WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R Date: 09/29/14 Applicant: Enbridge County: Pennington Investigators: BJC/RAJ Subregion (MLRA or LRR): MLRA 56 State: MN Soil Unit: I55A NWI Classification: Sample Point: u-153n44w11-b1 Landform: Footslope Latitude: 48.092806 Longitude: -96.272325 Datum: Sample Point: u-153n44w11-b1 Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) ✓ Yes No Section: Are Vegetation □ Soil □, or Hydrology □significantly disturbed? Are normal circumstances present? Township:	<u> </u>						
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Are Vegetation ☐ Soil ☐, or Hydrology ☐aturally problematic? ☐ Yes ☐ No Range: Dir:							
SUMMARY OF FINDINGS							
Hydrophytic Vegetation Present? No Hydric Soils Present? No							
Wetland Hydrology Present? No Is This Sampling Point Within A Wetland? No							
Remarks: The upland sample point is located in a horse pasture that has been grazed periodically. It is dominated by bird's foot trefoil and big bluestem.							
HYDROLOGY							
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):							
<u>Primary:</u> <u>Secondary:</u>							
□ A1 - Surface Water □ B11 - Salt Crust □ B6 - Surface Soil Cracks	_						
□ A2 - High Water Table □ B13 - Aquatic Fauna □ B8 - Sparsely Vegetated Concave Su	urface						
□ A3 - Saturation □ C1 - Hydrogen Sulfide Odor □ B10 - Drainage Patterns	Dooto (tillod)						
□ B1 - Water Marks □ C2 - Dry Season Water Table □ C3 - Oxidized Rhizospheres on Living □ B2 - Sediment Deposits □ C3 - Oxidized Rhizospheres on Living Roots (not till □ C8 - Crayfish Burrows	ig Roots (tilled)						
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□ B4 - Algal Mat or Crust □ C7 - Thin Muck Surface □ D2 - Geomorphic Position	gery						
□ B5 - Iron Deposits □ Other (Explain) □ D5 - FAC-Neutral Test							
□ B7 - Inundation Visible on Aerial Imagery □ D7 - Frost-Heaved Hummocks (LRR							
□ B9 - Water-Stained Leaves	? F)						
	R F)						
Field Observations:	R F)						
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	R F)						
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-153n44w11-b1		
VEGETATION (Species identified in all uppercase are non-native species.)							
Tree Stratum ((Plot size: 30 ft. radius)				T		
	Species Name	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet		
1.							
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)		
3.							
4.					Total Number of Dominant Species Across All Strata:1 (B)		
5.							
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)		
7.							
8.					Prevalence Index Worksheet		
9.					Total % Cover of: Multiply by:		
10.					OBL spp 0		
	Total Cover	= 0			FACW spp. $\underline{\hspace{1cm}}$ $X 2 = \underline{\hspace{1cm}}$ $\underline{\hspace{1cm}}$ 20		
				OBL spp. 0			
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp85		
1.					UPL spp. $\underline{\qquad 0 \qquad \qquad } X 5 = \underline{\qquad \qquad 0 \qquad }$		
2.							
3.					Total 100 (A) 375 (B)		
4.							
5.					Prevalence Index = B/A = 3.750		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.					Dominance Test is > 50%		
	Total Cover	= 0	_		Prevalence Index is ≤ 3.0 *		
					Morphological Adaptations (Explain) *		
Herb Stratum (Plot size: 5 ft. radius)					Problem Hydrophytic Vegetation (Explain) *		
1.	Lotus corniculatus	60	Υ	FACU			
2.	Andropogon gerardii	10	N	FACU	* Indicators of hydric soil and wetland hydrology must be		
3.	Symphyotrichum ericoides	10	N	FACU	present, unless disturbed or problematic.		
4.	Solidago gigantea	5	N	FAC	Definitions of Vegetation Strata:		
5.	Phalaris arundinacea	5	N	FACW			
6	Elymus canadensis	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast		
7.	Mentha arvensis	5	N	FACW	height (DBH), regardless of height.		
8.							
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.		
10.							
11.							
12.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.							
14.		1					
15.					Woody Vines - All woody vines, regardless of height.		
10.	Total Cover	= 100			Troody Times		
	Total Cover	= 100	_				
Woody Vine Stratum (Plot size: 30 ft. radius)							
vvoody vine St	ratum (Piot Size: 30 ft. radius)						
2.							
		_			Undrambatic Verstation Bresont?		
3.	<u> </u>				Hydrophytic Vegetation Present? N		
5.	<u> </u>						
4.	Total Cover						
Damarka	Total Cover		fo:I				
Remarks:	The upland sample point is dominated by I	ord's foot trei	IOII.				
Additional Remarks:							