## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/25/14								
Applicant:		Enbridge								County:	Pennington								
Investigators	8:	RAJ/BEH			Subre	egion (MLRA	or LRR):	MLRA 56		State:	MN								
Soil Unit:	I27A		<b>i</b>			•	I Classification												
Landform:	Depression Local Relief: CC							<b>`</b>		Sample Point	:: w-154n44w18-f3								
Slope (%):	0 - 2%		Latitude: 48.	.153961		tude: -96.355	932	Datum:											
		onditions on the site			0			☑ Yes	□ No										
Are Vegetati	• •	□, or Hydrology			•		e normal circun			Township:									
Are Vegetati		□, or Hydrology	•	•			⊠ Yes		000000	Range:	Dir:								
SUMMARY (																			
Hydrophytic			Yes	9				Hydric Soi	Is Present?	Yes									
	drology Prese		Yes							t Within A W	/etland? Yes								
Remarks:		v marsh is dominate		-	and located i	n an existing	n pipeline corric												
r comanto.				ia oattai															
HYDROLOG	V																		
			d tample	N 41 - 1				IX.											
-	•••	icators (Check all	that apply;	Minimui	m of one prim	ary or two s	econdary requi	red):											
Primary	<u>′'</u> A1 - Surface '								Secondary:	DC Curface (									
	A1 - Surface A2 - High Wa					Salt Crust Aquatic Fauna				B6 - Surface S B8 - Sparsely	Vegetated Concave Surface								
	A3 - Saturatio					lydrogen Sulfic				B10 - Drainag									
	B1 - Water M	arks									Rhizospheres on Living Roots (tilled)								
	B2 - Sedimen	•					spheres on Living	Roots (not till	€ □	C8 - Crayfish									
	B3 - Drift Dep					resence of Re					n Visible on Aerial Imagery								
	B4 - Algal Ma B5 - Iron Dep					hin Muck Surfa	ace		$\checkmark$	D2 - Geomorp D5 - FAC-Neu									
		on Visible on Aerial Ima	agery			(Explain)					aved Hummocks (LRR F)								
		tained Leaves	agery																
_																			
Field Obser	vations:																		
	er Present?	Yes 🗆	De	epth:	(in	_)													
		Yes 🗹	•	·	0 (in			Wetland F	lydrology l	Present?	Y								
Water Table Present? Yes $\square$ Depth: $\bigcirc$ (III.)																			
Saturation P	resent?	Yes 🗹	Dei		<b>0</b> (in	1													
Saturation P				·			11 - Johlar												
Describe Rec	corded Data (s	stream gauge, monit	toring well, a	aerial ph	otos, previous	inspections),													
	corded Data (s		toring well, a	aerial ph	otos, previous	inspections),		drology are	present.										
Describe Rec Remarks:	corded Data (s	stream gauge, monit	toring well, a	aerial ph	otos, previous	inspections),		drology are	present.										
Describe Rec Remarks: SOILS	orded Data (s Surface wat	stream gauge, monit ter is present a few	toring well, a / feet away	aerial pho	otos, previous e sample poin	inspections), t. Indicators	s of wetland hyd		present.										
Describe Rec Remarks: SOILS Profile Descr	orded Data (s Surface wat	stream gauge, monit ter is present a few ibe to the depth nee	toring well, a	aerial pho	otos, previous e sample poin the indicator o	inspections), t. Indicators	s of wetland hyd e absence of ir	ndicators.)	present.										
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w18-f3			
_								
VEGETATIO	N (Species identified in all uppercase a	are non-native	species.)					
Tree Stratum	(Plot size: 30 ft. radius)							
	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet			
1.								
2.		]			Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)			
3.		]						
4.					Total Number of Dominant Species Across All Strata: 3 (B)			
5.								
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <b>100.0%</b> (A/B)			
7.		1						
8.		1			Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.					$OBL spp. \qquad 61 \qquad X  1 = \qquad 61$			
	Total Cover :	= 0			FACW spp. $31$ x 2 = $62$			
					FAC spp. 1 $X 3 = 3$			
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				Initial % Cover of:Multiply by:OBL spp.61x1 =61FACW spp.31x2 =62FAC spp.1x3 =3FACU spp.0x4 =0UBL spp.0x5 =0			
1.		_			$\begin{array}{cccc} UPL \text{ spp.} & 0 & X & 5 = & 0 \end{array}$			
2.								
3.		1			Total <mark>93</mark> (A) <b>126</b> (B)			
4.								
<u> </u>					Prevalence Index = $B/A = 1.355$			
<u> </u>								
7.								
					Hydrophytic Vegetation Indicators			
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					X Dominance Test is > 50%			
	Total Cover :	=0			X Prevalence Index is ≤ 3.0 *			
					Morphological Adaptations (Explain) *			
	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Typha X glauca	30	Y	OBL				
2.	Phalaris arundinacea	30	Y	FACW	* Indicators of hydric soil and wetland hydrology must be			
3.	Leersia oryzoides	20	Y	OBL	present, unless disturbed or problematic.			
4.	Schoenoplectus acutus	5	N	OBL	Definitions of Vegetation Strata:			
5.	Scirpus pallidus	5	N	OBL				
6	Poa palustris	1	Ν	FACW	<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast			
7.	Juncus nodosus	1	N	OBL	height (DBH), regardless of height.			
8.	Solidago gigantea	1	N	FAC				
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.			
10.	Total Cover	02						
	Total Cover :	= 93	_					
Maash Mar O								
vvoody vine St	tratum (Plot size: 30 ft. radius)	1						
1.		1						
2.	-							
3.	1				Hydrophytic Vegetation Present? Y			
5.	1							
4.								
	Total Cover :							
Remarks:	A shallow marsh community dominated by	hybrid cattai	il, reed car	hary grass	and rice cutgrass. Hydrophytic vegetation is present.			
Additional F	Remarks:							