WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: 10/08/14	
Applicant:		Enbridge					County: Pennington				
Investigators		NTT/BEH		Subregion (MLRA or LRR): MLRA 56						State: MN	
¥											
Soil Unit:	150A						I Classification:				
Landform:	Depression			Lo	ocal Relief:				Sample Point: w-152n43w24-a1		
Slope (%):	0 - 2%	La	atitude: 47	.970468	Longitude:	-96.114	604	Datum			
· · · · · ·		nditions on the site t			-			☑ Yes	□ No	Section:	
	, ,									4	
Are Vegetati		☑, or Hydrology □	•	•		Are	e normal circum	istances pr	esent?	Township:	
Are Vegetati	ion 🛛 Soil	□, or Hydrology □	aturally	problematic?			☑ Yes	🗆 No		Range: Dir:	
SUMMARY (OF FINDING	3									
			Ma	-				Lludria Cai	le Dresent?	Vaa	
	Vegetation P		Ye		_				Is Present?		
Wetland Hyc	drology Prese	ent?	Ye	S				Is This Sa	mpling Poin	t Within A Wetland? Yes	
Remarks:	The wetland	d is a seasonally floo	ded basi	n located in a f	armed whe	eat field.	The area has b	een recentl	v tilled and	no living vegetation is present.	
									,	5 5 1	
HYDROLOG	Y										
Wotland Hy	drology Ind	icators (Chock all th	at apply:	Minimum of or		or two c	ocondary roquir	.od)•			
_		icators (Check all th	iai appiy,		le primary	01 100 5	econdary requi	eu).	0		
<u>Primary</u>						-			Secondary:		
	A1 - Surface				B11 - Salt					B6 - Surface Soil Cracks	
	A2 - High Wa	ter Table			B13 - Aqua	atic Fauna				B8 - Sparsely Vegetated Concave Surface	
	A3 - Saturatio	n			C1 - Hydro	gen Sulfic	le Odor			B10 - Drainage Patterns	
	B1 - Water M	arks			C2 - Dry S					C3 - Oxidized Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen	t Deposits					spheres on Living	Roots (not till	le 🗆	C8 - Crayfish Burrows	
	B3 - Drift Dep	•			C4 - Prese			(C9 - Saturation Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin N					D2 - Geomorphic Position	
	B5 - Iron Dep				Other (Exp					D5 - FAC-Neutral Test	
		on Visible on Aerial Imag				nan ij				D7 - Frost-Heaved Hummocks (LRR F)	
		tained Leaves	JOIY							$D_1 = 1103(-1)000000000000000000000000000000000000$	
	Da - Maret-21	alleu Leaves									
Field Obser	vations:										
Surface Wat	ter Present?	Yes 🗆	Do	onth:	(in.)						
				epth:	-			Wetland H	lydrology I	Present? Y	
Water Table	Present?	Yes 🗆	De	epth:	(in.)				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Saturation P	resent?	Yes 🛛	De	epth:	(in.)						
					<u> </u>	(1)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Remarks: No primary wetland hydrology indicators present. Wetland hydrology is assumed based on landscape position and hydrophytic vegetation.											
	remarke. The primary weather hydrology maleatore procent. Weather hydrology is about on landoupe position and hydrophytic vegetation.										
SOILS											
Profile Descr		be to the depth need									
Profile Descr		be to the depth need									
Profile Descr											
Profile Descr		etion, RM=Reduced Matri				tion: PL=P	ore Lining, M=Matr				
Profile Descr (Type: C=Concer		etion, RM=Reduced Matrix Matrix	ix, CS=Cov	rered/Coated Sand	Grains; Loca	tion: PL=P Mottle	ore Lining, M=Matr es	ix)			
Profile Descr	ntration, D=Depl	etion, RM=Reduced Matrix Matrix Color (Moist)	ix, CS=Cov	vered/Coated Sand	Grains; Loca (Moist)	tion: PL=P	ore Lining, M=Matr		Texture	Remarks	
Profile Descr (Type: C=Concer	ntration, D=Depl	etion, RM=Reduced Matrix Matrix Color (Moist)	ix, CS=Cov	vered/Coated Sand	Grains; Loca (Moist)	tion: PL=P Mottle	ore Lining, M=Matr es	ix)	Texture	Remarks	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	: L3R				Sample Point: w-152n43w24-a1				
VEGETATIO		re non-native	species.)						
Tree Stratum	(Plot size: 30 ft. radius)								
	Species Name	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (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: <u>100.0%</u> (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.	-				Total % Cover of: Multiply by:				
10.					OBL spp. 20 $x = 20$				
		= 0			FACW spp. 5 $x 2 = 10$				
		· <u> </u>	—		FACW spp. 5 x $2 =$ 10 FAC spp. 5 x $3 =$ 15 FACU spp. 0 x $4 =$ 0				
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)				FACUepp 0 X A = 0				
1		1			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
2.					$ \qquad \qquad$				
		1							
3.		l			Total <u>30</u> (A) <u>45</u> (B)				
4.									
5.					Prevalence Index = $B/A = $ <u>1.500</u>				
6.		l							
7.									
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) *				
Herb Stratum ((Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1	Ammannia robusta	10	Y	OBL					
2.		10	<u> </u>	OBL	* Indicators of hydric soil and wetland hydrology must be				
3.	Gratiola neglecta		N T	FACW	present, unless disturbed or problematic.				
	Veronica peregrina	5	N N						
4.	Echinochloa crus-galli	5	IN	FAC	Definitions of Vegetation Strata:				
5.	<u> </u>								
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.					height (DBH), regardless of height.				
8.									
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.									
11.									
12.	<u> </u>				Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
14.	<u> </u>				Woody Vines - All woody vines, regardless of height.				
15.	Tatal Cavar				WOODY VILLES - All Woody Villes, Togardiode of Holgha				
	Total Cover =	= 30							
Woody Vine St	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? Y				
5.									
4.									
	Total Cover =	= 0							
Remarks:			and clam	mv hedge	-hyssop. The area has been tilled and all vegetation is remnants that have died.				
				ing neege					
Additional Remarks:									