## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP City/County: Carlton Sampling Date: 5/19/2014									
Applicant/Owner: Enbridge State: MN Sampling Point CR135a2W									
Investigator(s): DGL/CPF Section, Township, Range:									
Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CC									
Slope (%): 3 - 7% Lat.: 46.6088811 Long.: -92.37862217 Datum:									
Soil Map Unit Name: 367  NWI Classification: PEM									
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 fleeded, explain any answers in remarks)									
SUMMARY OF FINDINGS									
Hydrophytic vegetation present?  Hydrophytic vegetation present?  Y  Hydric soil present?  Y  Is the sampled area within a wetland?  Y									
Indicators of wetland hydrology present? Y If yes, optional wetland site ID:									
Remarks: (Explain alternative procedures here or in a separate report.)									
The sample point is located in a recently-tilled agricultural field within an existing pipeline corridor. Standing									
water was present in many areas of the wetland at the time of survey.									
HYDROLOGY									
Primary Indicators (minimum of one is required; check all that apply)  □ Surface Water (A1)  □ High Water Table (A2)  □ Saturation (A3)  □ Water Marks (B1)  □ Drainage Patterns (B10)  □ Water Marks (B1)  □ Dry-Season Water Table (C2)  □ Sediment Deposits (B2)  □ Drift Deposits (B3)  □ Iron Deposits (B5)  □ Inundation Visible on Aerial  □ Imagery (B7)  □ Sparsely Vegetated Concave  Surface (B8)  Secondary Indicators (minimum of two required)  □ Recent Iron Reduction in Tilled  □ Surface Soil Cracks (B6)  □ Drainage Patterns (B10)  □ Dry-Season Water Table (C2)  □ Dry-Season Water Table (C2)  □ Dry-Season Water Table (C2)  □ Crayfish Burrows (C8)  □ Saturation Visible on Aerial Imagery  □ Crayfish Burrows (C8)  □ Saturation Visible on Aerial Imagery  □ Stunted or Stressed Plants (D1)  □ Geomorphic Position (D2)  □ Shallow Aquitard (D3)  □ Microtopographic Relief (D4)  □ FAC-Neutral Test (D5)									
Surface water present? Yes Depth (inches): Indicators of Water table present? Yes Depth (inches): wetland Saturation present? Yes Depth (inches): hydrology (includes capillary fringe)									
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks:									
Surface water is present in other areas of the wetland but not at the sample point. The soils could not be									
sampled, therefore, a water table could not be observed.									

SOIL Sampling Point: CR135a2W											
Profile	Description:	(Describe	to the de	onth needed to	o docume	ent the i	ndicator or	confirm	the absence of i	indicators )	
Depth		Matrix			epth needed to document the indicator or confirm  Redox Features					of indicators.)	
(ln.)		(moist)	%	Color (m	%	Type*	Loc**	Texture	Remarks		
(111.)	COIOI	(1110131)	70	0001 (111	oist)	70	Турс	LOC			
									+ +		
	ļ								<del>                                     </del>		
				RM=Reduce	d Matrix,	CS=Co	vered or Co	oated Sa	and Grains		
**Locat	tion: PL=Por	e Lining, M	1=Matrix								
Hydric	Soil Indica	tors:						Indicat	tors for Probler	natic 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) ☐ Stripped Matrix (S6) ☐ Dark Surface (S7) (LRR R, MLRA ☐ 149B) *Indicators of hydrophytic vegetation and weltand hydrology must be						x (F2) x (F2) c (F6) c (F8)	Coast Prairie Redox (A16) (LRR K, L, R)  Coast Prairie Redox (A16) (LRR K, L, R)  Sem Mucky Peat or Peat (S3) (LRR K, L, R)  Dark Surface (S7) (LRR K, L  Polyvalue Below Surface (S8) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Iron-Manganese Masses (F12) (LRR K, L, R)  Piedmont Floodplain Soils (F19) (MLRA 149B)  (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  (F7) Red Parent Material (F21)  Very Shallow Dark Surface (TF12)  Other (Explain in Remarks)				
Restrictive Layer (if observed): Type: Depth (inches):								Hydrid	c soil present?	<u>Y</u>	
	s are likely			-					the proximity of and topograph	of existing pipeline. nic position.	