## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant: Investigators Soil Unit:	169A	L3R Enbridge MRK/OTG		Subregion (MLRA or LRR): <u>MLRA 56</u> NWI Classification:						Date:09/16/14County:PenningtonState:MN	
Landform:	Talf			Local Relief: LL					Sample Point: u-154n44w33-e1		
Slope (%):	0 - 2%		atitude: 48.11				4705000	Datum:			
		nditions on the site t			al ? (If no, exp	1				Section:	
Are Vegetation	•	□, or Hydrology □ □, or Hydrology □					e normal circun ☑ Yes	⊓stances pr	esent?	Township: Range: Dir:	
SUMMARY C			Jaturally pro				▶ 165			Range: Dir:	
Hydrophytic			No					Hydric Soi	Is Present?	' No	
Wetland Hyd	-		No		-					nt Within A Wetland? No	
Remarks:	U	sample point is upsl		wet meadow	in a havfie	eld.			inpinig i on		
					,, <b>,</b> ,						
HYDROLOG	Y										
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required): <u>Primary:</u> <u>Secondary:</u>											
	<ul> <li>A1 - Surface Water</li> <li>A2 - High Water Table</li> </ul>				B11 - Salt ( B13 - Aqua					B6 - Surface Soil Cracks B8 - Sparsely Vegetated Concave Surface	
	A3 - Saturatio				C1 - Hydro					B10 - Drainage Patterns	
	B1 - Water Ma				C2 - Dry So			Dooto (not till		C3 - Oxidized Rhizospheres on Living Roots (tilled)	
	B2 - Sediment B3 - Drift Dep	•			C3 - Oxidiz C4 - Prese		spheres on Living duced Iron	Rools (not th		C8 - Crayfish Burrows C9 - Saturation Visible on Aerial Imagery	
	B4 - Algal Mat				C7 - Thin N					D2 - Geomorphic Position	
	B5 - Iron Depo				Other (Exp	lain)				D5 - FAC-Neutral Test	
	B7 - Inundatio B9 - Water-St	n Visible on Aerial Imag ained Leaves	gery							D7 - Frost-Heaved Hummocks (LRR F)	
	D9 - Waler-Ol	alleu Leaves									
Field Observations:											
Surface Wate		Yes 🗆	Depth		(in.)						
Water Table		Yes 🗆	•	:	(in.)			Wetland H	lydrology	Present? N	
Saturation Pr		Yes 🗆	Depth		- (in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Remarks: No primary or secondary hydrological indicators were observed.											
Remarks. No primary of secondary hydrological indicators were observed.											
i tomantoi	i to prinary	or secondary hydrolo	ogical indica	itors were od	served.						
SOILS		or secondary hydrolo		itors were od	served.						
SOILS Profile Descri	iption (Descri	be to the depth need	ded to docur	nent the indi	cator or co						
SOILS Profile Descri	iption (Descri		ded to docur	nent the indi	cator or co						
SOILS Profile Descri	iption (Descri	be to the depth need etion, RM=Reduced Matri	ded to docur	nent the indi	cator or co	tion: PL=P	ore Lining, M=Mati				
SOILS Profile Descri (Type: C=Concer	iption (Descri	be to the depth need etion, RM=Reduced Matri Matrix	ded to docur ix, CS=Covered	nent the indi d/Coated Sand (	cator or co Grains; Loca	tion: PL=P Mottl	ore Lining, M=Matr	ix)	Texture	Remarks	
SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Descri	be to the depth need etion, RM=Reduced Matri Matrix Color (Moist)	ded to docur ix, CS=Covered %	nent the indi	cator or co Grains; Loca	tion: PL=P	ore Lining, M=Mati		Texture	Remarks	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-154n44w33-e1					
VEGETATIO	N (Species identified in all uppercase) (Plot size: 30 ft. radius)	are non-native	species.)							
Thee Stratum	Species Name	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet					
1.			Dominant	maiotatuo						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (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>33.3%</b> (A/B)					
7.										
8.					Prevalence Index Worksheet					
9.					Total % Cover of: <u>Multiply by:</u>					
10.					OBL spp. 0 $x 1 = 0$					
	Total Cover = 0				FACW spp. $25$ x 2 = $50$					
					FAC spp. 25 X $3 = 75$					
	Stratum (Plot size: 15 ft. radius)				FACU spp. <u>60</u> x 4 = <u>240</u>					
1.	1				UPL spp. 0 $x 5 = 0$					
2.										
3.					Total <u>110</u> (A) <u>365</u> (B)					
4.										
5.					Prevalence Index = B/A = <u>3.318</u>					
6.										
7. •					Hydrophytic Vagatation Indicators:					
<u>8.</u> 9.		_			Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation					
10.	_]				Dominance Test is > 50%					
10.	 Total Cover	= 0			$\frac{1}{2} = \frac{1}{2} $					
Horb Stratum (	(Plot cizo: 5 ft, rodius)				Morphological Adaptations (Explain) *					
	Plot size: 5 ft. radius) Elymus repens	25	Y	FACU	Problem Hydrophytic Vegetation (Explain) *					
2.	Agrostis gigantea	25	Y	FACW	* Indicators of hydric soil and wetland hydrology must be					
3.	Symphyotrichum ericoides	20	<u>- ү</u>	FACU	present, unless disturbed or problematic.					
4.	Solidago gigantea	15	N	FAC	Definitions of Vegetation Strata:					
5.	Phleum pratense	10	N	FACU						
6	Sonchus arvensis	10	N	FAC	<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.	Oligoneuron rigidum	5	N	FACU	height (DBH), regardless of height.					
8.		1								
9.		1			Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.	P									
11.										
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.										
14.										
15.					Woody Vines - All woody vines, regardless of height.					
	Total Cover	= 110								
Woody Vine St	ratum (Plot size: 30 ft. radius)	_								
1.	1									
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.	Tatal Causa									
Remarka	Total Cover		rodton on	d heath a						
Remarks:	The upland sample point is dominated by c	juauk grass,	reatop an	iu neath as						
Additional Remarket										
Additional Remarks:										