Alliant Energy
4902 North Biltmore Lane
P.O. Box 77007
Madison, WI 53707-1007

1-800-ALLIANT (800-255-4268)
alliantenergy.com

February 11, 2025

Submitted via electronic mail

Mr. Tony Peterson
Wisconsin Department of Natural Resources
141 NW Barstow St Ste 180
Waukesha, WI 53188-3789

Subject: **Withdrawal of Expedited Plan of Operations Modification Request and Submittal of Plan of Operations Modification Request**
Disposal of Kilbourn Dredge Sediment
Columbia Dry Ash Disposal Facility (License #3025)
Wisconsin Power and Light Company
Portage, WI

Dear Mr. Peterson,

On behalf of Wisconsin Power and Light Company (WPL), Alliant Energy is submitting the enclosed request to withdraw the Expedited Plan of Operations Modification Request submitted on January 15, 2025. Alliant Energy is concurrently submitting a Plan of Operations request, prepared by SCS Engineers, for disposal of sediment dredged from the Wisconsin River near the WPL Kilbourn Hydroelectric Facility. We acknowledge that the Plan of Operations request will incur an additional fee for review.

Thank you very much for your consideration. If you have any questions regarding this request, please call me at (608) 458-3853.

Regards,

Jeff Maxted
Manager – Environmental Services
Alliant Energy

CC: Tyler Sullivan – Wisconsin DNR
Brian Clepper – WPL Columbia Energy Center
Isaac Torres – WPL
Phil Gearing – SCS Engineers

February 11, 2025
File No. 25225044.00

Mr. Tony Peterson
Wisconsin Department of Natural Resources
141 NW Barstow St. Ste 180
Waukesha, WI 53188-3789

Subject: Withdrawal of Expedited Plan of Operations Modification Request and Submittal of Plan of Operations Modification Request
Authorization to Dispose of Kilbourn Dredge Sediment
Dry Ash Disposal Facility (DNR License #3025)
WPL- Columbia Energy Center
Portage, Wisconsin

Dear Mr. Peterson:

On behalf of Wisconsin Power and Light Company (WPL), SCS Engineers (SCS) is requesting to withdraw the Expedited Plan of Operations Modification Request for the Dry Ash Disposal Facility at the Columbia Energy Center submitted by Alliant Energy on January 15, 2025, for the disposal of dredged sediment generated during maintenance dredging at the WPL Kilbourn Hydroelectric Facility (Wisconsin Dells, Wisconsin) at the COL Dry Ash Disposal Facility.

In lieu of the expedited request and also on behalf of WPL, SCS is submitting this Plan of Operation Modification Request to dispose of the dredged sediment at the COL Dry Ash Disposal Facility. It is our understanding, per Ch. 289.54 (2), Stats., that a public meeting in Columbia County will be required before approval.

The COL Dry Ash Disposal Facility does not have a Wisconsin Department of Natural Resources (DNR) approved special waste management plan. Per NR 506.09 (2), the waste characterization information below is provided to support our request for authorization to accept additional waste types without an approved special waste management plan:

(a) The material is Wisconsin River sediment generated during maintenance dredging of the forebay at the Kilbourn Dam. We are requesting to landfill dredged material that was removed when an oil sheen was observed on the water surface. This was separated from other dredge material to be dewatered, stockpiled, and resampled to determine potential impact. Laboratory analytical results for two pre-dredging sediment samples collected in September 2020 are provided in **Attachment A**. Laboratory analytical results for two post-dredging sediment samples collected in September 2024 and October 2024 are provided in **Attachment B**.
(b) The volume of material to be disposed is approximately 290 cubic yards.
(c) The source of the material is Wisconsin River sediment that accumulated in the forebay of the Kilbourn Dam, which was removed during maintenance dredging completed in September 2024.
(d) Disposal will occur in one placement event.

(e) Material will be mixed with incoming coal combustion residuals (CCR) in the active area of the disposal facility.

In addition to the disposal of the existing dredged sediment described, WPL is requesting permission to landfill dredged sediment from future dredging events. Prior to disposal, WPL will provide a proposed volume for landfilling and characterization of the material for WDNR concurrence.

If you have questions about this request, please call Jeff Maxted at 608-458-3853.

Sincerely,

Phillip Gearing, PE
Project Manager
SCS Engineers

Eric J. Nelson, PE
Project Director
SCS Engineers

PEG/REO_AJR/EJN

cc: Brian Clepper, Alliant Energy
Jeff Maxted, Alliant Energy
Eric Sandvig, Alliant Energy

Encl. PE Certification Statement
Attachment A – Pre-Dredging Analytical Results
Attachment B – Post-Dredging Analytical Results

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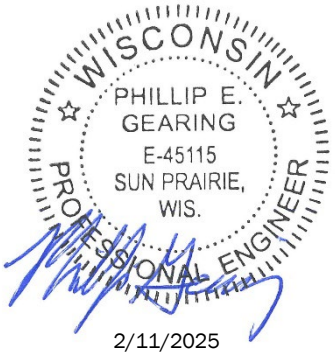
CERTIFICATION

This Plan Modification has been completed in accordance with the Wisconsin Administrative Code (Wis. Adm. Code). I, Phillip E. Gearing, hereby certify that I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 500 to 538, Wis. Adm. Code.



2/11/2025

_____, Senior Project Manager E-45115
Signature, title and P.E. number

February 11, 2025
Date

Attachment A

Pre-Dredging Analytical Results

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

September 16, 2020

Rick Guenther
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

Dear Rick Guenther:

Enclosed are the analytical results for sample(s) received by the laboratory on September 04, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Lindsey Carlson, SCS ENGINEERS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40214083001	**SED-1**	Solid	09/03/20 12:45	09/04/20 07:10
40214083002	**SED-2**	Solid	09/03/20 13:50	09/04/20 07:10

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40214083001	**SED-1**	EPA 8082	BDS	10
		EPA 6010	TXW	6
		EPA 7471	AJT	1
		ASTM D2974-87	AH	1
		EPA 350.1	TMK	1
		EPA 365.4	DAW	1
		EPA 9060 Modified	TJJ	4
40214083002	**SED-2**	EPA 8082	BDS	10
		EPA 6010	TXW	6
		EPA 7471	AJT	1
		ASTM D2974-87	AH	1
		EPA 350.1	TMK	1
		EPA 365.4	DAW	1
		EPA 9060 Modified	TJJ	4

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40214083001	**SED-1**					
EPA 6010	Arsenic	3.1J	mg/kg	6.8	09/09/20 20:58	
EPA 6010	Chromium	5.1	mg/kg	1.4	09/09/20 20:58	
EPA 6010	Lead	10.1	mg/kg	2.8	09/09/20 20:58	
EPA 6010	Nickel	5.2	mg/kg	1.4	09/09/20 20:58	
EPA 6010	Zinc	23.6	mg/kg	5.6	09/09/20 20:58	
ASTM D2974-87	Percent Moisture	30.1	%	0.10	09/10/20 11:38	
EPA 350.1	Nitrogen, Ammonia	37.8	mg/kg	29.8	09/08/20 17:59	
EPA 365.4	Phosphorus	156	mg/kg	21.4	09/16/20 12:04	
EPA 9060 Modified	RPD%	16.8	%	0.10	09/10/20 20:54	
EPA 9060 Modified	Total Organic Carbon	21200	mg/kg	4300	09/10/20 20:54	
EPA 9060 Modified	Total Organic Carbon	25100	mg/kg	4390	09/10/20 21:00	
EPA 9060 Modified	Mean Total Organic Carbon	23100	mg/kg	4350	09/10/20 20:54	
40214083002	**SED-2**					
EPA 6010	Chromium	5.8	mg/kg	1.2	09/09/20 21:01	
EPA 6010	Lead	3.1	mg/kg	2.3	09/09/20 21:01	
EPA 6010	Nickel	6.5	mg/kg	1.2	09/09/20 21:01	
EPA 6010	Zinc	18.5	mg/kg	4.6	09/09/20 21:01	
ASTM D2974-87	Percent Moisture	18.7	%	0.10	09/10/20 11:38	
EPA 350.1	Nitrogen, Ammonia	16.9J	mg/kg	25.4	09/08/20 18:00	
EPA 365.4	Phosphorus	94.4	mg/kg	21.8	09/16/20 11:51	
EPA 9060 Modified	RPD%	28.3	%	0.10	09/10/20 21:07	
EPA 9060 Modified	Total Organic Carbon	12800	mg/kg	3650	09/10/20 21:07	
EPA 9060 Modified	Total Organic Carbon	17000	mg/kg	3680	09/10/20 21:13	
EPA 9060 Modified	Mean Total Organic Carbon	14900	mg/kg	3660	09/10/20 21:07	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

Sample: SED-1 **Lab ID: 40214083001** Collected: 09/03/20 12:45 Received: 09/04/20 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<21.7**	ug/kg	71.4	21.7	1	09/04/20 16:24	09/09/20 00:41	12674-11-2	
PCB-1221 (Aroclor 1221)	**<21.7**	ug/kg	71.4	21.7	1	09/04/20 16:24	09/09/20 00:41	11104-28-2	
PCB-1232 (Aroclor 1232)	**<21.7**	ug/kg	71.4	21.7	1	09/04/20 16:24	09/09/20 00:41	11141-16-5	
PCB-1242 (Aroclor 1242)	**<21.7**	ug/kg	71.4	21.7	1	09/04/20 16:24	09/09/20 00:41	53469-21-9	
PCB-1248 (Aroclor 1248)	**<21.7**	ug/kg	71.4	21.7	1	09/04/20 16:24	09/09/20 00:41	12672-29-6	
PCB-1254 (Aroclor 1254)	**<21.7**	ug/kg	71.4	21.7	1	09/04/20 16:24	09/09/20 00:41	11097-69-1	
PCB-1260 (Aroclor 1260)	**<21.7**	ug/kg	71.4	21.7	1	09/04/20 16:24	09/09/20 00:41	11096-82-5	
PCB, Total	**<21.7**	ug/kg	71.4	21.7	1	09/04/20 16:24	09/09/20 00:41	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	86	%	69-115		1	09/04/20 16:24	09/09/20 00:41	877-09-8	
Decachlorobiphenyl (S)	89	%	62-104		1	09/04/20 16:24	09/09/20 00:41	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Green Bay								
Arsenic	**3.1J**	mg/kg	6.8	2.0	1	09/08/20 07:52	09/09/20 20:58	7440-38-2	
Cadmium	**<0.19**	mg/kg	0.70	0.19	1	09/08/20 07:52	09/09/20 20:58	7440-43-9	
Chromium	**5.1**	mg/kg	1.4	0.39	1	09/08/20 07:52	09/09/20 20:58	7440-47-3	
Lead	**10.1**	mg/kg	2.8	0.83	1	09/08/20 07:52	09/09/20 20:58	7439-92-1	
Nickel	**5.2**	mg/kg	1.4	0.37	1	09/08/20 07:52	09/09/20 20:58	7440-02-0	
Zinc	**23.6**	mg/kg	5.6	1.7	1	09/08/20 07:52	09/09/20 20:58	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.044**	mg/kg	0.15	0.044	1	09/10/20 08:39	09/10/20 13:24	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**30.1**	%	0.10	0.10	1		09/10/20 11:38		
350.1 Ammonia	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**37.8**	mg/kg	29.8	8.9	1	09/08/20 15:10	09/08/20 17:59	7664-41-7	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Green Bay								
Phosphorus	**156**	mg/kg	21.4	3.1	1	09/16/20 01:00	09/16/20 12:04	7723-14-0	
Total Organic Carbon	Analytical Method: EPA 9060 Modified Pace Analytical Services - Green Bay								
Surrogates									
RPD%	**16.8**	%	0.10	0.10	1		09/10/20 20:54		
Total Organic Carbon	**21200**	mg/kg	4300	1280	1		09/10/20 20:54	7440-44-0	
Total Organic Carbon	**25100**	mg/kg	4390	1310	1		09/10/20 21:00	7440-44-0	
Mean Total Organic Carbon	**23100**	mg/kg	4350	1300	1		09/10/20 20:54	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

Sample: SED-2 **Lab ID: 40214083002** Collected: 09/03/20 13:50 Received: 09/04/20 07:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541 Pace Analytical Services - Green Bay								
PCB-1016 (Aroclor 1016)	**<18.7**	ug/kg	61.3	18.7	1	09/04/20 16:24	09/09/20 01:03	12674-11-2	
PCB-1221 (Aroclor 1221)	**<18.7**	ug/kg	61.3	18.7	1	09/04/20 16:24	09/09/20 01:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**<18.7**	ug/kg	61.3	18.7	1	09/04/20 16:24	09/09/20 01:03	11141-16-5	
PCB-1242 (Aroclor 1242)	**<18.7**	ug/kg	61.3	18.7	1	09/04/20 16:24	09/09/20 01:03	53469-21-9	
PCB-1248 (Aroclor 1248)	**<18.7**	ug/kg	61.3	18.7	1	09/04/20 16:24	09/09/20 01:03	12672-29-6	
PCB-1254 (Aroclor 1254)	**<18.7**	ug/kg	61.3	18.7	1	09/04/20 16:24	09/09/20 01:03	11097-69-1	
PCB-1260 (Aroclor 1260)	**<18.7**	ug/kg	61.3	18.7	1	09/04/20 16:24	09/09/20 01:03	11096-82-5	
PCB, Total	**<18.7**	ug/kg	61.3	18.7	1	09/04/20 16:24	09/09/20 01:03	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	69-115		1	09/04/20 16:24	09/09/20 01:03	877-09-8	
Decachlorobiphenyl (S)	92	%	62-104		1	09/04/20 16:24	09/09/20 01:03	2051-24-3	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Green Bay								
Arsenic	**<1.7**	mg/kg	5.6	1.7	1	09/08/20 07:52	09/09/20 21:01	7440-38-2	
Cadmium	**<0.15**	mg/kg	0.58	0.15	1	09/08/20 07:52	09/09/20 21:01	7440-43-9	
Chromium	**5.8**	mg/kg	1.2	0.32	1	09/08/20 07:52	09/09/20 21:01	7440-47-3	
Lead	**3.1**	mg/kg	2.3	0.69	1	09/08/20 07:52	09/09/20 21:01	7439-92-1	
Nickel	**6.5**	mg/kg	1.2	0.31	1	09/08/20 07:52	09/09/20 21:01	7440-02-0	
Zinc	**18.5**	mg/kg	4.6	1.4	1	09/08/20 07:52	09/09/20 21:01	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Green Bay								
Mercury	**<0.038**	mg/kg	0.13	0.038	1	09/10/20 08:39	09/10/20 13:26	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.7**	%	0.10	0.10	1		09/10/20 11:38		
350.1 Ammonia	Analytical Method: EPA 350.1 Preparation Method: EPA 350.1 Pace Analytical Services - Green Bay								
Nitrogen, Ammonia	**16.9J**	mg/kg	25.4	7.6	1	09/08/20 15:10	09/08/20 18:00	7664-41-7	
365.4 Total Phosphorus	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4 Pace Analytical Services - Green Bay								
Phosphorus	**94.4**	mg/kg	21.8	3.2	1	09/16/20 01:00	09/16/20 11:51	7723-14-0	
Total Organic Carbon	Analytical Method: EPA 9060 Modified Pace Analytical Services - Green Bay								
Surrogates									
RPD%	**28.3**	%	0.10	0.10	1		09/10/20 21:07		
Total Organic Carbon	**12800**	mg/kg	3650	1090	1		09/10/20 21:07	7440-44-0	
Total Organic Carbon	**17000**	mg/kg	3680	1100	1		09/10/20 21:13	7440-44-0	
Mean Total Organic Carbon	**14900**	mg/kg	3660	1090	1		09/10/20 21:07	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

QC Batch: 365079
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40214083001, 40214083002

METHOD BLANK: 2109768 Matrix: Solid
Associated Lab Samples: 40214083001, 40214083002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	09/10/20 12:37	

LABORATORY CONTROL SAMPLE: 2109769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.81	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2109770 2109771

Parameter	Units	40213999001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.035	0.86	0.86	0.79	0.79	90	90	85-115	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

QC Batch: 364808
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40214083001, 40214083002

METHOD BLANK: 2108570 Matrix: Solid
Associated Lab Samples: 40214083001, 40214083002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	4.9	09/09/20 20:19	
Cadmium	mg/kg	<0.13	0.50	09/09/20 20:19	
Chromium	mg/kg	<0.28	1.0	09/09/20 20:19	
Lead	mg/kg	<0.60	2.0	09/09/20 20:19	
Nickel	mg/kg	<0.26	1.0	09/09/20 20:19	
Zinc	mg/kg	<1.2	4.0	09/09/20 20:19	

LABORATORY CONTROL SAMPLE: 2108571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	50.6	101	80-120	
Cadmium	mg/kg	50	50.8	102	80-120	
Chromium	mg/kg	50	50.6	101	80-120	
Lead	mg/kg	50	51.5	103	80-120	
Nickel	mg/kg	50	51.2	102	80-120	
Zinc	mg/kg	50	50.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2108572 2108573

Parameter	Units	40213879001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	8.1	52.1	52	59.8	59.7	99	99	75-125	0	20	
Cadmium	mg/kg	2.5	52.1	52	54.0	53.1	99	97	75-125	2	20	
Chromium	mg/kg	76.0	52.1	52	128	127	101	98	75-125	1	20	
Lead	mg/kg	112	52.1	52	160	161	92	95	75-125	1	20	
Nickel	mg/kg	40.0	52.1	52	90.1	89.3	96	95	75-125	1	20	
Zinc	mg/kg	851	52.1	52	929	931	149	154	75-125	0	20	P6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

QC Batch: 364759
QC Batch Method: EPA 3541
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40214083001, 40214083002

METHOD BLANK: 2108069 Matrix: Solid
Associated Lab Samples: 40214083001, 40214083002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<15.2	50.0	09/08/20 18:32	
PCB-1221 (Aroclor 1221)	ug/kg	<15.2	50.0	09/08/20 18:32	
PCB-1232 (Aroclor 1232)	ug/kg	<15.2	50.0	09/08/20 18:32	
PCB-1242 (Aroclor 1242)	ug/kg	<15.2	50.0	09/08/20 18:32	
PCB-1248 (Aroclor 1248)	ug/kg	<15.2	50.0	09/08/20 18:32	
PCB-1254 (Aroclor 1254)	ug/kg	<15.2	50.0	09/08/20 18:32	
PCB-1260 (Aroclor 1260)	ug/kg	<15.2	50.0	09/08/20 18:32	
Decachlorobiphenyl (S)	%	102	62-104	09/08/20 18:32	
Tetrachloro-m-xylene (S)	%	90	69-115	09/08/20 18:32	

LABORATORY CONTROL SAMPLE: 2108070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<15.2			
PCB-1221 (Aroclor 1221)	ug/kg		<15.2			
PCB-1232 (Aroclor 1232)	ug/kg		<15.2			
PCB-1242 (Aroclor 1242)	ug/kg		<15.2			
PCB-1248 (Aroclor 1248)	ug/kg		<15.2			
PCB-1254 (Aroclor 1254)	ug/kg		<15.2			
PCB-1260 (Aroclor 1260)	ug/kg	500	447	89	59-119	
Decachlorobiphenyl (S)	%			98	62-104	
Tetrachloro-m-xylene (S)	%			89	69-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2108071 2108072

Parameter	Units	40213999001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1221 (Aroclor 1221)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1232 (Aroclor 1232)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1242 (Aroclor 1242)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1248 (Aroclor 1248)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1254 (Aroclor 1254)	ug/kg	<15.8			<15.8	<15.8					20	
PCB-1260 (Aroclor 1260)	ug/kg	<15.8	520	519	456	441	88	85	55-123	3	20	
Decachlorobiphenyl (S)	%						96	92	62-104			
Tetrachloro-m-xylene (S)	%						86	83	69-115			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

QC Batch: 365124
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40214083001, 40214083002

SAMPLE DUPLICATE: 2109981

Parameter	Units	40213851014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.9	10.0	9	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

QC Batch: 364870
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40214083001, 40214083002

METHOD BLANK: 2108757 Matrix: Solid
Associated Lab Samples: 40214083001, 40214083002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/kg	<6.4	21.5	09/08/20 17:56	

LABORATORY CONTROL SAMPLE: 2108758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/kg	300	300	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2108759 2108760

Parameter	Units	40214083002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/kg	16.9J	358	354	374	371	100	100	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

QC Batch: 365448
QC Batch Method: EPA 365.4
Analysis Method: EPA 365.4
Analysis Description: 365.4 Total Phosphorus
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40214083001, 40214083002

METHOD BLANK: 2111889 Matrix: Solid
Associated Lab Samples: 40214083001, 40214083002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/kg	<2.9	20.0	09/16/20 11:36	

LABORATORY CONTROL SAMPLE: 2111890

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/kg	500	422	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2111891 2111892

Parameter	Units	40214368001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/kg	2180	633	633	2260	2780	13	94	80-120	20	20	M0

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

QC Batch: 365042
QC Batch Method: EPA 9060 Modified
Analysis Method: EPA 9060 Modified
Analysis Description: 9060 TOC Average
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40214083001, 40214083002

METHOD BLANK: 2109619 Matrix: Solid
Associated Lab Samples: 40214083001, 40214083002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/kg	<179	600	09/10/20 18:08	

LABORATORY CONTROL SAMPLE: 2109620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/kg	120000	126000	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2109621 2109622

Parameter	Units	40214091001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mean Total Organic Carbon	mg/kg	612J	7390	7370	9900	8600	126	108	50-150	14	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25220134.00 WPL KILBOURN DAM
Pace Project No.: 40214083

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40214083001	**SED-1**	EPA 3541	364759	EPA 8082	364760
40214083002	**SED-2**	EPA 3541	364759	EPA 8082	364760
40214083001	**SED-1**	EPA 3050	364808	EPA 6010	364889
40214083002	**SED-2**	EPA 3050	364808	EPA 6010	364889
40214083001	**SED-1**	EPA 7471	365079	EPA 7471	365098
40214083002	**SED-2**	EPA 7471	365079	EPA 7471	365098
40214083001	**SED-1**	ASTM D2974-87	365124		
40214083002	**SED-2**	ASTM D2974-87	365124		
40214083001	**SED-1**	EPA 350.1	364870	EPA 350.1	364912
40214083002	**SED-2**	EPA 350.1	364870	EPA 350.1	364912
40214083001	**SED-1**	EPA 365.4	365448	EPA 365.4	365547
40214083002	**SED-2**	EPA 365.4	365448	EPA 365.4	365547
40214083001	**SED-1**	EPA 9060 Modified	365042		
40214083001	**SED-1**	EPA 9060 Modified	365043		
40214083002	**SED-2**	EPA 9060 Modified	365042		
40214083002	**SED-2**	EPA 9060 Modified	365043		

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www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

Page 1 of

40214083

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	SCS Engineers
Branch/Location:	Madison, WI.
Project Contact:	Rick Guenther
Phone:	608-224-2830
Project Number:	25220134.00
Project Name:	Alliant-WPL Kilbourn Dam
Project State:	Wisconsin
Sampled By (Print):	Adam Watson
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Rick Guenther
Mail To Company:	SCS Engineers
Mail To Address:	RGuenther@scsengineers.com
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
Sl = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: TOC	PCB	Ammonia, Phos, metals						CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)					N	N	N	N							
PRESERVATION (CODE)*					A	A	A	A							
001	SED-1	9/3/20	1245	S	X	X							Metals are		
001	SED-1	"	1245	S			X						Arsenic, Cadmium,		
002	SED-2	"	1350	S	X	X							Chromium, Lead,		
002	SED-2	↓	1350	S			X						Mercury, Nickel,		
													and Zinc		

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	9/3/2020, 1645		
CS Logistics	9/4/20 0710	Kupp Pace	9/4/20 0710

PACE Project No.
40214083

Receipt Temp = ROI °C
Sample Receipt pH
OK / Adjusted
Cooler Custody Seal
Present / ~~Not Present~~
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Container Order #685756

40214083

Addresses

Order By :		Ship To :		Return To:	
Company	SCS ENGINEERS	Company	SCS ENGINEERS (Pace Analytical Green	Company	Pace Analytical Green Bay
Contact	Guenther, Rick	Contact	Adam Watson	Contact	Milewsky, Dan
Email	rguenther@scsengineers.com	Email	awatson@scsengineers.com	Email	dan.milewsky@pacelabs.com
Address	2830 Dairy Drive	Address	2830 Dairy Drive	Address	1241 Bellevue Street
Address 2		Address 2		Address 2	Suite 9
City	Madison	City	Madison	City	Green Bay
State	WI Zip 53718	State	WI Zip 53718	State	WI Zip 54302
Phone	608-216-7378	Phone	608-216-7378	Phone	(920)469-2436

Info

Project Name	Wis Dells Sediment	**Due Date**	08/25/2020	**Profile**	x	**Quote**	
Project Manager	Milewsky, Dan	**Return Date**		**Carrier**	Most Economical	**Location**	

Trip Blanks

- [ ] Include Trip Blanks

Bottle Labels

- [X] Blank
- [ ] Pre-Printed No Sample IDs
- [ ] Pre-Printed With Sample IDs

Bottles

- [ ] Boxed Cases
- [ ] Individually Wrapped
- [ ] Grouped By Sample ID/Matrix

Return Shipping Labels

- [ ] No Shipper
- [ ] With Shipper

COC Options

- [X] Number of Blanks: 1
- [ ] Pre-Printed

Misc

- [ ] Sampling Instructions
- [ ] Custody Seal
- [ ] Temp. Blanks
- [X] Coolers
- [ ] Syringes
- [ ] Extra Bubble Wrap
- [ ] Short Hold/Rush Stickers
- [ ] DI Water Liter(s)
- [ ] USDA Regulated Soils

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
3	SL	TOC	4oz. Amber Wide Mouth Jar unpres	3	0	G-0-119-04DB	
3	SL	PCB	4oz. Amber Wide Mouth Jar unpres	3	0	G-0-119-04DB	
3	SL	Ammonia, Phos., Metals	4 oz PlasticCup	3	0	200401	

Hazard Shipping Placard In Place : NA

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to insure proper billing.

LAB USE:

Ship Date :	08/24/2020
Prepared By:	Mai Yer Her
Verified By:	

Sample

CLIENT USE (Optional):

Date Rec'd:	
Received By:	
Verified By:	

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: SCS Engineers Project # 40214083

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted): Initial when completed: Date/ Time:

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN						
001																				1			1									2.5 / 5 / 10
002																				1			1									2.5 / 5 / 10
003																																2.5 / 5 / 10
004																																2.5 / 5 / 10
005																																2.5 / 5 / 10
006																																2.5 / 5 / 10
007																																2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																									9/4/20 SRK							2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:_____ Headspace in VOA Vials (>6mm) : □Yes □No ☒N/A ***If yes look in headspace column**

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40214083

40214083

Client Name: SCS Engineers

Courier: ☒ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 1476.090320

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr:

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 9/4/20 /Initials: SRK

Labeled By Initials: MH

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. Pg. #, invoice to phone 9/4/20 SRK
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S		
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Attachment B

Post-Dredging Analytical Results

CT LABORATORIES
delivering more than data from your environmental analyses

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608 -356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

ALLIANT
LORI JOHNSON
W8375 MURRAY RD
PARDEEVILLE, WI 53954

Project Name: 110813
Project Phase:
Contract #: 2550
Project #:
Folder #: 189599
Purchase Order #: GENCO0000268489

Arrival Temperature: See COC
Report Date: 10/1/2024
Date Received: 9/23/2024
Reprint Date: 10/1/2024

CT LAB Sample#: 1505315 Sample Description: KILTC #1 Sampled: 9/20/2024 13:20

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
TCLP Arsenic	**0.0088**	mg/L	0.0077 *	0.026	1		9/24/2024 12:46	9/25/2024 15:17	NAH	EPA 6010C
TCLP Barium	**0.0051**	mg/L	0.00071	0.0024	1		9/24/2024 12:46	9/25/2024 15:17	NAH	EPA 6010C
TCLP Cadmium	<0.00041	mg/L	0.00041	0.0014	1		9/24/2024 12:46	9/25/2024 15:17	NAH	EPA 6010C
TCLP Chromium	<0.0011	mg/L	0.0011	0.0037	1		9/24/2024 12:46	9/25/2024 15:17	NAH	EPA 6010C
TCLP Lead	**0.0039**	mg/L	0.0014 *	0.0047	1		9/24/2024 12:46	9/25/2024 15:17	NAH	EPA 6010C
TCLP Selenium	<0.01	mg/L	0.01	0.04	1		9/24/2024 12:46	9/25/2024 15:17	NAH	EPA 6010C
TCLP Silver	<0.0011	mg/L	0.0011	0.005	1		9/24/2024 12:46	9/25/2024 15:17	NAH	EPA 6010C
TCLP Mercury	<0.000020	mg/L	0.000020	0.000080	1		9/24/2024 12:46	10/1/2024 10:38	MDS	EPA 7470A

CT LAB Sample#: 1505316 Sample Description: KILTC #2 Sampled: 9/20/2024 13:25

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Metals Results										
TCLP Arsenic	<0.0077	mg/L	0.0077	0.026	1		9/24/2024 12:50	9/25/2024 15:46	NAH	EPA 6010C
TCLP Barium	**0.0090**	mg/L	0.00071	0.0024	1		9/24/2024 12:50	9/25/2024 15:46	NAH	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1505316 Sample Description: KILTC #2 Sampled: 9/20/2024 13:25

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
TCLP Cadmium	<0.00041	mg/L	0.00041		0.0014	1		9/24/2024 12:50	9/25/2024 15:46	NAH	EPA 6010C
TCLP Chromium	**0.0018**	mg/L	0.0011	*	0.0037	1		9/24/2024 12:50	9/25/2024 15:46	NAH	EPA 6010C
TCLP Lead	**0.0069**	mg/L	0.0014		0.0047	1		9/24/2024 12:50	9/25/2024 15:46	NAH	EPA 6010C
TCLP Selenium	<0.01	mg/L	0.01		0.04	1		9/24/2024 12:50	9/25/2024 15:46	NAH	EPA 6010C
TCLP Silver	<0.0011	mg/L	0.0011		0.005	1		9/24/2024 12:50	9/25/2024 15:46	NAH	EPA 6010C
TCLP Mercury	<0.000020	mg/L	0.000020		0.000080	1		9/24/2024 12:50	10/1/2024 10:41	MDS	EPA 7470A

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes regarding entire Chain of Custody:

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# 115843
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01

Rev. 02/2017

CHAIN OF CUSTODY

Page ______ of ______

Company: Alliant Energy

Project Contact: Lori Johnson

Telephone: (608)742-0741 (608)742-0776

Project Name:

Project #: 110813

Location: Columbia Energy Center

Sampled By: Brian Clepper

Folder #: 189599
Company: ALLIANT
Project: 110813
Logged By: erc PM: ETK

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Program:
DSM RCRA SDWA NPDES
Solid Waste Other ______

PO #

Report To:
EMAIL: lorijohnson@alliantenergy.com
Company: Alliant Energy
Address: W8375 Murry Road Pardeeville, WI 53954

Invoice To:*
EMAIL:
Company: Wisconsin Power and Light
Address: 1031 Iowa Street, Ste 5007 Dubuque, IA52001

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

Rush Need ASAP For Disposal

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

ANALYSES REQUESTED: Oil/Grease; TCLP (8RCRA); Paint Filter

Turnaround Time
Normal (RUSH*)
Date Needed: ASAP 24 hrs — mon evening or tuesday
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample #	Sample ID Description	Filtered? Y/N	Oil/Grease	TCLP (8RCRA)	Paint Filter	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
9/20	1:15	S	Com		K:1 016 #1	N	X	#				
9/20	1:20	↓	Com		K:1 TC #1	N		X				1505315
9/20	1:25	↓	Grab		K:1 TC #2	N		X				.16

Fill in Spaces with Bottles per Test

Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	9/20/24 1605
Received by:	Date/Time	Received for Laboratory by:	Date/Time
		Eric	9/23/24 1025

Lab Use Only
Ice Present (Yes) No
Temp 16° IR Gun 32
Cooler # JAC

CT LABORATORIES
delivering more than data from your environmental analyses

CT Laboratories LLC • 1230 Lange Ct • Baraboo, WI 53913
608 -356-2760 • www.ctlaboratories.com

ANALYTICAL REPORT

ALLIANT
BRIAN CLEPPER
W8375 MURRAY RD
PARDEEVILLE, WI 53954

Project Name: KILBOURN HYDRO
Project Phase: DREDGE MATERIAL
Contract #: 2550
Project #:
Folder #: 190502
Purchase Order #: GENCO0000268489

Arrival Temperature: See COC
Report Date: 11/8/2024
Date Received: 10/25/2024
Reprint Date: 11/8/2024

CT LAB Sample#: 1518366 Sample Description: K093024 Sampled: 10/24/2024 11:56

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**97.2**	%			1			11/7/2024 15:36		EPA 8000C
Organic Results										
Gasoline Range Organics	<1.0	mg/kg	1.0	5.1	1		11/6/2024 07:38	11/6/2024 12:15	TMG	WDNR GRO
Diesel Range Organics	<29	mg/kg	29	120	1		10/29/2024 15:15	11/8/2024 02:04	AJZ	EPA 8015C
Oil Range Organics	**82.6**	mg/kg	59 *	240	1		10/29/2024 15:15	11/8/2024 02:04	AJZ	EPA 8015C
Residual Range Organics	**70.8**	mg/kg	59 *	240	1		10/29/2024 15:15	11/8/2024 02:04	AJZ	EPA 8015C

CT LAB Sample#: 1518367 Sample Description: K100224 Sampled: 10/24/2024 12:01

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	**98.9**	%			1			11/7/2024 15:36		EPA 8000C
Organic Results										

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 1518367 Sample Description: K100224 Sampled: 10/24/2024 12:01

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Gasoline Range Organics	<1.0	mg/kg	1.0	5.1	1		11/6/2024 07:38	11/6/2024 12:49	TMG	WDNR GRO
Diesel Range Organics	<29	mg/kg	29	120	1		10/29/2024 15:15	11/8/2024 02:36	AJZ	EPA 8015C
Oil Range Organics	<59	mg/kg	59	230	1		10/29/2024 15:15	11/8/2024 02:36	AJZ	EPA 8015C
Residual Range Organics	<59	mg/kg	59	230	1		10/29/2024 15:15	11/8/2024 02:36	AJZ	EPA 8015C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

Notes regarding entire Chain of Custody:

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 289
Louisiana NELAP (primary) ID# 115843
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
Florida NELAP Lab ID# E871111

Rev. 02/2017

CHAIN OF CUSTODY

Page ______ of ______

Company: Alliant - Columbia Energy Center
Project Contact: Brian Clepper
Telephone: (608) 742-0713
Project Name: Kilbourn Hydro
Project #: Dredged Material
Location: Kilbourn
Sampled By: Brian Clepper

CT LABORATORIES
Order #: 190502
Company: ALLIANT
Project: KILBOURN HYDRO
Logged By: ETK PM: ETK

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Program:
QSM RCRA SDWA NPDES
Solid Waste Other ________

PO #

Report To:
EMAIL: brian.clepper@alliantenergy.com, torijohnson@alliantenergy.com
Company: Alliant
Address: W8375 Murray Road Pardeeville, WI. 53954

Invoice To:*
EMAIL: SAME
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions
Trying to confirm that's there's no petroleum Residues in this material

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Turnaround Time
Normal RUSH*
Date Needed: ________
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

ANALYSES REQUESTED / Fill in Spaces with Bottles per Test

Collection Date	Collection Time	Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered? Y/N	Oil Range / Residual oil	GRO / DRO / WRO	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
10/24/24	1156	S	Grab		K093024	N	1		1		1518366
10/24/24	1201	S	Grab		~~K09~~ K100224	N	1		1		1518367

Relinquished By:	Date/Time	Received By: [signature]	Date/Time 10-25/24 0845
Received by:	Date/Time	Received for Laboratory by: [signature]	Date/Time 10/24/24 16:20

Lab Use Only
Ice Present Yes No
Temp 4.1 IR Gun 32
Cooler # ________