

September 7, 2018

Mr. Matthew Gordon  
Sunoco Pipeline, L.P.  
535 Fritztown Road  
Sinking Spring, PA 19608

Re: Hydrogeological Re-Evaluation Report  
Susquehanna River 16" Horizontal Directional Drill Location (S2-0280)  
Application No. E67-920 & E22-619  
Fairview Township, York County  
Lower Swatara Township, Dauphin County

Dear Mr. Gordon:

The Pennsylvania Department of Environmental Protection (DEP) is requesting more information from Sunoco Pipeline, L.P. (SPLP) related to the HDD Re-Evaluation for the S2-0280, E67-920 & E22-619, posted on the DEP Mariner East II pipeline portal webpage on August 17, 2018.

1. In the boring log for the Geobore B-2 in 2017, there is a note of petroleum odors at a depth of 13 to 15 feet below ground surface (ft bgs). However, there is no discussion in the report pertaining to the petroleum odors and what happens if the HDD drill encounters this layer. If the layer is contaminated, then steps must be taken to mitigate any spread of the contamination. For example, mitigation measures like casing off this layer or disposal of contaminated drilling mud. Please explain what steps will be taken if contamination is encountered.
2. The Tetra Tech Geobores B-1 and B-2 of 2017 are not located on Figures 3 and 4 -the cross-section and plan view maps provided in Attachment 2. These borings along with the 2014 borings, SB-01 and SB-03 should be on the plan view maps and the cross-sectional/profile maps. In addition, these maps should also have the boring logs box for Geobores B-1 and B-2 on them.
3. Based on the information in the Re-evaluation report, it appears that only one core boring was sent for rock strength analysis from the Dauphin County (east shore) side. Since there are different rock types on the York County (west shore) verses Dauphin County sides of the Susquehanna River, the Department would expect each rock type to be analyzed for compressive strength. Also, the inadvertent returns (IR) occurred on the western side of the river during the HDD installation of the 20" pipeline. If the cores were retained, then rock strength analysis should be completed for the west shore diabase rock and the results analyzed and incorporated into Re-evaluation report and the HDD design, as applicable.

Upon receipt, DEP will post SPLP's response to this letter on the DEP pipeline portal webpage for public comment. The public will have 5 additional business days from the date of posting on the website to provide DEP any additional comment.

If you have any questions or would like to discuss this letter, please contact me at [scwilliams@pa.gov](mailto:scwilliams@pa.gov) or 717.705.4799.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott R. Williamson', with a long horizontal flourish extending to the right.

Scott R. Williamson  
Program Manager  
Waterways & Wetlands Program

cc: Monica Styles, Sunoco Pipeline, L.P. (pdf copy)  
Larry Gremminger, Gremminger Associates (pdf copy)  
Douglass J. Hess, P.G., Skelly and Loy  
Dauphin County Conservation District (pdf copy)  
York County Conservation District (pdf copy)