

Compensatory Mitigation Plan
USACE Section 404 Individual Permit
Sunoco Pipeline, L.P.
Ho-Ho Spur Proposed Permanent Access Road

I. INTRODUCTION

Sunoco Logistics Partners, L.P. (SXL) has completed the construction of the Motiva Ho Ho Spur Pipeline which was verified under a Nationwide Permit 12, Department of the Army Permit No. SWG-2015-00172. Unavoidable impacts under this previous verification were compensated for by the purchase of wetland mitigation credits from Daisetta Swamp Wetlands Mitigation Bank. At the current time, Daisetta Swamp Wetlands Mitigation Bank does not have enough credits available to satisfy the compensatory requirements for the impacts associated with the permanent gravel access road. SXL proposes to construct a permanent gravel access road to the Junction Site from Pinetop Road to operate, inspect, and maintain this pipeline. This permanent access road will result in 0.81 acres of permanent impacts (Table 1) to the emergent portion of Wetland AA. SXL is proposing to purchase wetland mitigation credits at the Piney Woods Wetland Mitigation Bank.

II. METHODOLOGY

The amount of credits for debit would be determined by use of the Interim Riverine Herbaceous/Shrub HGM model to assess the loss in wetland function. The project area is located in the secondary service area of Pineywoods Mitigation Bank and the FCUs in each of the three categories, physical (Temporary Storage & Detention of Water), biological (Maintain Plant and Animal Community) and chemical (Removal & Sequestration of Elements & Compounds), would have to be purchased at a 1.5 to 1 ratio.

III. RESULTS

Based on the Riverine Herbaceous/Shrub iHGM, the permanent impacts to 0.81 acres of Wet AA at the project site would require 0.28 Functional Credit Units (FCUs) for Temporary Storage and Detention of Water (TSDW), 0.50 FCUs for Maintain Plant and Animal Community (MPAC), and 0.25 FCUs for Removal and Sequestration of Elements and Compounds (RSEC). Since the project site is located within the secondary service area, a 1.5 multiplier is needed for each of these categories. Therefore, the final FCUs for debit are 0.42 FCUs for TSDW, 0.75 FCUs for MPAC, and 0.38 FCUs for RSEC. The complete results of the iHGM Model is presented in Table 2.

**TABLE 2
HGM SUMMARY**

Wetland Area=		<u>AA</u>		
Vdur		0.25		
Vfreq		0.25		
Vtopo		0.40		
Vwood		0.10		
Vmid		0.10		
Vherb		1.00		
Vdetritus		0.30		
Vredox		0.10		
Vsorpt		1.00		
Vconnect		0.75		
WAA (impacted acres)		0.81		
Temporary Storage & Detention of Storage Water	FCI=	0.344601		
	FCU=	0.2791	1.5	0.4187
Maintain Plant and Animal Communities	FCI=	0.616667		
	FCU=	0.4995	1.5	0.7493
Removal and Sequestration of Elements and Compounds	FCI=	0.313333		
	FCU=	0.2538	1.5	0.3807