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June 15, 2017

Via Hand Delivery

Mr. Darrell Nitschke
Executive Director
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480



In re: Hess North Dakota Export Logistics LLC
ETP Pipeline Project
Case No. PU-16-189
Our File No. 011024-001656

Dear Mr. Nitschke:

Enclosed for filing are eleven copies of the Tree and Shrub Mitigation Plan in the captioned case.

Please call should you have any questions. Thank you.

Sincerely,

Wade C. Mann

WCM/lh
enc.

cc: Lacey Carver (via email)

53 **PU-16-189** Filed: 6/15/2017 Pages: 5
Tree and Shrub Mitigation Plan

Hess North Dakota Export Logistics LLC
Wade Mann, Crowley Fleck, PLLP

INTRODUCTION

Hess North Dakota Export Logistics LLC (Hess) has completed construction of the ETP Pipeline Project (Project). The Project is a crude oil transmission pipeline approximately 1.1 miles in length that transports crude oil from the Ramberg Truck Facility to the ETP Facility. The Project is located on private land in Williams County, North Dakota.

The North Dakota Public Service Commission (PSC) issued their Order on Recommended Findings of Fact, Conclusions of Law and Order (Case No. PU-16-189), a Certificate of Corridor Compatibility (Number 192) and a Route Permit (Number 204) on September 7, 2016 for the Project. Included was the PSC's Tree and Shrub Mitigation Specifications. The PSC's Tree and Shrub Mitigation Specifications requires the project proponent to:

1. Provide an inventory of the type, location and number of trees/shrubs removed during construction;
2. Replace removed trees/shrubs at a minimum 2:1 ratio;
3. Inspect (in September) and report annually on tree/shrub survival for a minimum of 3-years after planting; and
4. Achieve a minimum survival rate of 75% after 3-years. If a 75% survival rate is not achieved additional plantings are required with subsequent annual monitoring and reporting for 3-years after planting.

This Tree and Shrub Mitigation Plan (Plan) has been prepared to identify the type, location and number of trees/shrubs removed during construction and to outline Hess' approach for replacement plantings and subsequent monitoring and reporting.

TREE AND SHRUB REMOVAL INVENTORY

E3 Environmental, LLC (E3) completed natural resource survey of the Project and this effort included a tree and shrub inventory of the 250-foot survey corridor. The survey encompassed approximately 35 acres and recorded 10 locations where woody vegetation (i.e., trees and or shrubs) were present. These results were detailed in the Natural Resource Report, which was included as Appendix D of the PSC Consolidated Corridor and Route Application. E3 has utilized this information to identify the location, type and number of trees/shrubs that were removed within the 50-foot construction right-of-way. These results are summarized in Table 1 and depicted on the maps in Appendix A.

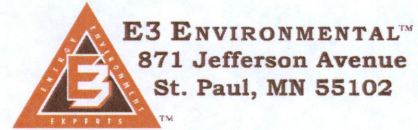


Table 1 Tree and Shrub Inventory

Map ID	Tree/Shrub Type	Number Removed	Replacement Quantity*
WV-03	Fireberry Hawthorn	4	8
WV-04	Fireberry Hawthorn	5	10
WV-05	Chokecherry	15	30
WV-06	Chokecherry	6	12
Total		30	60

*Utilizes a 2:1 replacement ration

REPLACEMENT PLAN

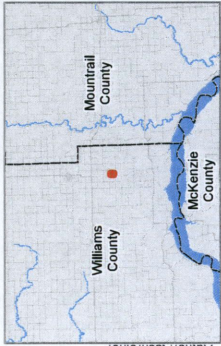
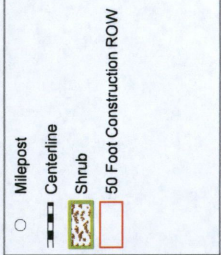
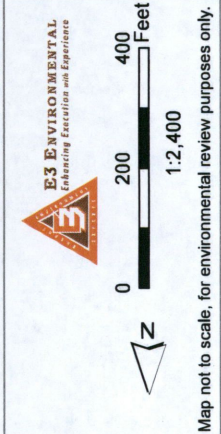
A review of the Project was conducted to identify the location(s) where woody vegetation was removed during construction and to quantify, by species, the impacted trees/shrubs. Trees and shrubs were removed from private property. Hess will coordinate with the affected landowner(s) regarding the replacement of tree/shrubs. Following landowner coordination, site preparation will be conducted in the fall of 2017, which will facilitate replacement planting during the preferred planting window in the spring of 2018. In accordance with the PSC's Tree and Shrub Mitigation Specifications, Hess will record, document and file a record of these efforts with the PSC as stipulated by the Tree and Shrub Mitigation Specifications.



**Hess North Dakota
Export Logistics LLC**
ETP Pipeline Project (PU-16-189)

Tree and Shrub Removal Map 1 of 2

Williams County, North Dakota





Date: 6/1/2017 Document Path: P:\Hess\ETP Pipeline Project\WXDs\Tree Shrub Plan\ETP Pipeline Tree Shrub Plan.mxd

**Hess North Dakota
Export Logistics LLC**
ETP Pipeline Project (PU-16-189)

Tree and Shrub Removal Map 2 of 2

Williams County, North Dakota

0 200 400 Feet
1:2,400

Map not to scale, for environmental review purposes only.

○ Milepost

Centerline

Shrub

50 Foot Construction ROW

