

**ENCLOSURE E – PART 1**  
**COMPREHENSIVE ENVIRONMENTAL EVALUATION SUMMARY**

This Enclosure E provides a comprehensive environmental evaluation summary of the entire pipeline project as a whole in response to the Department’s technical deficiencies related to the overall project comprised by the 17 Chapter 105 Water Obstruction and Encroachment permit applications associated with the Pennsylvania Pipeline Project. Specifically, the following identifies the individual parts of this Enclosure E (**noted in bold**) that address each of the specific Department’s technical deficiencies (*noted in italics*) related to the overall project:

**Part 2 – Resource Identification and Project Impacts**

- a. *Use the Environmental Assessment Form (3150-PM- BWEW0017, 2/2013) as a guide and provide a detailed narrative and other appropriate documentation that comprehensively evaluates the project as a whole under each of the categories therein (Part 1 – Resource Identification; Part 2 – Project Description – including all the analyses listed in the form, as well as in 25 Pa. Code §§ 105.13(e)(1)(vii-x), (2), (3), (g), and (j); and 25 Pa. Code § 105.15.*
- b. *The Comprehensive Environmental Evaluation should also provide a detailed narrative and other appropriate documentation that comprehensively evaluates the project as a whole for compliance with the requirements associated with the Department’s review of the application listed in 25 Pa. Code § 105.14 in its entirety, with particular emphasis on:*

**Part 5 – Antidegradation Analysis**

- i. *Antidegradation Analysis - Prepare and submit an analysis and information that addresses consistency with State antidegradation requirements contained in Chapters 93, 95 and 102 (relating to water quality standards; wastewater treatment requirements; and erosion and sediment control) and the Clean Water Act (33 U.S.C.A. § § 1251—1376) for this entire project and other potential or existing projects. 25 Pa. Code § 105.14(b)(11).*

**Part 2 – Resource Identification and Project Impacts (includes Secondary Impact Analysis)**

- ii. *Secondary Impact Analysis – Prepare and submit an analysis and information that addresses secondary impacts associated with but not the direct result of the construction or substantial modification of the water obstruction or encroachment in the areas of the entire project and in areas adjacent thereto and future impacts associated with water obstructions or encroachments, the construction of which would result in the need for additional dams, water obstructions or encroachments to fulfill the project purpose. 25 Pa. Code § 105.14(b)(12).*

**Part 6 – Cumulative Impact Assessment**

- iii. *Project Wide Cumulative Impacts Analysis. Prepare and submit an analysis and information that addresses the cumulative impact for this entire project and other potential or existing projects. As part of this analysis please evaluate whether numerous piecemeal changes associated with all the chapter 105 applications related to this pipeline project may result in a major impairment of the wetland resources. The analysis must be undertaken for each alternative prepared for the proposed pipelines and facilities of Mariner East II, on a statewide basis and must be completed for the entire project, as a whole referencing each of the applications for the entire project. 25 Pa. Code §§ 105.14(b)(14); and 105.15.*

**Part 2 – Resource Identification and Project Impacts**

**Part 3 – Alternatives Analysis**

**Part 4 – Impact Avoidance, Minimization, and Mitigation Procedures**

**Part 5 – Antidegradation Analysis**

- iv. *Comprehensive Evaluation of Compliance with 25 Pa. Code § 105.18a. Prepare and submit an analysis and information that evaluates the project as a whole with all the requirements found in 25 Pa. Code § 105.18a for each wetland or wetland complex in or along the project area as a whole. 25 Pa. Code § 105.18a.*

**Part 3 – Alternatives Analysis**

- v. *Comprehensive Alternatives Analysis, Avoidance and Minimization and Mitigation. The applicant needs to demonstrate, that the alternative/s chosen for the entire project will avoid cumulative impacts to the maximum extent practicable, and where such impacts are not avoidable, describe in detail with appropriate supporting documentation, how such impacts will be minimized and mitigated to the satisfaction of the Department. [25 Pa Code §§ 105.1, 105.13(e)(1)(viii)-(x); 105.14(b); and 105.15-105.20a. ]*