WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/16/14		
Applicant: Enbridge									County:	Pennington			
Investigators:		BEH/NTT			Subregion	•	or LRR):	MLRA 56		State:	MN		
Soil Unit:	I53A			_			I Classification:						
Landform:	Talf				cal Relief:					Sample Point	u-154n44w32-d1		
\ /	0 - 2%		atitude: 48.11		Longitude:			Datum:					
	·	nditions on the site t			ar? (If no, exp				□ No	Section:			
Are Vegetation			⊐significantly			Are	e normal circun	nstances pr	esent?	Township:			
Are Vegetation			⊐aturally pro	blematic?			Yes	□ No		Range:	Dir:		
SUMMARY O													
Hydrophytic Vegetation Present?				No			Hydric Soils Present?			? No			
Wetland Hydi			No							nt Within A W	etland? No		
Remarks:	The upland	sample point is dom	ninated by gr	asses and g	oldenrods	and loca	ated upslope fro	om a wet m	eadow.				
HYDROLOGY	Y												
Wetland Hy	drology Indi	icators (Check all th	hat annly: Mi	nimum of on	e nrimary	or two se	econdary requi	red):				Y	
Primary:	•	Cators (Oneck all ti	iat apply, ivii		e primary	OI TWO S	econdary requi	eu).	Secondary	,.			
Primary. □ A1 - Surface Water					B11 - Salt (Crust				∸ B6 - Surface S	Soil Cracks		
	A2 - High Wa	ter Table			B13 - Aqua		l				Vegetated Concave Surface		
	A3 - Saturatio			☐ C1 - Hydrogen Sulfide Odor ☐							B10 - Drainage Patterns		
	B1 - Water Ma				C2 - Dry Se			5			Rhizospheres on Living Roots (til	iled)	
	B2 - Sedimen	•					spheres on Living educed Iron	Roots (not till	ı	C8 - Crayfish			
	B3 - Drift Dep B4 - Algal Ma				C7 - Thin N				H	D2 - Geomorp	n Visible on Aerial Imagery		
	B5 - Iron Dep				Other (Exp		400		<u> </u>	D5 - FAC-Neu			
	•	n Visible on Aerial Imag	gery		(,				D7 - Frost-He	aved Hummocks (LRR F)		
	B9 - Water-St	ained Leaves											
Field Observ	vations:												
Surface Wate	er Present?	Yes □	Depth:		(in.)			Watland L	Judralagy	Drocont?	NI		
Water Table	Present?	Yes □	Depth:		(in.)			welland r	Hydrology	riesenti	N		
Saturation Pr	esent?	Yes □	Depth:		(in.)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Reco	orded Data (s	stream gauge monito	ring well aer	al photos, pr	evious insp	ections)	if available:						
						ections),	if available:						
		stream gauge, monito or secondary hydrol				ections),	if available:						
Remarks:						ections),	if available:						
Remarks:	No primary	or secondary hydrol	logical indica	tors were ob	served.	,		ndicators.)					
Remarks: SOILS Profile Descrip	No primary ption (Descri		logical indica	tors were ob	eserved.	onfirm th	e absence of in						
Remarks: SOILS Profile Descrip	No primary ption (Descri	or secondary hydrol	logical indica	tors were ob	eserved.	onfirm th	e absence of in						
Remarks: SOILS Profile Descrip	No primary ption (Descri	or secondary hydrol	logical indica	tors were ob	eserved.	onfirm th	e absence of in ore Lining, M=Matr						
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Remarks: SOILS Profile Descrip (Type: C=Concen	No primary ption (Descrintration, D=Depleter) Hue_10YR	be to the depth need etion, RM=Reduced Matrix Color (Moist) 2/1	ded to docurrix, CS=Covered	nent the indi	cator or co	onfirm the	e absence of in ore Lining, M=Matr es Type	Location	SIC	Calcic	Remarks		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Tree Stratum	(Plot size: 30 ft. radius)				
	Species Name	% Cover	<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: 2 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					(42)
8.					Prevalence Index Worksheet
9.					4
10.					
10.	_l Total Cover =	0			· · · · · · · · · · · · · · · · · · ·
	Total Cover =		_		FACW spp. 5 $\times 2 = 10$
0 11 (0)	O (D				FAC spp. 10 $\times 3 = 30$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 80 x 4 = 320
1.					UPL spp. $\underline{\qquad}$ $x = \underline{\qquad}$ 0
2.					
3.					Total <u>95</u> (A) <u>360</u> (B)
4.					
5.					Prevalence Index = B/A =
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) *
Harb Stratum (Plot size: 5 ft. radius)				
	Poa pratensis	30	Υ	FACU	Problem Hydrophytic Vegetation (Explain) *
1.			<u> </u>		* Indicators of hydric soil and watland hydrology must be
2.	Dactylis glomerata	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Solidago canadensis	15	N	FACU	
4.	Panicum virgatum	10	N	FAC	Definitions of Vegetation Strata:
5.	Cirsium arvense	5	N	FACU	
6	Andropogon gerardii	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Euthamia graminifolia	5	N	FACW	height (DBH), regardless of height.
8.	Elymus repens	5	N	FACU	
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.					
15.					Woody Vines - All woody vines, regardless of height.
13.	Total Cover	OF			Woody Villes - 7 in troody times, regardless of theight.
	Total Cover =	95	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?N
5.					
4.					
	Total Cover =	0			
Remarks:	The sample site is dominated by Kentucky b	luegrass a	nd orchard	grass.	
		•			
Additional F	Domarke:				
Additional F	Nemains.				