WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/11/14	
Applicant:		Enbridge									County:	Polk	
Investigators	3 :	NTT/BEH				Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:						NWI Classification: PEMA							
Landform:	Rise				Lo	cal Relief:	VV				Sample Point:	u-150n39w29-b1	
Slope (%):	8 - 15%		Latitude: 4	7 7762		Longitude:		526	Datum:			-	
		nditions on the site							⊡Yes	□No	Section:		
Are Vegetati		or Hydrology			sturbed?	ii: (ii iio, exp		normal circun					
							AIC	✓ Yes	□No	esent:	Township:	C '-	
Are Vegetati		☐ or Hydrology	Litturally	y proble	emauc?			■ res	Пио		Range:	Dir:	
SUMMARY (
Hydrophytic			<u>N</u>	1 0						Is Present?			
Wetland Hyd				No.							it Within A W		
Remarks:	The upland	point is being take	en to docu	ıment a	n NWI tha	t is upland	d. The po	int is located i	n a planted	sunflower fi	ield on a rise.	The field is dominated by	
		nd stink grass.											
HYDROLOG													
		icators (Check all	that apply	y; Minin	num of on	e primary	or two se	condary requi	red):				
Primary					_					Secondary:			
☐ A1 - Surface Water					_	B11 - Salt (B6 - Surface S		
	A2 - High Wa A3 - Saturation					B13 - Aqua C1 - Hydrog					B8 - Sparsely Vegetated Concave Surface		
l H	B1 - Water M					C2 - Dry Se					B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled) C8 - Crayfish Burrows		
1 5	B2 - Sedimen							pheres on Living	Roots (not till				
	B3 - Drift Dep					C4 - Preser			rtooto (not tii			Nisible on Aerial Imagery	
I =	B4 - Algal Ma					C7 - Thin M					D2 - Geomorp		
	B5 - Iron Dep	osits				Other (Expl	lain)				D5 - FAC-Neu	tral Test	
		on Visible on Aerial Im	nagery								D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves											
Field Obser	vations:												
Surface Wat	er Present?	Yes 🗆	П	Depth:		(in.)							
Water Table		Yes 🗆		_		(in.)			Wetland F	łydrology l	Present?	N	
Saturation P		_		_		(in.)						_	
Saturation	i esent?	Yes 📙	U	Depth:									
						. ()							
Describe Rec	orded Data (s	stream gauge, moni	itoring well		photos, pre	,	ections), i	if available:					
Describe Rec		stream gauge, moni		l, aerial	photos, pre	,	ections), i	if available:					
				l, aerial	photos, pre	,	ections), i	if available:					
				l, aerial	photos, pre	,	ections), i	if available:					
Remarks:	No wetland	hydrology indicato	ors presen	l, aerial nt.		evious insp	·		ndicators.)				
Remarks: SOILS Profile Descr	No wetland		ors presen	I, aerial	nt the indi	evious insp	onfirm the	e absence of ir					
Remarks: SOILS Profile Descr	No wetland	hydrology indicato	ors presen	I, aerial	nt the indi	evious insp	onfirm the	e absence of ir					
Remarks: SOILS Profile Descr	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma	ors presen	I, aerial	nt the indi	evious insp	onfirm the	e absence of ir ore Lining, M=Mate					
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	ors presen	I, aerial nt. docume	ent the indicated Sand (evious insp cator or co Grains; Locat	onfirm the ion: PL=Po Mottle	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to d	I, aerial nt.	nt the indi	evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Mate		Texture		Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland iption (Descriptration, D=Depl	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to d atrix, CS=Cc	l, aerial nt.	ent the indicated Sand (evious insp cator or co Grains; Locat	onfirm the ion: PL=Po Mottle	e absence of ir ore Lining, M=Matr	ix)	FSL		Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to d atrix, CS=Cc	I, aerial nt.	ent the indicated Sand (evious insp cator or co Grains; Locat	onfirm the ion: PL=Po Mottle	e absence of ir ore Lining, M=Matr	ix)			Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland iption (Descriptration, D=Depl	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to d atrix, CS=Cc	l, aerial nt.	ent the indicated Sand (evious insp cator or co Grains; Locat	onfirm the ion: PL=Po Mottle	e absence of ir ore Lining, M=Matr	ix)	FSL		Remarks	
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Remarks: SOILS Profile Descr (Type: C=Conce	No wetland iption (Descr ntration, D=Dept Hue_10YR Hue_10YR	hydrology indicators be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/3	eeded to d atrix, CS=Cc	l, aerial ont.	ent the indi oated Sand (Color (I	cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr es Type	ix)	FSL		Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland iption (Descriptration, D=Depl	hydrology indicators be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/3	eeded to d atrix, CS=Cc	l, aerial ont.	ent the indicated Sand (cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	FSL LS			
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-10 10-21 NRCS Hydr	No wetland iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/3 Indicators (ch	eeded to d atrix, CS=Cc	I, aerial ont.	cont the indicated Sand (Color (I	cator or co Grains; Locat Moist)	Mottle %	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M	luck (LRR I, J) Prairie Redox (c Soils¹ (LRR F, G, H)	
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland iption (Description (Description) Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	hydrology indicators be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/3 Indicators (chairpedon etic	eeded to d atrix, CS=Cc	l, aerial at.	cont the indicated Sand (Color (I ators are r 5 - Sandy R 6 - Stripped 1 - Loamy N	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera	monfirm the ion: PL=Po Mottle % t):	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si	luck (LRR I, J) Prairie Redox (urface (LRR G)	c <u>Soils¹</u> 'LRR F, G, H)	
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland iption (Descritation, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep. A3 - Bistic Epi A4 - Hydroge	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/3 Indicators (ch ipedon stic n Sulfide	eeded to d atrix, CS=Cc	I, aerial ont. Idocume overed/Co	color (I Color (I ators are r 5 - Sandy R 6 - Stripped 1 - Loamy M 2 - Loamy G	cator or co Grains; Locat Moist) not present	monfirm the ion: PL=Po Mottle % t):	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	c Soils¹ (LRR F, G, H)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n39w29-b1		
VEGETATION		non-native	species.)				
Tree Stratum (Plot size: 30 ft. radius)						
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet		
1.							
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (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: 0.0% (A/B)		
7.							
8.					Prevalence Index Worksheet		
9.					Total % Cover of: Multiply by:		
10.					OBL spp. 0 x 1 = 0		
	Total Cover =	0			FACW spp. 0 x 2 = 0		
			_		FAC spp. 0 x 3 = 0		
Sanling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACU spp. 80 x 4 = 320		
1.	Stratum (Flot size. 13 it. radius)				UPL spp. 0 x 5 = 0		
2.					о. 2 орр. <u> </u>		
3.					Total 80 (A) 220 (P)		
3. 4.					Total 80 (A) 320 (B)		
					Dravelance Index = D/A = 4 000		
5.					Prevalence Index = B/A = 4.000		
6.	_						
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.	<u>_</u>				Dominance Test is > 50%		
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *		
					Morphological Adaptations (Explain) *		
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Eragrostis cilianensis	30	Υ	FACU			
2.	Fallopia convolvulus	20	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be		
3.	Helianthus annuus	20	Υ	FACU	present, unless disturbed or problematic.		
4.	Setaria pumila	10	N	FACU	Definitions of Vegetation Strata:		
5.				•			
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.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.					11010		
14.				_	Woody Vines - All woody vines, regardless of height.		
15.	T.1.0	00			TYOOUY YIIIGS		
	Total Cover =	80	_				
	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present? N		
5.							
4.							
	Total Cover =	0		-			
Remarks:	The upland vegetation is dominated by comm	non sunflo	wer, black	bindweed	d, and stink grass.		
	•						
Additional R	Remarks:						
Additional N	tomund.						