

**KC HARVEY**  
ENVIRONMENTAL, LLC

May 12, 2014

North Dakota Public Service Commission  
Patrick Fahn  
600 E. Boulevard, Dept 408  
Bismark, ND 58505-0480



**RE: Tree and Shrub Reclamation Plan for Vantage Pipeline Case No. PU-11-109**

Dear NDPSC and Mr. Fahn,

In accordance with the North Dakota Public Service Commission (NDPSC) Tree and Shrub Mitigation Specifications, KC Harvey is submitting documentation of reclamation planting for the Vantage Pipeline Case Number PU-11-109.

The Tree and Shrub Reclamation Plan provided the following information as requested by the NDPSC Mitigation Specifications:

- The number and variety of trees and shrubs removed
- Reclamation plan for replacing these species at a 2:1 ratio
- The variety, location, and date of replacement plantings

Attachment 1 provides documentation of the species, number, location, and date of replacement planting. All trees and shrubs were purchased from the Divide County Conservation District (Attachment 2). Please contact me if you require any additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read "David P. Cameron".

David P. Cameron, P.E.  
Principal Engineer  
KC Harvey Environmental, LLC

A handwritten signature in blue ink, appearing to read "Monica Pokorny".

Monica Pokorny  
Senior Ecologist  
KC Harvey Environmental, LLC

**Attachment 1. Replacement Plantings.**

Pipeline Milepost Location	Inventory Species	Inventory Stem Count	Mitigation Plan	Mitigation Species Planted	Mitigation Stem Count Planted	Plant Type	Date Planted
0.71	Silverberry	25	Replace same, 2 to 1	Silverberry	50	bareroot	5/7/2014
2.50	Russian Olive	1	Replace with chokecherry, 2 to 1	Chokecherry	2	bareroot	5/7/2014
3.15	Chokecherry	50	Replace same, 2 to 1	Chokecherry	100	bareroot	5/7/2014
3.51	Dogwood	5	Replace same, 2 to 1	Dogwood	10	bareroot	5/7/2014
4.24	Siberian Elm	1	Replace with chokecherry, 2 to 1	Chokecherry	2	bareroot	5/7/2014
4.35	Chokecherry	2	Replace same, 2 to 1	Chokecherry	4	bareroot	5/7/2014
4.35	Green Ash	10	Replace same, 2 to 1	Green Ash	20	bareroot	5/7/2014
4.36	Willow	2	Replace same, 2 to 1	Willow	4	bareroot	5/7/2014
4.95	Silverberry	100	Replace same, 2 to 1	Silverberry	200	bareroot	5/7/2014
5.36	Chokecherry	10	Replace same, 2 to 1	Chokecherry	20	bareroot	5/8/2014
5.68	Silverberry	75	Replace same, 2 to 1	Silverberry	150	bareroot	5/8/2014
5.71	Silverberry	10	Replace same, 2 to 1	Silverberry	20	bareroot	5/8/2014
6.07	Caragana	10	Replace same, 2 to 1	Caragana	20	bareroot	5/8/2014
6.07	Green Ash	5	Replace same, 2 to 1	Green Ash	10	bareroot	5/8/2014
6.21	Caragana	15	Replace same, 2 to 1	Caragana	30	bareroot	5/8/2014
6.21	Dead Green Ash	2	Replace same, 2 to 1	Green Ash	4	bareroot	5/8/2014
6.35	Caragana	16	Replace same, 2 to 1	Caragana	32	bareroot	5/8/2014
6.35	Dead Green Ash	2	Replace same, 2 to 1	Green Ash	4	bareroot	5/8/2014
6.48	Caragana	20	Replace same, 2 to 1	Caragana	40	bareroot	5/8/2014
6.48	Green Ash	6	Replace same, 2 to 1	Green Ash	12	bareroot	5/8/2014
6.77	Silver Buffaloberry	50	Replace same, 2 to 1	Silver Buffaloberry	100	bareroot	5/8/2014
7.63	Juniper	1	Replace same, 2 to 1	Juniper	2	bareroot	5/8/2014
8.41	Chokecherry	1	Replace same, 2 to 1	Chokecherry	2	bareroot	5/8/2014
11.93	Russian Olive	1	Replace with chokecherry, 2 to 1	Chokecherry	2	bareroot	5/6/2014
12.43	Siberian Elm	7	Replace same, 2 to 1	Siberian Elm	14	bareroot	5/6/2014
15.10	Siberian Elm	1	Replace with chokecherry, 2 to 1	Chokecherry	2	bareroot	5/6/2014
16.09	Chokecherry	1	Replace same, 2 to 1	Chokecherry	2	bareroot	5/6/2014
21.36	Maple	1	Replace same, 2 to 1	Maple	2	bareroot	5/6/2014
21.38	Green Ash	8	Replace same, 2 to 1	Green Ash	16	bareroot	5/6/2014
21.39	Willow	2	Replace same, 2 to 1	Willow	4	bareroot	5/6/2014
30.24	Chokecherry	1	Replace same, 2 to 1	Chokecherry	2	bareroot	5/6/2014
30.34	Chokecherry	3	Replace same, 2 to 1	Chokecherry	6	bareroot	5/6/2014
30.48	Chokecherry	2	Replace same, 2 to 1	Chokecherry	4	bareroot	5/6/2014
33.44	Ponderose Pine	4	Replace same, 2 to 1	Ponderose Pine	8	bareroot	5/6/2014
40.16	Siberian Elm	7	Replace same, 2 to 1	Siberian Elm	14	bareroot	5/6/2014
61.52	Caragana	95	Replace same, 2 to 1	Caragana	190	bareroot	5/6/2014

Attachment 2. Tree and Shrub Purchase from Divide County.

SHRUBS

- \_\_\_\_\_ RUSSIAN ALMOND Low, suckering shrub 4 Ft in Height. Pink showy flowers.
- 100 \_\_\_\_\_ BUFFALOBERRY Thicket forming, 12 Ft in Height silver foliage.
- 325 \_\_\_\_\_ CARAGANA Very hardy, 12 Ft in height. yellow showy flowers.  
*Tall 2-3'*
- \_\_\_\_\_ CHERRY, NANKING 6-8 Ft, short-lived, edible fruit.
- \_\_\_\_\_ CHERRY, BLACK Open growing, multi-stemmed, 2-4 Ft, edible cherry.
- 150 \_\_\_\_\_ CHOKECHERRY, COMMON 15 ft cherries suitable for jelly
- \_\_\_\_\_ COTONEASTER, PEKIN Upright, multi-stemmed 9-12 Ft, with bright red fruit.
- \_\_\_\_\_ CURRENT, GOLDEN Upright, drought tolerant, 5-6 Purple/black fruit.
- 10 \_\_\_\_\_ DOGWOOD, REDOSIER 6-10 ft, likes moist soil white Cluster of flowers, red stems  
*Tall 3'*
- \_\_\_\_\_ JUNE BERRY 8-10 Ft, blue/black edible fruit.
- \_\_\_\_\_ LILAC, COMMON Suckering 8-10 Ft shrub, Fragrant, showy purple flowers.
- \_\_\_\_\_ LILAC, VILLOSA Non-suckering, blooms pinkish-Flowers in late May.
- \_\_\_\_\_ PLUM, NATIVE 8-12 ft, thicket-forming edible Yellow or red plums.
- \_\_\_\_\_ ROSE, HANSEN HEDGE Hardy, low growing 6-8 ft Red hip, purple foliage.
- 10 \_\_\_\_\_ WILLOW, SHARPLEAF Large shrub, 10-20 ft, likes Moist sites, dark lustrous green In color, branches are yellow.  
*Laurel leaf Tall 2-3'*
- \_\_\_\_\_ HONEYSUCKLE Winter-hardy, drought-tolerant, 12 ft in height, pinkish or yellowish flowers.
- \_\_\_\_\_ SCHUBERT CHOKECHERRY 15 ft cherries suitable for jelly
- \_\_\_\_\_ CHOKEBERRY Edible fruit, 8-10 ft, suitable for Jellies and jams
- 30 \_\_\_\_\_ Elm - *Tall 2-3'*  
CONIFERS
- 2 \_\_\_\_\_ JUNIPER, ROCKY MT Winter-hardy, drought alkalai tolerant tall shrub or small tree 15 ft.
- \_\_\_\_\_ PINE, SCOTCH 40-50 ft, 2 inch twisted/spiraled Needles.
- 10 \_\_\_\_\_ PINE, PONDEROSA 50 ft, 4-7 inch needles

TREES

- \_\_\_\_\_ APRICOT 10-15 ft, white to pink Flowers, edible fruit.
- \_\_\_\_\_ ASH, CARDON 35-50 ft, good growth Characteristics
- 70 \_\_\_\_\_ ASH, GREEN 35-50 ft, large trunked tree  
*Tall 2-3'*
- \_\_\_\_\_ CRABAPPLE, MIDWEST 20 ft, fireblight resistant
- \_\_\_\_\_ COTTONWOOD, SIOUXLAND Large, vigorous cottonless 70 ft
- \_\_\_\_\_ COTTONWOOD, NATIVE The well known cotton Tree, 70-80 ft.
- \_\_\_\_\_ HACKBERRY, OAHE Medium to large tree with A spreading crown 35-55ft
- 10 \_\_\_\_\_ MAPLE, FREEMAN Tall, fast growing, 60 ft, Likes abundant moisture.  
*Amur Tall 2-3'*
- \_\_\_\_\_ OAK, BUR Long-lived, acorns, shade Tree 40-50-ft.
- \_\_\_\_\_ RUSSIAN OLIVE Large shrub/small tree 25 Ft, silvery green leaves, Young stems thorny.
- \_\_\_\_\_ PEAR, USSRIAN Small, roundheaded, often Branching low to the ground 25-35 ft white flowers small greenish-yellow fruit
- \_\_\_\_\_ POPLAR, HYBID Broad, shade tree shape.
- \_\_\_\_\_ POPLAR, NORTHWEST Straight trunk 70 ft Resembles siouxland Cottonwood
- \_\_\_\_\_ WALNUT, BLACK 50-60 ft, edible nut.
- \_\_\_\_\_ WILLOW, GOLDEN 40-60 ft, bark is yellowish
- \_\_\_\_\_ LINDEN, AMERICAN 35-40 ft, medium growth rate
- \_\_\_\_\_ HONEYLOCUST 30-50 ft, fast growth rate
- \_\_\_\_\_ LINDEN, LITTLELEAF 35-40 ft, medium growth rate
- 420 \_\_\_\_\_ Silverberry
- \_\_\_\_\_ SPRUCE, BLACK HILLS 40-60 ft, needles 1/2 to 3/4 in.
- \_\_\_\_\_ SPRUCE, COLORADO BLUE 40-60 ft, 1 in needles Blue-green color.

TOTAL TREES ORDERED \_\_\_\_\_

COST PER TREE X \$1.75

TOTAL COST \_\_\_\_\_

(Carry total cost to back page please.)

**LARGER SIZE TREE SPECIES**

Tall stock will be a minimum of 3 ft but may be taller.

ASH, GREEN	3+ FT	\$4.00	_____	\$ _____
COTTONLESS COTTONWOOD	3+ FT	\$4.00	_____	\$ _____
BLACK WALNUT	3+ FT	\$4.00	_____	\$ _____
BUR OAK	3+ FT	\$4.00	_____	\$ _____
POPLAR, HYBRID	3+ FT	\$4.00	_____	\$ _____
GOLDEN WILLOW	3+ FT	\$4.00	_____	\$ _____
TOTAL TREES ORDERED				\$ _____

**APPLE TREES (All apple trees are \$25.00 plus sales tax)**

- \_\_\_\_\_ HARALRED – Juicy, tart, firm good keeper hardy and fireblight resistant
- \_\_\_\_\_ HONEYGOLD – Crisp, juicy and sweet. Similar to Golden Delicious but hardier
- \_\_\_\_\_ HONEYCRISP – Exceptionally crisp and juicy, stores up to 5 months, ripens in late September
- \_\_\_\_\_ RED BARON – Yellow-red apple, crisp and juicy, sweet but mild flavor, fireblight resistant

TOTAL APPLE TREES \$25.00 X \_\_\_\_\_ \$ \_\_\_\_\_

**\*\*ALL TREES ARE SUBJECT TO AVAILABILITY FROM THE NURSERIES\*\***

AGRICULTURAL PRODUCER \_\_\_\_\_ NON AGRICULTURAL PRODUCER

NAME: Monica Pokorny  
KC Harvey Environmental  
 ADDRESS: 3700 Baltatin Park Dr  
Bozeman MT 59715  
 PHONE: 406-585-7402

APPLE TREES	\$ _____
TOTAL BAREROOT	\$ _____
TOTAL TALL TREES	\$ _____
GRAND TOTAL	\$ _____
7% SALES TAX	\$ _____
SUBTOTAL	\$ _____
50% DOWNPAYMENT	\$ _____
REMAINING BALANCE DUE	\$ <u>5435<sup>00</sup></u>

RETURN TO ADDRESS BELOW

DIVIDE COUNTY SOIL CONSERVATION DISTRICT  
 P.O. BOX 66  
 CROSBY ND 58730-0066

*(Signature) in full*