

Harry Warner, PE
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New York State Department of Environmental Conservation
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Subject:
Proposed Confirmatory Soil Borings
Cold Springs Terminals
Hillside Road, Lysander, New York

ENVIRONMENT

Dear Mr. Warner:

Date:
June 29, 2018

Following up on our conversation from June 22, 2018, the attached Figure 1 proposes nine soil borings across the Southern Terminals. The purpose of these borings is to confirm the Laser Induced Fluorescence (LIF) findings in this area of the site and also to enhance the understanding of impacts in these areas. For your reference, the LIF findings are also summarized on the attached Figure 1.

Contact:
Vin Maresco

Additional detailed findings from the May 2018 LIF data collection, including LIF boring logs, will be provided to the New York State Department of Environmental Conservation in the future. The May 2018 LIF data are summarized on Figure 1 so that you may evaluate the proposed nine boring locations.

Phone:
315 671 9256

This set of confirmatory borings are proposed, and will be sampled in accordance with the February 21, 2018 work plan. Pending your input on these proposed locations, the field work will be scheduled. Field execution timing will also be based on contractor availability.

Email:
vin.maresco@arcadis.com

If you have any questions or require additional information, please call me at 315.671.9256.

Our ref:
B0090004.0008

Sincerely,

Arcadis NA.



Vincent S. Maresco, PG
Principal Geologist/Project Manager

Harry Warner, PE
New York State Department of Environmental Conservation
June 29, 2018


Copies:

Michael Belveg, NYSDEC
Krista Manley, Buckeye
John Frankenthal, BP
Michale Teeling, Woodard Curren

Attachment:

Figure 1 – 2018 LIF based NAPL Detections with Proposed Confirmatory Borings






LEGEND:

- LASER INDUCED FLUORESCENT (LIF) LOCATION
- MONITORING WELL
- PIEZOMETER
- UVOST/CPT
- SOIL BORING
- FORMER AST
- FENCE
- RETAINING WALL
- EDGE OF WATER
- EDGE OF BANK
- PROPOSED CONFIRMATORY SOIL BORING
- NO NAPL DETECTED
- TRACE NAPL DETECTED
- NAPL DETECTED
- HIGHEST INDICATION OF NAPL DETECTED

- NOTES:**
- BASE MAP REFERENCE: "SITE MAP MONITORING WELLS" BY GROUNDWATER & ENVIRONMENTAL SERVICES, INC. (GES), DATED 9-30-2015.
 - SURVEY INFORMATION:
 - LOCATION OF SOIL BORINGS (B101-B110 AND B112-B118) AND PIEZOMETERS (PZ101-PZ106) WERE SURVEYED ON APRIL 26, 2016 AND SOIL BORINGS (B119-B121) WERE SURVEYED ON AUGUST 29, 2016 BY C.T. MALE.
 - LOCATION OF MONITORING WELLS (MW-201-MW-210), LIF (1-20), AND SOIL BORINGS (B122-B125) WERE SURVEYED ON JUNE 7, 2018.
 - AST = ABOVE GROUND STORAGE TANK.
 - THE NAPL RESPONSES FOR EACH LIF LOCATION ARE BASED ON MAY 2018 GROUNDWATER DATA.




GRAPHIC SCALE

HILLSIDE ROAD, COLD SPRINGS TERMINALS
LYSANDER, NEW YORK

**SUPPLEMENTAL CHARACTERIZATION AND
INTERIM REMEDIAL ACTION WORK PLAN**

**2018 LIF BASED NAPL DETECTIONS
WITH PROPOSED
CONFIRMATORY BORINGS**



Design & Consultancy
for natural and
built assets

FIGURE

1