



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southwest Regional Office

December 15, 2017

Mr. Matthew Gordon
Sunoco Logistics, L.P.
535 Fritztown Road
Sinking Spring, Pennsylvania 19608

RE: Hydrogeological Re-Evaluation Report
HDD S1B-0190, E65-973
Hildenbrand Road Crossing
Sewickley Township, Westmoreland County

Dear Mr. Gordon:

The Department (DEP) is requesting more information related to the HDD Analysis for the S1B-0190, E65-973, posted on the DEP Mariner East II pipeline portal webpage on November 27, 2017.

1. Section 3.2.2, Page 11 states that the HDD is not associated with conditions in which IRs generally occur except for potential unidentified open bedrock structural features. In addition, a fracture trace analysis indicated the revised boring transects three mapped fracture traces as depicted on Figure 4.
 - a. Regarding open bedrock structural features, what measures have been taken to identify and avoid these features?
 - b. Please identify and describe any geotechnical survey methods that were or could be used to identify these features.
 - c. Did SPLP consider whether a slight re-route could avoid these features and eliminate or decrease the potential of an IR?
 - d. Describe what measures will be implemented to mitigate the risks associated with these features.

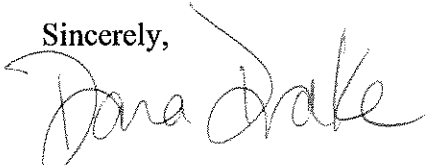
2. Section 4.0, Page 12 of the Report states that the revised bore could intersect the reported water bearing zones of the identified potable well located 50 feet south of the alignment, thereby increasing the chances of hydraulic communication of the well with drilling fluids. SPLP proposes to offer alternative water supplies to at risk landowners with private water wells during and through completion of the HDD.
 - a. SPLP should evaluate alternatives that will avoid impacts to private water supplies.
 - b. Has SPLP notified all landowners within 450 feet of the ROW of the potential impacts to private water supplies and of the offer to provide alternative water supplies during the HDD?

- c. SPLP should evaluate and discuss the likelihood of permanent impacts to private water supplies resulting from the revised bore.
3. HDD S1B-0190 is located proximal to both conventional and unconventional gas wells. Given the fractured nature of the area, SPLP should evaluate the potential for gas communication between the existing gas wells and the HDD. As part of the evaluation, SPLP should consider the potential risk of gas communication with the identified private water well via the HDD line.
4. There have been issues associated with HDDs at other nearby locations, specifically the MEII Sewickley Creek HDD site and as well as an IR in June 2017 caused by Tenaska, Inc.'s HDD that occurred in Sewickley Creek. Please discuss the geology of these sites as compared to the Hildenbrand HDD site and whether any information is available on the other sites that SPLP could consider that would avoid similar issues at this HDD site.

Upon receipt, DEP will post requested additional information 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 regarding the matter, please contact me at 412.442.4149, or by email at dadrake@pa.gov.

Sincerely,



Dana Drake, P.E.
Environmental Program Manager
Waterway & Wetlands Program

cc: Chris Embry – SPLP via email
Richard Wardrop, P.G. – GES
Jack L. Vasalani, P.G. – GES