

Chapter 102 Application No.: ESG0100015001

Applicant Name: Sunoco Pipeline, L.P.

Project Name and Description: Pennsylvania Pipeline Project (A.K.A. Mariner East II)
 Construction Spread 6
 For project description, please refer to Application.

Municipalities: West Nantmeal Township, East Nantmeal Township, Wallace Township, Upper Uwchlan Township, Uwchlan Township, West Whiteland Township, East Whiteland Township, West Goshen Township, East Goshen Township, Westtown Township, Thornbury Township, Edgmont Township, Middletown Township, Aston Township, Brookhaven Borough, Chester Township, Upper Chichester Township

County: Chester and Delaware Counties

Watershed: Special Protection Non-Special Protection
 TMDL Impaired (If yes, list source of impairment/TMDL pollutants): See Receiving Waters Table

Application Type: NEW RENEWAL MAJOR MODIFICATION PHASED

Total Disturbed Area: 171 acres in Chester Co and 97 acres in Delaware County

Potential Toxic or Hazardous Pollutants Identified YES NO N/A

Details/Comments: Sites with potential arsenic identified (see Conditions C.VII and C.XIII of the Chapter 102 Permit)

E&S Plan components: Reviewed by: CD DEP Reviewer(s): J. Sofranko and E. Magargee

Latest Revision Date: See table below.

Additional comment/information/description:

The Chester and Delaware County Conservation Districts have performed a technical review of the Erosion and Sediment (E&S) Control Plans for this project. This review resulted in technical review comments which DEP shared with the applicant.

Upon technical review of the response documents from the applicant, some remaining issues with the proposed E&S plans were identified by the County Conservation Districts (CCD's) as inadequately addressed. These issues were elevated to the Program Management and Bureau for consideration. The Program Management and Bureau reviewed the concerns raised by the CCDs; deficiencies were identified that would preclude the DEP from issuing the permit without further information from the applicant. The applicant then provided the additional information addressing the final deficiencies that were identified.

A table of documents reviewed as part of this submittal follows:

Item	Description	Dated/Received*
Chester County		
ES-0.01 to 0.25	Erosion & Sediment Control & Site Restoration Plan Notes & Details	02/06/2017
ES-6.01 to 6.74	Erosion & Sediment Control & Site Restoration Plans	02/06/2017
S-C66-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016

S-B15-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016
S-B18-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016
S-H52-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016
S-C73-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016

Delaware County		
ES-0.01, 0.02, 0.04, 0.08, 0.10-0.18, 0.022, 0.25	Erosion & Sediment Control & Site Restoration Plan Notes & Details	2/6/2017
ES-0.03, 0.05-0.07, 0.09, 0.19-0.21, 0.23	Erosion & Sediment Control & Site Restoration Plan Notes & Details	2/6/2017
ES-6.01, 6.02, 6.05-6.13, 6.15-6.20, 6.22, 6.25, 6.28-6.34	Erosion & Sediment Control & Site Restoration Plans	2/6/2017
ES-6.03, 6.04, 6.14, 6.21, 6.23, 6.24, 6.26, 6.27, 6.35	Erosion & Sediment Control & Site Restoration Plans	2/6/2017
S-B38-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016
S-C44-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016
S-I5-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016
S-H29-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016
S-H28-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016
S-H43-A & B	Stream and Wetland E&S/Restoration Plans and Profiles	11/30/2016

*may be superseded by updated plan

Based upon a technical review of the E&S Plan submission from the conservation districts, the responses from the applicant together with specific permit conditions, the Department finds the E&S Plans for this project to be technically adequate and satisfies all applicable E&S requirements of Chapter 102, including §§102.4(b)(5)(ii) to §102.4(b)(5)(xv), §102.4(b)(4), §102.4(b)(5)(i), §102.4(b)(6), and Chapter 93.

Riparian Buffers:

This refers to all Special Protection watersheds in SERO. The application was found to comply with the requirements in §§102.14(d) and (f).

PCSM Plan components: Reviewed by: CD DEP Reviewer(s): C. Smith

- Latest Revision Date: _____
- o Written Narrative..... YES NO N/A
Details/Comments: _____
 - o Plan Drawings..... YES NO N/A
Details/Comments: _____
 - o Identification/location of PCSM BMPs..... YES NO N/A
Details/Comments: _____
 - o Operation & Maintenance Procedures YES NO N/A
Details/Comments: _____
 - o Supporting calculations, if required..... YES NO N/A
Details/Comments: _____

Additional comment/information/description: _____

- o Was on-site testing done for soil permeability if infiltration is proposed? YES NO N/A
Explain: _____

Mainline – Restoration:

This refers to all watersheds in SERO. See application and supporting documents for more information. These sites were designed and analyzed as site restoration, following 25 Pa. Code § 102.8(n).

Twin Oaks Pump Station:

This site drains to Baldwin Run (Designated Use: WWF)

Watershed Analysis: (Anti-Degradation Review & Water Quality Analysis)

Adequate Site Analysis: YES NO N/A Details: _____

Adequate Thermal Impact Analysis: YES NO N/A Details: _____

Adequate PCSM Plan for Antidegradation Analysis: YES NO N/A Details: Siltation impaired

PCSM Review (for Twin Oaks Pump Station):

The PCSM Plan satisfies: (check those that apply)

- Act 167 Plan approved on or after January 2005
- Standard Design Criteria from 25 Pa. Code § 102.8(g)(2) and (3)
- Alternative Design Standard used per 25 Pa. Code §§ 102.8(g)(2)(iv) and 102.8(g)(3)(iii)

If yes, has applicant provided adequate demonstration of compliance with Sections 102.8(g)(2)(iv) and 102.8(g)(3)(iii)?

Vegetated Block Valve Sites:

All block valve sites within the Southeast Region were designed as Vegetated Geoweb block valve sites and access roads, including the following sites:

Fairview Road, Boot Road, Middletown Road, South Pennell Road, and East Lincoln Highway.

Per the applicant, these sites will be returned to meadow in good condition in the post construction condition. These sites were designed and analyzed as site restoration, following 25 Pa. Code § 102.8(n).

The Fairview Road, Boot Road, Middletown Road, South Pennell Road, and East Lincoln Highway block valve sites drain to Special Protection (HQ or EV) and/or siltation impaired waters.

Adequate PCSM Plan for Antidegradation Analysis: YES NO N/A Details: _____

Recommendation:

Issuance: This application has been reviewed and based on the submitted information; the application has been found to be **adequate** and satisfactorily addresses the administrative and technical requirements for the NPDES Construction Permitting Program, the Chapter 102 Regulations and the Antidegradation requirements found at § 93.4c.

Details/Comments: _____

With the following Conditions (individual permits only):

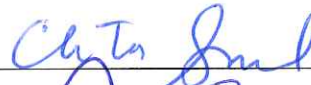
Other: **See Conditions in Parts A, B and C of the Chapter 102 Permit**

Denial: This application has been reviewed and based on the submitted information; the application has been found to be **inadequate** and does not satisfactorily address the administrative and/or technical requirements for the NPDES Construction Permitting Program, Chapter 102 Regulations and/or Antidegradation requirements found in 93.4. Deficiencies were not resolved during the permit review process.

Details/Comments: _____

E&S Reviewer(s): See E&S Plan Components Section

Date: _____

PCSM Reviewer(s): 

Date: 2/10/2017

Regional Program Manager: 

Date: 2/10/2017