

RE: EXT | | RE: Dangman Park - SRI - Utility Location

Wu, William (DEC) [william.wu@dec.ny.gov]

Sent: Friday, April 22, 2016 11:54 AM

To: Vater, Katherine

Hello Katherine,

Re: K – Dangman Park, site no. 224047

I've reviewed the addendum (received 04/21/2016) to the site utilities locate scope document (dated 01/27/2016) and I have no comments.

All the best,

William Wu

Environmental Engineer 1, Division of Environmental Remediation

New York State Department of Environmental Conservation

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April 20, 2016

Mr. William Wu
Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway
Albany, NY 12233

Re: Former Dangman Park Manufactured Gas Plant Site - Property Redevelopment
Supplemental Remedial Investigation
Investigation of Utilities and Tar Tank Footprint in the Back Alley
Brooklyn, New York
NYSDEC Site No. 224047
Index # A2-0552-0606

Dear Mr. Wu:

This letter is a follow-up to National Grid's January 27, 2016 letter to you which presented the proposed scope and schedule to locate and identify utilities in the back alley of Block 7273, Lot 1 within the former Dangman Park Manufactured Gas Plant (MGP) Site (the Site). At this time, National Grid is proposing to advance test holes (via vacuum excavation) in the back alley as described in that letter. The objectives of the test holes are to daylight certain utilities at specific points and further investigate the former MGP tar tank footprint in the back alley. This information is required for National Grid and Arcadis of New York, Inc. (Arcadis) to evaluate potential remedial measures. Advancing test holes in the back alley is part of the Supplemental Remedial Investigation (SRI); Arcadis is conducting the SRI on behalf of National Grid.

As identified in the January 27, 2016 letter, Industry Standard of Care - Subsurface Utility Engineering (SUE) services have been performed by Arcadis, with their subcontractor, Cardno, Inc. (Cardno) to locate and identify utilities in the back alley. The SUE services performed to date include:

- Records Research/Records Collection (Quality Level D);
- Field Survey (Quality Level C); and
- Utility Designating/Survey (Quality Level B).

Quality Level A services will be conducted to determine the precise horizontal and vertical location of the subsurface gas and sanitary utility lines at four points. This information will be obtained by daylighting the utilities via vacuum excavation/test holes, and subsequently measuring and observing these subsurface utilities. The general scope of work for advancing test holes was presented in National Grid's January 27, 2016 letter and is summarized herein. Six test holes will also be advanced to further investigate the footprint of the tar tank in an effort to determine if the tar tank is present and contains source material

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(non-aqueous phase liquid [NAPL]), as discussed during our April 8, 2016 meeting with you and the Property Owner (450 Neptune Associates, LLC). The attached site plan shows the approximate locations of the 10 proposed test holes. The site plan also shows the approximate location of the subsurface concrete feature (e.g., potential horizontal foundation slab) that was observed by Arcadis during the Property Owner's recent utility work in the back alley and discussed during our recent conversations. Note that all the final test hole locations will be determined in the field based on the location of utilities present in the back alley.

The test holes will be advanced by Arcadis' subcontractor, ZEBRA Technical Services, LLC (a wholly-owned subsidiary of Cascade Drilling, L.P.; Zebra). Specifically, Zebra will provide a two-man crew and a Vacmasters unit to advance 10 test holes (approximately 1-ft diameter) to a depth of approximately 6 feet below land surface (ft bls) using air knifing/vacuum excavation methods. During the test hole field work, our equipment (e.g., Vacmasters unit) can be moved (if necessary) to accommodate deliveries to the businesses occupying the shopping center. Cardno will be on site during the test holes advanced to daylight utilities to document and collect utility information.

The test hole field work will be conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved SRI Work Plan (dated September 14, 2015), which includes a Community Air Monitoring Plan (CAMP). Consistent with the CAMP requirements, odor and dust control measures will be available and used when (if) necessary. The work would also be conducted in accordance with the current Arcadis project-specific Health and Safety Plan (HASP).

After completing each test hole, removed materials will be placed back into the test hole with visually clean soils used to cover impacted materials (if present). Additionally, the ground surface cover (e.g., asphalt) will be repaired as appropriate. The test hole locations will be marked in the field with spray paint (if necessary) for subsequent surveying by a New York State-licensed surveyor retained by Arcadis.

Investigation-derived waste (IDW) generated during these field activities is expected to be minimal and will be temporarily stored on site in a 55-gallon drum(s) at a location to be determined with the Property Owner. The IDW will be transported off-site for treatment/disposal by National Grid's contractor, Environmental Strategies & Applications, Inc. (ESA).

A complete summary of the SUE results and test hole observations, including updated Site figure, will be provided to NYSDEC. It is anticipated that this information will be presented in the forthcoming SRI Report submittal to NYSDEC or as an addendum to that report, depending upon report status when the SUE Quality Level A services and test hole work are complete.

We have tentatively scheduled this work to start on May 2, 2016, pending receipt of NYSDEC's approval and agreement from the Property Owner for access to the property. The field work for the test holes is expected to take up to 6 days. I will notify you at least 7 days in advance of the date for commencement of the field activities.

If you have any questions or require any additional information, please contact me at (608) 826-3663 or at katherine.vater@nationalgrid.com.

Mr. William Wu
April 20, 2016
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Sincerely,



Katherine Vater
Project Manager

Enclosure – Site Plan

cc: Albert DeMarco, NYSDOH
Linda Sullivan, Esq., National Grid
Bonnie Barnett, Esq., Drinker Biddle and Reath LLP
Megan Miller, P.E., Arcadis
M. Cathy Geraci, Arcadis

