

*Atlantic Sunrise Project – PA DEP Chapter 105 Joint Permit Application  
Transcontinental Gas Pipe Line Company, LLC  
Luzerne County*

**ATTACHMENT Q -2**  
**MITIGATION PERMITTEE RESPONSIBLE SITE SPECIFIC PLAN**  
***(UNDER SEPARATE COVER)***

*Revised July 2017*

In the event that the site is not meeting its performance standards for native herbaceous cover, additional seeding will be conducted. Again, the most important factor for establishing a healthy stand of upland herbaceous species is proper maintenance during the first 2 to 3 years of establishment, specifically mowing in upland areas. This ensures enough light is reaching the developing seedlings, while also eliminating competition from annual weedy species that may be trying to colonize the site. In the wetland areas, mowing cannot be conducted, but mechanical weed control with weed whips can be used.

### 13.0 Financial Assurances

#### *Performance Bond*

FPR will establish a performance bond to ensure that the PRM Site construction is completed and all success criteria are met. A sample performance bond is provided in Appendix H: Performance Bond. The financial assurance mechanism will be a surety bond for each PRM Site that will cover construction, maintenance and monitoring costs associated with each PRM Site, and will take effect 60 days after approval of the joint permit. The performance bonding entity has a rating of A+ (A.M. Best Ratings, 2010).

After construction of the PRM Site is completed and the as-built plans are approved by the PADEP and USACE, the bond will be reduced by 50 percent the first year the project meets its hydrologic performance standard. For each subsequent monitoring and maintenance year that demonstrates the PRM Site is meeting its hydrologic performance standard, the remaining 50 percent of the bond will reduce by a proportional amount over the remaining monitoring years. The bond will be closed once all performance standards are met, and final sign-off on the PRM Site has been provided by the USACE and PA DEP. The following table presents the performance bond release schedule and target milestones.

Type of Financial Instrument Used	Project Phase Covered	Specific Items Covered	Amount Reduced (Percent)	Amount Available (Percent)	Explanation
<b>Surety Bond</b>	Construction/ Development	Construction	0%	100%	100% of funds remain in-place until construction is complete
		Hydrologic Performance Standard First Attained	50%	50%	The first year the PRM Site attains its hydrologic performance standard 50% of the Bond amount is reduced
	Maintenance and Monitoring	Year 1- 7 Maintenance and Monitoring Reporting	50%	0%	The remaining 50% of the Bond will cover Maintenance, Monitoring and Reporting for the remaining active phase of the PRM Site.

### *Long-term Stewardship Funding*

Prior to construction of the Project, the Permittee will deposit \$35,000.00 into an escrow account to cover long-term stewardship of the PRM Site. These funds are sufficient to cover the full cost of long-term stewardship activities for the entire PRM Site. The total sum for this escrow amount includes all expenses for long-term management and allocates funds for invasive species management contingency funds.

## **14.0 References**

Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report Y-87-1. 207 p.

Federal Register (2008) Compensatory Mitigation for Losses of Aquatic Resources; Final Rule. 33 CFR Parts 325 and 332. (Volume 73, Number 70). Rules and Regulations. [http://water.epa.gov/lawsregs/guidance/wetlands/upload/2008\\_04\\_10\\_wetlands\\_wetlands\\_mitigation\\_final\\_rule\\_4\\_10\\_08.pdf](http://water.epa.gov/lawsregs/guidance/wetlands/upload/2008_04_10_wetlands_wetlands_mitigation_final_rule_4_10_08.pdf)

United States Department of Agriculture Natural Resources Conservation Service. Soil Survey for Lancaster County. <http://soils.usda.gov/>.

United States Department of Agriculture Natural Resources Conservation Service. The PLANTS Database. National Plant Data Center. <http://plants.usda.gov>.

United States Army Corps of Engineers, New England District. 1993. Highway Methodology Workbook Supplement: Wetland Functions and Values – A Descriptive Approach. <http://www.nae.usace.army.mil/Portals/74/docs/regulatory/Forms/HighwaySupplement.pdf>

United States Army Corps of Engineers. 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region. (Version 2.0), ed. J.S. Wakeley, R.W. Lichvar, C. V. Noble, and J.F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.