

COMMONWEALTH OF PENNSYLVANIA
BEFORE THE ENVIRONMENTAL HEARING BOARD

CLEAN AIR COUNCIL; THE DELAWARE
RIVERKEEPER NETWORK; and
MOUNTAIN WATERSHED
ASSOCIATION, INC.,
Appellants, EHB DOCKET NO. 2017-009-L
v.
COMMONWEALTH OF PENNSYLVANIA,
DEPARTMENT OF ENVIRONMENTAL
PROTECTION,
Appellee,
and
SUNOCO PIPELINE L.P.,
Permittee.

CORRECTED STIPULATED ORDER

AND NOW this 10th day of August, 2017, the Clean Air Council, the Delaware Riverkeeper Network, the Mountain Watershed Association, Inc. (collectively "Appellants"), Sunoco Pipeline L.P. ("Sunoco"), and the Commonwealth of Pennsylvania, Department of Environmental Protection ("Department"), by and through their respective counsel, hereby agree to resolve the Appellants' Application for Temporary Partial Supersedeas and Petition for Partial Supersedeas, both of which were filed on July 19, 2017, through a negotiated agreement with regard to the following terms and conditions, which shall be entered by the Environmental Hearing Board ("Board") as a Stipulated Order, and which supersedes and replaces the Stipulated Order approved by the Board on August 9, 2017, as follows:

1. Appellants' Petition for Temporary Partial Supersedeas and Petition for Partial Supersedeas are hereby withdrawn without prejudice. The Board's Orders dated July 25, 2017, July 28, 2017, August 1, 2017, August 3, 2017, and August 4, 2017 (attached as Exhibit "1") are hereby vacated. Appellants reserve the right to seek a temporary or permanent supersedeas for conduct after the Board's entry of this Stipulated Order, including any activities related to horizontal directional drilling ("HDD").

2. Sunoco will perform a re-evaluation of the 41 HDDs listed on Exhibit "2" attached hereto. Exhibit "2" provides the rationale for selecting these HDDs for re-evaluation as well as the nature of the re-evaluation.

3. Sunoco will also perform a re-evaluation of the HDDs listed on Exhibit "3." These HDDs constitute drills for which an inadvertent return ("IR") occurred during the installation of one pipe (20" or 16" diameter) and where a second pipe will hereafter be installed in the same right-of-way ("ROW"). In addition, Sunoco will perform a re-evaluation of HDDs for which an IR occurs in the future during the installation of one pipe where a second pipe will thereafter be installed in the same ROW.

4. In re-evaluating the design of the HDD techniques for the sites referenced in Paragraphs 2 and 3 herein, Sunoco shall:

- i. Re-examine the geology at each site using information and data gathered during HDD operations at that and other sites during construction of the pipelines subject to the permits in the above-captioned Appeal;
- ii. Consider data that is specific to the needs of each HDD being reevaluated, including at a specific HDD: geologic strength at profile depth, overburden strength, HDD depth, entry angle, pipe stress radius, open cut alternatives, a

re-route analysis for all HDDs (including those on Exhibit “2”) and analysis of well production zones;

iii. Conduct, as appropriate, additional geotechnical evaluation at each site using techniques generally recognized within the scientific community which may include:

- Additional field drilling and sampling;
- Seismic surveys;
- Ground penetrating radar; and
- Electromagnetic surveys/electrical resistivity tomography.

iv. In karst areas, Sunoco shall consider the use of seismic surveys and electromagnetic surveys/electrical resistivity tomography for the re-evaluation undertaken pursuant to this Order, and if it does not use these evaluation methodologies, it will provide the Department with an explanation for why they were not used at that site.

5. Upon completion of Sunoco’s re-evaluation of each HDD site referenced in Paragraphs 2 and 3 herein, Sunoco shall provide for each such site a report signed and sealed by a Professional Geologist, describing and presenting the results of its study for that location (“Report”). The Professional Geologist shall be a person trained and experienced in geotechnical and hydrogeologic investigation. The Report shall specify all actions to be taken by Sunoco to eliminate, reduce, or control the release or IR of HDD drilling fluids to the surface of the ground or impact to water supplies at that location during HDD operations.

i. The Report shall document in detail the information considered for the re-evaluation of the design of the HDD at that site.

- ii. The Report shall contain an evaluation of the feasibility of constructing the proposed HDD crossing at that location and, as appropriate, propose modification of the design of the HDD or relocation of the pipeline based upon the results of its study for that location.
6. Sunoco will submit the Reports to the Department for review and approval.
- i. For any recommendation that requires a major permit modification, the Department's procedures for major permit modifications shall apply.
 - ii. For all recommendations for which a minor permit modification is required, including, but not limited to, certain changes from HDD to an open cut or certain changes to the Limit of Disturbance ("LOD"), the Department will have 21 days to review the submission and render a determination with respect to such minor permit modification, unless Sunoco agrees to extend the 21-day time period. Appellants and private water supply landowners, who have received notice pursuant to Paragraph 7 below, shall submit comments, if any, within 14 days of the Department's posting of Sunoco's Reports on the Department's Pennsylvania Pipeline Portal website. Comments on the Reports shall be submitted to the Department at: Karyn Yordy, Executive Assistant, Office of Programs, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17101; Email – kyordy@pa.gov; Phone – (717) 772-5906; Fax – (717) 705-4980. Appellants will provide copies of their comments by email to Sunoco to the email address provided to Appellants'

counsel. The Department shall consider comments received and document such consideration.

- iii. For all other recommendations, including, but not limited to, recommendations of no change or of changes that do not require a minor permit modification, the Department will have 21 days to review the submission and render a determination with respect thereto, unless Sunoco agrees to extend the 21-day time period. Appellants and private water supply landowners who have received notice pursuant to Paragraph 7 below, shall submit comments, if any, within 14 days of the Department's posting of Sunoco's Reports on the Department's Pennsylvania Pipeline Portal website. Comments on the Reports shall be submitted to the Department at: Karyn Yordy, Executive Assistant, Office of Programs, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA 17101; Email – kyordy@pa.gov; Phone – (717) 772-5906; Fax – (717) 705-4980. Appellants will provide copies of their comments by email to Sunoco to the email address provided to Appellants' counsel. The Department shall consider comments received and document such consideration.

7. At the same time that Sunoco provides the Report to the Department, Sunoco will also provide a copy of the Report to Appellants by email to the address provided to Sunoco's counsel. The Department shall post Sunoco's Report to the Pennsylvania Pipeline Portal website within one business day of receipt. Sunoco shall send a copy of the Report (by U.S. Postal

Service Certified Mail and First Class Mail) to all landowners who have a private water supply that is located within 450 feet of the HDD addressed by the Report.

8. Ten days before HDD operations start at an HDD location, or re-start at an HDD location at which there was an IR (as listed on Exhibit "4"), Sunoco will identify all landowners within 450 feet of HDD alignments, and notify all such landowners (by U.S. Postal Service Certified Mail and First Class Mail) and offer such landowners the opportunity to have their water supplies within 450 feet of the HDD alignment sampled before, during, and after start or re-start of such HDD in accordance with the parameters in the water supply testing plan (Appendix B of the Water Supply Assessment, Preparedness, Prevention and Contingency Plan). For any such water supplies, the drill path will be compared to the well depth and geology of the area. Those water supplies in geologies with potentially significant interconnected secondary porosity (solution openings and structural features) will be considered for monitoring during HDD installs depending on specific individual water supplier requirements.

9. At the 22 HDDs identified on Exhibit "5," water supplies within 150 feet shall receive 72 hours' notice (by U.S. Postal Service Certified Mail and First Class Mail) in advance of restarting these HDDs, and Sunoco will provide notice to landowners (by U.S. Postal Service Certified Mail and First Class Mail) between 150 feet and 450 feet of the HDD within 30 days of the HDD restarting. Such notice shall offer the landowner with the opportunity to have a water supply located within 450 feet of the HDD alignment sampled in accordance with the parameters in the water supply testing plan (Appendix B of the Water Supply Assessment, Preparedness, Prevention and Contingency Plan) within 10 days of the landowner's request.

10. Sunoco shall provide copies of the Certified Mail receipts and landowner responses to the Department, and copies of the Certified Mail receipts to Appellants.

11. Sunoco will immediately notify a landowner with a water supply within 450 feet of an HDD when Sunoco or the Department has determined that there is a substantial possibility that the operation of the HDD will impact his or her water supply.

12. Within 14 days of the Board's entry of this Stipulated Order, Sunoco will provide the Department with a complete list of drilling instructions and specifications provided to all drillers performing HDD operations associated with the permits that are subject to the above-captioned Appeal, which provide the general operational parameters and best management practices to be utilized by the drillers during the performance of HDD operations under said permits.

13. The Department may review the drilling instructions and specifications, and suggest modifications to be incorporated into the instructions and specifications. If appropriate, the Department and Sunoco will discuss the feasibility of incorporating the Department's suggested modifications into the drilling instructions and specifications.

14. Within 14 days of the Board's entry of this Stipulated Order, Sunoco will provide the Department with as-builts for six HDDs that have been completed and at which an IR occurred to assure that the HDDs are being built in accordance with approved plans. To the extent possible, the as-builts shall represent the work of at least three different drilling contractors for HDD work performed in at least three different spreads of the pipelines subject to the permits in the above-captioned Appeal.

15. The parties have agreed to revisions to: the HDD Inadvertent Return Assessment, Preparedness, Prevention and Contingency Plan; the Water Supply Assessment, Preparedness, Prevention and Contingency Plan; and, the Void Mitigation Plan for Karst Terrain and

Underground Mining (collectively, the “Plans”), as revised, such revisions dated August 8, 2017.

Sunoco agrees to abide by these Plans, as revised.

16. Sunoco shall inform, as appropriate, its officers, agents, employees, and contractors of the August 8, 2017 revisions to the Plans and ensure that the Plans as revised are present onsite during drilling operations and are made available to the Department.

SUNOCO PIPELINE L.P.:

/s/ Robert D. Fox
Robert D. Fox, Esq.

THE COMMONWEALTH OF
PENNSYLVANIA, DEPARTMENT OF
ENVIRONMENTAL PROTECTION:

/s/ Nels J. Taber
Nels J. Taber, Esq., Regional Counsel

CLEAN AIR COUNCIL:

/s/ Joseph O. Minott
Joseph O. Minott, Esquire

DELAWARE RIVERKEEPER
NETWORK:

/s/ Aaron J. Stemplewicz
Aaron J. Stemplewicz, Esquire

s/ Maya K. van Rossum
Maya K. van Rossum

MOUNTAIN WATERSHED
ASSOCIATION:

/s/ Melissa Marshall
Melissa Marshall, Esquire

APPROVED AND SO ORDERED

ENVIRONMENTAL HEARING BOARD

s/ Bernard A. Labuskes, Jr.
BERNARD A. LABUSKES, JR.
Judge

DATED: August 10, 2017