



August 31, 2011

Mr. Lech Dolata  
Project Manager  
MGP Remediation Section  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Remedial Bureau C, 11<sup>th</sup> Floor  
625 Broadway  
Albany, New York 12233-7014

**RE: Hempstead Intersection Street Former MGP Site  
Revised Basis of Design Report for In Situ Solidification**

Dear: Mr. Dolata:

Attached please find two paper and two CD copies of the Revised Basis of Design Report for the planned In Situ Solidification at the Hempstead Intersection Street Former MGP Site. The Design Report includes details on the planned solidification approach for addressing the Site related impacts based on the location, accessibility, thickness and depth of the MGP impacts.

This report is an update to the draft version submitted in May 2010. The report has been revised to reflect the changes in the design that were summarized in our letter to you dated March 29, 2011, and from the meeting with NYSDEC on March 8, 2011. The most significant change from this is that most of the area within the Long Island Railroad (LIRR) Right of Way (ROW) will now be addressed with groundwater oxygenation systems instead of solidification. In addition, deep soil mixing (DSM) and jet grouting (JG) were both previously planned as solidification technologies for the project. However, the revised basis of design now only includes the DSM technology for completing the solidification work. This revised report also incorporates revisions related to the NYSDEC comments on the May 2010 draft Basis of Design received in June 2010, and NYSDEC comments on the draft Contract Documents received in March 2011.

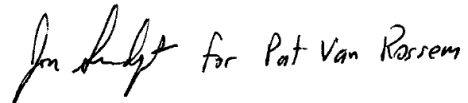
The report has also been updated to reflect that the groundwater treatment systems No. 1 and No. 2 have been installed and are operating as designed. A third oxygenation system that was previously identified for the far downgradient and more dilute portion of the groundwater plume is not included in the revised design report due to the inability to obtain access agreements in the downgradient area of the plume which mainly consists of private residential type properties. The design report does include two other planned oxygenation systems located closer to the Site on Wydler Place and on Intersection Street which will provide a total of four oxygenation systems for the project instead of three systems.

Entact Environmental Services has been selected by National Grid to perform the remediation work described in this Basis of Design report. Entact is the Contractor that successfully completed the Hempstead IRM excavation phase in 2008. The NYSDEC public availability session to discuss the design details with the community is scheduled for September 22, 2011. The contractor plans to start mobilizing for the remedial program after the NYSDEC public availability session, and we are planning to discontinue the current tar recovery program interim remedial measures around the time

when the Contractor starts the mobilization process. Also attached for your review is the current schedule for the remediation project from Entact.

Please call me if you have any questions or comments at (516) 545-2578.

Sincerely,

A handwritten signature in black ink that reads "Jim DeLuca for Pat Van Rossem". The signature is written in a cursive, slightly slanted style.

Patrick J. Van Rossem  
Project Manager  
National Grid Environmental Department

Attachment

Cc: A. Omorogbe (1 CD copy)  
S. Deyette (1 CD Copy)  
W. Parish (1 paper & 1 CD copy)  
S. McLelland (1 CD copy)  
J. DeFranco (1 paper & 1 CD copy)  
T. Leissing (1 CD copy)  
F. Murphy (1 CD copy)  
S. Ostrow (1 CD copy)  
M. Akerbergs (1 CD copy)  
J. Sundquist (1 paper & 1 CD copy)