## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP	City/County: Carlton	Sampling Date: 5/28/2014
Applicant/Owner: Enbridge	State: N	IN Sampling Point: CRC5168i1U
Investigator(s): BJC/DGL		Township, Range:
Landform (hillslope, terrace, etc.): Side slope	,	concave, convex, none): CL
Slope (%): <u>8 - 15%</u> Lat.: <u>46.629377</u>	_Long.: <u>-92.483488</u> Datur	
Soil Map Unit Name: 355E	for the contract the contract of	NWI Classification:
Are climatic/hydrologic conditions of the site typical Are vegetation, soil, or hydrol		(If no, explain in remarks)
		<u> </u>
Are vegetation, soil, or hydrol (If needed, explain any answers in remarks)	naturally problematic	? circumstances" present?
(II needed, explain any answers in remarks)		
SUMMARY OF FINDINGS		
Hydrophytic vegetation present? N	Is the sampled area wit	hin a wetland? N
Hydric soil present?		
Indicators of wetland hydrology present? N	If yes, optional wetland si	ite ID:
Remarks: (Explain alternative procedures here or in		
The upland sample point is located upslope		nardwood forest. Vegetation is
dominated by Carex pedunculata and Maiar	nthemum canadense.	
HYDROLOGY		
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Ada Mater Table (A2) Methods Me	eck all that apply) ater-Stained Leaves (B9) quatic Fauna (B13) arl Deposits (B15) ydrogen Sulfide Odor (C1) xidized Rhizospheres on ving Roots (C3) resence of Reduced Iron (C4) recent Iron Reduction in Tilled bils (C6) nin Muck Surface (C7) ther (Explain in Remarks)	Secondary Indicators (minimum of two required)  Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations: Surface water present? Water table present? Saturation present? (includes capillary fringe)  Yes  Ves  I  Ves  I  Ves	Depth (inches):  Depth (inches):  Depth (inches):	Indicators of wetland hydrology present? N
Describe recorded data (stream gauge, monitoring	well, aerial photos, previous inspec	ctions), if available:
Remarks:		
No indicators of wetland hydrology were of	bserved.	

SUIL							Samp	oling Point:	CRC5168i1U
		•	to the de	pth needed to do			r confirm	the absence	of indicators.)
Depth		Matrix	101		edox Featur		1	-l I	Remarks
(ln.)		(moist)	%	Color (moist)	%	Type*	Loc**	+	
0-8	Hue_7.5YR		100					SICL	
8-18	Hue_7.5YR	3/3	100					SL	
								<b>_</b>	
								<b>_</b>	
								+	
								+	
								+	
*T	C-Canaanti	otion D-D	onletion	RM=Reduced Ma	triv CC-Ca	varad ar C	antad C	and Crains	
	ion: PL=Por			RIVI=Reduced IVIA	illix, US=UC	ivered of C	oaled S	and Grains	
	Soil Indica	<u> </u>	-Watrix				Indica	tors 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  *Indicators of hydrophytic vegetation and wetland hydrology must be					face  149B)  Coast Prairie Redox (A16) (LRR K, L, R)  Soy  Bal (F1)  Dark Surface (S7) (LRR K, L)  Thin Dark Surface (S9) (LRR K, L)  Iron-Manganese Masses (F12) (LRR K, L, R)  Piedmont Floodplain Soils (F19) (MLRA 149B)  (F6)  Mesic Spodic (TA6) (MLRA 144A, 145, 149B)  (F8)  Cother (Explain in Remarks)				
Type:	tive Layer (it	f observed)	•		_		Hydri	c soil presen	t? <u>N</u>
Remar No i	ks: ndicators (	of hydric s	oil were	present.					