WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Sandpiper	City/County:	Wadena	Sampling Da	te: 09/13/2014	
Applicant/Owner: Enbridge		State: M	IN Sampling	Point: WA017b5W	
Investigator(s): DPT		Section, 1	Гownship, Range:		
Landform (hillslope, terrace, etc.): Depression	Lo		oncave, convex, none):	Concave/Linear	
Slope (%): 0 Lat.:	Long.:	Datur	n:		
Soil Map Unit Name			NWI Classification:		
Are climatic/hydrologic conditions of the site typical	for this time of the year	r?	(If no, explain in rema	arks)	
Are vegetation, soil, or hydrolog		ly disturbed	? Are "normal	,	
Are vegetation , soil , or hydrological , or hydrological , soil , soil , or hydrological , soil ,		roblematic?		es" present? Yes	
(If needed, explain any answers in remarks)	" 				
SUMMARY OF FINDINGS					
Hydrophytic vegetation present? Y	is the sample	d area with	nin a wetland?	Υ	
Hydric soil present?	is the sample	a arca witi		<u> </u>	
	If you options	l watland air	te ID: WA017	'h1\\/	
Indicators of wetland hydrology present? Y	If yes, optional	i welland Si	WAUT	DIVV	
Remarks: (Explain alternative procedures here or in a separate report.)					
PSS - Type 6, alder thicket					
F33 - Type 0, aluer trilcket					
HYDROLOGY					
TIT DICOLOGI			Secondary Indicators	/minimum of two	
Drimary Indicators (minimum of one is required; she	ole all that apply		required)	, (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
Primary Indicators (minimum of one is required; check all that apply)				ko (PG)	
	Water-Stained Leaves (B9)		Surface Soil Cracks (B6)		
	Aquatic Fauna (B13)		Drainage Patterns (B10)		
	Marl Deposits (B15)		Moss Trim Lines (B16) Dry-Season Water Table (C2)		
	Hydrogen Sulfide Odor (C1)			Crayfish Burrows (C8)	
	Oxidized Rhizospheres on Living Roots (C3)		Saturation Visible on Aerial Imagery		
	Presence of Reduced Iron (C4)			on Aenai imagery	
			(C9)	ad Blanta (D1)	
	Recent Iron Reduction in Tilled Soils (C6)			Stunted or Stressed Plants (D1) X Geomorphic Position (D2)	
	Muck Surface (C7)		Shallow Aquitard		
· · · · · · · · · · · · · · · · · · ·	er (Explain in Remarks)		X FAC-Neutral Test	, ,	
Surface (B8)			Microtopographic	Relief (D4)	
Field Observations:					
Surface water present? Yes No	X Depth (inches)) :	Indicators of	of	
Water table present? Yes X No	Depth (inches)		wetland	·-	
Saturation present? Yes X No	Depth (inches)		hydrology	,	
(includes capillary fringe)		,	present?	Υ	
(morados sapinary mingo)			procenti		
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
			,		
Remarks:					

SOIL WA017b5W **Sampling Point:** Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features Texture Remarks (Inches) Color (moist) % Loc** Color (moist) Type* 0-2 10YR 2/1 100 Mucky sand С 2-10 10YR 4/2 70 10YR 5/8 30 Sand Μ 10-20 10YR 5/2 90 10Yr 4/6 10 С М Sand *Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains *Location: PL=Pore Lining, M=Matrix **Hydric Soil Indicators: Indicators for Problematic Hydric Soils:** 2 cm Muck (A10) (LRR K, L, MLRA 149B Histisol (A1) Polyvalue Below Surface Histic Epipedon (A2) (S8) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L Hydrogen Sulfide (A4) (LRR R, MLRA 149B Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) Depleted Below Dark Suface (A11) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Matrix (F3) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Dark Surface (F6) Red Parent Material (F21) X Sandy Redox (S5) Depleted Dark Surface (F7) Stripped Matrix (S6) Redox Depressions (F8) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA Other (Explain in Remarks) 149B) *Indicators of hydrophytic vegetation and weltand hydrology must be present, unless disturbed or problematic Restrictive Layer (if observed): Hydric soil present? Y Depth (inches): Remarks: