WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP City/County: Carlton Sampling Date: 5/28/2014									
Applicant/Owner: Enbridge State: MN Sampling Point CRC5097a1U									
Investigator(s): NTT/KRG Section, Township, Range:									
Landform (hillslope, terrace, etc.): Side slope Local relief (concave, convex, none): CL									
Slope (%): 3 - 7% Lat.: 46.588257 Long.: -92.666317 Datum: WGS84									
Soil Map Unit Name: 533 NWI Classification: PFO/SSB									
Are climatic/hydrologic conditions of the site typical for this time of the year?									
Are vegetation, soil, or hydrology naturally problematic? circumstances" present? (If needed, explain any answers in remarks)									
(ii needed, explain any answers in remains)									
SUMMARY OF FINDINGS									
Hydrophytic vegetation present? Y Is the sampled area within a wetland? N									
Hydric soil present?									
ndicators of wetland hydrology present? N If yes, optional wetland site ID:									
Remarks: (Explain alternative procedures here or in a separate report.)									
The upland point is located in an open meadow within a powerline corridor. Vegetation is dominated by									
bracken fern and rough-leaf ricegrass.									
bracker rem and rough-real ricegrass.									
HYDROLOGY									
Secondary Indicators (minimum of two									
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) required) Surface Soil Cracks (B6)									
☐ High Water Table (A2) ☐ Aquatic Fauna (B13) ☐ Drainage Patterns (B10)									
☐ Saturation (A3) ☐ Marl Deposits (B15) ☐ Moss Trim Lines (B16)									
☐ Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) ☐ Dry-Season Water Table (C2)									
☐ Sediment Deposits (B2) ☐ Oxidized Rhizospheres on ☐ Crayfish Burrows (C8)									
☐ Drift Deposits (B3) ☐ Living Roots (C3) ☐ Saturation Visible on Aerial Imagery									
☐ Algal Mat or Crust (B4) ☐ Presence of Reduced Iron (C4) ☐ (C9)									
☐ Iron Deposits (B5) ☐ Recent Iron Reduction in Tilled ☐ Stunted or Stressed Plants (D1) ☐ Comparable Resident (D2)									
Inundation Visible on Aerial Imagery (B7) Soils (C6) Soils (C6) Geomorphic Position (D2) Shallow Aquitard (D3)									
Sparsely Vegetated Concave Other (Explain in Remarks) Signal Way Adultard (D3) Other (Explain in Remarks) Microtopographic Relief (D4)									
Surface (B8)									
Field Observations:									
Surface water present? Yes Depth (inches): Indicators of									
Water table present? Yes Depth (inches): wetland hydrology									
Saturation present? Yes Depth (inches): hydrology hydrology present? N									
(includes capillary fittige)									
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks:									
No wetland hydrology indicators present.									

SOIL							Samp	ling Point:	CRC5097a1U	
			to the de	epth needed to document the indicator or confirm Redox Features				the absence	of indicators.)	
Depth		Matrix	0/	0.1.7		T	l	Remarks		
(ln.)		(moist)	%	Color (mo	oist) %	Type*	Loc**	Texture		
0-4	Hue_10YR	2/1	100			-	-	L		
4-6	Hue_7.5YR	4/2	100			<u> </u>	 	FSL		
6-18	Hue_7.5YR	3/4	100			_	1	FSL		
							1			
						-	-			
			+ +			+	+	+		
							+			
							+			
						-	+			
*Type:	C=Concenti	ation, D=D	epletion,	RM=Reduced	Matrix, CS=C	overed or C	oated Sa	nd Grains		
	ion: PL=Por									
Hydric	Soil Indica	tors:					Indicat	ors for Prob	lematic Hydric Soils:	
☐ Histosol (A1) ☐ Histic Epipedon (A2) ☐ Black Histic (A3) ☐ Hydrogen Sulfide (A4) ☐ Stratified Layers (A5) ☐ Depleted Below Dark Suface (A11) ☐ Thick Dark Surface (A12) ☐ Sandy Mucky Mineral (S1) ☐ Sandy Gleyed Matrix (S4) ☐ Sandy Redox (S5) ☐ Stripped Matrix (S6) ☐ Dark Surface (S7) (LRR R, MLRA ☐ 149B) *Indicators of hydrophytic vegetation and wetland hydrology must be						A 149B) (S9) 9B eral (F1) trix (F2) 3) ee (F6) face (F7) s (F8)	Coast Prairie Redox (A16) (LRR K, L, R)			
Type:	tive Layer (i	f observed)):			Hydric soil present? N				
Remarl		indicators	s presen	t. Soil is a fi	ne sandy loa	m.				
		indicators	s presen	t. Soil is a fi	ne sandy loa	m.				