APPENDIX L

Wetlands Delineation Report and Approval Letters

WETLAND DELINEATION REPORT

FORMER WABASH ALLOYS PROPERTY OAK CREEK, MILWAUKEE COUNTY, WISCONSIN

PREPARED FOR:

Connell Aluminum Properties, LLC
One International Place
Fort Hill Square, 31st Floor
Boston, Massachusetts 02110
and
Natural Resource Technology, Inc.
23713 W. Paul Road, Ste. D
Pewaukee, Wisconsin 53072

OCTOBER 23, 2013

INTRODUCTION

A wetland delineation of the former Wabash Alloys property was conducted on June 4, 2013. The current property owner is Connell Aluminum Properties, LLC. The property address is 9100 S. 5th Street and is located east of 5th Avenue and south of E. Depot Rd in the City of Oak Creek, Milwaukee County, Wisconsin (Exhibit 1). The site is further located in Section 24, Township 5 North, Range 22 East. The property consists of a wetland, the former Wabash Alloys building and modified old industrial property. The building is in the process of being demolished and the property is undergoing investigation and planning for an environmental cleanup.

EXISTING DATA

The United States Geological Survey topographic map (Exhibit 2) does not indicate any wetlands, streams or open water on the property. The Wisconsin Wetland Inventory map indicates one wetland on the property (Exhibit 3). The Flood Insurance Rate Map (Exhibit 4) indicates no mapped floodplain or floodway on the property. The Milwaukee County Soil Survey (Exhibit 5) indicates the hydric soil Ashkum silty clay loam (AsA) on the property.

WETLAND DELINEATION

Wetlands on the property were delineated on June 4, 2013 by Vince Mosca and Steve Rauch of Hey and Associates, Inc. using procedures outlined in the 1987 Corps of Engineers' (Corps) Wetland Delineation Manual and the 2010 Regional Supplement to the Corps Wetland Delineation Manual: Midwest Region. The entire property was inspected, with areas mapped as wetland or supporting wetland plant species prioritized for investigation. If inspection revealed that wetland plant species comprised more than 50 percent of the plant cover, the suspected wetland was further examined for field indicators of hydric soil and hydrology. The Corps-accepted field indicators of hydric soil include: gleyed and low chroma matrix and mottle colors, and iron and manganese concretions. Necessary hydric soil indicators were field verified in the wetland area. The Corps-approved field indicators of hydrology include: visual observation or photographic evidence of soil inundation or saturation during the growing season, oxidized channels associated with living roots and rhizomes, water marks, drift lines, waterborne sediment deposits, waterstained leaves, surface scoured areas and drainage patterns. Wetland hydrologic criteria were met in the area delineated as wetland.

A list of observed plant species in the wetland areas was compiled and data were gathered to complete Corps jurisdictional dataforms. A native vegetative quality rating was calculated for each wetland using the Wisconsin Floristic Quality Assessment (FQA). The FQA method assigns to plant species a rating that reflects the fundamental conservatism that the species exhibits for natural habitats. A native species that exhibits specific adaptations to a narrow spectrum of the environment is given a high rating. Conversely, an introduced, ubiquitous species that exhibits adaptations to a broad spectrum of environmental variables is given a low rating. Utilizing this method, a Floristic Quality Index (FQI) is derived for a given area. The FQI is an indication of native vegetative quality for an area: generally 1-19 indicates low vegetative quality, 20-35 indicates high vegetative quality and above 35 indicates "Natural Area" quality.

RESULTS

One wetland (Wetland 1) that occupies approximately 1.26-acres was delineated on the property. The surveyed wetland boundaries are shown on an aerial photograph in Exhibit 6. A list of the observed plant species for the wetland area is given in Exhibit 7. The Corps' jurisdictional dataforms for upland and wetland areas are included as Exhibit 8. Representative color photographs of the upland and wetland areas are provided in Exhibit 9. Following is a table that summarizes the delineated wetland:

Wetland	Area (acres)	FQI¹	Native Mean C ²	Wetland Type	Dominant Vegetation
1	~1.26	12.2	2.5	Wet prairie/Marsh	See data sheets (Exhibit 8)

¹ The Floristic Quality Index (FQI) is an indication of native vegetative quality for an area: generally 1-19 indicates low vegetative quality; 20-35 indicates high vegetative quality; and above 35 indicates "Natural Area" quality.

Wetland 1 is a wet prairie that receives hydrology by overland flow. The wetland area likely has formed in its current location as a consequence of site drainage patterns that have been dictated by the land uses of the property. Two separate railroad spurs used to occupy the property. Both resulting railroad beds dictated to a large degree the flow of local surface water runoff from the building and parking lots. The runoff sheet drained to the east from the impervious surfaces to, at least in part, form the wetland area.

The entire eastern portion of the property was modified and influenced by previous activities. These include the modifications made to the land by the industrial facility and the construction of the access road to the water treatment facility on Lake Michigan that occurs directly south of the property. The grading, excavation

² The Native Mean C is an indication of native vegetative quality for an area. Areas with value of 3.5 or greater are considered high quality.

Hey and Associates, Inc.

and berming associated with this access road, including the installation of a "bee-hive" drainage outlet at the terminus of the on-site wetland area, largely defines the local hydrology.

The entire wetland area has a mixed soil matrix, although there is evidence that hydric features have reformed in the soil profile. The local water table appears to be perched in the heavy clay and compacted soils. Some surface ponding was evident, primarily dictated by seasonal precipitation patterns.

Some hydrophytic vegetation, mostly sandbar willow (*Salix exigua*) and eastern cottonwood (*Populus deltoids*) occurs on the old railroad bed at the north end of the site. Although partially dominated by wetland vegetation, the soil profile was non-hydric and no water table or other hydrologic features were observed (see data sheet 4).

One spot depressional area (Exhibit 6) was observed along the north side of the railroad bed. This area appears to collect local runoff and does not appear to drain anywhere. This area (approximately 100 sq. feet) was unvegetated and appears to be a relict of the grading for the railroad embankment. Exemption from regulation due to it being created by human induced activities is requested.

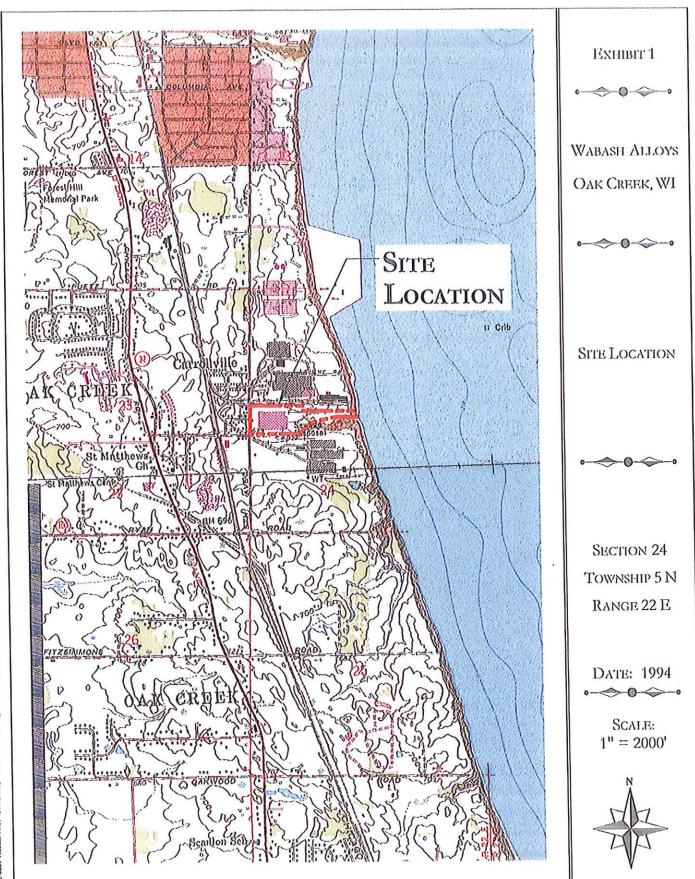
It should be noted that the site has occurred in its current condition for an extended period of time and now exhibits "normal circumstances," albeit previously disturbed. Therefore the site was not delineated using "atypical situations" criteria.

SUMMARY AND CONCLUSIONS

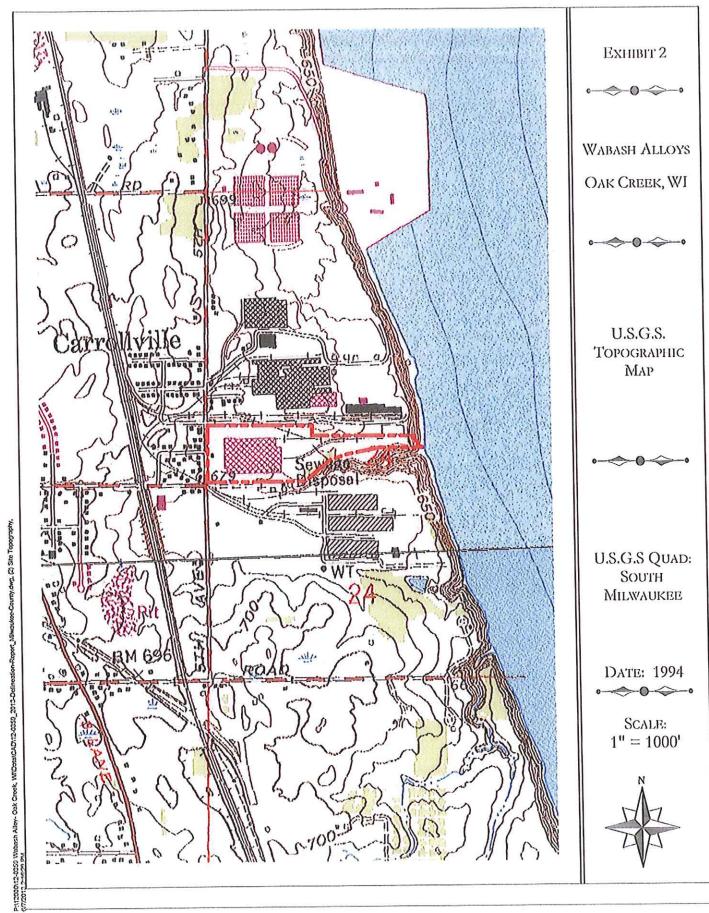
The wetland delineation of the former Wabash Alloy property revealed one wetland area totaling an estimated 1.26-acre. On June 19, 2013, Jesse Jensen, Tom Nedland and Stacy Hron from the WDNR and Anthony Jernigan from the Army Corps of Engineers conducted a field visit. The wetland boundary as shown in this report was walked and a preliminary boundary concurrence was given by both agencies. Final concurrence will be subject to review and approval of this report. A portion of the upland is dominated by adventive hydrophytic vegetation. This area was discussed during the meeting and it was agreed that it would not be considered a jurisdictional wetland since it is an old railroad bed and does not meet wetland criteria.

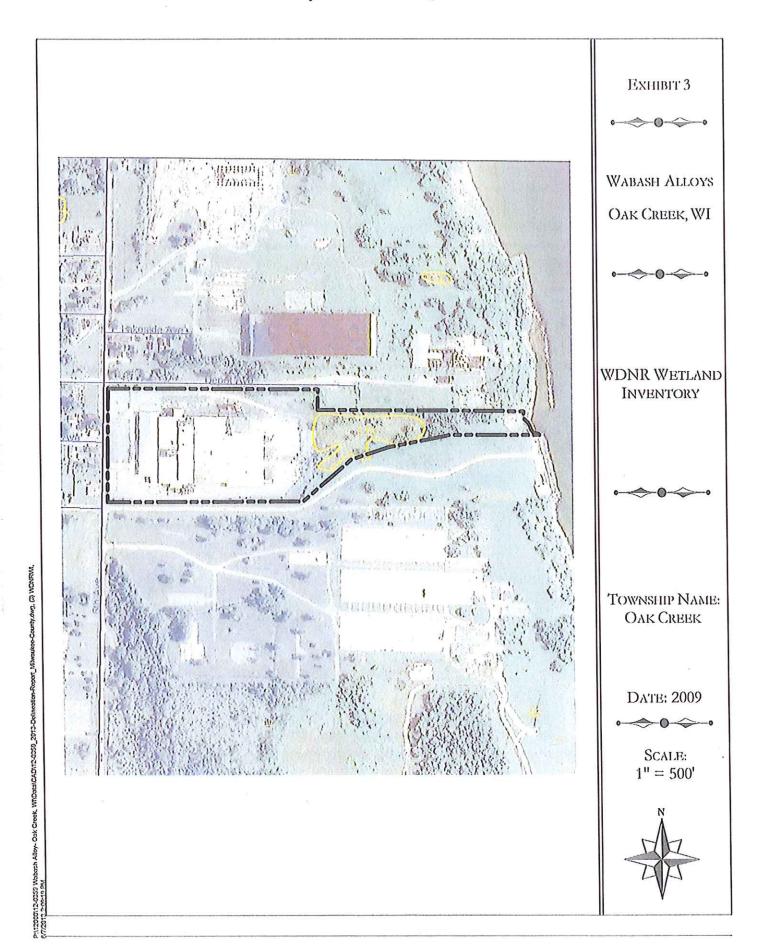
With the proximity of the wetland to Lake Michigan and an apparent hydrologic connection via a storm sewer network, it is likely that the site will be under federal jurisdiction. These areas cannot be filled or otherwise impacted without permit authorization issued by the appropriate agencies. No work which would

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result in wetland impacts shiftrst received.	ould be undertaken u	nless project autho	orization from the r	esource agencies is		
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P:(12000(12-2555 Whatch Alloy- Oak Greek, WnData)CAD(12-0559_2013-Defineation-Report_Milwaukko-County-owg, (7) Site Location, 10/1/2013 2-16300 PM, RICOH C5300_C.p.c.







Ехнівіт 4



Wabash Alloys Oak Creek, WI



FLOOD Insurance Rate Map



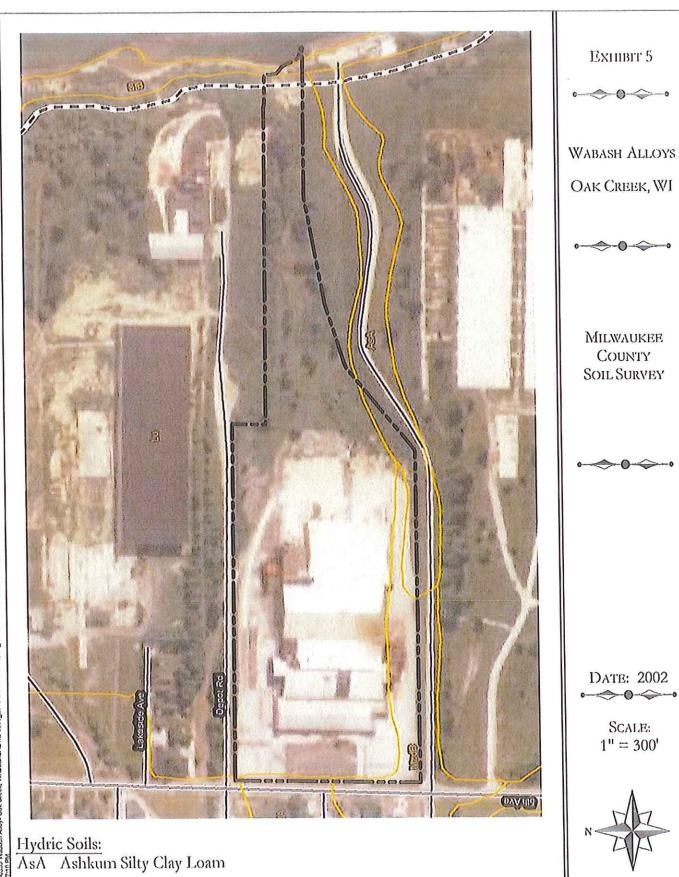
Panel 188 Map Number 55079C0188E

DATE: SEPT. 26, 2008 • ◆ • • • • •

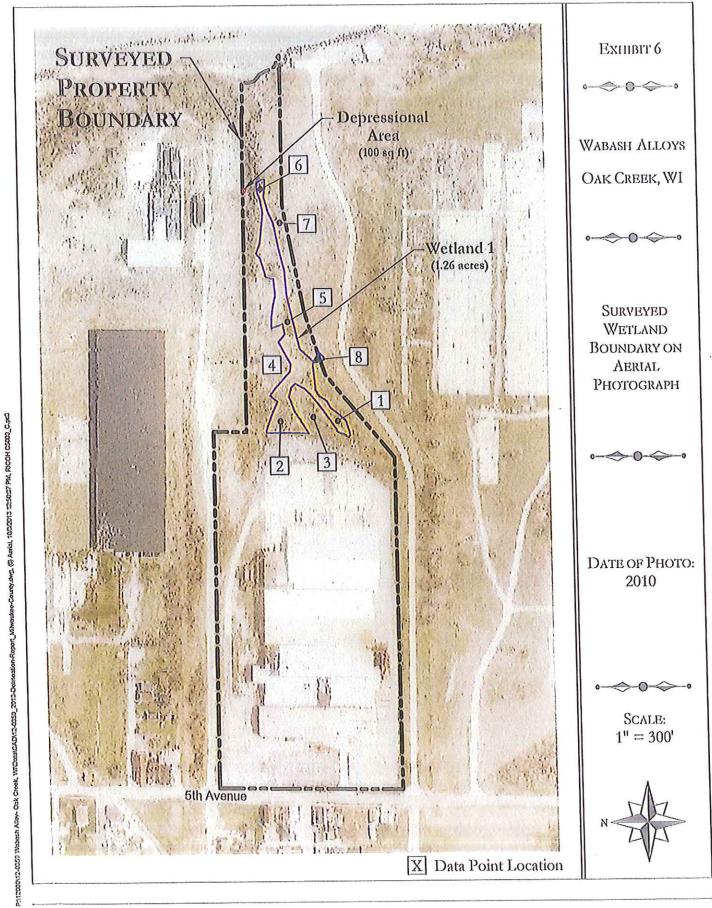
SCALE: 1'' = 500'



abash Alloy- Oak Creek, WhDatalCAD112-0359_2013-Delineation-Report_Milwaukeo-County.dwg.



24. Oak Crack MinDatalCAD112-0259 2013-Delineation-Report, Milwai



	Ехнівіт 7
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	Wabash Alloys
	OAK CREEK, WI
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	Observed Plan't Species Lists
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Wabash Alloy

06/04/2013

Inventoried By:

Vince Mosca Steve Rauch

Plant Community:

Wetland

Floristic Quality Summary:

Title	Count	Mean C	FQI
Native Species	24	2.5	12.2
Total Species	32	1.9	10.6

Native Physlognor	nic Summary:	Non-Native Physiog	Non-Native Physiognomic Summary:					
Title	Count Percer	t Physiognomy	Count Percent					
<black></black>	1 3.1	<black></black>	1 3.1					
Evergreen Ally	0.0	Evergreen Ally	0 0.0					
Evergreen Shrub	0.0	Evergreen Shrub	0 0.0					
Fern	0.0	Fern	0 0.0					
Fern Ally	1 3.1	Fern Ally	0.0					
Forb	5 15.6	Forb	2 6.3					
Grass	0.0	Grass	2 6.3					
Herbaceous Vine	0.0	Herbaceous Vine	0 0.0					
Rush	1 3.1	Rush	0 0.0					
Sedge	2 6.3	Sedge	0.0					
Shrub	6 18.8	Shrub	1 3.1					
Tree	5 15.6	Tree	1 3.1					
Tree/Shrub	1 3.1	Tree/Shrub	0.0					
Woody Vine	2.63	Woody Vine	1 3 1					

Taxon Code: ACENEG	Scientific Name Acer negundo L.	C of C Native	Physiognom Region 3 Tree FACW-
ALLPET	(M.BIEB.) CAVARA & GRANDE	0 🗖	Forb FAC
ASTNOV	Aster novae-angliae L.	3 X	Forb FACW
CORRAC	Cornus racemosa Lam.	2 X	Shrub
CORSTO	Cornus stolonifera Michx.	3 K	Shrub FACW
DIPSYL	DIPSACUS SYLVESTRIS HUDS.	о _П	Forb NI
ELEERY	Eleocharis erythropoda Steud.	3 K	Sedge OBL
EQUARV	Equisetum arvense L.	1 🗵	Fern Ally FAC
FRAVIR	irginiana Duchesne	1 🗵	Forb FAC-
FRAPEN	nnsylvanica Marshall	2 🗵	Tree FACW
GEUCAN	Geum canadense Jacq.	2 X	Forb FAC
JUNDUD	Juncus dudleyi Wiegand	4 🔀	Rush
MONFISVFIS	Monarda fistulosa L. var. fistulosa	3 K	Forb FACU
PARQUI	Parthenocissus quinquefolia (L.) Planch.	5 🔀	Woody Vine FAC-

				T.	
PHAARU	PHALARIS ARUNDINACEA L.	0	П	Grass	FACW+
POAPRA	POA PRATENSIS I	0		Grass	FAC-
POPDELsMON	Populus deltoldes Bartram ex Marshall subsp. mor	2	X	Tree	FAC+
POPTRE	Populus tremuloides Michx.	2	X	Tree	FAC
RHAFRA	RHAMNUS FRANGULA L.	0		Shrub	FAC+
RHURADVVUL	Rhus radicans L. var. vulgaris (Michx.) DC.	2	X	Shrub	FAC
RIBAME	Ribes americanum Mill.	4	X	Shrub	FACW
RUBOCC	Rubus occidentalis L.	2	X	Shrub	
SALFRA	SALIX FRAGILIS L.	0		Tree	FAC+
SALINT	Salix Interior Rowlee	2	X	Shrub	OBL
SALNIG	Salix nigra Marshall	4	X	Tree	OBL
SCIATR	Scirpus atrovirens Willd.	3	X	Sedge	OBL
SOLDUL	SOLANUM DULCAMARA L.	0		Woody Vine	FAC
SOLGIG	Solidago gigantea Alton	3	X	Forb	FACW
TYPANG	TYPHA ANGUSTIFOLIA I	0			OBI.
TYPLAT	Typha latifolia L.	1	X		OBL
VIBLEN	Viburnum lentago L.	4	X	Tree/Shrub	FAC+
VITRIP	Vills riparia Michx.	2	X	Woody Vine	FACW-

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	Ехнівіт 8
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	Wabash Alloys
	OAK CREEK, WI
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y	Jurisdictional Dataforms
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Project/Site Wabash Alloy	City/	City/County: Oak Creek/ Milwaukee County Sampling Date:				
Applicant/Owner: Connell Aluminum Properties,	LLC	State: Wisconsin Sampling Point:				
Investigator(s): Vince Mosca, Steve Rauch		Sec	dion, Towns	hip, Range: 24, 22N, 5E		
Landform (hillslope, terrace, etc.):				ncave, convex, none): concave		
Slope (%): Lat: 42.8779	09	Long:		58 Datum:		
Soil Map Unit Name: loamy land				// Classification:		
Are climatic/hydrologic conditions of the site typical f	or this time of	the year?		f no, explain in remarks)		
		significantly d		N		
		naturally prob		N Are "normal circumstances" present? Y		
SUMMARY OF FINDINGS		matarany proc		(If needed, explain any answers in remarks.)		
Hydrophytic vegetation present? Y				(ir nooded, explain any anothers in remainer)		
Hydric soil present?		le the ear	unlad area	within a wetland?		
Wetland hydrology present? Y			optional we	lland site ID:		
Remarks: (Explain alternative procedures here or in	a separate re	port.)				
Old	disturbance:	now "norma	l circumst	ances"		
				and the second s		
VEGETATION Use scientific names of pla	nts.			T		
T 01-1	Absolute	AND THE RESERVE AND THE PARTY.	Indicator	Dominance Test Worksheet		
Tree Stratum (Plot size:)		25C 5 50	Status	Number of Dominant Species that		
1 Populus delloides	5	Y	FAC	are OBL, FACW, or FAC:5(A)		
2				Total Number of Dominant Species Across all Strata: 5 (B)		
6				Percent of Dominant Species that are OBL, FACW, or FAC: 100.00% (A/B)		
,	- 5	= Total Cover		100.00% (VB)		
Sapling/Shrub stratum (Plot size:	,	·		Prevalence Index Worksheet		
1 Frexinus pennsylvanica	_' 5	Υ	FACW	Total % Cover of:		
2 Cornus stolonifera	- 5	Υ Υ	FACW	OBL species 50 x1= 50		
3				FACW species 10 x 2 = 20		
4	-		•	FAC species 25 x 3 = 75		
5	_			FACU species 0 x4 = 0		
	10	= Total Cover		UPL species 0 x 5 = 0		
Herb stratum (Plot size:	_)			Column totals 85 (A) 145 (B)		
1 Typha latifolia	50	Y	OBL	Prevalence Index = B/A = 1.71		
2 Equisolum arvense	20	. <u> </u>	FAC	The state of the s		
3 Juncus dudleyi	10	N	NI	Hydrophytic Vegetation Indicators:		
4				Rapid test for hydrophytic vegetation		
5				X Dominance test is >50%		
6		•		X Prevalence index is ≤3.0*		
8		•	*	Morphological adaptations* (provide		
9		•		supporting data in Remarks or on a separate sheet)		
10		• ——				
10	80	= Total Cover		Problematic hydrophytic vegetation* (explain)		
Woody vine stratum (Plot size:	1	- 10(01 00)01				
1	'			*Indicators of hydric soil and welland hydrology must be present, unless disturbed or problematic		
2		• •		Hydrophytic		
	0	= Total Cover		vegetation		
				present? Y		
Remarks: (Include photo numbers here or on a sep	arate sheet)					

Sampling Point:

1

	cription: (Descri	be to th	e depth ne				Indicate	or or confirm the	absence	of indicators.)
Depth (Inches)	Malrix Color (moist)	%	Color (m	1000	dox Feal %	<u>rres</u> Type*	Loc**	Texture		Remarks
		70	Color (II	10151)	/*	Type	1.00			
0-2	10YR 2/1		40040	- IO	-			SCL		minor topsoil
2-12	2.5Y 4/2	80	10YR	5/6	5		M	SCL		mollies
	,									
				-						
Tyne: C = (Concentration, D :	: Denleti	ion RM = 1	Reduc	ed Matrix	MS=A	Assked S	and Grains **	'l ocation	: PL = Pore Lining, M = Matrix
	oll Indicators:	- Depiet	1011, 14141 1	toduc	GG Matil	, 1410 - 14	naskou o			matic Hydric Solls:
more processing and	lisol (A1)			Sai	ndy Gley	art Matrix	(54)			lox (A16) (LRR K, L, R)
	lic Epipedon (A2)		-		ndy Redo		((04)	-) (LRR K, L)
	ck Histic (A3)		-	-	pped Ma					or Peat (S3) (LRR K, L, R)
•	drogen Sulfide (A	4)	-	-	amy Muc					Masses (F12) (LRR K, L, R)
	alified Layers (A5		·		- T	150				k Surface (TF12)
)	7	-	amy Gley				xplain in r	
	m Muck (A10)	. Curios		_	pleted M			— Ollier (ex	xpiain in i	iemarks)
	pleted Below Dark		e (A11) -		dox Dark					
	ck Dark Surface (-		pleted Da			*Indicators	s of hydro	phytic vegetation and wetland
	ndy Mucky Minera			— Re	dox Dep	essions	(84)	hydrology		present, unless disturbed or
	m Mucky Peat or		3)					8 8 8 8 MARSO		problematic
testrictive	Layer (if observ	ed):								
							1	***	•	
						-		Hydric soll	l present	17 <u>Y</u>
Type: Depth (inch Remarks:	68):					•		Hydric soll	l present	? <u>Y</u>
Depth (Inche) Remarks: Appears	to be relatively	y newly	formed I	nydric	soils in	a distri	ubed m	Hydric soli		
Depth (Inchorence) Remarks: Appears	s to be relatively		formed I	nydric	solls in	a distr	ubed m			
Depth (Inchi Remarks: Appears HYDROLG Vetland Hy	s to be relatively	ors:					ubed m	atrix; obvious se	eaon po	nding
Appears HYDROL Vetland Hy Primary Ind	o to be relatively OGY ordrology Indicate leators (minimum	ors:			all that s	(ylgqı		atrix; obvious se <u>Seco</u> r	eaon po	nding leators (minimum of two requi
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Appears Appears Appears Appears Appears Appears Appears Appears Appears Alpha Water Magal Mag	OGY ordrology Indicate leators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeric y Vegelated Conce Stained Leaves (B5) provations:	ors; of one is al Imager ave Surfa	s required; y (B7) ace (B8)	check	all that a Aquatic True Ac Hydrog Oxidize (C3) Present (C6) Thin Mu	ipply) Fauna (E juatic Pla en Sulfide d Rhizosy ce of Red fron Red uck Surfa or Well D Explain In	B13) Ints (B14) Ints (Secon X I) Living Roots (C4) Tilled Solls X	eaon po ndary Indi Surface S Drainage Dry-Seas Crayfish I Saturation Stunted of Geomorp FAC-Neu	icators (minimum of two requison Cracks (B6) Patterns (B10) Ion Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Or Stressed Plants (D1) Inchic Position (D2) Idral Test (D5)
Appears Appears Appears Appears Appears Appears Appears Appears Velland Hy Ind X Surface High Water M Sedime Drift De Algal Mater M Iron De Inundati Sparsel Water-S Field Obse Surface wa	OGY vdrology Indicate leators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeria y Vegetated Conca Stained Leaves (B5) revations: ler present?	ors; of one is al Imager ave Surfa 3)	s required; y (B7) ice (B8)	check	all that a Aquatic True Ac Hydrog Oxidize (C3) Present (C6) Thin Mu	rpply) Fauna (E juatic Plai en Sulfide d Rhizosy ce of Red iron Red ick Surfa or Well D Explain In	ants (B14) a Odor (Copheres on uction in Total (D9) a Remarks (inches):	Secon X I) Living Roots (C4) Tilled Solls	eaon po mdary Indi Surface S Drainage Dry-Seas Crayfish I Saturation Stunted of Geomorp FAC-Neu	icators (minimum of two requison Cracks (B6) Patterns (B10) Fon Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) For Stressed Plants (D1) For Costion (D2) For Itest (D5)
Appears HYDROL Vetland Hy Primary Ind X Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel Water-S Field Obse Surface wa Water table	OGY /drology Indicate leators (minimum Water (A1) ater Table (A2) on (A3) /darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeric y Vegetated Conce Stained Leaves (B5) rvations: ter present?	ors; of one is al Imager ave Surfa	s required; y (B7) ace (B8)	check	all that a Aquatic True Ac Hydrog Oxidize (C3) Present (C6) Thin Mu	reply) Fauna (E juatic Plai en Sulfide d Rhizosy ce of Red lron Red lck Surfa or Well D Explain In Depth	B13) Ints (B14) Ints (Secon X I) Living Roots (C4) Tilled Solls X	eaon po mdary Indi Surface S Drainage Dry-Seas Crayfish I Saturation Stunted of Geomorp FAC-Neu Wet hyd	icators (minimum of two requison Cracks (B6) Patterns (B10) Ion Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Or Stressed Plants (D1) Inchic Position (D2) Idral Test (D5)
Appears HYDROL Vetland Hy Primary Ind X Surface High Wa X Saturati Water M Sedime Drift De Iron De Inundati Sparsel Water-S Field Obse Saturation p	OGY /drology Indicate leators (minimum Water (A1) ater Table (A2) on (A3) /darks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeric y Vegetated Conce Stained Leaves (B5) rvations: ter present?	ors; of one is al Imager ave Surfa 9) Yes Yes	y (B7) uce (B8)	check	all that a Aquatic True Ac Hydrog Oxidize (C3) Present (C6) Thin Mu	reply) Fauna (E juatic Plai en Sulfide d Rhizosy ce of Red lron Red lck Surfa or Well D Explain In Depth	ants (B14) o Odor (C pheres on luced Iron uction in T ce (C7) ata (D9) a Remarks (inches):	Secon X I) Living Roots (C4) Tilled Solls X	eaon po mdary Indi Surface S Drainage Dry-Seas Crayfish I Saturation Stunted of Geomorp FAC-Neu Wet hyd	icators (minimum of two requison Cracks (B6) Patterns (B10) Ion Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Ior Stressed Plants (D1) Iohic Position (D2) Itral Test (D5)
Appears HYDROL Vetland Hy Primary Ind X Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron De Inundati Sparsel Water-S Field Obse Surface wa Water table Saturation j includes ca	OGY vdrology Indicate leators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeria y Vegetated Conca Stained Leaves (B5) rvations: ter present? present? apillary fringe)	ors; of one is al Imager ave Surfa 9) Yes Yes Yes	y (B7) ice (B8)	check	all that a Aquatic True Ac Hydroge Oxidize (C3) Present (C6) Thin Me Gauge Other (c	reply) Fauna (E juatic Pla en Sulfide d Rhizosy ce of Red lron Red lck Surfa or Well D Explain In Depth Depth	atia) nits (B14) Odor (C pheres on uction in 7 ce (C7) plata (D9) Remarks (inches): (inches):	Secon X I) Living Roots (C4) Tilled Solls X	eaon po mdary Indi Surface S Drainage Dry-Seas Crayfish I Saturation Stunted of Geomorp FAC-Neu Wet hyd pres	icators (minimum of two requison Cracks (B6) Patterns (B10) Ion Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Ior Stressed Plants (D1) Iohic Position (D2) Itral Test (D5)
Appears IYDROL Vetland Hy Vimary Ind X Surface High Wa X Saturati Water M Sedime Drift De Iron De Inundati Sparsel Water-S Field Obse Surface wa Vater table Saturation pincludes ca	OGY vdrology Indicate leators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeria y Vegetated Conca Stained Leaves (B5) rvations: ter present? present? apillary fringe)	ors; of one is al Imager ave Surfa 9) Yes Yes Yes	y (B7) ice (B8)	check	all that a Aquatic True Ac Hydroge Oxidize (C3) Present (C6) Thin Me Gauge Other (c	reply) Fauna (E juatic Pla en Sulfide d Rhizosy ce of Red lron Red lck Surfa or Well D Explain In Depth Depth	atia) nits (B14) Odor (C pheres on uction in 7 ce (C7) plata (D9) Remarks (inches): (inches):	Secon X I) Living Roots (C4) Tilled Solls X	eaon po mdary Indi Surface S Drainage Dry-Seas Crayfish I Saturation Stunted of Geomorp FAC-Neu Wet hyd pres	icators (minimum of two requison Cracks (B6) Patterns (B10) Ion Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Ior Stressed Plants (D1) Iohic Position (D2) Itral Test (D5)
Appears IYDROL Velland Hy Irlmary Ind X Surface High Wa X Saturati Water M Sedime Drift De Iron De Inundati Sparsel Water-S Field Obse Surface wa Vater table Saturation pincludes ca	OGY vdrology Indicate leators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeria y Vegetated Conca Stained Leaves (B5) rvations: ter present? present? apillary fringe)	ors; of one is al Imager ave Surfa 9) Yes Yes Yes	y (B7) ice (B8)	check	all that a Aquatic True Ac Hydroge Oxidize (C3) Present (C6) Thin Me Gauge Other (c	reply) Fauna (E juatic Pla en Sulfide d Rhizosy ce of Red lron Red lck Surfa or Well D Explain In Depth Depth	atia) nits (B14) Odor (C pheres on uction in 7 ce (C7) plata (D9) Remarks (inches): (inches):	Secon X I) Living Roots (C4) Tilled Solls X	eaon po mdary Indi Surface S Drainage Dry-Seas Crayfish I Saturation Stunted of Geomorp FAC-Neu Wet hyd pres	icators (minimum of two requison Cracks (B6) Patterns (B10) Ion Water Table (C2) Burrows (C8) In Visible on Aerial Imagery (C9) Ior Stressed Plants (D1) Iohic Position (D2) Itral Test (D5)

Project/Site Wabash Alloy	City/0	County: Oak Cr	reek/ Milwa	ukee County Sa	impling Date:	6/4/13
Applicant/Owner: Connell Aluminum Properties, LL	С	State:	Wisc	onsin Sa	mpling Point:	2
Investigator(s): Vince Mosca, Steve Rauch		Section, Township, Range: 24, 22N, 5E Local relief (concave, convex, none): concave				
Landform (hillslope, terrace, etc.):						
Slope (%): Lat: 42.878409		-				
Soil Map Unit Name: Loamy land				VI Classification:		
Are climatic/hydrologic conditions of the site typical for	this time of	the year?		(If no, explain in re		
		significantly d		N		
		naturally prob		N Are "normal	l circumstances" p	resent? Y
SUMMARY OF FINDINGS					explain any answ	•
Hydrophytic vegetation present?	1			,	, , , , , , , , , , , , , , , , , , , ,	,
Hydric soll present? Y		is the san	unled area	within a wetland	42 Y	
Wetland hydrology present?				etland site ID:		
			optional tre	stiant alte ib.		
Remarks: (Explain alternative procedures here or in a	separate re	port.)				_
VEORTATION III						
VEGETATION Use scientific names of plant	V2000 20 10	arc la arc		I Baulaana	Tank Washahaa	•
Tree Stratum (Plot size:	Absolute % Cover	Dominant	Indicator		e Test Workshee	*
Tree Stratum (Plot size:) 1 Populus delloides	20	Species Y	Status FAC		ilnant Species that ACW, or FAC:	5 (A)
2 Salix nigre	20	<u> </u>	OBL	E CONTRACTOR OF THE PROPERTY O		
3					Dominant Species all Strata:	6 (B)
4	•				21.77	
5					ninant Species that ACW, or FAC:	83.33% (A/B)
°		* Total Cover			• • • • • • • • • • • • • • • • • • • •	
Sapling/Shrub stratum (Plot size:)			Prevalence	Index Workshe	et
1 Salix exigua subsp. interior	50	Υ	OBL	Total % Co	ver of:	
2				OBL specie	s 70 x1	= 70
3				FACW spec	-	•
4				FAC specie	es 20 x 3	60
5				FACU spec	-	•
	50	■ Total Cover		UPL specie	-	
Herb stratum (Plot size:)	24		Column tota		
1 Solidago gigantea		· 	FACW	Prevalence	Index = B/A =	1.62
2 Phalaris arundinacea	20	· — Y	FACW	Lindrambut	ic Vegetation Inc	Hantaras
3 Dipsacus fullonum subsp. sylvostris	10		NI		test for hydrophyti	
5			•		ance test is >50%	
6	•		•		ence index is ≤3.0	
7	(.			·		
8	•				ological adaptatio	ns* (provide arks or on a separate
9	•	. ———	•	sheet)		ino or on a soparate
10				Problem	matic hydrophylic	vegetation*
	50	= Total Cover		(explai		
Woody vine stratum (Plot size:)	•		*lodicators	of hydric soil and wel	land hydrology must be
1					sent, unless disturbed	
2				Hydro		
	0	≈ Total Cover		vegeta preser		
Remarks: (Include photo numbers here or on a separ	ala chaall			l preser		-
rvemarks: (include prioto numbers nere or on a separ	ale sileel)					

OUIL								
		he to th				Indicate	or or confirm the a	bsence of Indicators.)
Depth	Matrix	0/	A Service of British	dox Feat	<u>ıres</u> Type*	Loc**	Texture	Remarks
(Inches)	Color (moist)	%	Color (moist)				THE SECOND SECTION	Disturbed
0.6	2.5Y 4/2	80	10YR 5/6	5	RM	M	SICI	Disturbed
6-12	10YR 2/1	60	2.5Y 4/2	10	D	M	SICI	
						-		
ATTION OF I	Concentration, D	- Donlal	ion DM = Poduc	ad Matrix	MSHA	Jackad S	Sand Grains **I	Location: PL = Pore Lining, M = Matrix
		- Debier	ion, Nivi - Neduc	eu mani	, MO - I	viasneu C	Indicators for	Problematic Hydric Solls:
	oil Indicators:		So.	ndy Gley	ad Matris	(84)		irie Redox (A16) (LRR K, L, R)
	lisol (A1)			ndy Red		(04)		ace (S7) (LRR K, L)
-	tlc Epipedon (A2)			ipped Ma			-	ky Peat or Peat (S3) (LRR K, L, R)
•—	ck Hislic (A3)	Á		ipped Mic amy Muc			-	ganese Masses (F12) (LRR K, L, R)
	drogen Sulfide (A			3.73			-	llow Dark Surface (TF12)
-	atified Layers (A5)		amy Gley		0.700 00		plain in remarks)
	m Muck (A10)		•	pleted M			V Other (ex	plant in remarks)
	pleted Below Dar		- American III	dox Dark				
-	ck Dark Surface	10 mm 150mm		pleted D				of hydrophytic vegetation and welland
Samuel Control	ndy Mucky Miner		********	dox Dep	ressions	(ГО)	hydrology	must be present, unless disturbed or problematic
	m Mucky Peat or		3)					problematic
The second secon	Layer (if observ	ed):					Hodde ool	nrocent? V
Type:	ion):					1	Hydric soll	present? Y
Depth (inch Remarks:	169).						***************************************	AND
Newly fo	rmed in disturbe	d matrix	; mixed clayey n	naterials	but has	develop	ed hydric features	. Supporting hydrophytes
HYDROL								
	ydrology Indicat							
Primary Inc	licators (minimun	of one	s required; check					dary Indicators (minimum of two required
Surface	Water (A1)				Fauna (Surface Soll Cracks (B6)
High W	later Table (A2)		_			ants (B14)		Drainage Patterns (B10)
X Saturat	ion (A3)			Hydrog	en Sullid	e Odor (C	(1)	Dry-Season Waler Table (C2)
Water	Marks (B1)			Oxldize	ed Rhizos	pheres o	n Living Roots	Crayfish Burrows (C8)
Sedime	ent Deposits (B2)			(C3)				Saturation Visible on Aerial Imagery (C9)
Drift De	eposits (B3)			Presen	ce of Re	duced Iro	n (C4)	Stunted or Stressed Plants (D1)
Algal M	lat or Crust (B4)		1,000	Recen	Iron Red	fuction In	Tilled Soils	Geomorphic Position (D2)
· Iron De	eposits (B5)			(C6)			_X	FAC-Neutral Test (D5)
Inunda	tion Visible on Aeri	al Image	ry (B7)	Thin M	luck Surfa	ace (C7)		
Sparse	ly Vegetated Cond	ave Surf	ace (B8)	Gauge	or Well I	Data (D9)		
Water-	Stained Leaves (B	9)	-	Other	(Explain i	n Remark	(8)	
Field Obs	ervations:							202 X V2
	aler present?	Yes	No	X		(inches)		Wetland
	e present?	Yes	No	X	Control of the Control	(inches)		hydrology present? Y
Saturation	present? capillary fringe)	Yes	X No		Depin	(inches)	:12	prosonti 1
		eam dat	nae monitorina w	ell aeria	Inhotoe	previous	inspections), if ava	allable:
Describe I	०००१वडच वडास (डा	oani yat	as monitoring w	J., uJ110	. p.101001	p. 511000		000000000 5 D
	The same and the s							
Remarks:								
seasor	nal saturation; t	rue wa	ter table uncle	ar				
1 300001	octuration t							

Project/Site Wabash Alloy	City	County. Oak Ci	eek Milwa	ukee County	Sampling Date:	6/4/13
Applicant/Owner: Connell Aluminum Properties	LLC	State:	Wisco	onsin	Sampling Point:	3
nvestigator(s): Vince Mosca, Steve Rauch		Sec	tlon, Towns	ship, Range:	24, 22	N, 5E
.andform (hillslope, terrace, etc.):					k, none):	
Slope (%): Lat: 42.878	153	Long:	-87.8487	/27	Datum:	
Soil Map Unit Name: loamy land		•	NV	VI Classification	on:	
Are climatic/hydrologic conditions of the site typical	for this time o	f the year?		lf no, explain i		
Are vegetation, soil, or hy	drology	significantly d	isturbed?	N		
Are vegetation, soll, or hy					mal circumstances" į	oresent? Y
SUMMARY OF FINDINGS		. > 2		(If needs	ed, explain any answ	ers in remarks.)
Hydrophylic vegetation present?						
Hydric soll present?		Is the san	npled area	within a wet	land? N	
Welland hydrology present?		If yes,	optional we	tland site ID:		
Remarks: (Explain alternative procedures here or i	n a separate re	L				
data	point is loca	ted on a distu	irbed railre	oad bed		
VEGETATION Use scientific names of pl	ants.					
	Absolute	Dominant	Indicator	Domina	nce Test Workshee	t
Tree Stratum (Plot size:)	% Cover	Species	Status	Number of C	Dominant Species that	
1				are OBI	., FACW, or FAC:	(A)
2					r of Dominant Species	
3				Acr	oss all Strata:	(B)
4		-			Dominant Species that	
5		= Total Cover		ale Obt	L, FACW, or FAC:	(A/B)
Sapling/Shrub stratum (Plot size:		10(a) 00461		Prevale	nce Index Workshe	et
1 Lonicera tatarica	′ ₂₀	Υ	FACU	20-20-20-20-20-20-20-20-20-20-20-20-20-2	Cover of:	
2 Salix exigua subsp. Interior	20	Y	OBL	OBL sp		1 = 20
3 Cornus stolonifera	10	Y	FACW	FACW	species 10 x	2 = 20
4		-		FAC sp	ecles 0 x	3 = 0
5				FACU s	pecies 20 x	4 =80
	50	= Total Cover		UPL sp		
Herb stratum (Plot size:)	97931	7574.07	Column		
1 Coronilla varia	50	<u> </u>	NI	Prevale	nce Index = B/A =	2.40
2		-		Undean	hulla Vanatatian in	dlastavar
3					hytic Vegetation In old test for hydrophyl	
5					minance test is >50%	, U.T.
6		-			valence index is ≤3.	
7		-	-	1		
8					rphological adaptation porting data in Rem	
9				V	eet)	
10				Pro	blematic hydrophytic	vegetation*
	50	= Total Cover			plain)	equit,
Woody vine stratum (Plot size:)			*Indica	ators of hydric soil and we	
1					present, unless disturbe	d or problematic
2		"Talal O			drophytic getation	
	0	= Total Cover		1,5000	sent? Y	

SOIL								s	ampling Point:	3
	cription: (Descri	be to the d	epth needed	to docum	ont the	Indicator	r or confirm			<u>`</u>
Depth	Matrix		Rec	dox Featu	res				I	
(Inches)	Color (moist)	% (Color (moist)	%	Type*	Loc**	Text	ure	Rema	rks
									Disturbed	
					K					
								7		
				W 141 W						
Туре: С = (Concentration, D =	Depletion	RM = Reduc	ed Matrix,	MS = N	lasked Sa	nd Grains.	**Locali	on: PL = Pore Linin	g, M = Matrix
Hydric Sc	oll Indicators:						Indicato	rs for Prob	lematic Hydric So	ils:
	lisol (A1)			ndy Gleye		(\$4)	Coa	st Prairie R	edox (A16) (LRR K	, L, R)
	lic Epipedon (A2)		Sai	ndy Redox	(S5)		-	Committee of the Commit	67) (LRR K, L)	
				ipped Mat			•	m Mucky Peat or Peat (S3) (LRR K, L, R)		
				amy Muck				n-Manganese Masses (F12) (LRR K, L, R)		
				amy Gleye		55 050			ark Surface (TF12)	
	m Muck (A10)	0/ //		pleted Ma			— Olh	er (explain i	n remarks)	
	pleted Below Dark ck Dark Surface (/		-	dox Dark						
-	rdy Mucky Mineral			pleted Dar dox Depre					rophytic vegetation	
-	m Mucky Peat or F			dox Dehie	19910119	(1 0)	hydr	ology must	be present, unless problematic	disturbed or
	Layer (if observe								problematic	
Туре:	Layer (ii onserve	uj.					Hydric	soll prese	nt? N	
Depth (inch	es):									
Remarks:			15.1.							
Old raze	d railroad bed									
HYDROL	OGY									
And the second second second second	drology Indicato	rs:								
Primary Indi	icators (minimum e	of one is re	quired; check	all that ap	(ylq		<u>s</u>	econdary In	dicators (minimum	of two requir
Surface	Water (A1)			Aquatic F	auna (B	13)		Surface	Soil Cracks (B6)	
High Wa	ater Table (A2)			True Aqu	alic Plan	nts (B14)		Drainag	je Pallerns (B10)	
Saturati	- March 1980			Hydroger	Sulfide	Odor (C1)		Dry-Se	ason Water Table (C	2)
	farks (B1)			Oxidized	Rhizosp	heres on L	iving Roots	Crayfis	h Burrows (C8)	
	nt Deposits (B2)			_(C3)					ion Visible on Aerial	
	posits (83)			Presence	of Red	uced Iron (C4)		or Stressed Plants	,D1)
	at or Crust (B4)				on Redu	iction In Til	lled Soils		rphic Position (D2)	
	oosits (B5) on Visible on Aerial	Imagon (E		→(C6) →Thin Mus	b Cude	20 (07)		X FAC-N	eutral Test (D5)	
	y Vegetated Concar			_ Thin Muc Gauge o		200 10000000				
	Stained Leaves (B9)			-		Remarks)				

Depth (inches):
Depth (inches):
Depth (inches):

Yes

Yes

Yes

No

No

No

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Field Observations:

Water table present?

Saturation present?

Remarks:

Surface water present?

(includes capillary fringe)

N

Wetland

hydrology

present?

Project/Site Wabash Alloy	С	ity/County: Oak C	reek/ Milwa	ukee County S	Sampling Date:	6/4/13
Applicant/Owner: Connell Aluminum Properties,	LLC	State:	Wisco	onsin S	Sampling Point:	4
Investigator(s): Vince Mosca, Steve Rauch		Se	ction, Towns	ship, Range:	24, 22	N, 5E
Landform (hillslope, terrace, etc.):					none):	
Slope (%): Lat: 42.8786	885	Long:				
Soll Map Unit Name: loamy land				VI Classification		
Are climatic/hydrologic conditions of the site typical	for this time	of the year?	Υ ((If no, explain in	remarks)	
Are vegetation , soil , or hyd	Irology	significantly o	disturbed?	N		
		naturally prof		N Are "norm	al circumstances"	present? Y
SUMMARY OF FINDINGS	-			(If needed	i, explain any answ	rers in remarks.)
Hydrophylic vegetation present?						
Hydric soil present?		Is the sa	mpled area	within a wetla	nd? N	
Welland hydrology present?		If yes,	optional we	tland site ID:	1	
Remarks: (Explain alternative procedures here or in VEGETATION Use scientific names of pla		e report.)				
VEGETATION Ose scientific flames of pro-				Dominan	ce Test Workshee	at .
Tree Stratum (Plot size:)	Absolu % Co	7.7.T	Indicator Status	Number of Do	ominant Species that	Ĺ
2				Total Number	of Dominant Specie	200
3	_			Acros	ss all Strata:	3(B)
4					minant Species that FACW, or FAC:	1 33.33% (A/B)
"		= Total Cover		ale Obt.,	MOW, OF MO.	33.3376 (101)
Sapling/Shrub stratum (Plot size:)			Prevalen	ce Index Workshe	et
1 Selix exigue subsp. Interior		Y	OBL.	Total % C	Cover of:	
2				OBL spec	cies 20 x	1 = 20
3				FACW sp	pecies 0 x	2= 0
4				FAC spec	cles 0 x	3 = 0
5				FACU sp	-	4= 0
	20	= Total Cover		UPI. spec		5= 0
Herb stratum (Plot size:	_, _,		3.01	Column to		
Coronilla varia Dipsacus fullonum subsp. sylvestris			NI	Prevalen	ce Index = B/A =	1.00
3			NI	Hydronh	ytic Vegetation in	dicators
4			•		d test for hydrophyl	
5					Inance test is >50%	
6	_		•	X Preva	alence index is ≤3.	0•
7				Morn	hological adaptation	one* (nroylda
8						arks or on a separate
9				shee	t)	• • • • • • • • • • • • • • • • • • • •
10	- 60	Total Cover		Prob (expl	lematic hydrophytic Iain)	> vegetation*
Woody vine stratum (Plot size:	_)				ors of hydric soil and we present, unless disturbe	etland hydrology must be
2	-				rophytic	
	0	= Tolal Cover			etation ent? Y	
Pamarka: Haduda phota pumbara bara ar an ana	norale ab-	ot)	2	pres		
Remarks: (Include pholo numbers here or on a se	प्रवादाय आहर	ory .				

SOIL								ampling Point:	4	
		be to the				Indicate	or or confirm the absence	e of Indicators.)		
Depth	Matrix Color (mole)	0/		ox Feat		Loott	Toduco	Damade		
(Inches)	Color (moist)	%	Color (moist)	%	Туре*	Loc**	Texture	Remark	S	
0-15	10YR 7/6	80	2.5Y 7/6	2	D	M	SICI	Disturbed		

T 0	2	Danishia	- DM - Dadwa	J \$4-1-1	. 110 - 1	(national C	and Ocalus — \$tl appli	nu Di - Dosa Liulus	M - Malel	
	Concentration, D :	= Depletio	n, RM = Reduce	a mam	x, M5 = 1	nasked S		on: PL = Pore Lining, lematic Hydric Solis		
	lisol (A1)		Can	du Olav	ed Matrix	1941		edox (A16) (LRR K, L		
	tic Epipedon (A2)	1	-	dy Red		((04)	Dark Surface (S		111)	
	ck Histic (A3)				atrix (S6)			at or Peat (S3) (LRR	K.L.R)	
•——	drogen Sulfide (A	4)	-	192	ky Miner			Masses (F12) (LRR		
-	atified Layers (A5)	.5175		100	ed Matri		-	ark Surface (TF12)	, -,,	
-	m Muck (A10)	,	********		atrix (F3	100 511	Other (explain is			
	pleted Below Dark	k Surface (Surface		— omor (oxplain)	. romano,		
	ck Dark Surface (-		ark Surfa		95			
	ndy Mucky Minera				ressions			rs of hydrophytic vegetation and wetla gy must be present, unless disturbed o		
	m Mucky Peat or					V • 7	nydrology must	problematic	starbed or	
	Layer (if observe					Т		· ******	***	
Туре:	3 7 22 3 7						Hydric soil prese	nt? N		
Depth (inch	es):				-					
Remarks:				•						
previous	s fill from facility	y or railro	ad constructi	on, vei	y mixed	i matrix	pebbles;buried topso	oil lenses		
HYDROL										
	ydrology Indicate									
Primary Ind	icators (minimum	of one is	required; check	50 1000	16750 ES			idicators (minimum of	two requ	
Surface	Water (A1)		_	•	Fauna (150		Soil Cracks (B6)		
High W	ater Table (A2)			True A	qualic Pla	nls (B14)	Drainage Patterns (B10)			

r minary indicators (minimum	TOT ONG IS TECCHICO	CHOCK	an mar appin	decondary indicators (minimum or two reduced			
Surface Water (A1)			Aquatic Fauna (B13)	Surface Soil Cracks (B6)			
High Water Table (A2)			True Aquatic Plants (B14)	Drainage Patterns (B10)			
Saturation (A3)		57	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)			
Water Marks (B1)		-	Oxidized Rhizospheres on Living Roots	Crayfish Burrows (C8)			
Sediment Deposits (B2)			(C3)	Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)			
Drift Deposits (B3)			Presence of Reduced Iron (C4)				
Algal Mat or Crust (B4)		3	Recent Iron Reduction in Tilled Soils	Geomorphic Position (D2)			
Iron Deposits (B5)			(C6)	FAC-Neutral Test (D5)			
Inundation Visible on Aer	ial Imagery (B7)		Thin Muck Surface (C7)				
Sparsely Vegelated Cond	ave Surface (B8)		Gauge or Well Data (D9)				
Water-Stained Leaves (B	9)		Other (Explain in Remarks)				
Field Observations:							
Surface water present?	Yes	No	X Depth (inches):	Wetland			
Water table present?	Yes	No	X Depth (inches):	hydrology			
Saturation present?	Yes	No	X Depth (inches):	present? N			

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

part of old railroad bed grading

(includes capillary fringe)

Remarks:

Project/Site Wabash Alloy		City/0	County: Oak C	reek/ Milwa	ukee County	Sampling Date:	6/4/13
Applicant/Owner: Connell Aluminum Pr	operties, LL	C	State:	Wisco	onsin	Sampling Point:	5
Investigator(s): Vince Mosca, Steve Rauch	1		Sec	ction, Towns	ship, Range:	24, 2	2N, 5E
Landform (hillslope, terrace, etc.):						(, none):	
Slope (%): Lat:	42.878317		Long:	-87.8469	989	Datum:	
Soil Map Unit Name: loamy land						on:	
Are climatic/hydrologic conditions of the sit	e typical for	this time of	the year?		If no, explain i		
Are vegetation, soil	, or hydrole	ogy	significantly d		N	•	
			naturally prob		•	mal circumstances'	present? Y
SUMMARY OF FINDINGS	100				Produced	d, explain any ans	
Hydrophylic vegetation present?	Υ						,
Hydric soil present?	Υ		Is the sar	npled area	within a weti	and? Y	
Wetland hydrology present?	Υ				lland site ID:	8	
Remarks: (Explain alternative procedures I	here or in a s	enarate re			•		
residence (Explain allemative processios)	ioro or iii a c	soparato to	port.)				
VEGETATION Use scientific name	es of plants	9	***				
	oo or prant	Absolute	Dominant	Indicator	Domina	nce Test Workshe	et
<u>Tree Stratum</u> (Plot size:)	% Cover	Species	Status		ominant Species the	
1			114 - 4 BC50		are OBL	, FACW, or FAC:	1 (A)
2					Total Numbe	r of Dominant Specie	98
3		Existence of a				oss all Strata:	1(B)
4					Percent of D	ominant Species the	
5					are OBL	, FACW, or FAC:	
Continue (Charles Andrews (Distriction)		-	= Total Cover				
Sapling/Shrub stratum (Plot size:)				AV DECOMESSIONA	nce Index Worksh	eet
2			-		OBL spe	Cover of: ecles 0 x	1- 0
3		•	•		FACW s		
4				•	FAC spe		3 = 0
5					FACU s	-	4= 0
		0	= Total Cover	•	UPL spe		5= 0
Herb stratum (Plot size:)				Column		A) 180 (B)
1 Phalaris arundinacea		90	Y	FACW	Prevaler	nce Index = B/A =	2.00
2			-			-	
3				-	Hydrop	hytic Vegetation Ir	idicators:
4						id test for hydrophy	
5						ninance test is >50°	
6					X Prev	valence index is ≤3	.0*
8						phological adaptati	
9					sup		arks or on a separate
10				••••			
		90	= Total Cover			blematic hydrophyti blain)	c vegetation-
Woody vine stratum (Plot size:)					
1	··-·				Indicat	ors of nyaric soil and w present, unless disturb	elland hydrology must be ed or problematic
2						Irophytic	
		0	= Total Cover			etation	
December (In this plant of the control of the contr		11			pre	sent? Y	
Remarks: (Include photo numbers here or	on a separa	ita 211861)					

-	-	٠	
G	n	1	
u	v	1	

Sampling Point:

/last \	Malrix	,	0.1	77.	lox Feat		1	77		Danielis
(Inches)	Color (moist)	%	Color (mo	oist)	<u>%</u>	Туре*	Loc**	Textu	ire	Remarks
0-2	2.5Y 4/2	80						SICI		topsoil stripped
2-12	2.5Y 6/1	80	2.5Y 6/	6	5	D	M	SICI	***************************************	
	and 2.5Y 7/1									
			*********					1		

	 	\vdash								
	Concentration, D				al Malela	. 140 1	Assless C	L Cestos	Atl coolie	n. Di - Dara Linina M - Malriy
-	oll Indicators:	- Dehletic)II, KWI - K	eauc	ea mann	C, MIS = N	naskeu o			n: PL = Pore Lining, M = Matrix ematic Hydric Solls:
				Car	vdu Glav	ad Matrix	(104)			dox (A16) (LRR K, L, R)
-	ilisol (A1) Nio Eninadan (A2)	ê	-	-		ed Matrix	((34)	•		7) (LRR K, L)
	stic Epipedon (A2)	Į.	-	-	ndy Redo			B. S. Sandard		
	nck Histic (A3)	4 V	•	_		atrix (S6)		-	-50	t or Peat (S3) (LRR K, L, R)
	drogen Sulfide (A	10.7	-	_	000-00-00000000000000000000000000000000	ky Miner	9590 JOSS 7500			Masses (F12) (LRR K, L, R)
	alified Layers (A5)	7	_		ed Matri				irk Surface (TF12)
	m Muck (A10)	le Constant		_		atrix (F3)		Oine	r (explain ir	remarks)
	pleted Below Dark		(A11) _			Surface	(SU villareux			
-	ick Dark Surface (3	_	-		ark Surfa	100000			rophytic vegetation and wetland
******	ndy Mucky Minera			_ Re	dox Deb	ressions	(18)	hydro	ology must l	pe present, unless disturbed or
	m Mucky Peal or)							problematic
	Layer (if observ	ed):						Mudala		V
ype: epth (inch	106).					==	1	nyanc	soll preser	1t?Y
emarks:						-				
IYDROL	ing hydric featu									
	ydrology Indicate	0781								
	E., 1775/	510.								
1001911		of one is	regulred: o	heck	all that a	apply)		S	econdary In	dicators (minimum of two requir
Y Surface		of one is	required; o	heck			313)	Si		
	Water (A1)	of one is	required;	heck	Aquatic	Fauna (6	The state of the s	-	Surface	Soil Cracks (B6)
High W	o Water (A1) /aler Table (A2)	of one is	required; o	heck —	_Aquatic _True Ac	Fauna (f quallo Pla	nts (B14)		Surface Drainag	Soil Cracks (B6) e Pallerns (B10)
High W Salural	o Waler (A1) Valer Table (A2) Ilon (A3)	of one is	required;	heck —	_Aquatio _True Ac _Hydrog	Fauna (6 quallo Pla en Sulfide	nts (B14) o Odor (C	1)	Surface Drainag Dry-Sea	e Pallerns (B10) ason Waler Table (C2)
High W Salural Water	o Water (A1) /ater Table (A2) tion (A3) Marks (B1)	of one is	required; o	heck —	Aquatio True Ac Hydrog Oxidize	Fauna (6 quallo Pla en Sulfide	nts (B14) o Odor (C		Surface Drainag Dry-Sea Crayfish	Soil Cracks (B6) e Pallerns (B10) ason Water Table (C2) n Burrows (C8)
High W Salural Water Sedime	o Waler (A1) Valer Table (A2) Ilon (A3) Marks (B1) ent Deposits (B2)	of one is	s required; o	check	_ Aquatio _ True Ad _ Hydrog Oxidize _ (C3)	Fauna (E quallo Pla en Sulfide d Rhizos	nts (B14) o Odor (C pheres on	1) Living Roots	Surface Drainag Dry-Sea Crayfish Saturati	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9)
High W Satural Water Sedime	o Water (A1) Vater Table (A2) Ilion (A3) Marks (B1) ent Deposits (B2) eposits (B3)	of one is	s required; o	check	Aquation True Act Hydrog Oxidize (C3) Present	Fauna (E quallo Pla en Sulfide d Rhizos ce of Red	nts (B14) e Odor (C pheres on fuced Iron	1) Living Roots (C4)	Surface Drainag Dry-Sea Crayfisi Saturati	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1)
High W Satural Water Sedime Drift De	b Water (A1) Vater Table (A2) Valon (A3) Marks (B1) ent Deposits (B2) eposits (B3) Valor Crust (B4)	of one is	required; (check	Aquation True Ac Hydrog Oxidize (C3) Present	Fauna (E quallo Pla en Sulfide d Rhizos ce of Red	nts (B14) e Odor (C pheres on fuced Iron	1) Living Roots	Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomo	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2)
High W Satural Water Sedime Drift De Algal M	b Water (A1) Vater Table (A2) Valon (A3) Marks (B1) ent Deposits (B2) eposits (B3) dat or Crust (B4) eposits (B5)			check	Aquation True Ac Hydrog Oxidize (C3) Present Recent (C6)	Fauna (Equatic Pla en Sulfide d Rhizos ce of Red fron Red	nts (B14) a Odor (C pheres on fuced Iron uction in	1) Living Roots (C4)	Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomo	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1)
High W Satural Water Sedime Orlft De Algal M Iron De	b Water (A1) Vater Table (A2) Vater Table (A2) Vater Table (A2) Marks (B1) ent Deposits (B2) eposits (B3) Vat or Crust (B4) eposits (B5) Vation Visible on Aerli	al Imagery	y (B7)	check	Aquatic True Ac Hydrog Oxidize (C3) Presen Recent (C6) Thin M	Fauna (E qualle Pla en Sulfide d Rhizos ce of Red Iron Red uck Surfa	nts (B14) a Odor (C pheres on fuced Iron ruction in	1) Living Roots (C4)	Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomo	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2)
High W Satural Water Sedime Drift De Algal M Iron De Inunda Sparse	b Water (A1) Vater Table (A2) Idon (A3) Marks (B1) ent Deposits (B2) eposits (B3) At or Crust (B4) eposits (B5) Idon Visible on Aericly	al Imagery ave Surfac	y (B7)	check	Aquatic True Ad Hydrog Oxidize (C3) Presen Recent (C6) Thin M	Fauna (E qualle Pla en Sulfide d Rhizos ce of Red fron Red uck Surfa or Well E	nts (B14) a Odor (C pheres on fuced Iron fuction in fice (C7) Data (D9)	1) Living Roots (C4) Tilled Soils	Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomo	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2)
High W Salural Water Sedime Orift De Algal M Iron De Inunda Sparse Water-	b Water (A1) Vater Table (A2) Vater Table (A2) Varks (B1) ent Deposits (B2) eposits (B3) Vat or Crust (B4) eposits (B5) tion Visible on Aerically Vegetated Conca	al Imagery ave Surfac	y (B7)	check	Aquatic True Ad Hydrog Oxidize (C3) Presen Recent (C6) Thin M	Fauna (E qualle Pla en Sulfide d Rhizos ce of Red fron Red uck Surfa or Well E	nts (B14) a Odor (C pheres on fuced Iron ruction in	1) Living Roots (C4) Tilled Soils	Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomo	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2)
High W Salural Water Sedime Orift De Algal M Iron De Inunda Sparse Water-	b Water (A1) Vater Table (A2) Vater Table (A2) Varks (B1) ent Deposits (B2) eposits (B3) Vat or Crust (B4) eposits (B5) tion Visible on Aerically Vegetated Concastalned Leaves (B6) ervations:	al Imagery ave Surfac 9)	y (B7) ce (B8)		Aquatic True Ad Hydrog Oxidize (C3) Presen Recent (C6) Thin M	Fauna (Equallo Pla en Sulfide d Rhizos ce of Red fron Red uck Surfa or Well D Explain in	nts (B14) a Odor (C pheres on fuced from uction in oce (C7) Data (D9) n Remarks	1) Living Roots (C4) Tilled Soils	Surface Drainag Dry-Sea Crayfisi Salurati Stunted Geomo X FAC-No	Soil Cracks (B6) e Patterns (B10) eson Water Table (C2) e Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2) eutral Test (D5)
High W Salural Water Sedime Orlit De Algal M Iron De Inunda Sparse Water-	b Water (A1) Vater Table (A2) Vater Table (A2) Varks (B1) ent Deposits (B2) eposits (B3) Vat or Crust (B4) eposits (B5) tion Visible on Aerically Vegetated Conca	al Imagery ave Surfac	y (B7)	No	Aquatic True Ad Hydrog Oxidize (C3) Presen Recent (C6) Thin M	Fauna (fundic Place of Red Liron Red uck Surfa or Well C	nts (B14) a Odor (C pheres on fuced Iron fuction in fice (C7) Data (D9)	1) Living Roots (C4) Tilled Soils (S)	Surface Drainag Dry-Sea Crayfist Saturati Stunted Geomo X FAC-No	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2)
High W Salural Water Sedime Drift De Algal M Iron De Inunda Sparse Water- Field Obse Surface wa Water tabl Saluration	b Water (A1) Vater Table (A2) Vater Table (A2) Vater Table (A2) Vater (B1) Ent Deposits (B2) Eposits (B3) Vat or Crust (B4) Eposits (B5) Vition Visible on Aerically Vegetated Concestained Leaves (B6) Ervations: Cater present? Expresent?	al Imagery ave Surfac 9) Yes	y (B7) ce (B8)	No	Aquatic True Ad Hydrog Oxidize (C3) Presen Recent (C6) Thin M	Fauna (fundic Place Sulfide Rhizos) ce of Reduck Surfa or Well C Explain in Depth Depth	nts (B14) a Odor (C pheres on fuced from uction in fice (C7) ata (D9) a Remarks	1) Living Roots (C4) Tilled Soils at surface within 12	Surface Drainag Dry-Sea Crayfist Saturati Stunted Geomo X FAC-No	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2) autral Test (D5)
High W Salural Water Sedime Orift De Algal M Iron De Inunda Sparse Water- Field Obse Gurface wa Water tabl Saluration includes o	a Water (A1) Vater Table (A2) Vater Table (A2) Vater Table (A2) Vater Table (A2) Vater (B1) Vater (B3) Vater (B4) Vater (B5) Vater (B5) Vater (B5) Vater (B6) Vater (al Imagery ave Surfac 9) Yes Yes Yes	y (B7) ce (B8) X X X	No No No	Aquation True Ad Hydrog Oxidize (C3) Present (C6) Thin Mi Gauge Other (Fauna (Equatic Place Sulfide Rhizos) ce of Reduck Surfa or Well C Explain in Depth Depth	nts (B14) a Odor (C pheres on fuced Iron uction in ce (C7) pata (D9) n Remarke (inches): (inches):	1) Living Roots (C4) Tilled Soils at surface within 12	Surface Drainag Dry-Sea Crayfist Saturati Stunted Geomo X FAC-No	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2) autral Test (D5)
High W Salural Water Sedime Orift De Algal M Iron De Inunda Sparse Water- Field Obse Gurface wa Water tabl Saluration includes o	b Water (A1) Vater Table (A2) Vater Table (A2) Vater Table (A2) Vater (B1) Ent Deposits (B2) Eposits (B3) Vat or Crust (B4) Eposits (B5) Vition Visible on Aerically Vegetated Concestained Leaves (B6) Ervations: Cater present? Expresent?	al Imagery ave Surfac 9) Yes Yes Yes	y (B7) ce (B8) X X X	No No No	Aquation True Ad Hydrog Oxidize (C3) Present (C6) Thin Mi Gauge Other (Fauna (Equatic Place Sulfide Rhizos) ce of Reduck Surfa or Well C Explain in Depth Depth	nts (B14) a Odor (C pheres on fuced Iron uction in ce (C7) pata (D9) n Remarke (inches): (inches):	1) Living Roots (C4) Tilled Soils at surface within 12	Surface Drainag Dry-Sea Crayfist Saturati Stunted Geomo X FAC-No	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2) autral Test (D5)
High W Salural Water Sedime Drift De Algal M Iron De Inunda Sparse Water- Field Obse Surface wa Vater tabl Saluration Includes of	a Water (A1) Vater Table (A2) Vater Table (A2) Vater Table (A2) Vater Table (A2) Vater (B1) Vater (B3) Vater (B4) Vater (B5) Vater (B5) Vater (B5) Vater (B6) Vater (al Imagery ave Surfac 9) Yes Yes Yes	y (B7) ce (B8) X X X	No No No	Aquation True Ad Hydrog Oxidize (C3) Present (C6) Thin Mi Gauge Other (Fauna (Equatic Place Sulfide Rhizos) ce of Reduck Surfa or Well C Explain in Depth Depth	nts (B14) a Odor (C pheres on fuced Iron uction in ce (C7) pata (D9) n Remarke (inches): (inches):	1) Living Roots (C4) Tilled Soils at surface within 12	Surface Drainag Dry-Sea Crayfist Saturati Stunted Geomo X FAC-No	Soil Cracks (B6) e Patterns (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) rphic Position (D2) autral Test (D5)
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Project/Site Wabash Alloy	Cily/	County: Oak Co	reek/ Milwa	ukee County	Sampling Date:	6/4/13
Applicant/Owner: Connell Aluminum Properties, L.	l.C	State:	Wisco	onsin	Sampling Point:	6
Investigator(s): Vince Mosca, Steve Rauch		Sec	tion, Towns	ship, Range:	24, 22	N, 5E
Landform (hillslope, terrace, etc.):						concave
Slope (%): Lat: 42.87841	8	Long:			•	
Soil Map Unit Name: loamy land				VI Classificatio	on:	
Are climatic/hydrologic conditions of the site typical fo	r this time of	f the year?		If no, explain i		T.
Are vegetation , soil , or hydro	ology	significantly d	-	N	(2)	
Are vegetation , soil , or hydro				N Are "norr	nal circumstances" p	resent? Y
SUMMARY OF FINDINGS					d, explain any answ	• • • • • • • • • • • • • • • • • • • •
Hydrophytic vegetation present? Y						
Hydric soil present? Y		Is the sar	npled area	within a wetla	and? Y	
Wetland hydrology present?		100000		tland site ID:		
Remarks: (Explain alternative procedures here or in a	. aanarala r	N 200 - 100		-		
VEGETATION Use scientific names of plan				I Bambua	*	
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	2006 197 196-77	nce Test Workshee	t
1 Salix fragilis	25	A	FAC		ominant Species that , FACW, or FAC:	4 (A)
2 Acer negundo	25	·	FACW	100000000000000000000000000000000000000		
3		· — ' —	- mon		r of Dominant Species iss all Strata;	5 (B)
4	•	• •	•			
5		•			ominant Species that , FACW, or FAC:	80.00% (A/B)
	50	= Total Cover	•			
Sapling/Shrub stratum (Plot size:)	•		Prevaler	nce Index Workshe	et
1 Rubus occidentalis	10	Υ	UPI.	Total %	Cover of:	
2 Cornus stolonifera	10	Υ	FACW	OBL spe	cles 0 x1	= 0
3				FACW s	pecies 95 x 2	= 190
4				FAC spe		
5			•	FACU s		-
	. — 20	_= Total Cover		UPL spe		
Herb stratum (Plot size:	_)	v	E4 0)11	Column		
1 Phalaris arundinacea	60	- <u>Y</u>	FACW	Prevaler	nce Index = B/A =	2.42
3	-		•	Hudron	nytic Vegetation Inc	lleatores
4	-				id test for hydrophyti	
5	-				ninance test is >50%	250
6	-				/alence index is ≤3.0	
7		-				
8					phological adaptatio	ns- (provide irks or on a separale
9				she		and of on a coperate
10	60	= Total Cover			olematic hydrophytic olain)	vegetation*
Woody vine stratum (Plot size:	_)			Indicat	ors of hydric soil and wel	
2		-			rophytic	- Francisco
	0	= Total Cover		veg	etation	
				pre	sent? Y	-
Remarks: (Include photo numbers here or on a sepa	rate sheet)					

Sampling Point: 6

rofile Des	cription: (Descri	be to th	e depth need	ed to docu	ment the	Indicat	or or confirm	the absence	ce of Indicators.)
Depth	Matrix			Redox Feat					
(Inches)	Color (moist)	%	Color (mois	1) %	Type*	Loc**	Text	ure	Remarks
0-1	10YR 3/1	80					SiCI		Mucky
1-12	2.5Y 7/1	80	2.5Y 6/6	5	D	М	SiCI		
					ļ	-			
						-			
уре: С = (Concentration, D	= Depleti	ion, RM = Rec	luced Matrix	x, MS = N	Masked S	Sand Grains.	**Location	on: PL = Pore Lining, M = Ma
Hydric Sc	oll Indicators:						Indicato		lematic Hydric Solls:
His	lisol (A1)			Sandy Gley	ed Matrix	x (S4)			edox (A16) (LRR K, L, R)
-	lic Epipedon (A2)		-	Sandy Red					7) (LRR K, L)
	ck Histic (A3)			Stripped Ma					at or Peat (S3) (LRR K, L, R)
	drogen Sulfide (A	4)		Loamy Muc	*************		•	and the same of th	Masses (F12) (LRR K, L, R)
	atified Layers (A5)			Loamy Gley					ark Surface (TF12)
	m Muck (A10)	,	•	Depleted M				er (explain in	
	pleted Below Dark	, Sudan	V2-10-10-2-10-10-1	Redox Dark				v forbigin i	i ioinainoj
	ck Dark Surface (Depleted D					
			-			The state of the s			rophytic vegetation and wetla
	ndy Mucky Minera			Redox Dep	ressions	(10)	hydr	ology must i	pe present, unless disturbed
	m Mucky Peat or)						problematic
	Layer (If observe	ed):							
ype:							Hilling	CALL DIACOL	112
	ac).	1800 1800		-	-		riyano	soll preser	····
epth (inche emarks:	es):al ponded area	of wetl	and; buildup	of decay	ing leaf	matter			
epth (inche emarks: Seasona	al ponded area		and; buildup	o of decay	ing leaf	malter			
epth (inche emarks: Seasona YDROLO /etland Hy	al ponded area	ors:		•		matter	; original sur	face appe	ars stripped.
epth (inche emarks: Seasona YDROLO retland Hy rimary Indi	al ponded area OGY rdrology Indicato	ors:		eck all that a	apply)		; original sur	face appe	ars stripped. dicators (minimum of two req
epth (inche emarks: Seasona YDROLC etland Hy imary Indi	al ponded area OGY rdrology Indicato icators (minimum Water (A1)	ors:		eck all that a	apply) Fauna (E	313)	; original sur	face appe	ars stripped. dicators (minimum of two requestions)
epth (inche emarks: Seasona YDROLO fetland Hy rimary Indi Surface High Wa	al ponded area OGY rdrology Indicato icators (minimum Water (A1) ater Table (A2)	ors:		eck all that a	apply) Fauna (E	313) nts (B14)	; original sur	face appe econdary in Surface Drainag	ars stripped. dicators (minimum of two reg Soil Cracks (B6) Patterns (B10)
epth (inche emarks: Seasona YDROLO fetland Hy rimary Indi Surface High Wa	onded area OGY rdrology Indicator icators (minimum) Water (A1) aler Table (A2) on (A3)	ors:		eck all that a	apply) Fauna (E jualic Pla en Sulfide	313) nts (B14) e Odor (C	; original sur	face appe econdary In Surface Drainag Dry-Sea	dicators (minimum of two req Soil Cracks (B6) Be Patterns (B10) Son Water Table (C2)
Seasona YDROLO ettland Hyrimary Indi Surface High Wa	al ponded area OGY vdrology Indicato icators (minimum Water (A1) ater Table (A2) on (A3) darks (B1)	ors:		eck all that a Aquatic True Ac Hydrog Oxidize	apply) Fauna (E jualic Pla en Sulfide	313) nts (B14) e Odor (C	; original sur	face appe econdary In Surface Drainag Dry-Sea Crayfisl	dicators (minimum of two req Soil Cracks (B6) the Patterns (B10) this on Water Table (C2)
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Project/Site Wabash Alloy		City/C	County: Oak Cr	eek/ Milwau	ikee County	Sampling Date:	6/4/13
Applicant/Owner: Connell Aluminum Prop	perties, LLC	B	State:	Wisco	onsin	Sampling Point:	7
nvestigator(s): Vince Mosca, Steve Rauch			Section, Township, Range: 24, 22N, 5E				N, 5E
andform (hillstope, terrace, etc.):			Loc	al relief (cor	ncave, convex	, none):	convex
	42.877957		Long:	-87.8464	89	Datum:	
Soil Map Unit Name: loamy land			-	NN	VI Classificatio	n:	
Are climatic/hydrologic conditions of the site	typical for t	his time of	the year?		f no, explain in	*	
Are vegetation, soil	, or hydrolo	97	significantly d	Isturbed?	N		
-	, or hydrolo			lematic?	N Are "norn	nal circumstances"	present? Y
SUMMARY OF FINDINGS			CANCES A CONTRACT AND SEC. SEC.			d, explain any ansv	
Hydrophylic vegetation present?	N						
Hydric soil present?	N	l	is the san	ipled area	within a wetla	and? N	
Wetland hydrology present?	N N	1		0. 0. 1	lland site ID:		
Remarks: (Explain alternative procedures he	ere or in a s	enarale rei	nort)				
Previo	usly cons	tructed be	erm for road	access to	Lake Michig	jan	
VEGETATION Use scientific name	s of plants						
		Absolute	Dominant	Indicator	Domina	nce Test Workshe	et
Tree Stratum (Plot size:)	% Cover	Species	Status	Number of D	ominant Species tha	t
1						FACW, or FAC:	0(A)
2						of Dominant Specie	s
3					Acro	ss all Strata:	1(B)
4						ominant Species tha	
5			Tatal Osses		are OBL	, FACW, or FAC:	(A/8)
Canling/Chrub electron (Blot electron	,		Total Cover		Provalor	nce Index Worksh	not
Sapling/Shrub stratum (Plot size:	′				4 8 2 2 2 2 2 2 2 2	Cover of:	361
2	-		100		OBL spe		1 = 0
3			-		FACWs		2= 0
4			•		FAC spe		3 = 0
5					FACU s	pecies 0 x	4 = 0
		0	= Total Cover		UPI. spe	cles 0 x	5 = 0
Herb stratum (Plot size:)				Column	· · · · · · · · · · · · · · · · · · ·	(B)
1 Coronilla varia		90	Y	NI	Prevaler	nce Index = B/A =	*
2							no III et et la constitució
3						nytic Vegetation Ir	
4				-		ld test for hydrophy ninance test is >509	
6				•	· —	/alence Index is ≤3	
7		•	·	•	! —		
8	•					phological adaptati porting data to Rem	ons* (provide larks or on a separale
9		•			she	250	on a soparate
10					Prol	olematic hydrophyti	c vegetation*
		90	= Total Cover			olain)	co.co.co.♥.co.co.(1,57°756
Woody vine stratum (Plot size:		bj			Indicat	ors of hydric soll and w	elland hydrology must be
1						present, unless disturb	
2						irophylic etallon	
		0	= Total Cover			etation sent? N	
4						and the second s	

Sampling	Point:
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Depth	Matrix Color (molet)	0/	Colonia		dox Feat	Control of the contro	1	Tank		Downst	
(Inches)	Color (moist)	%	Color (m	ioisi)	<u> %</u>	Туре*	Loc**	Textu	ire	Remark	.5
2 2.5Y 7/6	90									Bermed	

			-		-					·	
	***************************************				-						
yρe: C = C	Concentration, D	= Deplet	ion, $RM = 1$	Reduc	ed Matrix	(, MS = 1	Masked S			on: PL = Pore Lining,	
Hydric Sc	Il Indicators:							Indicator	rs for Prob	lematic Hydric Solls	:
His	isol (A1)			Sai	ndy Gley	ed Matrix	(S4)	Coas	st Prairie Re	edox (A16) (LRR K, L	., R)
His	ic Eplpedon (A2)		A	Sai	ndy Redo	ox (S5)		Dark	Surface (S	37) (LRR K, L)	
Bla	ck Histic (A3)		-	Stri	ipped Ma	atrix (S6)		5 cm	Mucky Pe	at or Peat (S3) (LRR	K, L, R)
Hyd	lrogen Sulfide (A	4)	-	_	amy Muc			-		e Masses (F12) (LRR	
Stra	alified Layers (A5)	-	_	amy Gley	STOLENS OF STREET				ark Surface (TF12)	3 5 8
	m Muck (A10)		-		pleted M			-	r (explain i		
	oleled Below Dark	k Surface	e (A11)	_	dox Dark				. ,		
	ck Dark Surface (pleted D						
	ndy Mucky Minera		-		dox Dep					Irophytic vegetation a	
	n Mucky Peat or		3)	'``	dox Dop	00010110	(1 0)	nyara	ology must	be present, unless di problematic	sturbea or
•—		7,55	", ————							problematic	
	Layer (if observ	ed):						Hardela	!!	N	
pe: epth (inch		ed):				-		Hydric	soll prese	nt? <u>N</u>	3
/pe: eplh (inch emarks:	es):	ed):				-		Hydric	soll prese	nt? <u>N</u>	3
rpe: epth (inch emarks:	es):			-		-		Hydric	soli prese	nt? <u>N</u>	
rpe: epth (inch emarks: YDROL(etland Hy	os): OGY drology Indicate	ors:		-		-					
pe: epth (inche emarks: YDROLe etland Hy imary Indi	OGY rdrology Indicate icators (minimum	ors:	s required;	check						nt? N	f two regu
pe: ppth (inche pmarks: YDROLe etland Hy imary Indi	os): OGY drology Indicate	ors:	s required;	check	Aquatic	Fauna (E			econdary Ir		f two requi
pe: epth (inche emarks: YDROL etland Hy imary Indi	OGY rdrology Indicate icators (minimum	ors:	s required;	check	Aquatic	Fauna (E	313) nls (B14)		econdary Ir	ndicators (minimum o	f two requ
pe: ppth (inche pmarks: YDROLe etland Hy imary Indi Surface	OGY rdrology Indicate icators (minimum Waler (A1) ater Table (A2)	ors:	s required;	check	_Aquatic _True Ac	Fauna (E Jualic Pla		<u>S</u> .	econdary Ir Surface Drainag	ndicalors (minimum o 3 Soli Cracks (B6)	
ype: Papth (inchorate) PDROLe Surface High Wa Saturati	OGY rdrology Indicate icators (minimum Waler (A1) ater Table (A2)	ors:	s required;	check	_Aquatic _True Ad _Hydrogo	Fauna (E jualic Pla en Sulfide	nts (B14) e Odor (C	<u>S</u> .	econdary Ir Surface Drainas Dry-Se	ndicators (minimum o e Soil Cracks (B6) ge Patterns (B10)	
yDROLO emarks: YDROLO etland Hy imary Indi Surface High Wa Saturati Water M	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3)	ors:	s required;	check	_Aquatic _True Ad _Hydrogo	Fauna (E jualic Pla en Sulfide	nts (B14) e Odor (C	<u>S</u> :	econdary Ir Surface Drainas Dry-Se Crayfis	ndicators (minimum o a Soll Cracks (B6) ge Patterns (B10) ason Water Table (C2)	
yDROLO emarks: YDROLO etland Hy imary Indi Surface High Wa Saturati Water M	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1)	ors:	s required;	check	Aquatic True Ac Hydrogo Oxidize (C3)	Fauna (E qualic Pla en Sulfide d Rhizosj	nts (B14) e Odor (C	Si	econdary Ir Surface Drainag Dry-Se Crayfis	ndicators (minimum o e Soli Cracks (B6) ge Patterns (B10) ason Water Table (C2) h Burrows (C8)	nagery (C9)
YDROLO etland Hy imary Indi Surface High Wa Saturati Water M Sedimen	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2)	ors:	s required;	check	Aquatic True Ac Hydrogo Oxidize (C3) Presence	Fauna (E qualic Pla en Sulfide d Rhizosp ce of Red	nts (B14) Odor (Control Otheres on	Si I) Living Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Satural	ndicators (minimum o e Soll Cracks (B6) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) ion Visible on Aerial In	nagery (C9
PPE: PPH (inche PPH (inche PPH (inche PPH (inche) PPH	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)	ors:	s required;	check	Aquatic True Ac Hydrogo Oxidize (C3) Presence	Fauna (E qualic Pla en Sulfide d Rhizosp ce of Red	nts (B14) Odor (Control Otheres on	Si	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stunted Geomo	ndicators (minimum o e Soll Cracks (B6) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) ion Visible on Aerial In d or Stressed Plants (D	nagery (C9
PPE: PPH (inche PPH (inche PPH (inche PPH (inche) PPH	DGY rdrology Indicate icators (minimum Waler (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	ors: of one l		check	Aquatic True Ac Hydrogo Oxidize (C3) Presence Recent (C6)	Fauna (E qualic Pla en Sulfide d Rhizosp ce of Red	nts (B14) c Odor (Control coheres on cuced Iron cuction in T	Si I) Living Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stunted Geomo	ndicators (minimum o e Soil Cracks (B6) ge Palterns (B10) ason Water Table (C2) h Burrows (C8) ion Visible on Aerial In d or Stressed Plants (D orphic Position (D2)	nagery (C9
yDROLe emarks: YDROLe etland Hy imary Ind Surface High Wa Saturati Water M Sedimen Drift De Algat Ma	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	ors: of one l	y (87)	check	Aquatic True Ad Hydroge Oxidize (C3) Present (C6) Thin Mo	Fauna (E qualic Pla en Sulfide d Rhizosy ce of Red Iron Red	nts (B14) c Odor (Control of the control of the con	Si I) Living Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stunted Geomo	ndicators (minimum o e Soil Cracks (B6) ge Palterns (B10) ason Water Table (C2) h Burrows (C8) ion Visible on Aerial In d or Stressed Plants (D orphic Position (D2)	nagery (C9
YDROLO etland Hy imary Indi Surface High Waler M Sedimel Drift De Algat Ma Iron De Inundati Sparset	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeria	ors: of one i	y (87)	check	Aquatic True Ad Hydrogu Oxidize (C3) Presend Recent (C6) Thin Ma	Fauna (E quatic Pla en Sulfide d Rhizosy ce of Red Iron Red uck Surfa or Well D	nts (B14) c Odor (Control of the control of the con	Si Living Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stunted Geomo	ndicators (minimum o e Soil Cracks (B6) ge Palterns (B10) ason Water Table (C2) h Burrows (C8) ion Visible on Aerial In d or Stressed Plants (D orphic Position (D2)	nagery (C9
YDROLO emarks: YDROLO etland Hy elmary Indi Surface High Water M Sedimel Drift De Algal Mail Iron Dei Inundati Sparsel Water-S	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeric y Vegetated Conce Stained Leaves (B5)	ors: of one i	y (87)	check	Aquatic True Ad Hydrogu Oxidize (C3) Presend Recent (C6) Thin Ma	Fauna (E quatic Pla en Sulfide d Rhizosy ce of Red Iron Red uck Surfa or Well D	nts (B14) c Odor (Control of the control of the con	Si Living Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stunted Geomo	ndicators (minimum o e Soil Cracks (B6) ge Palterns (B10) ason Water Table (C2) h Burrows (C8) ion Visible on Aerial In d or Stressed Plants (D orphic Position (D2)	nagery (C9)
YDROLO emarks: YDROLO etland Hy imary Indi Surface High Wa Saturati Water M Sedimel Drift De Algal Ma Iron Del Inundati Sparsel Water-S lold Obse	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeric y Vegetated Conce Stained Leaves (B5)	ors: of one i	y (87)	check	Aquatic True Ac Hydrogi Oxidize (C3) Present (C6) Thin Mu Gauge Other (ii	Fauna (E quatic Pla en Sulfide d Rhizosp ce of Red Iron Red uck Surfa or Well D Explain in	nts (B14) c Odor (Control of the control of the con	Si Living Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Geomo	ndicators (minimum o e Soil Cracks (B6) ge Palterns (B10) ason Water Table (C2) h Burrows (C8) ion Visible on Aerial In d or Stressed Plants (D orphic Position (D2)	nagery (C9)
ype: epth (inche emarks: YDROLG fetland Hy rimary Indi Surface High Water M Sedimel Drift Del Iron Del Inundati Sparsel Water-S leid Obse urface wa	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeric y Vegetated Conce Stained Leaves (B5) ter present?	ors: of one I	y (87)	No No	Aquatic True Ac Hydrogi Oxidize (C3) Present (C6) Thin Mu Gauge Other (I	Fauna (E quatic Pla en Sulfide d Rhizos) ce of Red Iron Red uck Surfa or Well D Explain in Depth	nts (B14) c Odor (C' cheres on fuced Iron fuced Iron fuced (C7) futata (D9) c Remarks (inches): (inches):	Si Living Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stuntec Geomo	adicators (minimum o e Soli Cracks (B6) ge Patterns (B10) ason Water Table (C2) th Burrows (C8) ion Visible on Aerial In d or Stressed Plants (D orphic Position (D2) eutral Test (D5)	nagery (C9)
yDROLO emarks: YDROLO etland Hy dimary Indi Surface High Water M Sedimen Drift De, Algal Ma Iron De, Inundati Sparsel Water-S leid Obse urface wa Vater table aturation	DGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeric y Vegetated Conce Stained Leaves (B5 rvations: ter present? present?	ors: of one i	y (87)	No	Aquatic True Ac Hydrogi Oxidize (C3) Present (C6) Thin Mu Gauge Other (ii	Fauna (E quatic Pla en Sulfide d Rhizos) ce of Red Iron Red uck Surfa or Well D Explain in Depth	nts (B14) c Odor (C' cheres on fuced fron fuced fron fuced (C7) for (C9) c Remarks (inches):	Si Living Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stuntec Geomo	ndicators (minimum o e Soli Cracks (B6) ge Patterns (B10) ason Water Table (C2) th Burrows (C8) ion Visible on Aerial In d or Stressed Plants (D orphic Position (D2) eutral Test (D5)	nagery (C9
ype: epth (inche emarks: YDROLG YDROLG Yetland Hy rimary Indi Surface High Water M Sedimel Drift De Algal Me Iron Del Inundati Sparsel Water-S Ield Obse urface wa Vater table aturation includes ca	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeric y Vegetated Conce Stained Leaves (B6 rvations: ter present? present? present? apillary fringe)	of one is all imager ave Surfa	y (B7) ace (B8)	No No No	Aquatic True Ac Hydrogi Oxidize (C3) Present (C6) Thin Mc Gauge Other (C X	Fauna (E quatic Pla en Sulfide d Rhizos) ce of Red Iron Red uck Surfa or Well D Explain in Depth Depth	nts (B14) e Odor (C' oheres on fuced Iron uction in T ce (C7) rata (D9) a Remarks (inches): (inches):	Silling Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stuntec Geomo FAC-N	adicators (minimum of a Soil Cracks (B6) ge Patterns (B10) ason Water Table (C2) th Burrows (C8) ion Visible on Aerial Indoor Stressed Plants (Dorphic Position (D2) eutral Test (D5)	nagery (C9
YDROLO emarks: YDROLO etland Hy imary Indi Surface High Wa Saturati Water M Sedimel Drift De Algat Ma Iron Del Inundati Sparset Water-S leid Obse urface wa Vater table aturation includes ca	DGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aeric y Vegetated Conce Stained Leaves (B5 rvations: ter present? present?	of one is all imager ave Surfa	y (B7) ace (B8)	No No No	Aquatic True Ac Hydrogi Oxidize (C3) Present (C6) Thin Mc Gauge Other (C X	Fauna (E quatic Pla en Sulfide d Rhizos) ce of Red Iron Red uck Surfa or Well D Explain in Depth Depth	nts (B14) e Odor (C' oheres on fuced Iron uction in T ce (C7) rata (D9) a Remarks (inches): (inches):	Silling Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stuntec Geomo FAC-N	adicators (minimum of a Soil Cracks (B6) ge Patterns (B10) ason Water Table (C2) th Burrows (C8) ion Visible on Aerial Indoor Stressed Plants (Dorphic Position (D2) eutral Test (D5)	nagery (C9
ype: epth (inche emarks: YDROLG YDROLG Yetland Hy rimary Indi Surface High Water M Sedimel Drift De Algal Me Iron Del Inundati Sparsel Water-S Ield Obse urface wa Vater table aturation includes ca	OGY rdrology Indicate icators (minimum Water (A1) ater Table (A2) on (A3) farks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aeric y Vegetated Conce Stained Leaves (B6 rvations: ter present? present? present? apillary fringe)	of one is all imager ave Surfa	y (B7) ace (B8)	No No No	Aquatic True Ac Hydrogi Oxidize (C3) Present (C6) Thin Mc Gauge Other (C X	Fauna (E quatic Pla en Sulfide d Rhizos) ce of Red Iron Red uck Surfa or Well D Explain in Depth Depth	nts (B14) e Odor (C' oheres on fuced Iron uction in T ce (C7) rata (D9) a Remarks (inches): (inches):	Silling Roots (C4)	econdary Ir Surface Drainag Dry-Se Crayfis Saturat Stuntec Geomo FAC-N	adicators (minimum of a Soil Cracks (B6) ge Patterns (B10) ason Water Table (C2) th Burrows (C8) ion Visible on Aerial Indoor Stressed Plants (Dorphic Position (D2) eutral Test (D5)	nagery (C9

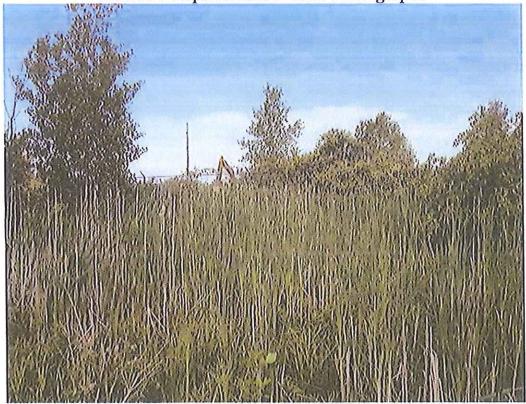
Project/Site Wabash Alloy	City/e	County: Oak Cr	eek/ Milwa	ukee County	Sampling Date:	6/4/13
Applicant/Owner: Connell Aluminum Properties,	LLC	State:	Wisco	onsin	Sampling Point:	8
Investigator(s): Vince Mosca, Steve Rauch		Sec	tion, Towns	ship, Range:	24, 22	N, 5E
Landform (hillslope, terrace, etc.):		L.oc	al relief (co	ncave, convex	c, none):	concave
	62	Long:	-87.8479	916	Datum:	
Soil Map Unit Name: loamy land			NN	VI Classification	on:	
Are climatic/hydrologic conditions of the site typical f	or this time of	the year?		lf no, explain i		
Are vegetation, soilX, or hyd	rology	significantly d	isturbed?	<u>Y</u>		
Are vegetation, soil, or hyd	rology	naturally prob	lematic?	N Are "norr	mal circumstances" p	oresent? N
SUMMARY OF FINDINGS		0,		(If neede	d, explain any answ	ers in remarks.)
Hydrophytic vegetation present?						
Hydric soll present?		Is the san	npled area	within a wetl	and? Y	
Wetland hydrology present?		If yes,	optional we	tland site ID:		
Remarks: (Explain alternative procedures here or in	a separate re	port.)				
ď	onstruction	plunge pool	settling ba	isin		
VEGETATION Use scientific names of pla	nts.					
	Absolute	Dominant	Indicator	Domina	nce Test Workshee	t
Tree Stratum (Plot size:)	% Cover	Species	Status		ominant Species that	
1				are OBL	, FACW, or FAC:	1(A)
2					r of Dominant Species	
3	-	-			oss ali Strata:	(B)
5					ominant Species that ., FACW, or FAC:	50.00% (A/B)
٥	0	= Total Cover		ale Obc	, 1 AOW, 01 1 AO.	30.00% (AB)
Sapling/Shrub stratum (Plot size:)			Prevale	nce Index Workshe	et
1					Cover of:	
2			-	OBL spe	ecles 0 x1	= 0
3				FACW s	pecies 50 x 2	!= 100
4				FAC spe	ocles 0 x 3	3≖0
5				FACU s		
	0	= Total Cover		UPL spe		
Herb stratum (Plot size:	_) _,		E1011	Column	201	
1 Phalaris arundinacea		· — Y	FACW	Prevaler	nce Index = B/A =	2.00
2 Juncus dudleyi 3		. — —	NI	Hydron	hytic Vegetation Inc	licatore:
4		. — —		6 Table 1 Table 1	id test for hydrophyti	
5		•	• • • • • • • • • • • • • • • • • • • •		ninance test is >50%	
6				X Prev	valence Index Is ≤3.0)*
7	_	•		Mor	ohological adaptatio	na* (provido
8					phological adaptatio porting data in Rema	
9				she		
10	-				blematic hydrophytic	vegetation*
	70	= Total Cover		(exp	olain)	
Woody vine stratum (Plot size:	_)			'Indicat	tors of hydric soll and we	
1		-			present, unless disturbed	or problematic
2		= Total Cover			irophytic etation	
	U	- 10(a) 00781			sent? Y	_
Remarks: (Include photo numbers here or on a sep	arate sheet)					

O a man Har as	Dalate	•
Sampling	Point	8

Profile Des	cription: (Descr	ibe to th	e depth needed	l to docu	ment the	Indicate	or or confirn	the absence	e of Indicators.)
Depth	Matrix	1000	Re	edox Feat	ures				4.
(Inches)	Color (moist)	%	Color (moist)	"	Type*	Loc**		ture	Remarks
0-4	7.5YR 7/1	80	10YR 4/2	10	D	М	SiCI		
4-15	10YR 6/1		2.5Y 7/6	20	D	М	SiCI		
			**	 					
				-					
Funo: C = 1	Concentration, D	L Donloti	on DM = Dodu	and Match	110-1	Analysis C	l Osslan	441 11-	Di i Di i Di i Lilia di Alada
	oll Indicators:	- Debieti	on, Kw - Redu	ceo mann	x, M3 = N	naskeu S			on: PL = Pore Lining, M = Matrix
	tisol (A1)		6	andu Olav	ad Match	. 104			ematic Hydric Soils:
			Personal Property lies	andy Gley		(34)	-		dox (A16) (LRR K, L, R)
-	tic Epipedon (A2)	ļ.		andy Redo	and Carolina		•	area a second	7) (LRR K, L)
-	ck Histic (A3)	^		ripped Ma					it or Peat (S3) (LRR K, L, R)
-	drogen Sulfide (A	-0.00		amy Muc			-		Masses (F12) (LRR K, L, R)
	atified Layers (A5)	-	amy Gley					rk Surface (TF12)
	m Muck (A10)		-	epleted M			X Oth	er (explain in	remarks)
	pleted Below Darl		-	edox Dark		A Salana			
	ck Dark Surface (epleted D		100	*Indi	cators of hyd	rophytic vegetation and wetland
-	ndy Mucky Minera		-	edox Depi	ressions	(F8)	hyd	rology must t	pe present, unless disturbed or
-	m Mucky Peat or	5 N 15-100 III 0 000 0 100 100 I)						problematic
	Layer (if observ	ed):					200 10 70		225
ype:					-		Hydri	c soll preser	nt? Y
epth (inch	es):				-				
	ted outlet from v	/etiand; i	Disturbed area	but exhib	olling hyd	iric cond	illions; satur	ated from sto	ormwater runoff
IYDROL									
	drology Indicate		. ramulaadi ahaal	م المعاللة المعا					
	icators (minimum	or one is	requireo; chec				2		dicators (minimum of two require
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	ater Table (A2)		0	_	juatic Plai				e Pallerns (B10)
X Saturati	the Control of Control		74 -1	Hydroge	en Sulfide	Odor (C	1)	Dry-Sea	son Water Table (C2)
	farks (B1)				d Rhizosp	heres on	Living Roots		Burrows (C8)
_	nt Deposits (B2)		•	(C3)				Saturati	on Visible on Aerial Imagery (C9)
	posits (B3)		S	Presenc	ce of Red	uced Iron	(C4)	Stunted	or Stressed Plants (D1)
	at or Crust (B4)			Recent	Iron Redu	iction In 1	Filled Soils	Geomor	phic Position (D2)
	posits (B5)		7	_(C6)				X FAC-Ne	outral Test (D5)
	ion Visible on Aeria			Thin Mu	ick Surfac	ce (C7)			
Sparsel	y Vegelated Conca	ave Surfac	ce (B8)	Gauge	or Well D	ata (D9)			
	Stained Leaves (B9))	1970	Other (8	Explain in	Remarks	5)		
leld Obse		2.5	5250	5000	22 707			235/47	
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Saturation		Yes Yes	X No			(inches): (inches):	within 12		drology esent? Y
The second secon	apillary fringe)	.00		1	_ Copin (monoaj.		- 1,116	
	corded data (stre	am gaud	e, monitoring w	ell, aerial	photos, r	revious	inspections).	if available:	
	E 186222						,/		
Remarks:			300						
stormw	ater outfall for e	east por	tion of site; co	onstructe	ed. Rec	eives d	ralnage froi	n subwatei	rsheds
			The second secon						

Ехнівіт 9
Wabash Alloys
OAK CREEK, WI
REPRESENTATIVE COLOR PHOTOGRAPHS
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Exhibit 9 Representative Color Photographs



Photograph 1: Data Point 2- facing west. (date of photo 6/4/13)



Photograph 2: Data Point 5- facing east (date of photo 6/4/13).

Exhibit 9 Representative Color Photographs



Photograph 3: Data Point 7-Upland, facing east (date of photo 6/4/13).



Photograph 4: Data Point 8- facing north (date of photo 6/4/13)

State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Plymouth Service Center

1155 Pilgrim Road

Plymouth, WI 53073

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



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BY: The state of t

WIC-SE-2013-41-03613

Hey and Associates, Inc. Vince Mosca 26575 W. Commerce Dr. Suite 601 Volo, IL 60073

RE: Wetland Delineation Report for 5 acres located in the City of Oak Creek, Milwaukee County

Dear Mr. Mosca:

We have received and reviewed the wetland delineation report prepared for the above mentioned site by Hey & Associates, Inc. This letter will serve as confirmation that the wetland boundaries as shown on the wetland delineation map included with the October 23, 2013 report are acceptable. Any filling or grading within these areas will require DNR approvals. Our wetland confirmation is valid for five years unless altered site conditions warrant a new wetland delineation be conducted.

In order to comply with Chapter 23.321, State Statutes, please supply the department with an electronic file, in CAD or GIS format, of all wetland boundaries delineated within the project area. The electronic file should utilize a State Plane Projection, and be overlain onto recent aerial photography. If a different projection system is used, please indicate what system the data are projected to. Please send these data to Calvin Lawrence (608 266-0756, or calvin.lawrence@wisconsin.gov).

The property is located on the shores of Lake Michigan. DNR Chapter 30 permits will be needed if earthwork (filling, dredging, etc.) or structures (culverts, bridges, erosion control, etc.) are proposed in or adjacent to the lake.

If you are planning development on the property, you are required to avoid take of endangered and threatened species, or obtain an incidental take authorization or permit, to comply with the state's Endangered Species Law. To insure compliance with the law, you should submit an endangered resources review form (Form 1700-047), available at http://dnr.wi.gov/topic/ERReview/Review.html. The Endangered Resources Program will provide a review response letter identifying any endangered and threatened species and any conditions that must be followed to address potential incidental take.

In addition to contacting WDNR, be sure to contact your local zoning office and U.S. Army Corps of Engineers to determine if any local or federal permits may be required for your project.

If you have any questions, please contact me at (920) 892-8756 or email Stacy.Hron@Wisconsin.gov.



Sincerely,

Stacy Hron

Wetland Identification Specialist

cc: Anthony Jernigan, Project Manager, U.S. Army Corps of Engineers

Jesse Jensen, Water Management Specialist

Quality Customer Service is Important to Us. Tell Us How We Are Doing.
Water Division Customer Service Survey
https://www.surveymonkey.com/s/WDNRWater



DEPARTMENT OF THE ARMY

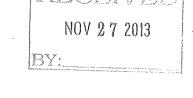
ST. PAUL DISTRICT, CORPS OF ENGINEERS 180 FIFTH STREET EAST, SUITE 700 ST. PAUL MN 55101-1678

November 25, 2013

Operations Regulatory (2013-04274-ADJ)

Hey and Associates Attn: Vince Mosca 26575 W. Commerce Dr., Ste. 601 Volo, Illinois 60073

Dear Mr. Mosca:



This letter is in response to your request for a preliminary jurisdictional determination (JD) for a property at 9100 South 5th Street, located in Sec. 24, T. 5N., R. 22E., City of Oak Creek, Milwaukee County, Wisconsin. The review area for our jurisdictional determination is identified on the attached Exhibit 6.

We have reviewed the information provided in your report and determined that the limits of the aquatic resources have been accurately identified in accordance with current agency guidance including the *Corps of Engineers Wetland Delineation Manual* (1987 Manual) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region. This determination is only valid for the review area shown on the attached Exhibit 6.

This preliminary JD presumes that all of the aquatic resources identified in the review area subject to Corps of Engineers' jurisdiction under the Clean Water Act. Since the determination is considered preliminary it is not appealable under our administrative appeal procedures (33 CFR 331). If you prefer an appealable approved jurisdictional determination that verifies the jurisdictional status of the aquatic resources within the review area you may request one by contacting the Corps representative identified in the final paragraph of this letter.

If this preliminary JD is acceptable, please sign and date both copies of the Preliminary Jurisdictional Determination Form and return one copy to the letterhead address within 30 days from the date of this letter.

nga panggangan di salah dagan giya kwa nga mitu minagan nga panggan di salah sa sa sa sa kababa Kantan balah di salah daga tekepaten penggan di salah kalangan di salah sa sa kalangan di salah di salah di sa Kantan kwa mitu sa sa berbagai penggan penggan penggan penggan penggan penggan penggan di salah di salah di sa

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If you have any questions, contact Anthony Jernigan in our Waukesha field office at 651-290-5729. In any correspondence or inquiries, please refer to the Regulatory number shown above.

Sincerely,

For Tamara E. Cameron Chief, Regulatory Branch

Copy furnished (email): Jesse Jensen, WDNR

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL							
Appli	cant: Connell Aluminum Properties	File Number: 2013-04274-ADJ	Date :Nov. 25, 2013				
Attache	d is:		See Section below				
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of Permission)						
	PROFFERED PERMIT (Standard Permit or Letter of Permission)						
	PERMIT DENIAL		С				
	APPROVED JURISDICTIONAL DETERMINATION		D				
X	PRELIMINARY JURISDICTIONAL DETERMINATION	ON	Е				

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/cecw/pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

- A. INITIAL PROFFERED PERMIT: You may accept or object to the permit.
- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approve jurisdictional determinations associated with the permit.
- OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.
- B. .PROFFERED PERMIT: You may accept or appeal the permit.
- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.
- C. PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.
- D. APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.
- ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.
- E. PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJ	ECTIONS TO AN	INITIAL PROFFERED PERMIT	1 5-31/3/11-3
REASONS FOR APPEAL OR OBJECTIONS: (Descri			
proffered permit in clear concise statements. You may attach ad			
are addressed in the administrative record.)		, ,	•
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ADDITIONAL INFORMATION, The consults the second		-turther many the Course many days for	tle o
ADDITIONAL INFORMATION: The appeal is limited to			
record of the appeal conference or meeting, and any supplemen administrative record. Neither the appellant nor the Corps may			
additional information to clarify the location of information that			novide
POINT OF CONTACT FOR QUESTIONS OR INFO		istrative record.	
	1		ing najaga Jan
If you have questions regarding this decision and/or the appeal	contact:	ions regarding the appeal process you may a	aiso
process you may contact:	Contact.		
Anthony Jernigan	Ms. Tony	va A ouff	
U. S. Army Corps of Engineers, Regulatory Branch		rative Appeals Review Officer	
20711 Watertown Rd.		pi Valley Division	
Suite F		80 (1400 Walnut Street)	
Waukesha, Wisconsin 53186		g, MS 39181-0080	
waakesha, wisconshi 55100	(601) 634		
Telephone (651) 290-5729	` '	4-5816 (fax)	
1 cicpitotic (031) 230-3723	(001) 034	-3010 (lax)	
RIGHT OF ENTRY: Your signature below grants the right of	L Conterr to Cover of Englis	age paranual and duy agreement consul	tonto to
conduct investigations of the project site during the course of the			iams, io
investigation, and will have the opportunity to participate in all		viii be provided a 15 day honce of any site	
mirosinguiton, and with mayoring opportunity to participate ill att	Date:	Telephone number;	<u> </u>
	Date.	reichnoue namoer:	
Signature of annallant or agent	• [
Signature of appellant or agent.	1	· 1	
	•		

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

District Office St. Paul District File/ORM # 2013-0	04274-ADJ PJD Date: Nov 25, 2013
State WI City/County Oak Creek/ Milwaukee County Nearest Waterbody: Lake Michigan Location: TRS, LatLong or UTM: 42.878819 N, 87.84767 W	Name/ Address of Person Requesting PJD Hey and Associates Attn: Vince Mosca 26575 W. Commerce Dr., Ste. 601 Volo, Illinois 60073
Non-Wetland Waters: Stream Flow: On the stream of the stream Flow:	c of Any Water Bodies Tidal: the Site Identified as section 10 Waters: Non-Tidal: 7 Office (Desk) Determination Field Determination: Date of Field Trip:
Maps, plans, plots or plat submitted by or on behalf of the Data sheets prepared/submitted by or on behalf of the appl Floffice concurs with data sheets/delineation report Office does not concur with data sheets/delineation Data sheets prepared by the Corps Corps navigable waters' study: U.S. Geological Survey Hydrologic Atlas: I USGS NHD data. I USGS 8 and 12 digit HUC maps. U.S. Geological Survey map(s). Cite quad name: I USDA Natural Resources Conservation Service Soil Survey National wetlands inventory map(s). Cite name: wwi State/Local wetland inventory map(s): FEMA/FIRM maps: I 100-year Floodplain Elevation is: Photographs: Aerial (Name & Date): Other (Name & Date): Previous determination(s). File no. and date of response leteration in the control of the cont	icant/consultant. t. on report. ey. Citation:
Signature and Date of Regulatory Project Manager (REQUIRED)	Signature and Date of Person Requesting Preliminary JD (REQUIRED, unless obtaining the signature is impracticable)
EXPLANATION OF PRELIMINARY AND APPROVED JURISDICTIONAL DETERM	IINATIONS:

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "preconstruction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; a

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

Appendix A - Sites

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	reek/ Milwaukee (Person Requesting F	PJD Paul Crandall	
Site Number	Latitude	Longitude	Cowardin Class	Est. Amount o Aquatic Resou in Review Are	rce Class of	
Wetland	42.87819 N	87.84767 W	Palustrine, emergent	1.26 acre	E2k	
			n/a		:	
			n/a			
			n/a			
			n/a			
:			n/a			
Notes:		-				
Notes:						
Notes:						
Notes:						
Notes:						

