WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: County:	10/03/14	
Applicant: Enbridge											Polk	
Investigators: JLS/SAM				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:	712						assification					
Landform:	Talf				al Relief: L			<u> </u>		Sample Point	u-150n40w24-b1	
Slope (%):	0 - 2%		Latitude: 47.801			-95.728857		Datum:				
		nditions on the sit			'? (If no, expla			⊡Yes	□ No	Section:		
Are Vegetation		G or Hydrology				Are no		nstances pre	esent?	Township:		
Are Vegetation		D or Hydrology	Liturally prob	lematic?			Yes	□No		Range:	Dir:	
SUMMARY C												
Hydrophytic			No									
Wetland Hyd	Irology Prese	ent?	No	ilu alavatad a				Is This Sar	mpling Poin	t within A w	etland? No	
Remarks:	The upland	sample point is lo	cated in a slight	ly elevated a	area within	i a grazeo p	basture nea	r an existing	g pipeline c	orndor. vege	tation is dominated by timothy.	
HYDROLOG												
Wetland Hy	drology Ind	icators (Check all	l that apply; Min	imum of one	e primary o	or two secor	ndary requi	red):				
Primary	: A1 - Surface	A/ - /							Secondary:			
		311 - Salt Cı 313 - Aquati					B6 - Surface S	Soil Cracks Vegetated Concave Surface				
	A2 - High Wa A3 - Saturatio					en Sulfide Od	lor		H			
	B1 - Water M					ason Water T					Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen							Roots (not till				
	B3 - Drift Dep					ce of Reduce	ed Iron				n Visible on Aerial Imagery	
	B4 - Algal Ma B5 - Iron Dep			_	C7 - Thin Mu Other (Expla					D2 - Geomorp D5 - FAC-Neu		
		on Visible on Aerial Im	nagerv			ann <i>)</i>					aved Hummocks (LRR F)	
	B9 - Water-S								_			
Field Obser	vations:											
Surface Wat	er Present?	Yes 🛛	Depth:		(in.)						N	
Water Table	Present?	Yes 🛛	Depth:		(in.)			Wetland H	iyarology i	Present?	N	
Saturation P	resent?	Yes 🛛	Depth:		(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Rec	orded Data (stream dauge moni	itoring well aeria	I nhotos prev	vious inspe	ections) if a	vailable:					
			-		-		vailable:					
Describe Reco Remarks:		stream gauge, moni or secondary indic	-		-		vailable:					
Remarks:			-		-		vailable:					
Remarks: SOILS	No primary		cators of wetland	d hydrology v	were obser	erved.		ndicators.)				
Remarks: SOILS Profile Descri	No primary	or secondary indic	cators of wetland	d hydrology v ent the indica	were obser	rved.	osence of ir					
Remarks: SOILS Profile Descri	No primary	or secondary indic	cators of wetland	d hydrology v ent the indica	were obser	nfirm the abon: PL=Pore L	osence of ir					
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced M Matrix	eeded to docum atrix, CS=Covered/	d hydrology v ent the indica Coated Sand Gr	were obser ator or cor rains; Locatio	nfirm the ab on: PL=Pore L Mottles	osence of ir ining, M=Matr	ix)				
Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced M Matrix Color (Moist)	eeded to docum atrix, CS=Covered/	d hydrology v ent the indica	were obser ator or cor rains; Locatio	nfirm the abon: PL=Pore L	osence of ir		Texture		Remarks	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-150n40w24-b1					
		re non-native	species.)							
Tree Stratum ((Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	Species Maine	76 COVEL	Dominant	IIIU.Status						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)					
3.					· · · · · · · · · · · · · · · · · · ·					
4.					Total Number of Dominant Species Across All Strata: 1 (B)					
5.					(2)					
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. $0 \times 1 = 0$					
	Total Cover =	0			FACW spp. 20 x 2 = 40					
			_		FAC spp. 0 x 3 = 0					
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 95 x 4 = 380					
1.					UPL spp. 0 x 5 = 0					
2.										
3.					Total 115 (A) 420 (B)					
4.										
5.					Prevalence Index = B/A = <u>3.652</u>					
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.	Phleum pratense	60	Y	FACU						
2.	Agrostis gigantea	20	N	FACW	* Indicators of hydric soil and wetland hydrology must be					
3.	Elymus repens	15	N	FACU	present, unless disturbed or problematic.					
4.	Symphyotrichum ericoides	5	N	FACU	Definitions of Vegetation Strata:					
5.	Trifolium hybridum	5	N	FACU						
6	Lotus comiculatus	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.	Melilotus officinalis	5	N	FACU	height (DBH), regardless of height.					
8.										
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.	<u> </u>									
11.					All hashaaasua (non usadu) alanta saxardiasa of siya					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.										
14.					Woody Vines - All woody vines, regardless of height.					
15.	T () O	445			WOODY VINES - All WOODY VINES, regardless of height.					
	Total Cover =	115	_							
March March										
Woody Vine Sti 1.	ratum (Plot size: 30 ft. radius)									
2.										
3.					Hydrophytic Vogotation Proceed?					
					Hydrophytic Vegetation Present? N					
5. 4.										
÷.	Total Cover =	0								
Remarks:	The vegetation is dominated by timothy.	U								
Remarks.	The vegetation is dominated by timotity.									
A al al 16' 1 -) - w - w k - v									
Additional Remarks:										