	WETLAND DETER	RMINATION DAT	A FORM - North Cen	ntral and Nor	theast Region			
SPP Project/Site:	Cit	Clearwater City/County:		_	2015-07-09 Sampling Date:			
Enbridge Applicant/Owner:	ge		Minnesota State:		CL005h1U Sampling Point:		5h1U	
ACN Investigator(s):	Л/LEB	S	ection, Township, Ran	ige:				
Landform (hillslope, terrace, etc.)	rise	、	Local Relief (conca		Conve	Slope	0-2 e (%):	
Subregion (LRR or MLRA):		Latitude:	47.7169335633	- Longitude:	95.55411156	N Datum:	1innesota State	
582								
Soil Map Unit Name:					NWI Clas	sification: Yes		
Are climatic/hydrologic condition								
Are Vegetation No, Soil No Are Vegetation No, Soil No,								
SUMMARY OF FINDINGS - Att	ach site map show	ving sampling point	locations, transects,	important fea	tures, etc.			
Hydrophytic Vegetation Present?		No	Is the Sampled Are	ea				
	_	Yes		-		No		
Hydric Soil Present?	-	No	within a Wetland?					
Wetland Hydrology Present? Remarks: (Explain alternative pro			If yes, optional We	etiand Site ID:				
HYDROLOGY								
Wetland Hydrology Indicators:				S	econdary Indicat	ors (minimun	n of two required)	
Primary Indicators (minimum of	one is required: ch	eck all that apply)		-	Surface Soil			
Surface Water (A1)		Water-Stained Le	aves (B9)		Drainage Pa			
High Water Table (A2)	_	Aquatic Fauna (B1			Moss Trim L			
Saturation (A3)	_	Marl Deposits (B1	.5)		Dry-Season	Water Table (C2	!)	
Water Marks (B1)	_	Hydrogen Sulfide	Odor (C1)		Crayfish Bur	rows (C8)		
Sediment Deposits (B2)	_	Oxidized Rhizosph	neres on Living Roots (C3)		Saturation V	isible on Aerial I	magery (C9)	
Drift Deposits (B3)	_	Presence of Redu	ced Iron (C4)		Stunted/Stressed Plants (D1)			
Algal Mat or Crust (B4)	_	Recent Iron Redu	ction in Tilled Soils (C6)		Geomorphic Position (D2)			
Iron Deposits (B5) Thin		Thin Muck Surfac	e (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7) Other		Other (Explain in	Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Concave Su	rface (B8)				FAC-Neutral	Test (D5)		
Field Observations: Surface Water Present?	No	Depth (inche						
Water Table Present?	No	Depth (inche Depth (inche	-					
Saturation Present?	No	Depth (inche		Wetla	nd Hydrology Pre	esent?	No	
(includes capillary fringe)					, , , , , , , , , , , , , , , , , , , ,			
Describe Recorded Data (stream	gauge, monitoring	well, aerial photos,	, previous inspections)	), if available:				
Remarks:								
	wara absorved							
No wetland hydrology indicators	, were observed.							

## VEGETATION - Use scientific names of plants.

Sampling Point: CL005h1U

			Absolute	Dominant	Indicator	Dominance Test worksheet:
ee Stratum	(Plot Size:	)	% Cover	Species?	Status	Number of Dominant Species
						That Are OBL, FACW, or FAC: (A)
				_		Total Number of Dominant
						3
·						Species Across All Strata: (B)
l						Percent of Dominant Species
			_			0 That Are OBL, FACW, or FAC:(A/B)
				_	_	Prevalence Index worksheet:
					_	Total % Cover of: Multiply by:
			0	= Total Cover		OBL species 0.00 x 1 0
apling/Shrub Stratum (I	Plot Size:	)				FACW species 12.00 x 2 24
					_	FACU species 0.00 x 3 220
						UPL species 27.00 x 4 135
						Column Totals <u>94</u> (A) <u>379</u> (B)
l						Prevalence Index = $B/A = \frac{4.0319148}{4.0319148}$
i				_		Hydrophytic Vegetation Indicators:
						1 - Rapid Test for Hydrophytic Vegetation
						no 2 - Dominance Test is > 50%
			0	= Total Cover		no 3 - Prevalence Index is $\leq 3.0^1$
lerb Stratum (Plot Size:	5)			_		4 - Morphological Adaptations <sup>1</sup> (Provide
Solidago canadensis			30.00	Yes	FACU	supporting data in Remarks or on a separate sheet)
Bromus inermis			25.00	Yes	UPL	<ul> <li>Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)</li> </ul>
Poa pratensis			25.00	Yes	FACU	
Poa palustris			5.00	No	FACW	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Carex granularis			5.00	No	FACW	Definitions of Vegetation Strata:
Phalaris arundinacea			2.00	No	FACW	
Asclepias syriaca			2.00	No	UPL	Tree - Woody plants 3 in. (.76 cm) or more in diameter at breast
8						height (DBH), regardless of height.
)						Sapling/Shrub - Woody plants less than 3 in. DBH and greater that
.0						or equal to 3.28 ft (1 m) tall.
						<ul> <li>Herb - All herbaeceous (non-woody) plants, regardless of size, an</li> </ul>
1						woody plants less than 3.28 ft tall.
			94	= Total Cover		<ul> <li>Woody vines - All woody vines greater than 3.28 ft in height.</li> </ul>
Noodu Vino Stratum (Dl	at Cizar	1	<u> </u>			woody wites - Air woody wites greater than 5.20 ft in height.
<u>Noody Vine Stratum</u> (Ple L.	Jt 5126.	/				
						— Hydrophytic
						Vegetation
·						Present?
·						-1
			0	=Total Cover		
Remarks: (include photo	numbers here or on a	separate sheet.	)			
The vegetation is domina	ated by Canada goldenr	od, smooth bro	me, and Kentucky	bluegrass.		

SOIL

## Sampling Point: CL005h1U

Profile Descript Depth	tion: (Describe to the Matrix	depth ne		<b>e indicat</b> o Features		nfirm th	the absence of indicators.)
(inches) 0-10	Color (moist) 10YR 2 1	% 100	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	<sup>2</sup> Texture Remarks sicl
10-24	10YR 6 1	95	10YR 5 6	 5	c	 M	cl
10-24	10YR 6 1	95 95    	10YR 5 6		S8) (LRR R R R, MLRA ) (LRR K, L		cl
	ice (S7) <b>(LRR R, MLRA 149E</b>	3) Г			<u> </u>		Other (explain in remarks)
Restrictive Layer (	if observed):	L					
	nches):					H	Hydric Soil Present? Yes
Remarks:							
The soils are silty	clay loam over clay loam,	meeting hy	dric soil indicator A11. The	hydric fea	atures are	erelict; we	wetland hydrology and hydrophytic vegetation are absent.