the wells relative to the level observed in July 2015; this decrease is likely due to dry weather conditions during August. Product apparent thicknesses were also noted to generally increase in most wells where product is present; this response appears typical.

The total amount of LNAPL removed from the wells during this event is estimated as 90 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). The total amount of LNAPL removed under the IRM during recent months (prior to the August 28, 2015 IRM event) is 462 gallons based on the reported quantity from the recent disposal of the product previously stored onsite in the IBC tanks (see below).

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. Waste management activities conducted prior to FPM's recent contract for IRM activities are included in the RI Report.

In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. In late April/early May 2015 DC representatives consolidated the existing wastes onsite; this activity was conducted with an FPM representative present onsite to confirm segregation of hazardous and non-hazardous wastes. Waste disposal activities commenced in June 2015 and included disposal of drummed wastes. Based on the manifest provided, the drummed wastes (product and soil) were disposed as non-hazardous waste at a Subtitle D landfill; DC was contacted regarding the waste classification and its basis. Subsequent communications were conducted with the waste disposal facility (CMEG, Inc.) and an internal evaluation of the nature of the waste was also performed. The NYSDEC was informed of this waste disposal on July 23 and subsequently provided information concerning a previous determination as to the nature (hazardous waste) of the waste product associated with the Site. DC and CMEG have been notified that any shipments of waste product from this Site must be classified as hazardous waste. FPM understands, based on information from DC and our observations of the IBC tanks, that DC did not dispose of product from the IBC tanks; this product was disposed in August 2015 as described below

In August 2015 Eastern Environmental Solutions, Inc. (Eastern) was contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. Eastern was provided with the EPA ID number for the site for waste disposal purposes and it was confirmed that the product would be disposed at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. On August 28, 2015 Eastern removed 462 gallons of product from the IBC tanks (prior to the IRM event) and transported it to the Cycle Chem facility for disposal. Routine screening for select analytes performed by Cycle Chem indicated the presence of low levels of PCBs in the product. A review of previously-obtained data for the Site did not indicate detections of PCBs or a potential PCB source. The product was classified as non-TSCA regulated hazardous waste (U028 and U107) and disposed. Receipt of the final manifest from this disposal event is pending. Additional sampling is planned to confirm that PCBs are not present in the product.

We understand that all wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports following the months during which waste disposal activities occur.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in August 2015 and will be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the utilities survey (discussed below), which is anticipated to be completed in September 2015. The results of product testing activities reported in February 2015 have been incorporated into the draft FS.

➤ Test Pit Activity

A test pit was conducted to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information has been used in the development of the FS. The test pit was performed on March 12, 2015 and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015 to include additional information summarized from existing boring logs in the LNAPL area. The revised report was submitted to the NYSDEC on May 28, 2015, following client approval. The NYSDEC approved this report on August 14, 2015.

➤ Utilities Survey

On May 7, 2015 FPM was authorized to obtain a survey of the underground utilities in the Site vicinity, including utility locations, depth information, and construction information. This work is being performed by the Subsurface Utilities Division of BL Companies (BL) and the results will be used to assess LNAPL migration and remediation issues in the FS. BL initiated work (utility map review) in May 2015 and conducted onsite markout activities in June and July 2015. In mid-June FPM was authorized to add a survey of the Site-related wells to the scope of work such that a comprehensive survey of the well elevations relative to the same datum would be available. Marking out of the utilities was completed in July and surveying was conducted in August. On July 31 FPM was informed by BL that a Site neighbor objected to the markout activities in proximity to their property; the NYSDEC was informed of this complaint. No further complaints have been reported. On August 26, 2015 FPM was informed that surveying was anticipated to be complete by the end of August and a draft of the survey would be provided to FPM in early September. As of the date of this report a draft survey has not been received by FPM, although the surveyor reports that a draft is imminent.

D. Meetings and NYSDEC Communication

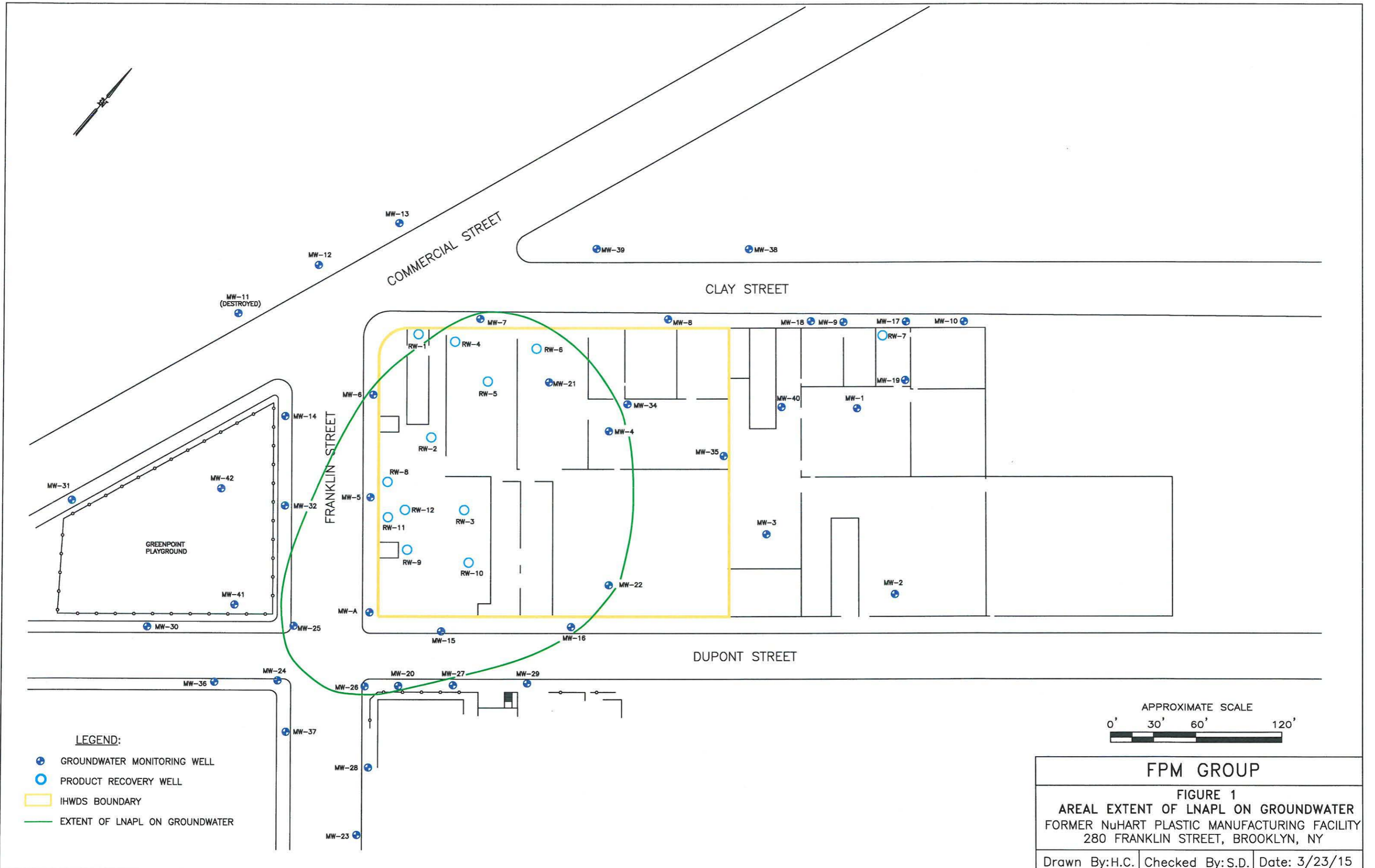
On August 12, 2015 the NYSDEC, FPM, Roux and Site representatives met to discuss the FS scope. The NYSDEC participated in periodic informal progress calls for informational purposes during August. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

Attachments

Attachment A – Apparent Thickness of LNAPL

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

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COMMERCIAL STREET

CLAY STREET

FRANKLIN STREET

DUPONT STREET

GREENPOINT PLAYGROUND

MW-11 (DESTROYED)

MW-12
MW-13

MW-39
MW-38

MW-18
MW-9
MW-17
MW-10



MW-24
MW-20
MW-27
MW-29
MW-36
MW-26
MW-28
MW-23

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

Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																														
			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	12.70	14.92	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	9.62	14.07	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	8.71	##	##	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14	
MW - 7	9.02	10.30	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	10.00	ND	ND	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	
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	
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	ND	ND	ND	ND	ND	ND	
MW - 15	10.35	11.40	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	11.05	11.10	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	10.29	13.41	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	14.62	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	12.04	13.08	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	11.00	ND	ND	ND	ND	ND	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	10.16	ND	ND	ND	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	9.91	13.59	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	9.97	13.67	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	10.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW - 28	ND	10.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW - 29	ND	11.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW - 30	ND	9.21	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	9.17	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
MW - 32	ND	9.64	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
MW - 34	ND	14.88	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
MW - 35	ND	14.6	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
MW - 36	ND	10.42	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 - 37	ND	10.84	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 - 38	ND	9.10	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	ND	8.89	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 - 40	ND	7.22	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 - 41	ND	9.51	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
MW - 42	ND	8.72	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
RW - 1	ND	8.91	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
RW - 2	13.52	16.93	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	14.85	16.99	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	14.91	16.93	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	13.90	19.69	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	11.92	12.53	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	13.17	16.40	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	12.93	17.05	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	13.19	16.81	3.62	3.43	3.66	3.67	3.00	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40	
RW - 12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Notes:

Data recorded using an oil/water interface probe, measurements from the tops of well casings.
 ## = 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 90 gallons of product removed in August 2015

est = Estimated value
 ** = Well equipped with automated product recovery system
 — = Data not recorded due to access issues
 * Wells were gauged on August 28, 2015

FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – September 2015

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FROM: Stephanie O. Davis, CPG, Vice President

DATE: October 8, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during September 2015. Activities during this time period have been 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.

In recent months, interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been performed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation are included in the Remedial Investigation (RI) Report submitted to the NYSDEC in July 2015.

Additional soil vapor and soil vapor intrusion (SVI) testing for delineation was performed at offsite locations by FPM in accordance with a work plan approved by the NYSDEC on March 23, 2015. Sampling at the accessible locations (on Clay Street) was conducted in April 2015 and sampling was conducted on June 19, 2015 at one offsite private property for which access was obtained. A

Supplemental RI Report that includes the TCE delineation investigation results was prepared and submitted to the NYSDEC on August 20, 2015.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014 to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and are included in the final RI Report submitted to the NYSDEC. FPM conducted IRM activities on September 14, 2015, including monitoring of these offsite wells for potential LNAPL contamination; no LNAPL contamination was noted.

➤ Remedial Investigation Reports

An RI Report was submitted to the NYSDEC in early July 2015. The RI Report was revised with minor changes to address NYSDEC comments and was resubmitted to the NYSDEC on July 30, 2015. A Supplemental RI Report that documents the TCE delineation investigation results was prepared by FPM and submitted to the NYSDEC on August 20, 2015. The NYSDEC provided comments on October 2, 2015 to correct one date in the report. As of the date of this report, the Supplement RI Report is being finalized and will shortly be distributed.

B. Interim Remedial Measure Activities

Monthly IRM activities were conducted by FPM on September 14, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event. Both of the oil skimmers (RW-8 and RW-12) were serviced during the previous (August 28) IRM event and showed an increased rate of recovery during the current monitoring period.

➤ 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 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.

In September 2015 the depth to the water table decreased in nearly all of the wells relative to the level observed in August 2015; this decrease is likely due to the ongoing dry weather conditions. Product apparent thicknesses were also noted to generally increase in the monitoring wells where

product is present; this response is typical during a time of lowered water levels. Some decreases in product apparent thickness were noted in the recovery wells.

The total amount of LNAPL removed from the wells during this event is estimated as 92 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). We note that the amount recovered in the two weeks since the August IRM event is nearly the same as the amount recovered in the four weeks preceding the August IRM event; this increase is attributed to skimmer maintenance conducted in August. The total amount of LNAPL removed under the IRM during recent months (prior to the August 28, 2015 IRM event) is 462 gallons based on the reported quantity from the recent disposal of the product previously stored onsite in the IBC tanks (see below). Product removed from the wells and stored onsite since the most recent disposal event is estimated at 182 gallons.

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. Waste management activities conducted prior to FPM's recent contract for IRM activities are included in the RI Report.

In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. In late April/early May 2015 DC representatives consolidated the existing wastes onsite; this activity was conducted with an FPM representative present onsite to confirm segregation of hazardous and non-hazardous wastes. Waste disposal activities commenced in June 2015 and included disposal of drummed wastes. Information concerning the disposal of the drummed wastes by DC was provided in previous monthly reports. FPM understands, based on information from DC and our observations of the IBC tanks, that DC did not dispose of product from the IBC tanks; this product was disposed in August 2015 as described below.

In August 2015 Eastern Environmental Solutions, Inc. (Eastern) was contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. Eastern was provided with the EPA ID number for the site for waste disposal purposes and it was confirmed that the product would be disposed at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. On August 28, 2015 Eastern removed 462 gallons of product from the IBC tanks (prior to the IRM event) and transported it to the Cycle Chem facility for disposal. Routine screening for select analytes performed by Cycle Chem indicated the presence of low levels of PCBs in the product. A review of previously-obtained data for the Site did not indicate detections of PCBs or a potential PCB source. The product was classified as non-TSCA regulated hazardous waste (U028 and U107) and disposed. Receipt of the final manifest from this disposal event is pending.

Sampling was conducted on September 14, 2015 to evaluate the PCB detections reported for the product. Sampling was conducted by FPM environmental professionals and the testing was performed by a NYSDOH-ELAP certified lab. The results of this sampling event will be fully reported in the FS. The locations sampled include each of the three IBC totes (one in use and two not in use) and wells MW-21, MW-22, MW-25 and RW-9. The resulting laboratory report is attached and demonstrates the following:

- PCBs were not detected in the residual product in the two IBC totes not in use or in any of wells MW-21, MW-22, or MW-25;

- The PCB Aroclor 1260 was detected at 1.24 J mg/kg in the product sample from RW-9 (please note that PCBs in oil are reported on a per-weight basis; as the specific gravity of this product is very close to that of water, the mg/kg unit may reasonably be expressed as ppm); and
- The PCB Aroclor 1260 was detected at 3.66 mg/kg in the product sample from the IBC tote that is presently in use to store product onsite.

Based on this information, it appears that PCBs may be present in a limited portion of the onsite product plume near the southwest corner of the Site. Additional testing is planned to be conducted in October to further evaluate PCBs in the product.

We understand that all wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports following the months during which waste disposal activities occur.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in September 2015 and will be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the utilities survey (discussed below), which is anticipated to be completed in October 2015, and the PCBs testing discussed above. The results of product testing activities reported in February 2015 have been incorporated into the draft FS and the PCB testing will also be documented in the FS.

➤ Test Pit Activity

A test pit was conducted to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information has been used in the development of the FS. The test pit was performed on March 12, 2015 and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015 and submitted to the NYSDEC on May 28, 2015. The NYSDEC approved this report on August 14, 2015.

➤ Utilities Survey

On May 7, 2015 FPM was authorized to obtain a survey of the underground utilities in the Site vicinity, including utility locations, depth information, and construction information. This work is being performed by the Subsurface Utilities Division of BL Companies (BL) and the results will be used to assess LNAPL migration and remediation issues in the FS. BL initiated work (utility map review) in May 2015 and conducted onsite markout activities in June and July 2015. In mid-June FPM was authorized to add a survey of the Site-related wells to the scope of work such that a comprehensive survey of the well elevations relative to the same datum would be available. Marking out of the utilities was completed in July and surveying was conducted in August. On July 31 FPM was informed by BL that a Site neighbor objected to the markout activities in proximity to their property; the NYSDEC was informed of this complaint. No further complaints have been reported. An initial draft survey was provided to FPM on October 6; FPM is presently working with the BL to finalize the survey.

D. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal progress calls for informational purposes during September. Project representatives met with Greenpoint Landing representatives on September 2 and will community representatives on September 25 to discuss potential remedial measures. 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

Alpha Analytical Laboratory Report L1522686

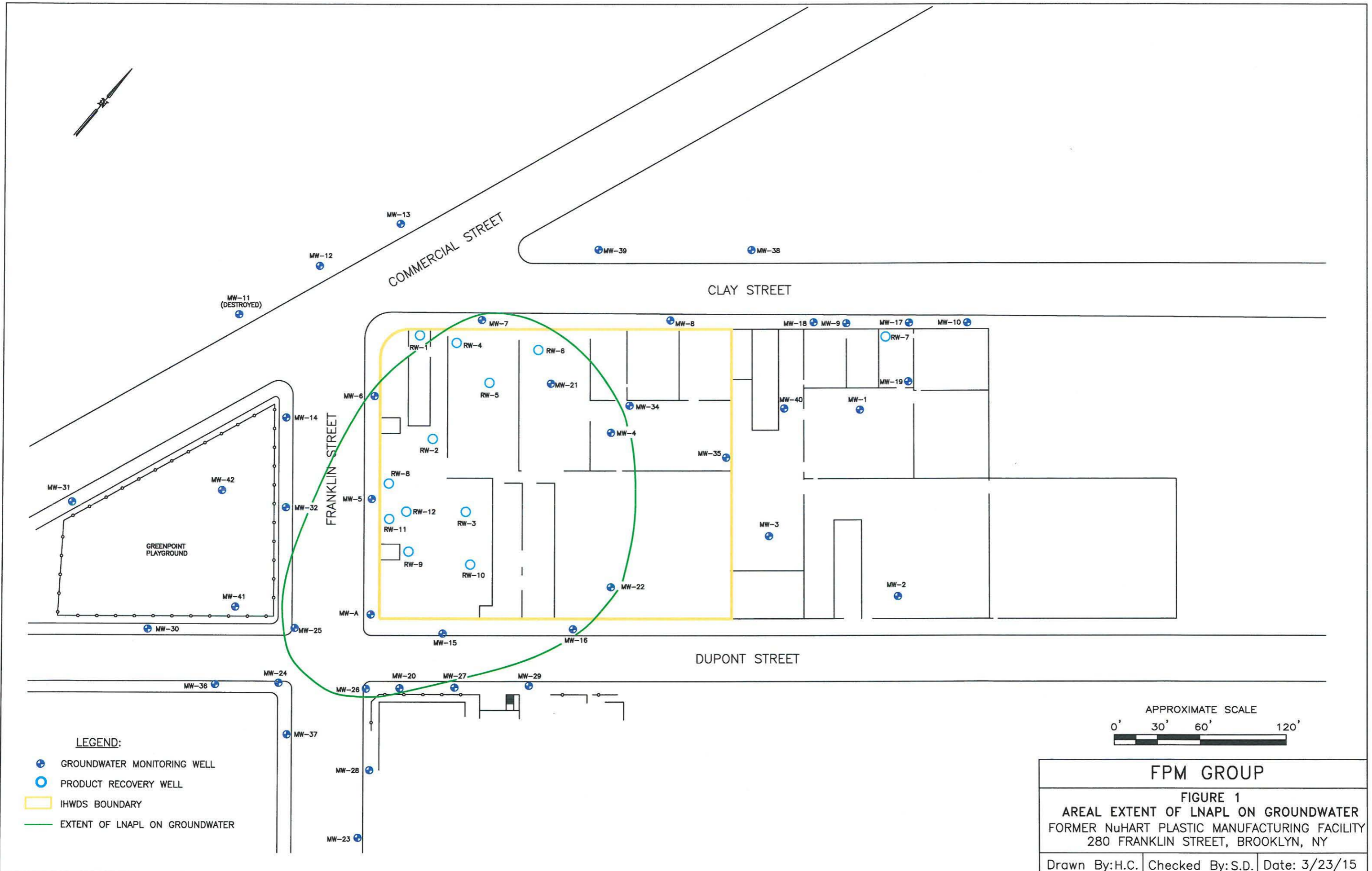
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Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																															
			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	12.81	14.58	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	9.77	14.03	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	8.88	—	##	##	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14	
MW-7	9.15	10.61	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	10.14	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	—	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	—	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	ND	8.67	ND	ND	ND	ND	ND	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	10.50	11.55	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	11.17	11.22	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	10.45	13.70	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	11.52	15.15	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	12.14	13.31	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	11.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-24	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	ND	ND	ND	ND	ND
MW-25	10.08	13.61	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	10.12	14.12	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	10.57	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	0.99	ND	ND
MW-28	ND	10.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW-30	ND	9.69	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
MW-31	ND	9.09	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
MW-32	ND	9.81	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
MW-34	ND	14.99	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
MW-35	ND	14.65	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
MW-36	ND	10.58	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-37	ND	11.02	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-38	ND	9.21	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	ND	9.00	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-40	ND	7.32	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-41	ND	9.71	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
MW-42	ND	8.97	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
RW-1	ND	9.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND
RW-2	13.61	16.58	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	15.01	16.40	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	15.06	16.15	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	14.03	16.06	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	12.03	12.68	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	13.30	15.98	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	13.06	17.18	4.12	4.12	5.71	3.80	3.95	3.65	4.96	5.04	3.93	3.74	3.57	3.18	—	3.38	3.89	3.48	3.80	3.81	3.99	4.11	##	4.11	3.55	—	—	—	—	—	—	—	—	
RW-11	13.09	16.33	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40	
RW-12 **	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:
Data recorded using an oil/water interface probe, measurements from the tops of well casings.
= 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 92 gallons of product removed in September 2015

est = Estimated value
** = Well equipped with automated product recovery system
— = Data not recorded due to access issues
* Wells were gauged on September 14, 2015



COMMERCIAL STREET

CLAY STREET

FRANKLIN STREET

DUPONT STREET

GREENPOINT PLAYGROUND

MW-11 (DESTROYED)

MW-12
MW-13

MW-39
MW-38

MW-18
MW-9
MW-17
MW-10

MW-7
MW-8
RW-1
RW-4
RW-6
RW-5
MW-21
MW-4
MW-34
MW-40
MW-19
RW-7
MW-1
MW-3
MW-35
RW-8
RW-12
RW-3
RW-11
RW-9
RW-10
MW-22
MW-2
MW-15
MW-16

MW-31
MW-42
MW-32
MW-14
MW-5
MW-6
MW-30
MW-41
MW-25

MW-24
MW-36
MW-26
MW-20
MW-27
MW-29
MW-28
MW-23



ANALYTICAL REPORT

Lab Number:	L1522686
Client:	FPM Group 909 Marconi Avenue Ronkonkoma, NY 11779
ATTN:	George Holmes
Phone:	(631) 737-6200
Project Name:	DUPONT
Project Number:	1134G-15-11
Report Date:	09/24/15

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1522686-01	MW-25	OIL	BROOKLYN, NY	09/14/15 09:30	09/15/15
L1522686-02	C-1	OIL	BROOKLYN, NY	09/14/15 10:00	09/15/15
L1522686-03	C-2	OIL	BROOKLYN, NY	09/14/15 10:15	09/15/15
L1522686-04	C-3	OIL	BROOKLYN, NY	09/14/15 10:30	09/15/15
L1522686-05	MW-21	OIL	BROOKLYN, NY	09/14/15 11:00	09/15/15
L1522686-06	MW-22	OIL	BROOKLYN, NY	09/14/15 11:30	09/15/15
L1522686-07	RW-9	OIL	BROOKLYN, NY	09/14/15 12:00	09/15/15

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Cristin Walker

Title: Technical Director/Representative

Date: 09/24/15

ORGANICS

PCBS

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

SAMPLE RESULTS

Lab ID: L1522686-01
Client ID: MW-25
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/22/15 17:59
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 09/14/15 09:30
Date Received: 09/15/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/21/15 14:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	3.66	0.289	1	A
Aroclor 1221	ND		mg/kg	3.66	0.337	1	A
Aroclor 1232	ND		mg/kg	3.66	0.429	1	A
Aroclor 1242	ND		mg/kg	3.66	0.448	1	A
Aroclor 1248	ND		mg/kg	3.66	0.309	1	A
Aroclor 1254	ND		mg/kg	3.66	0.301	1	A
Aroclor 1260	ND		mg/kg	3.66	0.279	1	A
Aroclor 1262	ND		mg/kg	3.66	0.181	1	A
Aroclor 1268	ND		mg/kg	3.66	0.530	1	A
PCBs, Total	ND		mg/kg	3.66	0.181	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	127		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

SAMPLE RESULTS

Lab ID: L1522686-02
Client ID: C-1
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/22/15 18:16
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 09/14/15 10:00
Date Received: 09/15/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/21/15 14:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	3.90	0.308	1	A
Aroclor 1221	ND		mg/kg	3.90	0.360	1	A
Aroclor 1232	ND		mg/kg	3.90	0.457	1	A
Aroclor 1242	ND		mg/kg	3.90	0.478	1	A
Aroclor 1248	ND		mg/kg	3.90	0.329	1	A
Aroclor 1254	ND		mg/kg	3.90	0.321	1	A
Aroclor 1260	ND		mg/kg	3.90	0.297	1	A
Aroclor 1262	ND		mg/kg	3.90	0.194	1	A
Aroclor 1268	ND		mg/kg	3.90	0.566	1	A
PCBs, Total	ND		mg/kg	3.90	0.194	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	125		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

SAMPLE RESULTS

Lab ID: L1522686-03
Client ID: C-2
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/22/15 18:32
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 09/14/15 10:15
Date Received: 09/15/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/21/15 14:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	3.92	0.309	1	A
Aroclor 1221	ND		mg/kg	3.92	0.361	1	A
Aroclor 1232	ND		mg/kg	3.92	0.459	1	A
Aroclor 1242	ND		mg/kg	3.92	0.479	1	A
Aroclor 1248	ND		mg/kg	3.92	0.330	1	A
Aroclor 1254	ND		mg/kg	3.92	0.322	1	A
Aroclor 1260	ND		mg/kg	3.92	0.298	1	A
Aroclor 1262	ND		mg/kg	3.92	0.194	1	A
Aroclor 1268	ND		mg/kg	3.92	0.568	1	A
PCBs, Total	ND		mg/kg	3.92	0.194	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

SAMPLE RESULTS

Lab ID: L1522686-04
Client ID: C-3
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/22/15 18:48
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 09/14/15 10:30
Date Received: 09/15/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/21/15 14:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	3.35	0.264	1	A
Aroclor 1221	ND		mg/kg	3.35	0.308	1	A
Aroclor 1232	ND		mg/kg	3.35	0.392	1	A
Aroclor 1242	ND		mg/kg	3.35	0.410	1	A
Aroclor 1248	ND		mg/kg	3.35	0.282	1	A
Aroclor 1254	ND		mg/kg	3.35	0.275	1	A
Aroclor 1260	3.66		mg/kg	3.35	0.255	1	B
Aroclor 1262	ND		mg/kg	3.35	0.166	1	A
Aroclor 1268	ND		mg/kg	3.35	0.485	1	A
PCBs, Total	3.66		mg/kg	3.35	0.166	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	117		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

SAMPLE RESULTS

Lab ID: L1522686-05
Client ID: MW-21
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/22/15 19:04
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 09/14/15 11:00
Date Received: 09/15/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/21/15 14:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	3.09	0.244	1	A
Aroclor 1221	ND		mg/kg	3.09	0.285	1	A
Aroclor 1232	ND		mg/kg	3.09	0.362	1	A
Aroclor 1242	ND		mg/kg	3.09	0.378	1	A
Aroclor 1248	ND		mg/kg	3.09	0.261	1	A
Aroclor 1254	ND		mg/kg	3.09	0.254	1	A
Aroclor 1260	ND		mg/kg	3.09	0.236	1	A
Aroclor 1262	ND		mg/kg	3.09	0.153	1	A
Aroclor 1268	ND		mg/kg	3.09	0.448	1	A
PCBs, Total	ND		mg/kg	3.09	0.153	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

SAMPLE RESULTS

Lab ID: L1522686-06
Client ID: MW-22
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/22/15 19:20
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 09/14/15 11:30
Date Received: 09/15/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/21/15 14:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	3.53	0.279	1	A
Aroclor 1221	ND		mg/kg	3.53	0.326	1	A
Aroclor 1232	ND		mg/kg	3.53	0.414	1	A
Aroclor 1242	ND		mg/kg	3.53	0.432	1	A
Aroclor 1248	ND		mg/kg	3.53	0.298	1	A
Aroclor 1254	ND		mg/kg	3.53	0.290	1	A
Aroclor 1260	ND		mg/kg	3.53	0.269	1	A
Aroclor 1262	ND		mg/kg	3.53	0.175	1	A
Aroclor 1268	ND		mg/kg	3.53	0.512	1	A
PCBs, Total	ND		mg/kg	3.53	0.175	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	115		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

SAMPLE RESULTS

Lab ID: L1522686-07
Client ID: RW-9
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/22/15 19:37
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 09/14/15 12:00
Date Received: 09/15/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/21/15 14:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	3.74	0.295	1	A
Aroclor 1221	ND		mg/kg	3.74	0.344	1	A
Aroclor 1232	ND		mg/kg	3.74	0.438	1	A
Aroclor 1242	ND		mg/kg	3.74	0.457	1	A
Aroclor 1248	ND		mg/kg	3.74	0.315	1	A
Aroclor 1254	ND		mg/kg	3.74	0.307	1	A
Aroclor 1260	1.24	J	mg/kg	3.74	0.285	1	A
Aroclor 1262	ND		mg/kg	3.74	0.185	1	A
Aroclor 1268	ND		mg/kg	3.74	0.542	1	A
PCBs, Total	1.24	J	mg/kg	3.74	0.185	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	112		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8082A
Analytical Date: 09/22/15 17:11
Analyst: JW

Extraction Method: EPA 3580A
Extraction Date: 09/21/15 14:04
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG823354-1						
Aroclor 1016	ND		mg/kg	4.71	0.372	A
Aroclor 1221	ND		mg/kg	4.71	0.435	A
Aroclor 1232	ND		mg/kg	4.71	0.552	A
Aroclor 1242	ND		mg/kg	4.71	0.577	A
Aroclor 1248	ND		mg/kg	4.71	0.398	A
Aroclor 1254	ND		mg/kg	4.71	0.388	A
Aroclor 1260	ND		mg/kg	4.71	0.359	A
Aroclor 1262	ND		mg/kg	4.71	0.234	A
Aroclor 1268	ND		mg/kg	4.71	0.684	A
PCBs, Total	ND		mg/kg	4.71	0.234	A

Surrogate	%Recovery	Qualifier	Acceptance	Column
			Criteria	
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	113		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG823354-2 WG823354-3									
Aroclor 1016	94		98		40-140	4		50	A
Aroclor 1260	97		104		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		103		30-150	A
Decachlorobiphenyl	127		135		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		111		30-150	B
Decachlorobiphenyl	125		130		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1522686-01A	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-01B	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-02A	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-02B	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-03A	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-03B	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-04A	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-04B	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-05A	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-05B	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-06A	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-06B	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-07A	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)
L1522686-07B	Vial unpreserved	A	N/A	4.9	Y	Absent	NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

Data Qualifiers

- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e., co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1522686
Report Date: 09/24/15

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – October 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: November 9, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during October 2015. Activities during this time period have been 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.

In recent months, interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been completed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation are included in the Remedial Investigation (RI) Report submitted to the NYSDEC in July 2015 and approved by the NYSDEC as per October 26, 2015 correspondence.

Additional soil vapor and soil vapor intrusion (SVI) testing for delineation was performed at offsite locations by FPM in accordance with a work plan approved by the NYSDEC on March 23, 2015. Sampling at the accessible locations (on Clay Street) was conducted in April 2015 and sampling

was conducted on June 19, 2015 at one offsite private property for which access was obtained. A Supplemental RI Report that includes the TCE delineation investigation results was submitted to the NYSDEC on August 20, 2015. The NYSDEC approved this report in October 26, 2015 correspondence.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site in June and December 2014 to further evaluate the extent of LNAPL contamination. Monitoring wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. The results of this investigation were discussed with representatives of the Greenpoint Landing Project on February 24, 2015 and are included in the final RI Report submitted to the NYSDEC. FPM conducted IRM activities on October 15, 2015, including monitoring of these offsite wells for potential LNAPL contamination; no LNAPL contamination was noted.

➤ Remedial Investigation Reports

An RI Report was submitted to the NYSDEC in early July 2015. The RI Report was revised with minor changes to address NYSDEC comments and was resubmitted to the NYSDEC on July 30, 2015. The NYSDEC approved the RI Report on October 26, 2015. A Supplemental RI Report documenting the TCE delineation investigation results was prepared by FPM and submitted to the NYSDEC on August 20, 2015. The NYSDEC provided comments on October 2, 2015 to correct one date in the report. The revised Supplemental RI Report was submitted to the NYSDEC on October 6, 2015 and was approved by the NYSDEC on October 26, 2015. Both RI Reports were transmitted to the document repositories and the NYSDEC issued a Fact Sheet on October 28, 2015 to inform the public that the Remedial Investigations have been completed at the Site.

B. Interim Remedial Measure Activities

Monthly IRM activities were conducted by FPM on October 15, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells 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. 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.

In October 2015 the depth to the water table decreased in nearly all of the wells relative to the

level observed in September 2015; this decrease is likely due to the ongoing dry weather conditions. Product apparent thicknesses were also noted to generally increase in the monitoring and recovery wells where product is present; this response is typical during a time of lowered water levels.

The total amount of LNAPL removed from the wells during this event is estimated as 107 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). The total amount of LNAPL removed under the IRM during recent months (prior to the August 28, 2015 IRM event) is 462 gallons based on the reported quantity from the recent disposal of the product previously stored onsite in the IBC tanks (see below). Product removed from the wells and stored onsite since the most recent disposal event is estimated at 289 gallons.

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. Waste management activities conducted prior to FPM's recent contract for IRM activities are included in the RI Report.

In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. In late April/early May 2015 DC representatives consolidated the existing wastes onsite; this activity was conducted with an FPM representative present onsite to confirm segregation of hazardous and non-hazardous wastes. Waste disposal activities commenced in June 2015 and included disposal of drummed wastes. Information concerning the disposal of the drummed wastes by DC was provided in previous monthly reports. FPM understands, based on information from DC and our observations of the IBC tanks, that DC did not dispose of product from the IBC tanks; this product was disposed in August 2015 as described below.

In August 2015 Eastern Environmental Solutions, Inc. (Eastern) was contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. Eastern was provided with the EPA ID number for the site for waste disposal purposes and it was confirmed that the product would be disposed at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. On August 28, 2015 Eastern removed 462 gallons of product from the IBC tanks (prior to the IRM event) and transported it to the Cycle Chem facility for disposal. Routine screening for select analytes performed by Cycle Chem indicated the presence of low levels of PCBs in the product. A review of previously-obtained data for the Site did not indicate detections of PCBs or a potential PCB source. The product was classified as non-TSCA regulated hazardous waste (U028 and U107) and disposed. The final manifest from this disposal event is attached.

Sampling was conducted on September 14, 2015 to evaluate the PCB detections reported for the product; additional sampling was performed on October 15, 2015. Sampling was conducted by FPM environmental professionals and the testing was performed by a NYSDOH-ELAP certified lab. The results of these sampling events will be fully reported in the FS. The locations sampled in September included each of the three IBC totes (one in use and two not in use) and wells MW-21, MW-22, MW-25 and RW-9; the laboratory report from this event was included with the September 2015 monthly report. The locations sampled in October 2015 include wells MW-A, MW-5, MW-15, RW-2, RW-3, RW-10 and RW-12; the laboratory report from this event is attached. The data from these two sampling events demonstrate the following:

- PCBs were not detected in the residual product in the two IBC totes not in use, or in any of wells MW-A, MW-15, RW-10, MW-21, MW-22, or MW-25;
- The PCB Aroclor 1260 was detected at between 1.24 J and 6.71 mg/kg in the product samples from the remaining wells (please note that PCBs in oil are reported on a per-weight basis; as the specific gravity of this product is very close to that of water, the mg/kg unit may reasonably be expressed as ppm); and
- The PCB Aroclor 1260 was detected at 3.66 mg/kg in the product sample from the IBC tote that was in use to store product onsite in September 2015.

Based on this information, it appears that PCBs may be present in a limited portion of the onsite product plume near the southwest side of the Site and extending offsite to MW-5, which directly adjoins the southwest side of the Site. The testing has provided sufficient information to allow for segregation of product containing PCBs from product that does not contain PCBs. One additional sample will be collected during the November 2015 IRM event to complete the delineation of PCBs in the product.

We understand that all wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports following the months during which waste disposal activities occur.

C. Feasibility Study

FPM has been engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in October 2015 and is scheduled to be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. At present, these remaining investigation activities include the utilities survey (discussed below), for which the final product will be received in early November 2015, and the PCBs testing discussed above. The results of product testing activities reported in February 2015 have been incorporated into the draft FS and the PCB testing is also documented in the FS.

➤ Test Pit Activity

A test pit was conducted to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information has been used in the development of the FS. The test pit was performed on March 12, 2015 and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015 and submitted to the NYSDEC on May 28, 2015. The NYSDEC approved this report on August 14, 2015.

➤ Utilities Survey

On May 7, 2015 FPM was authorized to obtain a survey of the underground utilities in the Site vicinity, including utility locations, depth information, and construction information. This work is being performed by the Subsurface Utilities Division of BL Companies (BL) and the results will be used to assess LNAPL migration and remediation issues in the FS. BL initiated work (utility map review) in May 2015 and conducted onsite markout activities in June and July 2015. In mid-June

FPM was authorized to add a survey of the Site-related wells to the scope of work such that a comprehensive survey of the well elevations relative to the same datum would be available. Marking out of the utilities was completed in July and surveying was conducted in August. On July 31 FPM was informed by BL that a Site neighbor objected to the markout activities in proximity to their property; the NYSDEC was informed of this complaint. No further complaints have been reported. An initial draft survey was provided to FPM on October 6. Additional onsite surveying work was completed in October 2015 and a revised survey was provided to FPM on October 19, 2015. FPM required BL to make some minor revisions to finalize the survey; this work was completed in early November.

D. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal progress calls for informational purposes during October. Project representatives met with community representatives on October 29 to discuss potential remedial measures and additional meetings were conducted in early November. Communication on Site-related technical matters will continue, as needed, between NYSDEC, FPM, Roux and others.

An event was planned to be held in the former NuHart buildings on October 31, 2015 and certain event preparation activities resulted in modifications to several of the monitoring wells, damage to the belt skimmers, generation of additional waste, and other IRM-related issues. FPM, Roux, and project representatives communicated with the NYSDEC, NYSDOH and others and addressed these issues in early November, as will be more fully reported in the November 2015 monthly report.

Attachments

Attachment A – Apparent Thickness of LNAPL
Figure 1 – Well Location Map showing areal extent of LNAPL on groundwater
August 28, 2015 waste disposal manifest
Alpha Analytical Laboratory Report L1526386

U:\Rigano LLC\49 Dupont Brooklyn\Monthlyreporting And IRM\Monthlyreports\October2015_Monthlystatusrpt.Docx

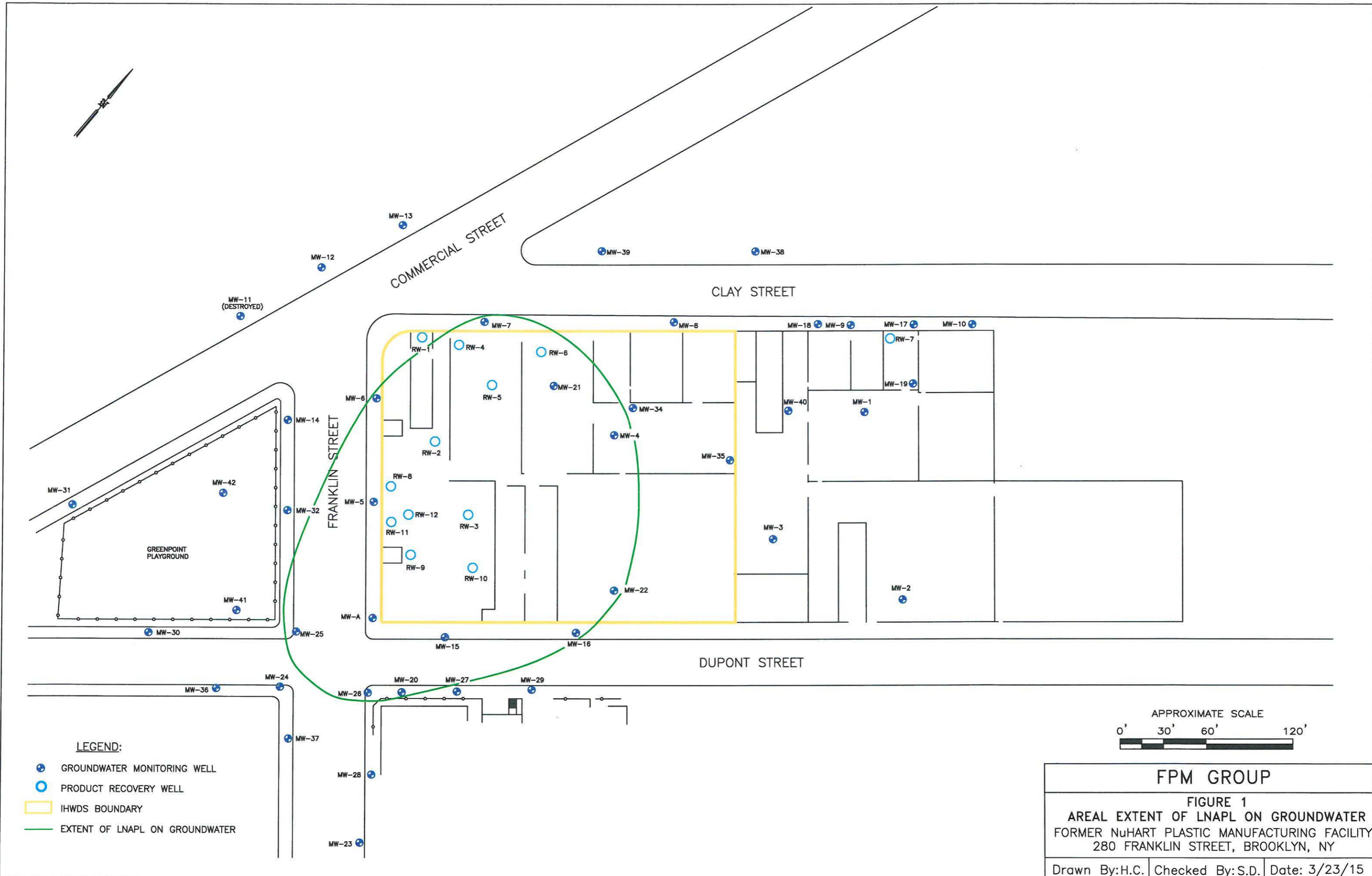
Attachment A: Apparent Thickness of LNAPL
Former NuHart Plastic Manufacturing Site, NYSDEC #224136
280 Franklin Street, Brooklyn, NY

Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																																
			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	12.97	14.96	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	9.96	14.12	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	9.04	—	##	##	##	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14	
MW-7	9.21	11.79	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	10.17	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
MW-12	—	—	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-13	—	—	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-14	ND	8.78	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-15	10.64	12.61	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	11.38	11.50	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	10.62	13.95	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	11.51	16.02	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	12.32	12.81	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	11.33	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
MW-24	ND	10.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-25	10.28	13.91	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	10.31	14.08	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	ND	ND	ND
MW-28	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	ND	ND	ND	ND	ND	ND	ND	ND
MW-29	ND	11.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-30	ND	9.91	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	9.27	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
MW-32	ND	9.97	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
MW-34	ND	15.07	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
MW-35	ND	14.75	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
MW-36	ND	10.76	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-37	ND	11.19	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-38	ND	9.20	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	ND	9.00	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-40	ND	7.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-41	ND	9.88	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
MW-42	ND	9.03	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
RW-1	ND	9.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RW-2	13.76	16.40	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	4.52	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	13.21	17.35	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	15.15	17.14	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	13.83	18.01	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	12.12	12.78	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	13.47	16.99	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	13.20	17.65	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	13.44	17.03	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	2.59	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40	
RW-12**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

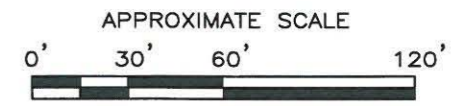
Data recorded using an oil/water interface probe, measurements from the tops of well casings.
 ## = LNAPL observed, apparent thickness not determined
 NI = Not installed
 ND = Not detected
 Wells MW-1, MW-2, MW-3, MW-9, MW-10, MW-17, MW-18, MW-19 and RW-7 are associated with NYSDEC Spill ID 06-01852 and are under the scope of a separate investigation.
 Total of 107 gallons of product removed in October 2015

est = Estimated value
 ** = Well equipped with automated product recovery system
 — = Data not recorded due to access issues
 * Wells were gauged on October 15, 2015



LEGEND:

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



FPM GROUP		
FIGURE 1 AREAL EXTENT OF LNAPL ON GROUNDWATER FORMER NuHART PLASTIC MANUFACTURING FACILITY 280 FRANKLIN STREET, BROOKLYN, NY		
Drawn By: H.C.	Checked By: S.D.	Date: 3/23/15

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number <i>NJ D061468354</i>	2. Page 1 of <i>1</i>	3. Emergency Response Phone <i>631 727-2700</i>	4. Manifest Tracking Number 014168542 JJK					
5. Generator's Name and Mailing Address <i>Dupont Street Developers LLC 86-26 Queens Blvd, 2nd Floor, Elmhurst NY 11373</i>			Generator's Site Address (if different than mailing address) <i>Dupont Street Developers LLC 280 Franklin Street, Brooklyn NY 11215</i>						
6. Transporter 1 Company Name <i>Eastern Environmental Solutions</i>			U.S. EPA ID Number <i>NYR000135624</i>						
7. Transporter 2 Company Name			U.S. EPA ID Number						
8. Designated Facility Name and Site Address <i>Cycle Chem Inc. 217 South First St. Elizabeth, NJ 07206</i>			U.S. EPA ID Number <i>NJD002200046</i>						
Facility's Phone: <i>908-355-5800</i>									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
			No.	Type					
		<i>1. NA3082 Hazardous Waste, Liquid, N.O.S. (BIS (2-Ethyl Hexyl) Phthalate, Di-N-Octyl Phthalate) 9 PGIII</i>	<i>001</i>	<i>TT</i>	<i>462</i>	<i>G</i>	<i>D028</i>	<i>U107</i>	
		<i>2.</i>							
		<i>3.</i>							
	<i>4.</i>								
14. Special Handling Instructions and Additional Information <i>1) Incineration</i>									
<i>9783 975272-ID-01</i>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offeror's Printed/Typed Name <i>Eastern Environmental Solutions (as agent for Generator)</i>					Signature <i>[Signature]</i>		Month Day Year <i>08 28 15</i>		
16. International Shipments: <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name <i>SKuzmecz</i>					Signature <i>[Signature]</i>		Month Day Year <i>08 28 15</i>		
Transporter 2 Printed/Typed Name					Signature		Month Day Year		
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
Manifest Reference Number: _____									
18b. Alternate Facility (or Generator)							U.S. EPA ID Number		
Facility's Phone: _____									
18c. Signature of Alternate Facility (or Generator)							Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. <i>H141</i>			2.			3.			
						4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name <i>HELEN ELIAS</i>					Signature <i>[Signature]</i>		Month Day Year <i>08 28 15</i>		

GENERATOR
TRANSPORTER INTL
DESIGNATED FACILITY



ANALYTICAL REPORT

Lab Number:	L1526386
Client:	FPM Group 909 Marconi Avenue Ronkonkoma, NY 11779
ATTN:	John Bukoski
Phone:	(631) 737-6200
Project Name:	DUPONT
Project Number:	1134G-15-11
Report Date:	10/23/15

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1526386-01	MW-5	OIL	BROOKYLN, NY	10/15/15 08:00	10/16/15
L1526386-02	MW-A	OIL	BROOKYLN, NY	10/15/15 08:30	10/16/15
L1526386-03	MW-15	OIL	BROOKYLN, NY	10/15/15 09:00	10/16/15
L1526386-04	RW-12	OIL	BROOKYLN, NY	10/15/15 09:30	10/16/15
L1526386-05	RW-2	OIL	BROOKYLN, NY	10/15/15 10:30	10/16/15
L1526386-06	RW-3	OIL	BROOKYLN, NY	10/15/15 11:00	10/16/15
L1526386-07	RW-10	OIL	BROOKYLN, NY	10/15/15 12:00	10/16/15

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Cristin Walker

Title: Technical Director/Representative

Date: 10/23/15

ORGANICS

PCBS

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

SAMPLE RESULTS

Lab ID: L1526386-01
Client ID: MW-5
Sample Location: BROOKYLN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 10/20/15 07:46
Analyst: JT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 10/15/15 08:00
Date Received: 10/16/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 10/19/15 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/15
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.87	0.378	1	A
Aroclor 1221	ND		mg/kg	2.87	0.441	1	A
Aroclor 1232	ND		mg/kg	2.87	0.561	1	A
Aroclor 1242	ND		mg/kg	2.87	0.586	1	A
Aroclor 1248	ND		mg/kg	1.91	0.404	1	A
Aroclor 1254	ND		mg/kg	2.87	0.393	1	A
Aroclor 1260	2.63		mg/kg	1.91	0.364	1	A
Aroclor 1262	ND		mg/kg	0.957	0.237	1	A
Aroclor 1268	ND		mg/kg	0.957	0.694	1	A
PCBs, Total	2.63		mg/kg	0.957	0.237	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	145		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

SAMPLE RESULTS

Lab ID: L1526386-02
Client ID: MW-A
Sample Location: BROOKYLN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 10/20/15 08:02
Analyst: JT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 10/15/15 08:30
Date Received: 10/16/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 10/19/15 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/15
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.81	0.370	1	A
Aroclor 1221	ND		mg/kg	2.81	0.432	1	A
Aroclor 1232	ND		mg/kg	2.81	0.550	1	A
Aroclor 1242	ND		mg/kg	2.81	0.574	1	A
Aroclor 1248	ND		mg/kg	1.88	0.396	1	A
Aroclor 1254	ND		mg/kg	2.81	0.385	1	A
Aroclor 1260	ND		mg/kg	1.88	0.357	1	A
Aroclor 1262	ND		mg/kg	0.938	0.233	1	A
Aroclor 1268	ND		mg/kg	0.938	0.680	1	A
PCBs, Total	ND		mg/kg	0.938	0.233	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

SAMPLE RESULTS

Lab ID: L1526386-03
Client ID: MW-15
Sample Location: BROOKYLN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 10/20/15 08:18
Analyst: JT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 10/15/15 09:00
Date Received: 10/16/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 10/19/15 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/15
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.79	0.367	1	A
Aroclor 1221	ND		mg/kg	2.79	0.428	1	A
Aroclor 1232	ND		mg/kg	2.79	0.545	1	A
Aroclor 1242	ND		mg/kg	2.79	0.569	1	A
Aroclor 1248	ND		mg/kg	1.86	0.392	1	A
Aroclor 1254	ND		mg/kg	2.79	0.382	1	A
Aroclor 1260	ND		mg/kg	1.86	0.354	1	A
Aroclor 1262	ND		mg/kg	0.929	0.230	1	A
Aroclor 1268	ND		mg/kg	0.929	0.674	1	A
PCBs, Total	ND		mg/kg	0.929	0.230	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

SAMPLE RESULTS

Lab ID: L1526386-04
Client ID: RW-12
Sample Location: BROOKYLN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 10/20/15 08:33
Analyst: JT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 10/15/15 09:30
Date Received: 10/16/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 10/19/15 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/15
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.86	0.377	1	A
Aroclor 1221	ND		mg/kg	2.86	0.440	1	A
Aroclor 1232	ND		mg/kg	2.86	0.559	1	A
Aroclor 1242	ND		mg/kg	2.86	0.584	1	A
Aroclor 1248	ND		mg/kg	1.91	0.402	1	A
Aroclor 1254	ND		mg/kg	2.86	0.392	1	A
Aroclor 1260	2.86		mg/kg	1.91	0.363	1	B
Aroclor 1262	ND		mg/kg	0.954	0.236	1	A
Aroclor 1268	ND		mg/kg	0.954	0.691	1	A
PCBs, Total	2.86		mg/kg	0.954	0.236	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

SAMPLE RESULTS

Lab ID: L1526386-05
Client ID: RW-2
Sample Location: BROOKYLN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 10/20/15 08:49
Analyst: JT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 10/15/15 10:30
Date Received: 10/16/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 10/19/15 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/15
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.89	0.380	1	A
Aroclor 1221	ND		mg/kg	2.89	0.444	1	A
Aroclor 1232	ND		mg/kg	2.89	0.564	1	A
Aroclor 1242	ND		mg/kg	2.89	0.589	1	A
Aroclor 1248	ND		mg/kg	1.92	0.406	1	A
Aroclor 1254	ND		mg/kg	2.89	0.396	1	A
Aroclor 1260	2.46		mg/kg	1.92	0.367	1	B
Aroclor 1262	ND		mg/kg	0.963	0.239	1	A
Aroclor 1268	ND		mg/kg	0.963	0.698	1	A
PCBs, Total	2.46		mg/kg	0.963	0.239	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

SAMPLE RESULTS

Lab ID: L1526386-06
Client ID: RW-3
Sample Location: BROOKYLN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 10/20/15 09:05
Analyst: JT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 10/15/15 11:00
Date Received: 10/16/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 10/19/15 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/15
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.80	0.369	1	A
Aroclor 1221	ND		mg/kg	2.80	0.431	1	A
Aroclor 1232	ND		mg/kg	2.80	0.548	1	A
Aroclor 1242	ND		mg/kg	2.80	0.572	1	A
Aroclor 1248	ND		mg/kg	1.87	0.394	1	A
Aroclor 1254	ND		mg/kg	2.80	0.384	1	A
Aroclor 1260	6.71		mg/kg	1.87	0.356	1	B
Aroclor 1262	ND		mg/kg	0.934	0.232	1	A
Aroclor 1268	ND		mg/kg	0.934	0.677	1	A
PCBs, Total	6.71		mg/kg	0.934	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

SAMPLE RESULTS

Lab ID: L1526386-07
Client ID: RW-10
Sample Location: BROOKYLN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 10/20/15 09:21
Analyst: JT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 10/15/15 12:00
Date Received: 10/16/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 10/19/15 15:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/15
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.96	0.390	1	A
Aroclor 1221	ND		mg/kg	2.96	0.455	1	A
Aroclor 1232	ND		mg/kg	2.96	0.578	1	A
Aroclor 1242	ND		mg/kg	2.96	0.604	1	A
Aroclor 1248	ND		mg/kg	1.97	0.416	1	A
Aroclor 1254	ND		mg/kg	2.96	0.405	1	A
Aroclor 1260	ND		mg/kg	1.97	0.376	1	A
Aroclor 1262	ND		mg/kg	0.986	0.244	1	A
Aroclor 1268	ND		mg/kg	0.986	0.715	1	A
PCBs, Total	ND		mg/kg	0.986	0.244	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8082A
 Analytical Date: 10/20/15 09:37
 Analyst: JT

Extraction Method: EPA 3580A
 Extraction Date: 10/19/15 15:40
 Cleanup Method: EPA 3665A
 Cleanup Date: 10/20/15
 Cleanup Method: EPA 3660B
 Cleanup Date: 10/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 01-07 Batch: WG832165-1						
Aroclor 1016	ND		mg/kg	2.76	0.363	A
Aroclor 1221	ND		mg/kg	2.76	0.423	A
Aroclor 1232	ND		mg/kg	2.76	0.538	A
Aroclor 1242	ND		mg/kg	2.76	0.562	A
Aroclor 1248	ND		mg/kg	1.84	0.388	A
Aroclor 1254	ND		mg/kg	2.76	0.378	A
Aroclor 1260	ND		mg/kg	1.84	0.350	A
Aroclor 1262	ND		mg/kg	0.919	0.228	A
Aroclor 1268	ND		mg/kg	0.919	0.666	A
PCBs, Total	ND		mg/kg	0.919	0.228	A

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	103		30-150	B



Lab Control Sample Analysis Batch Quality Control

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG832165-2 WG832165-3									
Aroclor 1016	62		64		40-140	3		50	A
Aroclor 1260	60		63		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		71		30-150	A
Decachlorobiphenyl	121		119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	B
Decachlorobiphenyl	119		115		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1526386-01A	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-01B	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-02A	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-02B	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-03A	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-03B	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-04A	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-04B	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-05A	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-05B	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-06A	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-06B	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-07A	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)
L1526386-07B	Vial unpreserved	A	N/A	5.0	Y	Absent	PCB-8082LL(14)

*Values in parentheses indicate holding time in days

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers



Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1526386
Report Date: 10/23/15

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.

EPA 8270D: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F,**

EPA 353.2: Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – November 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
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Michael Roux Email: mroux@rouxinc.com
Wendy A. Marsh Email: wmarsh@hancocklaw.com

FROM: Stephanie O. Davis, CPG, Vice President

DATE: December 9, 2015

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during November 2015. 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.

In recent months, interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been completed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation are included in the Remedial Investigation (RI) Report submitted to the NYSDEC in July 2015 and approved by the NYSDEC as per October 26, 2015 correspondence.

Additional soil vapor and soil vapor intrusion (SVI) testing for delineation was performed at offsite locations by FPM in accordance with a work plan approved by the NYSDEC on March 23, 2015. A Supplemental RI Report that includes the TCE delineation investigation results was submitted to the NYSDEC on August 20, 2015 and approved by the NYSDEC in October 26, 2015 correspondence.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site; wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. The results of this investigation are included in the final RI Report. FPM conducted IRM activities on November 12, 2015, including monitoring of these offsite wells for potential LNAPL contamination; no LNAPL contamination was noted.

➤ Remedial Investigation Reports

An RI Report was submitted to the NYSDEC in early July 2015 and, following revision, was approved by the NYSDEC on October 26, 2015. A Supplemental RI Report documenting the TCE delineation investigation results was submitted to the NYSDEC and, following revision, was approved by the NYSDEC on October 26, 2015. Both RI Reports were transmitted to the document repositories and the NYSDEC issued a Fact Sheet on October 28, 2015 to inform the public that the Remedial Investigations have been completed at the Site.

B. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on November 12, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event.

Additional maintenance activities were conducted to address issues associated with preparation activities for an event in the former NuHart buildings on October 31, 2015. Event preparation activities resulted in modifications to several of the monitoring wells, damage to the belt skimmers, generation of additional waste, and other IRM-related issues. Additional maintenance activities were conducted by FPM on November 4 and 12 and included cleanup and consolidation of wastes, repair and re-activation of the belt skimmers, and re-surveying of well casings that had been altered. Lists of the specific maintenance activities conducted on these dates are attached. In particular, following the October 31 event the skimmer for RW-8 was re-activated on November 4 and was found to be unplugged and was re-activated on November 12, and the skimmer for RW-12 was repaired and re-activated on November 12 and found to be not operating on November 25. As of the date of this report the skimmer for RW-12 is scheduled to be repaired and/or have the float switch adjusted on December 11 and any missing well caps will be replaced.

During the November 12 monitoring event access was provided to offsite wells MW-12 and MW-13, which are located within the Greenpoint Landing construction area. The protective manhole and well cap were noted to be missing from MW-12 and appeared to have been

removed during construction activities. Greenpoint Landing representatives were notified and specifications for the protective manhole and well cap were provided; we understand that these items will be reinstalled at MW-12 by the Greenpoint Landing construction contractor in 2016.

➤ Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted on November 12. 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. Offsite wells MW-12 and MW-13 (located within the Greenpoint Landing construction area) were accessed for the first time since June 2015; no product was noted in either well.

In November 2015 the depth to the water table decreased in nearly all of the wells relative to the level observed in October 2015; this decrease is likely due to the ongoing dry weather. Product apparent thicknesses were also noted to generally increase in the monitoring and recovery wells where product is present; this response is typical during a time of lowered water levels.

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). The total amount of LNAPL removed under the IRM during recent months (up to August 28, 2015) is 462 gallons (based on the manifest from the August 28, 2015 disposal event). Product removed from the wells and stored onsite since August 28 was estimated at 289 gallons, of which approximately 275 gallons (2,055 pounds) were removed and disposed on November 12, 2015. Based on these quantities, an estimated 831 gallons of product have been removed in recent months.

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. Waste management activities conducted prior to FPM's recent contract for IRM activities are included in the RI Report.

In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. In late April/early May 2015 DC representatives consolidated the existing wastes onsite and disposal of the drummed wastes was conducted in June 2015; information concerning the disposal of the drummed wastes by DC was provided in previous monthly reports. FPM understands, based on information from DC and our observations of the IBC tanks, that DC did not dispose of product from the IBC tanks; this product was disposed in August 2015 as described below.

In August 2015 Eastern Environmental Solutions, Inc. (Eastern) was contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. Eastern was provided with the EPA ID number for the site for waste disposal purposes and it was confirmed that the product would be disposed at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. On August 28, 2015 Eastern removed 462 gallons of product from the IBC tanks (prior to the IRM event) and transported it to the Cycle Chem facility for disposal. Routine screening for select analytes performed by Cycle Chem indicated the presence of low levels of PCBs in the product. A review of previously-obtained data for the Site did not indicate detections of PCBs or

a potential PCB source. The product was classified as non-TSCA regulated hazardous waste (U028 and U107) and disposed. The final manifest from this disposal event was attached to the October 2015 monthly report.

Sampling was conducted on September 14 and October 15, 2015 to evaluate the PCB detections reported for the product, as discussed in the October 2015 monthly report. The data from these two sampling events demonstrated that PCBs may be present in a limited portion of the onsite product plume near the southwest side of the Site and extending offsite to MW-5, which directly adjoins the southwest side of the Site. The testing provided sufficient information to allow for segregation of product containing PCBs from product that does not contain PCBs. One additional sample (RW-4) was collected on November 12, 2015 to complete the delineation of PCBs in the product. The results were received on November 23 (laboratory report is attached) and demonstrate that PCBs are not present in the product in well RW-4.

On November 12, 2015 Eastern removed additional product (2,055 pounds, estimated 275 gallons) from the IBC tank containing the product with low levels of PCBs and transported it to the Cycle Chem facility for disposal. The product was classified as non-TSCA regulated hazardous waste (U028 and U107) and disposed. The final manifest from this disposal event will be provided in a future monthly report.

We understand that all wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports following the months during which waste disposal activities occur.

C. Feasibility Study

FPM was engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. FS preparation was continued in November 2015. As previously discussed, the FS is scheduled to be completed within two months of the completion of investigation activities from which information is needed to define the nature and extent of Site-related impacts. The last investigation activities (utilities survey and PCB testing) were completed in November 2015. As of the date of this report a draft of the FS is in internal review; we anticipate the FS report will be provided to the NYSDEC in December.

➤ Test Pit Activity

A test pit was conducted to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information has been used in the development of the FS. The test pit was performed on March 12, 2015 and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015, submitted to the NYSDEC on May 28, 2015 and approved by the NYSDEC on August 14, 2015.

➤ Utilities Survey

On May 7, 2015 FPM was authorized to obtain a survey of the underground utilities in the Site vicinity, including utility locations, depth information, and construction information. This work was performed by the Subsurface Utilities Division of BL Companies (BL) and the results were used to assess LNAPL migration and remediation issues in the FS. BL initiated work (utility map review) in May 2015 and conducted onsite markout activities in June and July 2015. In mid-June FPM was authorized to add a survey of the Site-related wells to the scope of work such that a comprehensive survey of the well elevations relative to the same datum would be available. Marking out of the utilities was completed in July and surveying was conducted in August. Additional onsite surveying work was completed in October 2015 and the survey was completed in early November 2015.

D. Meetings and NYSDEC Communication

The NYSDEC participated in periodic informal progress calls for informational purposes during November. Project representatives met with community representatives in early November and a public meeting was held on November 3. 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
Maintenance activity lists
Laboratory Report #L1529769

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

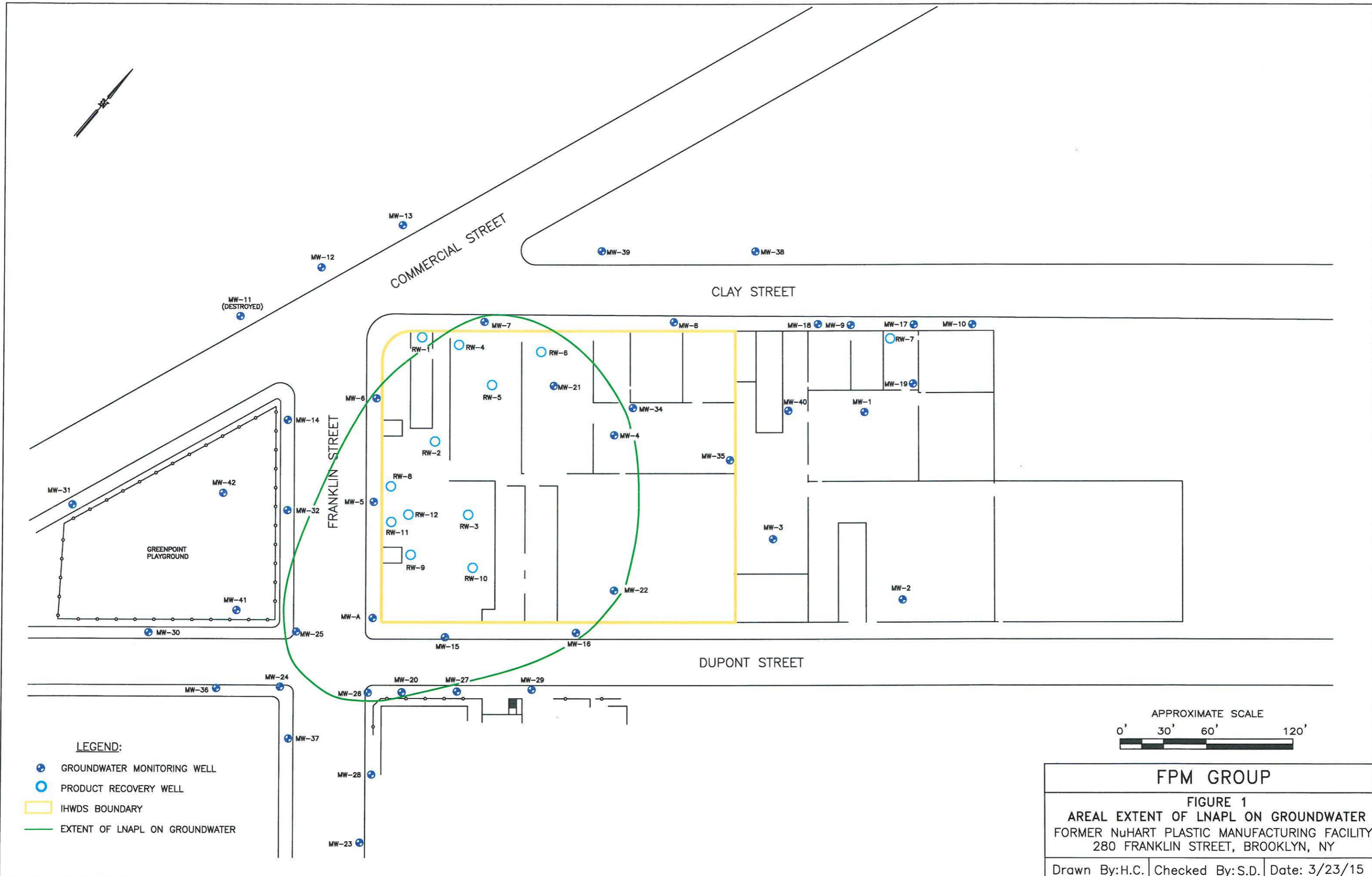
Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																																		
			Nov-15	Oct-15	Sep-15	Aug-15	Jul-15	Jun-15	May-15	Apr-15	Mar-15	Jan. 2015	Sept. 2014	Aug. 2014	Jul-14	Jun-14	May-14	Apr. 2014	Mar. 2014	Feb. 2014	Jan. 2014	Dec. 2013	Nov. 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	11.77	13.81	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	10.18	15.59	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	9.31	—	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14		
MW-7	9.38	12.69	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	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	ND	ND	
MW-12	ND	7.62	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	
MW-13	ND	7.78	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-14	ND	9.00	ND	ND	ND	ND	ND	ND	ND	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	10.82	13.89	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	11.61	11.63	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	10.87	13.89	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	11.73	15.58	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	12.62	13.63	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	11.58	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	ND	ND	ND	ND	ND	ND	ND	ND	
MW-24	ND	10.73	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	ND	
MW-25	10.53	14.06	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	10.56	14.64	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	10.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-28	ND	11.32	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	NI	NI	NI	
MW-29	ND	11.59	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	NI	NI	NI	NI	
MW-30	ND	10.16	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	
MW-31	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	
MW-32	ND	10.19	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	
MW-34	ND	12.05	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	
MW-35	ND	15.03	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	
MW-36	ND	10.98	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-37	ND	11.41	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-38	ND	9.44	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	ND	9.16	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-40	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	
MW-41	ND	10.11	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	9.38	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
RW-1	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
RW-2	—	—	—	2.64	2.97	3.41	5.54	5.28	5.44	2.82	4.19	4.52	4.52	4.53	4.52	0.11	—	1.30	3.05	2.31	2.80	3.19	5.09	3.86	##	4.07	2.96	2.92	3.48	3.75	4.20	2.52	1.92	1.50	5.85		
RW-3	15.47	18.39	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	12.51	14.82	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	12.19	17.83	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	12.37	13.02	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	13.65	18.02	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	4.92	4.88	3.08	##	4.09	2.71	4.40	2.62	3.11	3.50	3.08	3.83	2.98	5.33		
RW-10	13.45	18.77	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	13.68	18.07	4.39	3.59	3.24	3.62	3.43	3.66	3.67	3.00	3.87	3.97	4.43	4.42	4.46	3.87	—	2.03	2.54	2.59	3.66	4.27	5.48	2.65	##	3.91	3.49	3.15	2.67	3.11	3.50	2.93	4.49	2.58	4.40		
RW-12**	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Notes:

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

= LNAPL observed, apparent thickness not determined

NI = Not installed



COMMERCIAL STREET

CLAY STREET

FRANKLIN STREET

DUPONT STREET

GREENPOINT PLAYGROUND

MW-11 (DESTROYED)

MW-12
MW-13

MW-39
MW-38

MW-18
MW-9
MW-17
MW-10

MW-7
MW-8
RW-1
RW-4
RW-6
RW-5
MW-21
MW-4
MW-34
MW-40
MW-19
RW-7
MW-1
MW-3
MW-35
MW-2
MW-22
MW-15
MW-16

MW-31
MW-42
MW-32
MW-14
MW-5
MW-6
RW-8
RW-12
RW-11
RW-9
RW-10
MW-A
MW-30
MW-25

MW-24
MW-20
MW-27
MW-29
MW-26
MW-28
MW-23
MW-36
MW-37

**FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136**

Activities conducted by FPM personnel on Wednesday November 4, 2015:

- Moved the 55-gallon drum back into position for the RW-12 product skimmer;
- Cleaned up the product on the cement floor around the drum and RW-12. Stored spent clean-up materials in a labeled container pending offsite disposal;
- Removed approximately 45 gallons of product from the RW-12 drum and transferred it to the active onsite storage tote. Checked and updated tote labels;
- Plugged in the RW-8 product skimmer and left it running;
- Placed the stained curtains that were piled on the floor near the product totes into 16 black garbage bags and one 55-gallon drum and properly labeled the bags and drum;
- Visually inspected building interior for potential product releases;
- Moved a 5-gallon bucket and bailers from the vicinity of the petroleum spill area to the tote area (the onsite waste storage area). Transferred the small amount of product in the bucket to a tote; and
- Bolted down all site-related monitoring well covers that were missing bolts.

**FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136**

Activities conducted by FPM personnel on Thursday November 12, 2015:

- Reconnected the wiring for the RW-12 product skimmer and plugged in the RW-12 and RW-8 product skimmers and left them running;
- Removed approximately 20 gallons of product from the RW-8 drum and transferred it to the active onsite storage tote. Checked and updated tote labels;
- Removed approximately 15 gallons of product from monitoring and recovery wells and transferred it to the active onsite storage tote;
- Transferred approximately 25 gallons of product from an unlabelled 55-gallon drum in the tote area into an active onsite storage tote;
- Monitored all of the wells onsite and offsite. Well MW-31 was inaccessible due to a pile of garbage covering the well and well MW-40 was inaccessible due to a dumpster covering the well;
- Monitored wells MW-12 and MW-13 at the adjoining Greenpoint Landing construction site. Well MW-12 needs a new manhole and cover;
- Wells RW-1 and RW-2 were inaccessible because plywood had been placed over the wells and nailed to the floor. FPM will bring additional equipment to remove the plywood during the next monitoring event;
- Collected a product sample from well RW-4 to be analyzed for PCBs;
- Surveyed wells RW-4, RW-5, RW-6, MW-4, and MW-34;
- FPM looked for but was unable to find the five-gallon bucket containing the liquid cleaned up by Roux on November 4, 2015;
- Eastern removed the product from the full onsite storage tote for proper disposal offsite;
- FPM noted that power to the overhead door near the tote area had been disconnected. We were unable to reconnect the power;
- Visually inspected building interior for potential product releases;
- Observed that the carpeting from the 10/31/15 event had been removed; and
- Bolted down the remaining site-related monitoring well covers that were missing bolts.



ANALYTICAL REPORT

Lab Number:	L1529769
Client:	FPM Group 909 Marconi Avenue Ronkonkoma, NY 11779
ATTN:	George Holmes
Phone:	(631) 737-6200
Project Name:	DUPONT
Project Number:	1134G-15-11
Report Date:	11/23/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1529769-01	RW-4	OIL	BROOKLYN, NY	11/12/15 12:00	11/13/15

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

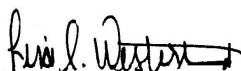
Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Lisa Westerlind

Title: Technical Director/Representative

Date: 11/23/15

ORGANICS

PCBS

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

SAMPLE RESULTS

Lab ID: L1529769-01
Client ID: RW-4
Sample Location: BROOKLYN, NY
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 11/21/15 18:10
Analyst: JT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 11/12/15 12:00
Date Received: 11/13/15
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 11/21/15 08:59
Cleanup Method: EPA 3665A
Cleanup Date: 11/21/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.78	0.366	1	A
Aroclor 1221	ND		mg/kg	2.78	0.428	1	A
Aroclor 1232	ND		mg/kg	2.78	0.544	1	A
Aroclor 1242	ND		mg/kg	2.78	0.568	1	A
Aroclor 1248	ND		mg/kg	1.86	0.391	1	A
Aroclor 1254	ND		mg/kg	2.78	0.381	1	A
Aroclor 1260	ND		mg/kg	1.86	0.353	1	A
Aroclor 1262	ND		mg/kg	0.928	0.230	1	A
Aroclor 1268	ND		mg/kg	0.928	0.672	1	A
PCBs, Total	ND		mg/kg	0.928	0.230	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 1,8082A
 Analytical Date: 11/21/15 18:23
 Analyst: JT

Extraction Method: EPA 3580A
 Extraction Date: 11/21/15 08:59
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/21/15
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 01 Batch: WG843146-1						
Aroclor 1016	ND		mg/kg	2.97	0.391	A
Aroclor 1221	ND		mg/kg	2.97	0.456	A
Aroclor 1232	ND		mg/kg	2.97	0.580	A
Aroclor 1242	ND		mg/kg	2.97	0.605	A
Aroclor 1248	ND		mg/kg	1.98	0.417	A
Aroclor 1254	ND		mg/kg	2.97	0.406	A
Aroclor 1260	ND		mg/kg	1.98	0.377	A
Aroclor 1262	ND		mg/kg	0.989	0.245	A
Aroclor 1268	ND		mg/kg	0.989	0.717	A
PCBs, Total	ND		mg/kg	0.989	0.245	A

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	150		30-150	B



Lab Control Sample Analysis

Batch Quality Control

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 01 Batch: WG843146-2 WG843146-3									
Aroclor 1016	61		59		40-140	3		50	A
Aroclor 1260	57		58		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		62		30-150	A
Decachlorobiphenyl	69		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		69		30-150	B
Decachlorobiphenyl	150		152	Q	30-150	B

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1529769-01A	Vial unpreserved	A	N/A	2.3	Y	Absent	PCB-8082LL(14)
L1529769-01B	Vial unpreserved	A	N/A	2.3	Y	Absent	PCB-8082LL(14)

*Values in parentheses indicate holding time in days

Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers



Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: DUPONT
Project Number: 1134G-15-11

Lab Number: L1529769
Report Date: 11/23/15

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 8260C: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; Iodomethane (methyl iodide) (soil); Methyl methacrylate (soil); Azobenzene.

EPA 8270D: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC,

SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F,**

EPA 353.2: Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

FORMER NUHART PLASTIC MANUFACTURING SITE
280 FRANKLIN STREET, BROOKLYN, NY
NYSDEC SITE #224136

PROJECT STATUS REPORT – December 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
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Michael Roux Email: mroux@rouxinc.com
Wendy A. Marsh Email: wmarsh@hancocklaw.com

FROM: Stephanie O. Davis, CPG, Vice President

DATE: January 7, 2016

This status report provides a summary of activities conducted at the Former Nuhart Plastic Manufacturing Site (Site) during December 2015. 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.

In recent months, interim remedial measure (IRM) activities for monitoring and removal of light non-aqueous-phase liquid (LNAPL) at the Site have been performed in general conformance with the NYSDEC-approved Operation, Maintenance and Monitoring Plan (OM&M Plan) for the product recovery system, dated March 2012 and revised August 2012, except as noted below. In addition, investigation activities at the Site have been completed in general conformance with the NYSDEC-approved November 2011 Remedial Investigation Work Plan (RIWP) and subsequent NYSDEC-approved work plans. Additional activities are planned or underway, as discussed below.

A. Investigation Activities

➤ Delineation of TCE Contamination

A TCE delineation investigation was performed at onsite and offsite locations in September 2014, following a NYSDEC-approved work plan. The results of this investigation are included in the Remedial Investigation (RI) Report submitted to the NYSDEC in July 2015 and approved by the NYSDEC as per October 26, 2015 correspondence.

Additional soil vapor and soil vapor intrusion (SVI) testing for delineation was performed at offsite locations by FPM in accordance with a work plan approved by the NYSDEC on March 23, 2015. A Supplemental RI Report that includes the TCE delineation investigation results was submitted to the NYSDEC on August 20, 2015 and approved by the NYSDEC in October 26, 2015 correspondence.

➤ Delineation of Offsite LNAPL Contamination

Monitoring wells were installed and sampled and soil samples collected at four offsite locations to the west and southwest of the Site; wells MW-36 and MW-37 are located in the sidewalks near the southwestern corner of the Dupont Street and Franklin Street intersection and MW-41 and MW-42 are located within the Greenpoint Playground to the west of the Site. No significant signs of contamination were noted during fieldwork and sampling activities, and no significant VOCs or SVOCs were detected in soil samples. The results of this investigation are included in the final RI Report. FPM conducted IRM activities on December 11, 2015, including monitoring of these offsite wells for potential LNAPL contamination; no LNAPL contamination was noted.

➤ Remedial Investigation Reports

An RI Report was submitted to the NYSDEC in early July 2015 and, following revision, was approved by the NYSDEC on October 26, 2015. A Supplemental RI Report documenting the TCE delineation investigation results was submitted to the NYSDEC and, following revision, was approved by the NYSDEC on October 26, 2015. Both RI Reports were transmitted to the document repositories and the NYSDEC issued a Fact Sheet on October 28, 2015 to inform the public that the Remedial Investigations have been completed at the Site.

B. Interim Remedial Measure Activities

Monthly IRM routine activities were conducted by FPM on December 11, 2015. 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 and containment of spent IRM-related absorbent materials in the vicinity of recovery wells, placing new absorbent materials around the base of recovery wells as needed to contain product, and proper labeling of waste containers used during this IRM event.

Additional maintenance activities were conducted to address issues associated with preparation activities for an event in the former NuHart buildings on October 31, 2015. Event preparation activities resulted in modifications to several of the monitoring wells, damage to the belt skimmers, generation of additional waste, and other IRM-related issues. Additional maintenance activities were previously conducted by FPM and are documented in the November 2015 Project Status Report. During the December 11, 2015 monitoring event it was determined that the skimmer for RW-12 was operational and the containment drum was full, although the skimmer's electrical cord had been removed for use elsewhere onsite. The skimmer was serviced, its power was restored, and it was left operating. FPM also restored access to two wells (RW-1 and RW-2) that had been secured for the event, re-surveyed the top of casing elevations for these wells, and installed new caps on several wells. During a site visit by Roux representatives on December 14 it was noted that the electrical cord had again been removed from the RW-12 skimmer. The cord was located and re-installed, and the skimmer was left operating. FPM notified Dupont Street Developers regarding the need to keep the skimmers operating and not to remove the electrical cords.

➤ Monitoring and Product Removal

Gauging of all onsite and offsite monitoring and recovery wells associated with the Site was conducted on December 11, 2015. 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. Offsite wells MW-12 and MW-13 (located within the Greenpoint Landing construction area) were accessed and no product was noted in either well.

In December 2015 the depth to the water table increased in nearly all of the wells relative to the level observed in November 2015; the continuing decline in the water table is likely due to the ongoing dry weather. Product apparent thicknesses were also noted to generally increase in the monitoring and recovery wells where product is present; this response is typical during a time of lowered water levels.

The total amount of LNAPL removed from the wells during this event is estimated as 100 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). The total amount of LNAPL removed up to August 28, 2015 was 462 gallons (based on the manifest from the August 28, 2015 disposal event). Product removed from the wells and stored onsite since August 28 was estimated at 369 gallons, of which approximately 275 gallons (2,055 pounds) were removed and disposed on November 12, 2015. Based on these quantities, an estimated 931 gallons of product have been removed from the subsurface in recent months, with approximately 194 gallons of product remaining stored onsite.

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. Waste management activities conducted prior to FPM's March 2015 contract for IRM activities are included in the RI Report. It was recently noted that two of the IBC tanks are damaged. These tanks are empty and it is planned to clean and dispose of the tanks.

In April 2015 Don Carlo Environmental Services, Inc. (DC) was contracted to conduct waste management activities for the Site; DC was provided with the EPA ID number for the site for waste disposal purposes. In late April/early May 2015 DC representatives consolidated the existing wastes onsite and disposal of the drummed wastes was conducted in June 2015; information concerning the disposal of the drummed wastes by DC was provided in previous monthly reports. FPM understands, based on information from DC and our observations of the IBC tanks, that DC did not dispose of product from the IBC tanks; this product was disposed in August 2015 as described below.

In August 2015 Eastern Environmental Solutions, Inc. (Eastern) was contracted to conduct waste management activities for disposal of product from the IBC tanks at the Site. Eastern was provided with the EPA ID number for the site for waste disposal purposes and it was confirmed that the product would be disposed at the Cycle Chem facility in Elizabeth, NJ as hazardous waste. On August 28, 2015 Eastern removed 462 gallons of product from the IBC tanks (prior to the IRM event) and transported it to the Cycle Chem facility for disposal. Routine screening for select analytes performed by Cycle Chem indicated the presence of low levels of PCBs in the product. A review of previously-obtained data for the Site did not indicate detections of PCBs or

a potential PCB source. The product was classified as non-TSCA regulated hazardous waste (U028 and U107) and disposed. The final manifest from this disposal event was attached to the October 2015 monthly report.

Sampling was conducted between September and November 2015 to evaluate the PCB detections reported for the product, as discussed in the October and November 2015 monthly reports. The data from these sampling events demonstrated that PCBs may be present in a limited portion of the onsite product plume near the southwest side of the Site and extending offsite to MW-5, which directly adjoins the southwest side of the Site. The testing provided sufficient information to allow for segregation of product containing PCBs from product that does not contain PCBs.

On November 12, 2015 Eastern removed additional product (2,055 pounds, estimated 275 gallons) from the IBC tank containing the product with low levels of PCBs and transported it to the Cycle Chem facility for disposal. The product was classified as non-TSCA regulated hazardous waste (U028 and U107) and disposed. The final manifest from this disposal event will be provided in a future monthly report.

We understand that all wastes from the Site will be transported and disposed in accordance with applicable regulations, with manifests to document disposal. Waste transport and disposal information will be included in the progress reports following the months during which waste disposal activities occur.

C. Feasibility Study

FPM was engaged to prepare an FS for the Site, to include evaluations of potential remedial methods to address onsite and offsite Site-related contamination. A draft of the FS was in internal review in December 2015; as of the date of this report we anticipate the FS report will be provided to the NYSDEC in January 2016.

➤ Test Pit Activity

A test pit was conducted to further evaluate the depth to the top of the LNAPL and its actual thickness in the subsurface; this information has been used in the development of the FS. The test pit was performed on March 12, 2015 and the Test Pit Report was submitted to the NYSDEC on March 26, 2015. This report was revised in April 2015, submitted to the NYSDEC on May 28, 2015 and approved by the NYSDEC on August 14, 2015.

➤ Utilities Survey

On May 7, 2015 FPM was authorized to obtain a survey of the underground utilities in the Site vicinity, including utility locations, depth information, and construction information. This work was performed by the Subsurface Utilities Division of BL Companies (BL) and the results were used to assess LNAPL migration and remediation issues in the FS. BL initiated work (utility map review) in May 2015 and conducted onsite markout activities in June and July 2015. In mid-June FPM was authorized to add a survey of the Site-related wells to the scope of work such that a comprehensive survey of the well elevations relative to the same datum would be available. Marking out of the utilities was completed in July and surveying was conducted in August. Additional onsite surveying work was completed in October 2015 and the survey was completed in early November 2015. The NYSDEC was provided with a copy of the survey on December 14,

2015, as requested.

D. Meetings and NYSDEC Communication

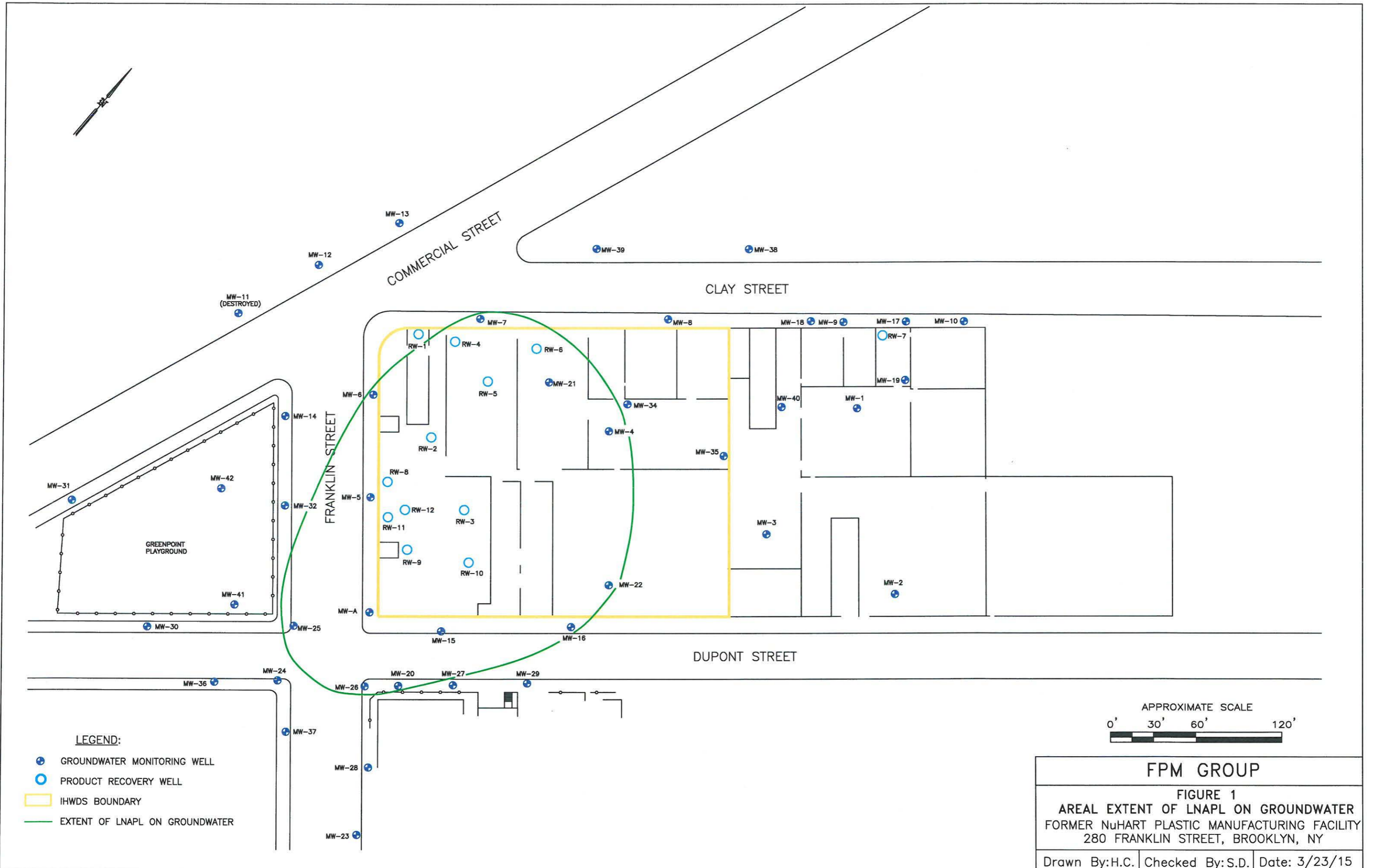
The NYSDEC participated in a periodic informal progress call for informational purposes on December 21, 2015. Issues discussed included the FS schedule, cleaning and disposal of the two damaged IBC tanks, potential RCRA closure issues, and the skimmer operations. Communication on Site-related technical 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

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COMMERCIAL STREET

CLAY STREET

FRANKLIN STREET

DUPONT STREET

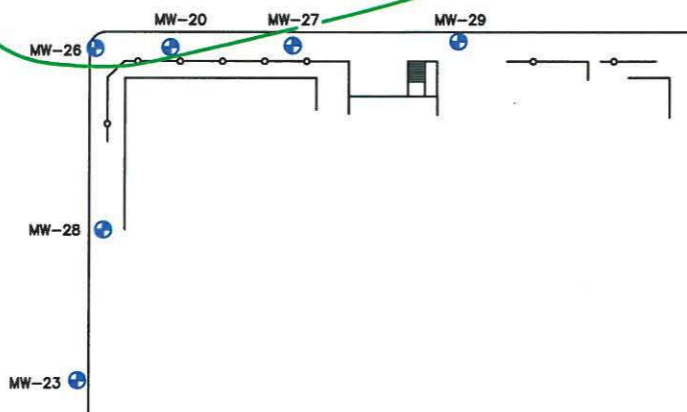
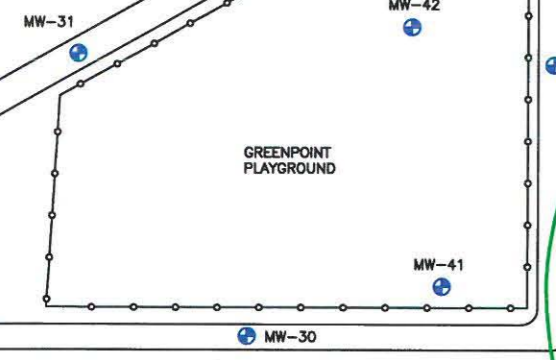
GREENPOINT PLAYGROUND

MW-11 (DESTROYED)

MW-12
MW-13

MW-39
MW-38

MW-18
MW-9
MW-17
MW-10



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

Well Number	* Depth to Product (feet)	* Depth to Water (feet)	Apparent Thickness of LNAPL (feet)																																			
			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	11.84	13.80	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	10.28	15.11	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	9.35	—	##	##	##	##	##	##	2.30	##	##	##	##	##	##	##	##	—	—	2.84	3.43	—	2.89	2.76	2.00	##	2.42	2.82	—	—	—	—	—	—	3.49	2.14		
MW-7	9.48	12.92	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	10.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-12	ND	7.89	ND	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-13	ND	8.08	ND	ND	—	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-14	ND	9.15	ND	ND	ND	—	—	—	ND	ND	ND	ND	—	ND	—	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-15	10.97	14.05	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	11.69	11.80	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	10.99	14.51	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	11.87	16.33	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	12.67	14.00	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	11.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	10.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-25	10.63	14.31	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	10.68	14.91	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	11.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND	
MW-28	ND	11.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI
MW-29	ND	11.71	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	NI	NI	NI	NI
MW-30	ND	10.29	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
MW-31	ND	9.61	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
MW-32	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	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-34	ND	12.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-35	ND	15.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-36	ND	11.11	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-37	ND	11.53	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-38	ND	9.49	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
MW-39	ND	9.23	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
MW-40	ND	7.66	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
MW-41	ND	10.22	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
MW-42	ND	9.51	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
RW-1	ND	9.24	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	12.39	16.67	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	15.53	19.80	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	12.59	15.41	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	12.07	14.03	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	12.49	13.26	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	13.78	18.40	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	13.57	18.03	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	13.80	18.45	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		