WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/24/14	
Applicant:		Enbridge									Pennington	
Investigators		MRK/OTG		Subregion (MLRA or LRR): MLRA 56							MN	
Soil Unit:	144A			<u> </u>			I Classification	n:				
Landform:	Talf		10		ocal Relief		0405000			Sample Point	u-153n43w29-e1	
Slope (%):	0 - 2%		Latitude: 48.				06185000	Datum:				
		nditions on the site		-					□ No	Section:		
Are Vegetation		☑, or Hydrology			•	Are	e normal circur	•	esent?	Township:		
Are Vegetation		□, or Hydrology	□aturally p	roblematic?				□ No		Range:	Dir:	
SUMMARY C			No						I D 10	N		
Hydrophytic Vegetation Present?					<u> </u>		Hydric Soils Present? No Is This Sampling Point Within A Wetland? No					
Wetland Hydrology Present? Remarks: The upland sample point is located			No							Point Within A Wetland? No		
Remarks:	i ne upiana	sample point is loc	cated in a ci	litivated whea	at field.							
HYDROLOG	Υ											
Wetland Hy	drology Ind	cators (Check all	that apply;	Minimum of c	ne primary	or two s	econdary requi	ired):				
<u>Primary</u>									Secondary:		_	
	A1 - Surface			□ B11 - Salt Crust □ B13 - Aquatic Fauna □						B6 - Surface Soil CracksB8 - Sparsely Vegetated Concave Surface		
	A2 - High Wa A3 - Saturation			L	•					B8 - Sparsely B10 - Drainag		
	B1 - Water M										Rhizospheres on Living Roots (tille	
□ B2 - Sediment Deposits □ C3 - Oxidized Rhizospheres on Living Roots (not till □									le 🗆	C8 - Crayfish		
□ B3 - Drift Deposits □ C4 - Presence of Reduced Iron										n Visible on Aerial Imagery		
□ B4 - Algal Mat or Crust □ C7 - Thin Muck Surface □										D2 - Geomorp		
	B5 - Iron Dep	osits n Visible on Aerial Im	agory.		I Other (Exp	olain)				D5 - FAC-Neu	utrai Test aved Hummocks (LRR F)	
	B9 - Water-St		lagery							D7 - F1051-F16	aved Hullimocks (LKK F)	
_												
Field Obser	vations:											
Surface Wat		Yes	Dep	th:	(in.)							
Water Table		Yes	Dep		(in.)			Wetland F	-lydrology	Present?	N	
Saturation P		Yes	Dep		— (in.)							
			<u> </u>									
I Describe Rec		.+	مالمبيد بمصنعمه	arial mhataa r		ti\	if available.					
	•	tream gauge, moni				pections),	if available:					
Remarks:	•	etream gauge, moni or secondary hydro				pections),	if available:					
Remarks:	•					pections),	if available:					
Remarks:	No primary	or secondary hydro	ological indi	cators were d	observed.			ndicators)				
Remarks: SOILS Profile Descri	No primary	or secondary hydro	ological indi	cators were c	observed.	onfirm th	e absence of i					
Remarks: SOILS Profile Descri	No primary	or secondary hydro	ological indi	cators were c	observed.	onfirm th	e absence of i					
Remarks: SOILS Profile Descri	No primary	or secondary hydro	ological indi	cators were c	observed.	onfirm th	e absence of interest of interest in the contract of the contr					
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary hydro be to the depth ne etion, RM=Reduced Ma Matrix	ological indi	ument the incred/Coated Sand	observed. dicator or c	onfirm th	e absence of income Lining, M=Mat		Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary iption (Descri	be to the depth ne etion, RM=Reduced Ma	eded to docatrix, CS=Cove	ument the incred/Coated Sand	observed.	onfirm th ation: PL=P Mottl	e absence of interest of interest in the contract of the contr	trix)	Texture		Remarks	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Sample Point: L3R u-153n43w29-e1 **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 30 ft. radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status 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. Percent of Dominant Species That Are OBL, FACW, or FAC: _______ (A/B) 6. 7. 8. **Prevalence Index Worksheet** Total % Cover of: 9. Multiply by: 10. Total Cover = Sapling/Shrub Stratum (Plot size: 15 ft. radius) 1. 2. 3. Total 90 (A) 450 4. 5. Prevalence Index = B/A = *5.000* 6. 7. **Hydrophytic Vegetation Indicators:** 8. 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) * 90 NI 1. Triticum aestivum * Indicators of hydric soil and wetland hydrology must be 2. present, unless disturbed or problematic. 3. **Definitions of Vegetation Strata:** 4. 5. 6 Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height. 7. 8. Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height. 9. 10. 11. **Herb** - All herbaceous (non-woody) plants, regardless of size. 12. 13. 14. Woody Vines - All woody vines, regardless of height. 15. Total Cover = 90 Woody Vine Stratum (Plot size: 30 ft. radius) 2. 3. Hydrophytic Vegetation Present? N 5. 4. Total Cover = The upland sample point is dominated by cultivated wheat. Remarks: **Additional Remarks:**