

September 5, 2019

Mr. Sarken Dressler
New York State Department of Environmental Conservation
Division of Environmental Remediation
Region 1
50 Circle Road
Stony Brook, New York 11790

Re: Deep Groundwater Investigation Work Plan
250 East Main Street, LLC
250 East Main Street, Bay Shore, New York
NYSDEC Site No. C152245

Dear Mr. Dressler:

On behalf of 250 East Main Street, LLC (250 East Main Street), Roux Environmental Engineering and Geology, D.P.C. (Roux) has prepared this Deep Groundwater Investigation Work Plan (DGIWP) for the site located at 250 East Main Street (Tax Lot 69-001, Block 1), Bay Shore, New York (Site). The Site is enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program as Site No. C152245. The purpose of this Deep Groundwater Investigation (DGWI) is to further delineate (horizontally and vertically) the tetrachloroethene (PCE) and trichloroethene (TCE) exceedances that were identified in groundwater during the Remedial Investigation (RI), the Supplemental Remedial Investigation (SRI), and the Additional Supplemental Remedial Investigation (ASRI) completed at the Site.

Background

RI field activities were conducted from June 21, 2018 through July 10, 2018, in accordance with the final Remedial Investigation Work Plan (RIWP), dated June 14, 2018. The laboratory analytical results from the RI were provided to the NYSDEC in the June and July monthly progress reports, dated July 10, 2018 and August 23, 2018, respectively. SRI field activities were conducted from November 19, 2018 through November 20, 2018, in accordance with the Supplemental Remedial Investigation Work Plan (SRIWP), dated October 5, 2018. The laboratory analytical results from the SRI were provided to the NYSDEC in the November/December monthly progress report, dated January 14, 2019. ASRI field activities were conducted from April 3, 2019 through April 4, 2019, in accordance with the Additional Supplemental Remedial Investigation Work Plan (ASRIWP), dated February 20, 2019. The laboratory analytical results from the ASRI were provided to the NYSDEC in the March/April monthly progress report, dated May 10, 2019. The scope of work included herein is in accordance with the discussions on June 10, 2019 between NYSDEC, Roux, and Certilman Balin.

Scope of Work

The DGWI Scope of Work includes the completion of two vertical groundwater profile borings (DGW-1 and DGW-2) at the Site. The proposed locations are shown on Figure 1. Prior to advancement, each boring location will be pre-cleared to five feet below land surface (ft bls) using non-intrusive methods such as hand tools and vacuum excavation, to verify the absence of utilities and/or other subsurface features. Each soil boring will be advanced by utilizing a GeoProbe® Direct-Push Drill Rig.

Each boring will first be advanced to a maximum depth of 50 ft bls. Groundwater grab samples will then be collected by utilizing the GeoProbe® groundwater sampling system. This system utilizes an expendable drive point and drop-out well screen that can be set at a desired interval to allow for discrete groundwater sampling. The groundwater grab samples at DGW-1 will be collected in continuous five-foot intervals, working upwards from a maximum depth of 50 ft bls to 25 ft bls. The groundwater grab samples at DGW-2 will be collected in continuous five-foot intervals, working upwards from a maximum depth of 50 ft bls to a depth of five ft bls. Prior to sample collection, each five-foot interval will be purged to remove standing water and sediment. Each groundwater grab sample will be collected and analyzed for volatile organic compounds (VOCs) per the USEPA Method 8260. Once all groundwater grab samples have been collected from each boring, the boreholes will be backfilled with cement-bentonite grout to surface.

Roux will provide the results of the DGWI to the NYSDEC in the monthly progress report following completion of the DGWI. Roux is prepared to implement the proposed Scope of Work within 30 days of the NYSDEC's approval of this DGWIWP. The proposed Scope of Work is estimated to be completed in approximately one day. If you have any questions or need additional information, please do not hesitate to contact the undersigned at (631) 232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Noelle Clarke, P.E.
Principal Engineer

Attachments

cc: Peter O'Hara, 250 East Main Street, LLC
Barry Cohen, Certilman Balin Adler & Hymen, LLP
Walter Parish, NYSDEC
Joseph Duminuco, Roux
Ronald Lombino, Roux

Deep Groundwater Investigation Work Plan
250 East Main Street, Bay Shore, NY

FIGURE

Proposed Sample Locations

MONTAUK HIGHWAY

MOWBRAY PLACE

MOWBRAY AVENUE

14 MOWBRAY AVENUE

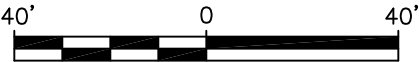
9 MOWBRAY PLACE

LEGEND

- BCP SITE BOUNDARY
- SITE DRAINAGE
- LOCATION OF PROPOSED GROUNDWATER SAMPLE
- LOCATION OF EXISTING MONITORING WELL INSTALLED BY OTHERS
- LOCATION OF FORMER MONITORING WELL INSTALLED AND REMOVED BY OTHERS
- SOIL SAMPLE LOCATION (VOCs ONLY)
- SOIL SAMPLE LOCATION (FULL SUITE ANALYSIS)
- MONITORING WELL LOCATION (NO SOIL SAMPLING)
- MONITORING WELL LOCATION WITH DOCUMENTATION SOIL SAMPLES (SHALLOW AND ABOVE THE WATER TABLE)
- INDOOR AIR SAMPLE LOCATION
- SOIL VAPOR MITIGATION SYSTEM SAMPLE LOCATION
- SOIL VAPOR SAMPLE LOCATION
- AMBIENT AIR SAMPLE LOCATION
- PROPOSED OFF-SITE SUB-SLAB SOIL VAPOR SAMPLE LOCATION
- PROPOSED OFF-SITE INDOOR AIR SAMPLE LOCATION
- PROPOSED OFF-SITE AMBIENT AIR SAMPLE LOCATION
- SHALLOW SOIL BORING AND SAMPLE LOCATION
- SHALLOW/DEEP SOIL BORING AND SAMPLE LOCATION
- SHALLOW SOIL BORING AND SAMPLE LOCATION
- SHALLOW/DEEP SOIL BORING AND SAMPLE LOCATION
- VERTICAL GROUNDWATER DELINEATION SOIL BORING AND SAMPLE LOCATION

NOTES

- IA-1 THROUGH IA-3 COLLECTED FROM FIRST FLOOR.
- IA-4 THROUGH IA-6 COLLECTED FROM SECOND FLOOR.
- OFF-SITE VAPOR SAMPLING TO BE COMPLETED DURING THE 2018/2019 HEATING SEASON.



Title:

PROPOSED DEEP GROUNDWATER SAMPLE LOCATIONS

250 EAST MAIN STREET, BAYSHORE, NEW YORK

Prepared For:

250 EAST MAIN STREET, LLC

ROUX

Compiled by: R.L.

Prepared by: G.M.

Project Mgr: R.L.

File: 2874.0001Y133.01.DWG

Date: 05SEPT19

Scale: AS SHOWN

Project: 2874.0001Y000

FIGURE

1

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