Curley, Ruth E (DEC)

From: Ryan Wohlstrom <RWohlstrom@Langan.com>
Sent: Wednesday, September 26, 2018 5:10 PM
To: Curley, Ruth E (DEC)
Subject: RE: C203077 - Enclave on 241st Street Development: LNAPL Extraction
Attachments: report.C203077.2018-09-20 Daily Report.pdf

Hi Ruth,

Please see attached daily site observation report that summarizes our first LNAPL extraction event (using VEFR). Please review and let me know if you have any questions.

Please note that we plan to be onsite again in the last week of October to complete the second extraction event.

Best,
-Ryan

Ryan J. Wohlstrom
Senior Project Manager
Direct: 203.784.3069
Mobile: 203.464.2731
File Sharing Link

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From: Curley, Ruth E (DEC) [mailto:ruth.curley@dec.ny.gov]
Sent: Tuesday, September 18, 2018 2:12 PM
To: Ryan Wohlstrom
Cc: Curley, Ruth E (DEC)
Subject: RE: C203077 - Enclave on 241st Street Development: LNAPL Extraction

Ryan

Thank you for letting me know.

How long do you plan to be on-site, and when do you think you will do a second round?

Ruth
Ruth Curley
Professional Engineer 1 (Environmental)

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From: Ryan Wohlstrom [mailto:RWohlstrom@Langan.com]
Sent: Tuesday, September 18, 2018 9:15 AM
To: Curley, Ruth E (DEC) <ruth.curley@dec.ny.gov>
Cc: Komoroske, Michael (DEC) <michael.komoroske@dec.ny.gov>
Subject: C203077 - Enclave on 241st Street Development: LNAPL Extraction

Good morning Ruth,

Please be advised that the first of two LNAPL extraction events (using VEFR) will be implemented this Thursday (9/20). Please let me know if you have any questions.

Best,
-Ryan

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SITE OBSERVATION REPORT

PROJECT No.:	140115301	**CLIENT:** Enclave on 241 Street, LLC	**DATE:** 9/20/2018
PROJECT:	Enclave on 241st Street Development		**WEATHER:** Mostly Cloudy, 70's
LOCATION:	714 East 241st Street, Bronx, NY		**TIME:** 7:30 am – 2:15 pm
CONTRACTOR:	Environmental Industrial Services Corp. (EISCO)		**LANGAN REP. :** Matt Wenrick

CONTRACTOR'S EQUIPMENT: Vac-Truck	**PRESENT AT SITE:** **Day 007** **Langan:** Matt Wenrick, Vikki Hon **EISCO:** Alex Czaplicki

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan is onsite to execute activities outlined in the Light Non-Aqueous Phase Liquid (LNAPL) Extraction Work Plan (dated 23 August 2018), which was approved by the New York State Department of Environmental Conservation (NYSDEC) in a letter dated 31 August 2018.

SITE ACTIVITIES:

1) M. Wenrick onsite at 7:55 to clear area and set up for Vacuum Enhanced Fluid Extraction (VEFR) event. Equipment unloaded and staged near MW-29. Workplan activities began by taking headspace VOC readings in well (~232 ppm) and gauging depth to product (9.14 feet btoc) and depth to water (9.38 feet btoc). Product thickness on arrival was 0.24 feet.
2) V. Hon onsite at 8:30 to assist with VEFR and execution of work plan. Strategy was discuss and determined that draw down testing would be most efficiently executed if performed after VEFR, as bail down of LNAPL may cause break in LNAPL continuity and reduce capability of VEFR. For equipment setup see photos 1 and 2.
3) EISCO vacuum truck driver/operator Alex Czaplicki onsite at 9:30. Vacuum truck connected to knock-out pot and wellhead assembly. "Stinger" drop-tube set at approximately one foot above product level. Vacuum applied and leaks were address. Gate valve was slowly opened until a vacuum of 12-14 inches of mercury was applied to the wellhead.
4) Extraction started at a minimal flow while maintaining a high LNAPL to water ratio of extraction. Extraction rate was measured using the knockout pot. Stinger tube was periodically moved down to create extraction continuity.
5) Vacuum stopped at 12:22. Vacuum truck gauged and calculated to have extracted a total of 5-10 gallons of fluid (primarily LNAPL). The low extraction volume was intentional to prevent a break in the NAPL surface tension that could reduce the effectiveness of the second product recovery event scheduled in late October.
6) EISCO offsite at 13:00.
7) Wellhead disassembled and product/water level gauged. No measurable thickness remained. Water level at 9.38 feet btoc. Bailer used to visually sample well. Product appeared to be emulsified in water.
8) At 12:22, draw-down testing began by continually measuring well recharge. No measurable product returned after one hour. Testing stopped at 13:48.
9) Site demobilized and Langan offsite at 14:30.

Cc:	Ryan J. Wohlstrom, Jamie P. Barr	By:	Matthew Wenrick **LANGAN**

SITE PHOTOGRAPHS:

Photo 1: Wellhead assembly on stinger drop tube

Photo 2: Knockout pot used to fluid recovery flow rate measurements

Cc:	Ryan J. Wohlstrom, Jamie P. Barr	By:	Matthew Wenrick
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Photo 3: Location of MW-29 by outside corner of building

Photo 4: Fluid collected in knockout pot

Cc:	Ryan J. Wohlstrom, Jamie P. Barr	By:	Matthew Wenrick
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Photo 5: Bailer used to visually inspect well water for remaining product after VEFR

Cc:	Ryan J. Wohlstrom, Jamie P. Barr	By:	Matthew Wenrick
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