



SOIL BORING LOG INFORMATION Form 4400-122 7-98

Route to: Watershed/Wastewater □ Waste Management Remediation/Redevelopment Other 🗆

Facility/Project Name West Waterfront Redevelopment Project							License/Permit/Monitoring Number Boring Number WMW-8 Date Drilling Started Date Drilling Completed Drilling Method									
Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Tony Last Name: Kapugi Firm: On_Site Environmental Drilling Inc. WI Unique Well No. DNR Well Id No. Well Name WMW-8							Orilling Sta				72. 1		ng Metho	g Method D Hollow Stem Auger		
							Static Wate 3.81	M/D/Y er Level	Surface Elevation 583.5			4.25" ID Hollow Stem Auge Borehole Dia. 8-inch			Auger	
State P	Local Grid Origin L (estimated: □) or Boring Location □ State Plane N, E NE 1/4 of NE 1/4, of Section 7, T 27 N, R 26 E Facility Id. County						-	_"	Local C	Frid Locat	D N	pplicable)				
							y Code		Civil T	Feet own/City/	☐ S or Villag	Feet □ W				
SAMPLE 1 §						15				Sturgeon	Bay		· mina			
Number and Vype	Length Att. & TT Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	AND GEOL	CK DESCRIPTION OGIC ORIGIN FOR MAJOR UNIT	· sa	Graphic Log	Well Diagram	9	Compressive	SOIL PRO	KOPE Tuning Training	Plusticity fades C		RQD/Comments	
Num) (ype	L'engi Reco	Blow	Depth		MAJOR UNIT	USCS	Grap	Well	PID/FID	Comp	Moisture Content.	Liquis	Plusti	P 200	Rob	
			-1 -2 -	Concrete (4") FILL, SAND, some gravel, coal ash, low moisture, no odor, grey-white-brown		FILL/ SP			0		М					
			-3 -4 -5						0		w					
			-6 -7						0		w					
			-8 -9	wet, no odor, reddi	white blendable soil-materi	8 SM			0		w					
			-10	CLAY, silty, some a	sand, wet, low plasticity,	CL					Ê					
			-11 -12 -13	gray		SM			0		w					
			-13 -14 - -15	SAND, some grave wet, no odor, reddi	el, occ. 1" red clay lenses, ish brown	SP			o		w					
			-16 -17	EOB @ 15 feet bgs Well set @ 12.8 fe												
			-18 - -19													
			-20 - -21												ı	
			-22 -23													
			-24 -25													
I hereby Signatu		nat the	informa	ition on this form is	s true and correct to the be	est of m	y knowled	ge.	_	_						
	/	fe	11	Stem			AY			CIAT						
This for	m is aut	orized	by Char	pters 281, 283, 289	291, 292, 293, 295, and	299. W	is Stats, C	ompletion	of this r	eport is m	andatory	Failure	e to file		_	

this form play result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conductu involved. Personally indentifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION Form 4400-122 7-98

Route to: Watershed/Wastewater Waste Management Remediation/Redevelopment Other

Facility/Project Name West Waterfront Redevelopment Project Boring Drilled By: Name of crew chief (first,last) and Firm First Name: Tony Last Name: Kapugi Firm: On_Site Environmental Drilling Inc.							License/Permit/Monitoring Number Boring Number WPZ-10										
							orilling Star			rilling Co		Drilling Method					
WI Unique Well No. DNR Well Id No. Well Name WPZ-10							tatic Wate	M/D/Y r Level	Surface Elevation						Auger		
	Local Grid Origin L (estimated: U) or Boring Location U State Plane N. E						4.88	10	Local C	rid Locat	ion (If ap	pplicable)					
NE 1/4 of NE 1/4, of Section 7, T 27 N, R 26 E						Long	0.1	H	I C' - I T	Feet	□S	Feet □ W					
Facility Id. County Door						County Code Civil Town/City/or Village 15 City of Sturgeon Bay											
SAN	APLE .		J3clow 0	1				SOIL I			PROPERTIES			stu			
Number and Type:	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Belov ground surface)	AND GEOL	CK DESCRIPTION OGIC ORIGIN FOR MAJOR UNIT	nscs	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments		
			-1 -2 -3 -4	Concrete (4") FILL, SAND, some no odor, gray/white	silt, some gravel, moist	Fill/ SM			0		М						
			-5 -5 -6 -7 -7	FILL, woodchips, n dk brown	noist, no odor	Fill/ Wood		V	0		М						
			-9 -10	SAND, some silt, v	vet, no odor, dk brown	SM	85566		o		w						
			-11 - -12 - -13	CLAY, some grave no odor, red/brown	l, wet, low plasticity,	CL			0		w						
			-14 -14 - -15	SAND, some silt, s no odor, dk brown	ome gravel, wet	SM			0		w						
			-16 - -17 - -18								W						
			- -19 - -20	CLAV sama grava	L wat high plasticity						W						
T hereby	certny	hat the	-21 -22 -23 -24 -25	no odor, red	I, wet, high plasticity	CH est or my	knowledge	įe.			W						
This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and									ASSO			Farlus	to file				

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, and 299, wis.stats. Completion of this report is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conductu involved. Personally indentifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION (CONTINUED)

Form 4400-122

7-91

WPZ-10 cont. Page 2 of 2 SAMPLE FIELD OBSERVATIONS SOIL PROPERTIES SOIL/ROCK DESCRIPTION LENGTH BLOW DEPTH GRAPHIC WELL PID/ STANDARD MOISTURE LÍQUID PLASTIC P-200 RDQ/ NUMBER RECOV-COUNT AND GEOLOGIC ORIGIN FOR IN USCS LOG DIAGRAM FID PENETRA-CONTENT LIMIT LIMIT comment EACH MAJOR UNIT ERED (IN) FEET TION -26 CLAY, some gravel, wet, high plasticity no odor, red CH W -27 -28 W -29 -30 W -31 -32 W -33 -34 -35 EOB @ 35 feet bgs Well set @ 34.7 feet -36 -37 -38 -39 -40 -41 -42 -43 -44 -45 -46 -47 -48 -49 -50 -51 -52 -53 -54 -55 -56 -57 -58 -59

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

AYRES ASSOCIATES

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 or nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or

SOIL BORING LOG INFORMATION

Form 4400-122

Route to: Watershed/Wastewater Waste Management Remediation/Redevelopment Other

Page 1 of 1

Facility/Project Name West Waterfront Redevelopment Project						License/Permit/Monitoring Number						Boring Number WGP-8					
First Na	ame: To	By: Na	me of c	rew chief (first,last) Last Name: Kap	and Firm		rilling Sta			rilling Co			rilling Method				
WI Uni	que Wel	Environ No.	DNR	Drilling Inc. Well Id No.	Well Name	7/15/2014 M/D/Y Final Static Water Level			7/15/2014 M/D/Y Surface Elevation								
		in L(e		I: □) or Boring Lo	WGP-8 cation □	Lat.	0 1	-11	Local Grid Location (If a			2-inch pplicable)					
State Pl NE 1/4		/4, of S	N, ection	7, T 27 N, R 26 E		Long			Feet D S			Feet D W					
Facility	Id.			County	n.	County Code Civil Town/City/or Village 15 City of Sturgeon Bay						je -					
SAN	SAMPLE 5				Door	15			City of	Sturgeon		PROPERTIES					
Number and Type	Length Att & Recovered (m)	Blow Counts		AND GEOL	CK DESCRIPTION OGIC ORIGIN FOR MAJOR UNIT	uscs	Graphic Log	Well Diagram	PID/FID	Cumpressive	Musture	Liquid Limit	Plasticaly Index	P 200	RQD/Comments		
			-1 -2 -3	Concrete (4") FILL, SAND, some no odor, it brown/g	a silt, some gravel, moist gray	FILL/ SM			1		M						
			-4 -5 -6	GRAVEL, some sa black and it brown	and, moist, well graded, no	o odor GW			2		М						
			-7 -8 - -9	SAND, some silt, s no odor, dk brown **indistinct odor @		SM			0		М						
			-10 -11 -12 -13 -14	EOB @ 10 feet bg Abandoned with b													
			-15 -16 -17 -18 -19														
			-20 - -21 - -22 - -23														
i hereby Signatu		hat the	-24 - -25 -	ation on this form is	s true and correct to the b	est or my	knowledg Firm	ge.									

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis.Stats. Completion of this report is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conductu involved. Personally indentifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION

Form 4400-122

7-98

-122 7

Route to:

Watershed/Wastewater □ Waste Management □

Remediation/Redevelopment 🗭 Other □

Page 1 of 1

												1 450	1 01 1				
Facility/Project Name							License/Permit/Monitoring Number						Boring Number				
				rfront Redevelopme								WMW-4					
				ew chief (first,last)		Date I	rilling Sta	rted	Date Drilling Completed			Drilling Method					
1	ame: To	•		Last Name: Kapı	ıgi		0/0040							•	_		
Firm: WI Un:	que Wel	Environ No.	IDNR V	Drilling Inc. Well Id No.	Well Name	5/23/2013 M/D/Y Final Static Water Level			5/23	/2013 Surface	м/D/Y Elevation	4.25" 1	D Hollov Boreho		Auger		
					WMW-4	Lat.	4.38						8-inch				
	Local Grid Origin I (estimated: □) or Boring Location □ State Plane N, E							"	Local C	rid Locat	ion (If ap _l □ N	olicable)	ОΕ			
NE 1/4	NE 1/4 of NE 1/4, of Section 7, T 27 N, R 26 E						0 1	Jt.		Feet			Feet				
Facility Id. County						County	Code		Civil To	wn/City/	or Village						
			γ		Door	15	,		City of	Sturgeon							
SAN	MPLE I		Below	Below				_			SOIL P	PROPERTIES			<u>.</u> නු		
Number and Type	Length Au. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	AND GEOL	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT			Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments		
			-1 -2 -2 -3	Asphalt (4") FILL, SAND, some medium grained, n	e gravel, trace silt, moist, lo odor, brown	FILL/ SP			0.8		М						
			- -4 - -5					Ž	0.6		М						
			-6 - -7 -	SAND, silty, some	gravel, wet, no odor	SM			0		w						
			-8 - -9 - -10						0		w						
			- -12 -	GRAVEL, silty, sor grained, wet, no oc	ne organic material, coars dor, black	ė			1	:	w						
			-13 - -14 - -15		cobbles at 15 feet	GM			0.2		W						
			- -17 -	EOB @ 15 feet bg Well set @ 12.8 fe													
			-18 - -19 - -20							5							
			-21 -22 -22														
			-23 -23														
I hovak	, aarts	nor two	- -25 -	tion on this tower	N FILO and appears to the fee												
Signatu		nat the		7.	s true and correct to the be	st of my	/ knowledg	ge.									
_	Sterme								ASSO	CIAT	ES						

This form/s author/ed by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis.Stats. Completion of this report is mandatory. Failure to file this form/pay result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conductu involved. Personally indentifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wiscosnin Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122

Route to: Watershed/Wastewater Waste Management Other \square Remediation/Redevelopment 🞵

Page 1 of 1

Facility	/Project			, , ,	License/Permit/Monitoring Number Boring Number										
Davis	West Waterfront Redevelopment Project Boring Drilled By: Name of crew chief (first, last) and Firm							d	ID. B	.:11:	. 1 1	WMW-14			
	Drilled i ame: D i			ew chief (first,last) Last Name:	and Firm	Date 1	Orilling Sta	rted	Date Drilling Completed			Drilling Method			
				Drilling Inc.		5/1	5/2015	M/D/Y	EIAEI20AE NOW			4 25" 1	D Hallos	u Stam	Augor
WI Uni	ique Wel	No.	DNR	Well Id No.	Well Name		Static Wate		5/15/2015 M/D/Y Surface Elevation			1 Borehole Dia.			
	-				WMW-14	Lat.	3.65			583.5			8-inch		
	Local Grid Origin I (estimated: □) or Boring Location □ State Plane N, E							_"	Local C	rid Locat	ion (If ap _l □ N	plicable)	СΕ	
NE 1/4	NE 1/4 of NE 1/4, of Section 7, T 27 N, R 26 E						. ,	п		Feet		□ E Feet □ W			
	Facility Id. County						y Code		Civil To	own/City/	or Village	2			
					Door	15			City of	Sturgeon					
SAN	ИPLE		3clow								SOIL P	PROPERTIES			र्घ
Number and Type	Length Att. & Recovered (m)	Blow Counts	Depth in Foet (Below ground surface)	AND GEOL	SOIL/ROCK DESCRIPTION AND GEOLOGIC ORIGIN FOR EACH MAJOR UNIT		Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			1 2 3	Paved Lot FILL, silty sand, so hydrocarbon odor,		FILL			8.7		D				
			-4 -4 -	SAND, silty, some	gravel wet	SM		2.2		D					
			slight hydrocarbon -6 -7 -8 SILT, trace clay, we no odor, black			OW			3.5		w				
					et, non- plastic,	ML			3.0		w				
			-10 - -11 - -12	SAND, silty, wet, fi slight hydrocarbon	ne-med grained, odor, dk brown	SM			1.6		w				
			- -13 - -14 -	med-course graine	I, trace-some silt, wet, d sand, fine-med gravel, ded, no odor, brown	GM			1.8		W				
				EOB @ 15 feet bgs Well set @ 11.7 fe					·						
			- -19 - -20											-	
			- -21 -												
			-22 - -23												
			- -24												
T hereby	/ certify	hat the	- -25 -	fion on this form is	true and correct to the be	et ot m	/ knowled	TA		No			P-7 7 x		
Signatu		and till	OIIIId	mon on una lutil la	and and correct to the De		Firm	5 ~ .							

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats. Completion of this report is mandatory. Failure to file this form may result in fortesture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conductu involved. Personally indentifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.