

April 18, 2016

Parag Amin, P.E.
Project Manager, Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, New York 12233

**Re: WALGREEN COMPANY STORE 02077
10 East Chester Street
Kingston, New York
BCP Site No. C356032
Workplan Addendum**

Dear Mr. Amin:

AECOM, on behalf of the Walgreen Company (Walgreens), is submitting this Workplan Addendum to the New York State Department of Environmental Conservation (NYSDEC) for the upcoming investigation activities at 10 East Chester Street in Kingston, New York.

AECOM submitted a Workplan to further delineate soil and groundwater impacts and collect data for potential remedial design in June 2015. The NYSDEC and the New York State Department of Health (NYSDOH) approved the Workplan in August 2015. In the approval letter, the NYSDEC requested that an attempt be made to determine groundwater flow direction at the time of sampling and that the topographic surface of the clayey silt layer be determined.

The following is a description of the tasks to be added and revisions to be made to the original scope of work outlined in the approved Workpan.

Revision to Task 2: Advance Three Soil Borings Across East Chester Street in Sidewalk and Collect Grab Groundwater Samples

As part of the approved Workplan, three soil borings are to be advanced across East Chester Street in the sidewalk that borders 322 Broadway. A grab groundwater sample is to be collected from each soil boring location to evaluate whether there is an upgradient source of PCE in the groundwater.

As indicated in the approved Workplan, AECOM assumed that the work could be conducted in the sidewalk and that an access agreement with the adjacent property would not be required. During coordination activities to implement the Workplan, it was noted that there are significant utilities that run along and beneath the sidewalk. In addition, two water mains, a 24-inch combined sewer, and a gas main run northeast beneath East Chester Street. The proposed drilling locations must be moved to complete the work safely. The parking lot of 322 Broadway is the next available location upgradient of the site to conduct the drilling work safely.

Walgreens has been in contact with the property owner of 322 Broadway to discuss access to their property to conduct the investigation activities. To date, Walgreens has been unable to obtain access

to the property. Therefore, the work outlined in Task 2 of the approved Workplan will not be conducted at this time. Walgreens will keep the NYSDEC informed of any progress that is made to obtain access to 322 Broadway.

Revision to Task 3: Advance Three Soil Borings On-Site in Area of Highest Groundwater Impact (SB-2) and Collect Grab Groundwater Samples

The approved Workplan indicates that continuous soil samples will be collected using a Geoprobe with dual-tube sampling technology with a five-foot macrocore sampler for field screening and soil classification. Each soil boring will be advanced to a depth of approximately 15 feet bgs or until the stratigraphy changes from silty sand to clayey silt. As requested by the NYSDEC, the depth to the clayey silt unit will be recorded on the soil boring log.

Addition of Task 5: Determine Groundwater Flow Direction

As shown in Figure 1, one of the originally proposed soil borings (SB-13) on the Walgreens property will be turned into a monitoring well (MW-4). One additional monitoring well will be installed on the Walgreens property at the northern property boundary (MW-5). These two monitoring wells will be placed in the landscaped area/planter boxes. These two additional monitoring wells will give Walgreens sufficient data to draw a groundwater flow map for the site. Analytical data will not be collected from MW-5 as this area was investigated previously.

Hollow stem augers on the Geoprobe unit will be utilized to install the monitoring wells. Each well will be constructed using new two-inch diameter schedule 40 polyvinyl chloride (PVC) well material with a ten-foot screen (0.010-inch slot) with #0 Morie or equivalent sand pack to approximately one foot above the screen, a minimum of one foot of bentonite seal, and a cement bentonite grout to approximately two feet below ground surface (bgs). The wells will be set so that the screened interval will straddle approximately three-feet above and approximately seven-feet below the water table. The wells will be finished at grade with a locking J-plug and lock and an eight-inch diameter bolt-down manhole set into a two-foot by two-foot concrete pad.

A licensed surveyor will determine the horizontal position of the monitoring well casings and the elevation of the top-of-casing and measuring point inside the casing. The three existing monitoring wells (MW-1 through MW-3) and the two newly installed monitoring wells (MW-4 and MW-5) will be surveyed. The horizontal position will be reported in New York State Plane Coordinates, East Zone on the North American Datum of 1983 (2011 adjustment). Elevations will be referenced to the North American Vertical Datum of 1988.

AECOM will measure the depth to water at all five monitoring wells so that a groundwater flow map can be drawn for the site.

Addition of Task 6: Prepare Corrective Measures Workplan

AECOM, on behalf of Walgreens, will prepare a Corrective Measures Workplan (CMWP) to address ongoing tetrachloroethene (PCE) contamination in on-site groundwater for submittal to the NYSDEC. The data collected during the investigation activities will be used to develop the CMWP. The CMWP will contain content similar to a Remedial Action Workplan (RAWP) as described in Section 5.3 of DER-10.



Walgreens and AECOM will continue their attempts to obtain access to the upgradient property at 322 Broadway in order to determine if there is an off-site source of PCE groundwater contamination, as the remedial approach would change if an off-site source was determined and it may not be appropriate for Walgreens to continue with the development of a CMWP.

Proposed Schedule

AECOM and Walgreens have scheduled the on-site investigation activities. The private utility mark-out will be conducted by Naeva Geophysics, Inc. on April 27, 2016. The on-site drilling activities will be conducted by Zebra Technical Services, LLC (Cascade Drilling LP) on April 28-29, 2016. The two new monitoring wells and the three existing monitoring wells will be surveyed by MJ Engineering and Land Surveying, P.C. on May 5, 2016.

AECOM is requesting that the CMWP be submitted to the NYSDEC within 30 days after receiving the final analytical data from the laboratory so that it may be incorporated into the site conceptual model for the site. We anticipate that the laboratory data will be received by May 20, 2016. We intend to submit the CMWP by June 20, 2016.

If you have any questions or require additional information, please do not hesitate to give me a call at 864-234-2240.

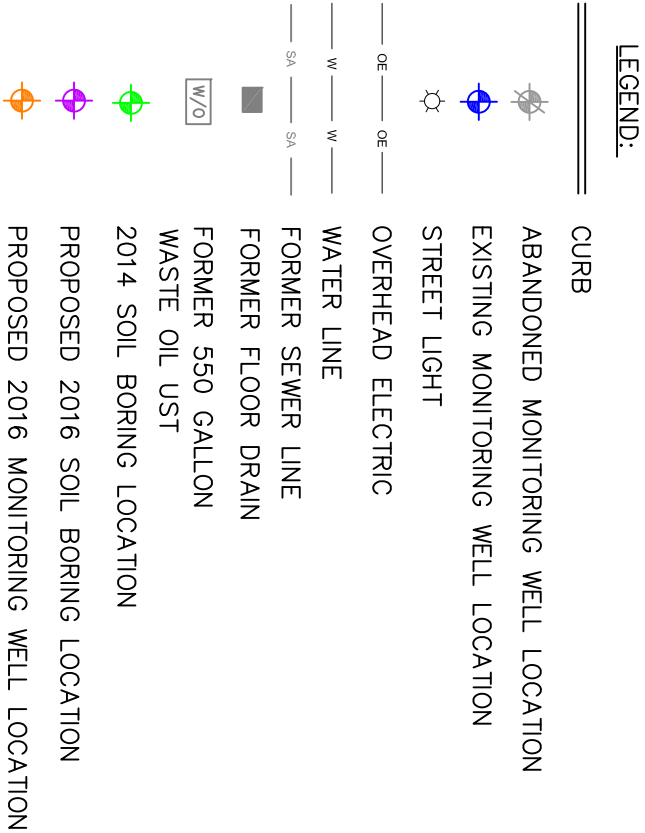
AECOM

A handwritten signature in blue ink that reads "Jennifer Gillies".


Jennifer Gillies
Project Manager

Attachments

Figure 1 Proposed Sampling Locations



NOTE: LOCATIONS OF KNOWN UTILITIES ARE APPROXIMATE

Title: PROPOSED SAMPLING LOCATIONS	
Location: 10 EAST CHESTER STREET KINGSTON, NEW YORK 12401	
Client: WALGREENS STORE #02077	
<div> <div>  <div> AECOM 40 British American Boulevard Larchmont, New York 12110 </div> </div> </div>	
Drafter: CLS	Date: April 2016
Dwg. Size: 11 x 17	Job No.: 60389799
FIGURE 1	