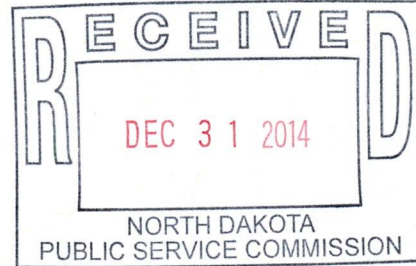




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December 31, 2014

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

**RE: Submission and Request for approval of Tree/Shrub Replacement Plan for ND PSC Case No. PU-10-630 (Plains All-American Pipeline, LP Bakken North Pipeline).**

Mr. Nitschke,

On Behalf of Plains All-American Pipeline, LP (PAA), SWCA Environmental Consultants was contracted to inventory trees and shrubs that may be potentially impacted by the construction of the Bakken North Pipeline Project, Case No. PU-10-630, according to the mitigation requirements of the ND PSC.

#### **Trees and Shrubs Removed**

Many of the trees and shrubs identified in the SWCA inventory were avoided, due to the several bores and neck downs along the pipeline route. Approximately 196 trees and shrubs were removed during construction. The attached table provides detail regarding species removed, species replaced, location, and number.

#### **Replacement Plan**

Tree and shrub planting occurred in June, 2014 and would occur in spring 2015, if necessary. A total of 1,031 trees were replanted in June of 2014 as replacements, which more than fulfills the 2:1 mitigation requirement. If necessary or requested by the ND PSC additional trees would be replanted in the spring of 2015. The plantings will be inspected once per year for three years with reports due to the ND PSC before October 1<sup>st</sup> of each year.

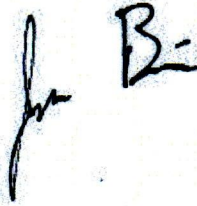
**146 PU-10-630** Filed: 12/31/2014 Pages: 4  
**Submission and request for approval of tree-shrub replacement plan**

SWCA Environmental Consultants

Jason Bivens, Project Manager

PAA requests to PSC consider and approve the Tree/Shrub Replacement Plan for Case No. PU-10-630. Please Contact me if you have any questions, comments, or concerns regarding this submittal.

Sincerely,



Jason Bivens  
Project Manager  
Attachment:1

**Plains All-American Pipeline, LLC Bakken North Pipeline Tree Mitigation Plan  
Case No. PU-10-630**

Landowner	Location Removed	Species Removed	Number Removed	Species Replanted	Number Replanted	Location Replanted	1st Year Survival	2nd Year Survival	3rd Year Survival
Bradley & Marily Olson (NRA WV14 & NRA WV15)	SW SE Section 22, T154N, R102W	Silver Buffaloberry ( <i>Sheperdia argentia</i> )	100	Ponderosa Pine ( <i>Pinus ponderosa</i> )	90	Owner's Property Section 8, 10, 17 T154N, R102W and Section 30 T155N, R102W			
		Chokecherry ( <i>Prunus virginiana</i> )		Chokecherry	250				
		Juneberry ( <i>Amelanchier alnifolia</i> )		Siberian Peashrub	14				
				Colorado Blue Spruce ( <i>Picea pungens</i> )	11				
				Silver Buffalo Berry	350				
Herbert Mischke (NRD WV6)	SE NW Section 9, T156N, R102W	Downy hawthorne ( <i>Crateagus mollis</i> )	3	Chokecherry	6	Owner's Property SW Section 10, T154N, R102W			

Calvin Storseth (NRD WV11 & NRD WV13)	NE Section 24, T157N, R103W	Siberian elm ( <i>Ulmus pumila</i> )	3	Siberian Peashrub ( <i>Caragana arborescens</i> )	3	Owner's Property SW Section 9 T156N, R102W			
				Green Ash ( <i>Fraxinus pennsylvanica</i> )	3				
				Black Hills Spruce ( <i>Picea glauca var. densata</i> )	2				
				Colorado Blue Spruce	2				
Bradley & Marily Olson (NRA WV10)	SE SE Section 26, T154N, R102W	Cottonwood ( <i>Populus deltoides</i> )	90	Green Ash	100	Owner's Property Section 8, 10, 17 T154N, R102W and Section 30 T155N, R102W			
				American Plum ( <i>Prunus americana</i> )	200				
<b>Total</b>			<b>196</b>	<b>Total</b>		<b>1,031</b>			