

November 16, 2017

Mr. Matthew L. Gordon
Sunoco Pipeline, L.P.
535 Fritztown Road
Sinking Springs, PA 16908

Re: Hydrogeological Re-Evaluation Report
Eagleview Boulevard Horizontal Directional Drill Location (S3-0321-16)
Permit No. E15-862
Uwchlan Township
Chester County

Dear Mr. Gordon:

The Department of Environmental Protection (DEP) has reviewed the supplemental Horizontal Directional Drill (HDD) analysis submitted for S3-0321-16, E15-862, for the installation of a 16-inch diameter pipeline parallel to Eagleview Boulevard in Uwchlan Township, Chester County. This information was posted on DEP's Mariner East 2 pipeline portal's webpage on September 15, 2017. DEP received responses from Sunoco to our October 6, 2017, comment letter on October 11, 2017. DEP also received and reviewed public comments on these Sunoco submissions. In response to the comments received, DEP undertook further evaluation and concluded that the potential risks to water supplies were adequately considered.

Sunoco's report concluded that the analysis of the HDD plans for the HDD-S3-0321-16 site does not suggest an elevated risk of drilling mud loss or inadvertent returns. Your report also concluded that no conditions were identified that would require modification of standard drilling procedures and precautions for the completion of the proposed 16-inch diameter line.

DEP acknowledges the incorporation of the following best management practices noted in your report that SPLP will follow:

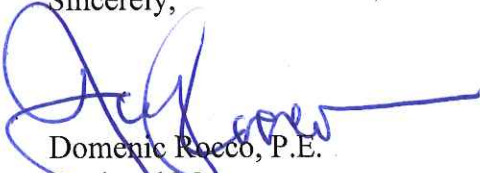
1. SPLP will mandate annular pressure monitoring during the drilling of the pilot hole, which assists in immediate identification of pressure changes indicative of loss of return flows or over pressurization of the annulus, managing development pressure that can induce an inadvertent return (IR).
2. SPLP will mandate short-tripping of the drilling tools to ensure an open annulus is maintained to manage the potential inducement of IRs.

3. Required monitoring of the drilling fluid viscosity, such that fissures and fractures in the subsurface are sealed during the drilling process.
4. During the remaining phase, the use of Loss Control Materials can be implemented if indications of a potential IR are noted or an IR is observed.
5. If necessary, the pilot hole and reaming phases of the HDD may utilize casing, hammered into the substrate down to structurally better rock, to prevent lateral movement of drilling fluids.

Considering the aforementioned, the supplemental information is adequate. DEP has determined that no permit modifications are necessary. You may proceed with the permitted HDD activity in the manner proposed in your reevaluation and in accordance with all applicable permit terms and conditions.

If you have additional questions, please contact Mr. John Hohenstein at 454.250.5171.

Sincerely,



Domenic Rocco, P.E.
Regional Manager
Waterways and Wetlands

cc: Mr. Mulray, P.G., GES
Mr. Waldrop, P.G., GES
Mr. Sofranko, Chester County Conservation District
Re 30 (GJS17WAW)319-10