Renewable World Energies

December 3, 2014

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

RE: Flambeau Hydroelectric Projects
FERC Project Number 2640 **FERC Project Number 2421**
FERC Project Number 2395 **FERC Project Number 2473**
Flambeau Hydro LLC
Final Report 2014 Water Quality Monitoring Data

Dear Ms. Bose:

On behalf of Flambeau Hydro LLC, "Flambeau" (Licensee), Renewable World Energies, LLC (RWE) is submitting a copy of the *Final Report 2014 Water Quality Monitoring Data* for each of the (4) Flambeau Hydroelectric Projects (Flambeau Upper, Flambeau Lower, Flambeau Pixley, and Flambeau Crowley). The report is a requirement of Flambeau's Federal license pursuant to articles 406 and 408 and the approved Water Quality Monitoring Plans for each. 2014 was the eleventh year monitoring was conducted since the license was issued, but is the 3rd year of submittal by RWE on the behalf of the Licensee.

Monitoring was conducted on June 10, July 14, and August 12, 2014. No out of the ordinary issues were encountered. Ice-Out occurred later than normal this year. High flows and dangerous water conditions prevented the Ice-Out sampling from occurring until June, as documented in the correspondence sections of the reports. The draft report was sent to the agencies by a letter dated October 29, 2014 as an attachment to an e-mail sent the same day for review and comment. No comments were received from WDNR or the USFWS. The next scheduled monitoring event will be conducted in 2015.

If you have any questions concerning this submittal, please contact Mr. Gary Rast at the Renewable World Energies, LLC offices @ 855-994-9376 Ext 105. He can also be reached by e-mail at grast@rwehydro.com.

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100 S. State Street
Neshkoro, WI 54960
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(855-994-9376)
www.renewableworldenergies.com

Administrative Office
1001 Stephenson Street
Norway, MI 49870
Fax: 906-563-9344

Renewable World Energies

Sincerely,
Renewable World Energies, LLC
Agent for Licensee

Mr. Jason Kreuscher
Vice President, Operations

Attachments: Flambeau Upper Final Report 2014 Water Quality Monitoring Data - December 3, 2014

Flambeau Lower Final Report 2014 Water Quality Monitoring Data - December 3, 2014

Flambeau Pixley Final Report 2014 Water Quality Monitoring Data - December 3, 2014

Flambeau Crowley Final Report 2014 Water Quality Monitoring Data - December 3, 2014

Cc: Ms. Cheryl Laatsch, WDNR
Mr. Nick Utrup, USFWS
RWE, Corporate

Final Report

2014 Water Quality Monitoring Data

For the

Flambeau (Upper) Hydroelectric Project
FERC Project #2640
Flambeau Hydro, LLC

North Fork of the Flambeau River, Price County, Wisconsin

Respectfully Submitted by:

Renewable World Energies, LLC
100 State Street – P.O. Box 264
Neshkoro, Wisconsin 54960

Final – December 3, 2014

Table of Contents

Summary

2014 marked the eleventh year of water quality sampling under the FERC approved "Water Quality Monitoring Plan Per License Article 408 for the Flambeau (Upper) Hydroelectric Project – FERC Project # 2640 – Flambeau Hydro, LLC". Sampling was accomplished according to the plan and was un-eventful, with no major problems or concerns.

Ice-Out occurred between Agenda and Nine Mile Landing on the North Fork of the Flambeau River sometime during the week beginning April 20, 2014. The Licensee traveled to the region during the week of May 5, 2014 thru May 9, 2014 to conduct the monitoring. River flow, based on Flambeau Upper Hydroelectric Project records was over 4000 cubic feet per second during this time. High flows and dangerous conditions prevented sampling from being accomplished. The Licensee contacted agencies with this information and proposed the Ice-Out sampling be abandoned for 2014. The WDNR responded they wished the sampling be performed even if it could not be done until June. The Licensee gave the agencies an update on the sampling progress on May 27, 2014. They were told that nothing had been collected to that point; flows had come down quite a bit, however the boat barriers had not been installed at Upper or Lower. Sampling is on hold until at least the week of June 2nd or June 9th. The Ice-Out sampling event occurred on June 10, 2014. River flow, based on the Flambeau (Upper) Hydroelectric Project records, was approximately 1246 cubic feet per second. Sampling occurred between 7:30 a.m. and 7:46 a.m. Samples were taken without incident. No unusual D.O. or Temperature readings were observed. Samples for laboratory analysis were delivered to Northern Lake Service, Inc. in Crandon, WI on June 11, 2014. Northern Lake Service, Inc. issued a laboratory report on June 19, 2014. No unusual levels of Chlorophyll a, True Color, or Total Phosphorus were noted in the laboratory reports.

River flow, based on Flambeau (Upper) Hydroelectric Project records, was approximately 1055 cubic feet per second during the July 14, 2014 sampling event. Sampling occurred between 7:30 a.m. Samples were taken without incident. No unusual D.O or Temperature readings were observed. Samples for laboratory analysis were delivered to Northern Lake Service, Inc. in Crandon, WI on July 15, 2014. Northern Lake Service, Inc. issued a laboratory report on July 22, 2014. No unusual levels of Chlorophyll a, True Color, or Total Phosphorus were noted in the laboratory reports.

River flow, based on Flambeau (Upper) Hydroelectric Project records, was approximately 737 cubic feet per second during the August 12, 2014 sampling event. Sampling occurred between 7:30 a.m. and 7:49 a.m. Samples were taken without incident. No unusual D.O or Temperature readings were observed. Samples for laboratory analysis were delivered to Northern Lake Service, Inc. in Crandon, WI on August 13, 2014. Northern Lake Service, Inc. issued a laboratory report on August 18, 2014. No unusual levels of Chlorophyll a, True Color, or Total Phosphorus were noted in the laboratory reports.

In general, the weather (temperature and rainfall) during the 2014 monitoring season appeared cooler in April, slightly warmer in May, June, July, and August with higher than normal precipitation in the months of April, May, June, and August. Temperatures in May, June, July, and August were about .5 degrees warmer than normal but precipitation was slightly (11%) below normal for July. **(Refer to 2014 Monthly Temperature and Precipitation Table page 7)**

A summary of a comparison between the 2011 thru 2014 (**Refer to 2014 Flambeau Upper Project Sampling Comparison Table 2011-2014 page 8**) sampling results are as follows:

1. Water Clarity – Decreased Ice-Out – Normal July – Increased Slightly August
2. Chlorophyll a – Increased Ice-Out – Decreased July/August
3. Color – Increased Ice-Out – Decreased July/August
4. Total Phosphorus – Decreased Ice-Out/August – Normal July
5. Overall, D.O. – Decreased Ice-Out/August – Increased July
6. Water Temperatures – Increased Ice-Out – Decreased July/August

Correspondence from the agencies during 2010 indicated they would prefer that notifications of incidents be by e-mail only and that telephone contacts are not needed. All other correspondence can be found on page 13, **Appendix D**. The next scheduled Water Quality Monitoring at the Upper Hydroelectric Project is set to take place in 2015 beginning with the Ice-Out sampling event.

2014
Sampling Results
Table

Flambeau (Upper) Hydroelectric Project - FERC Project # 2640
2014 Water Quality Sampling Data

	June 10, 2014	July 14, 2014	August 12, 2014
Project Flow (c.f.s.)	1216	1055	737

Dissolved Oxygen

	June 10, 2014			July 14, 2014			August 12, 2014		
	Time	D.O. (mg/L)	Water Temp. (°C)	Time	D.O. (mg/L)	Water Temp. (°C)	Time	D.O. (mg/L)	Water Temp. (°C)
0.5 feet below surface	7:39 AM	7.35	17.70	7:45 AM	7.22	21.30	7:42 AM	7.12	21.00
3 feet below surface	7:40 AM	7.37	17.80	7:46 AM	7.24	21.20	7:43 AM	7.04	21.20
6 feet below surface	7:41 AM	7.35	17.80	7:47 AM	7.26	21.20	7:44 AM	6.98	21.40
9 feet below surface	7:42 AM	7.26	17.80	7:48 AM	7.28	21.20	7:45 AM	6.95	21.40
12 feet below surface	7:43 AM	7.21	17.70	7:49 AM	7.30	21.10	7:46 AM	6.94	21.50
15 feet below surface	7:44 AM	7.13	17.70	7:15 AM	7.35	21.10	7:47 AM	6.91	21.60
18 feet below surface	7:45 AM	7.11	17.60	7:16 AM	7.19	21.00	7:48 AM	6.88	21.60
0.5 feet above bottom	7:46 AM	7.09	17.60	7:17 AM	7.19	21.00	7:49 AM	6.88	21.60

Secchi Disk

	June 10, 2014		July 14, 2014		August 12, 2014	
	Time	Depth (ft)	Time	Depth (ft)	Time	Depth (ft)
Feet below surface	7:33 AM	3.20	7:35 AM	3.50	7:35 AM	3.10

Chlorophyll a

	June 10, 2014		July 14, 2014		August 12, 2014	
	Time	ug/L	Time	ug/L	Time	ug/L
3 feet below surface	7:35 AM	1.90	7:40 AM	3.20	7:37 AM	5.60

Color (True)

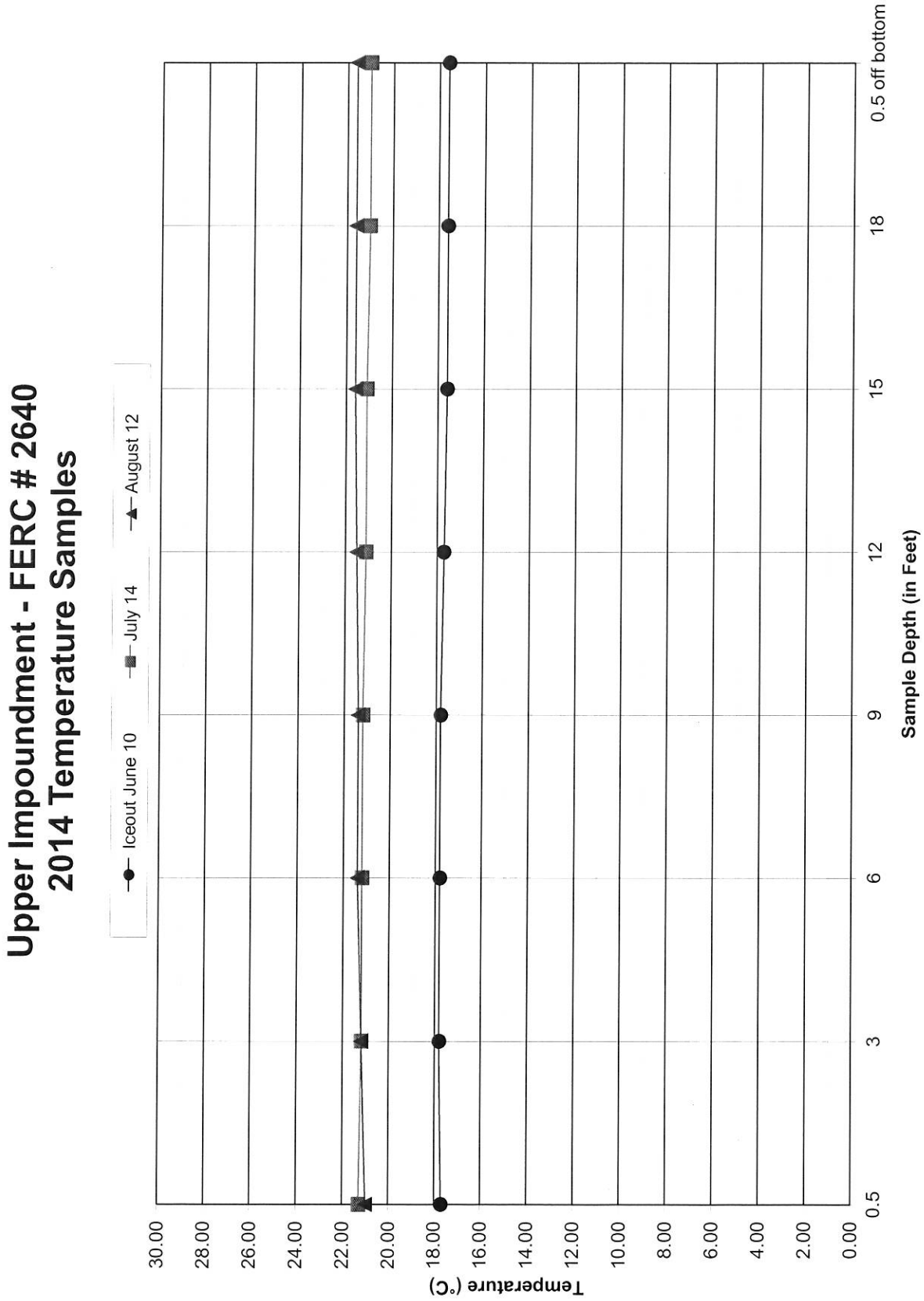
	June 10, 2014			July 14, 2014			August 12, 2014		
	Time	C.P.U. Units	LOD	Time	C.P.U. Units	LOD	Time	C.P.U. Units	LOD
3 feet below surface	7:36 AM	130.00	25*	7:41 AM	100.00	25*	7:39 AM	100.00	25*

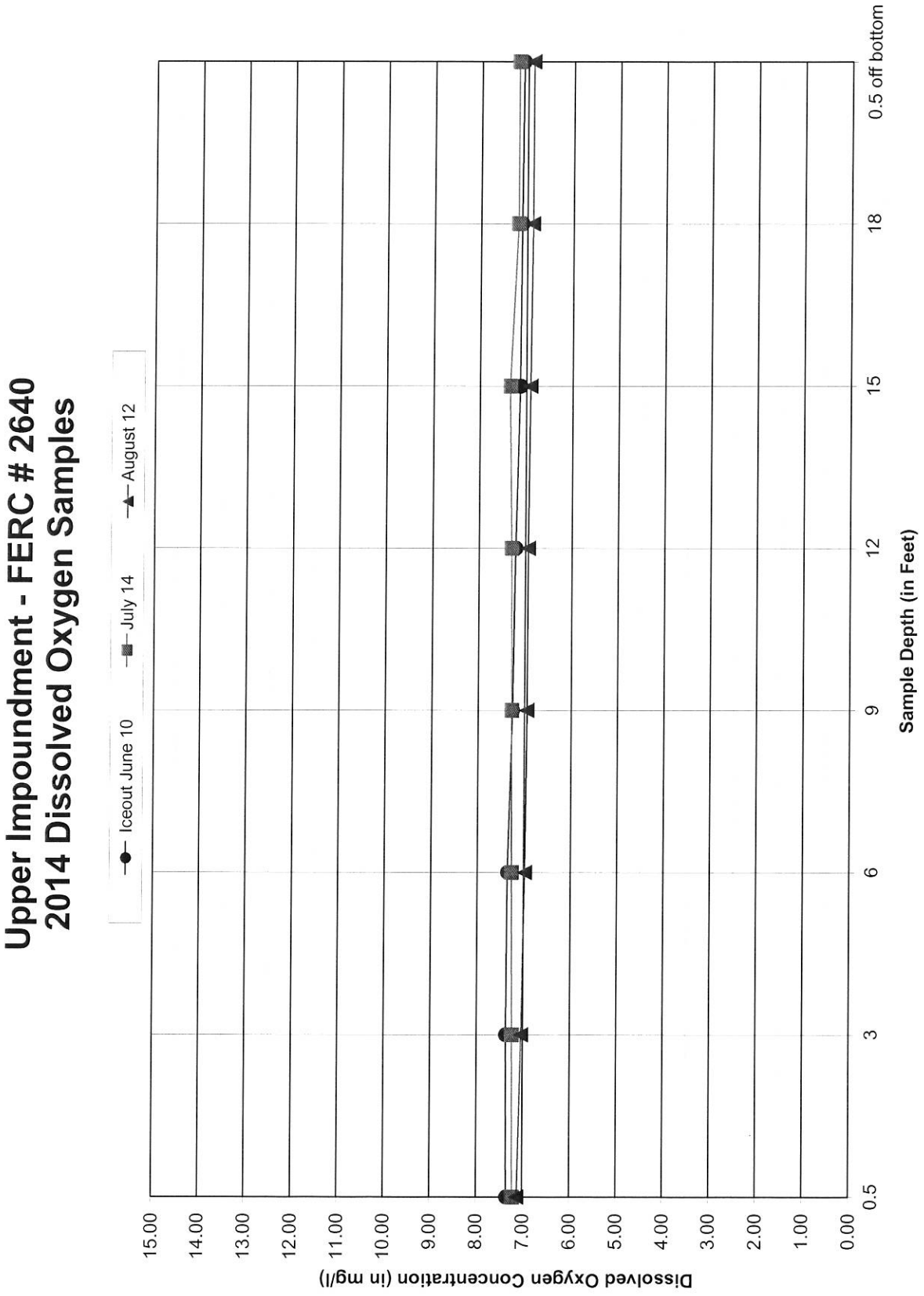
Total Phosphorus

	June 10, 2014			July 14, 2014			August 12, 2014		
	Time	mg/L	LOD	Time	mg/L	LOD	Time	mg/L	LOD
3 feet below surface	7:37 AM	0.024	0.0070*	7:42 AM	0.035	0.0070*	7:40 AM	0.024	0.0070*
3 feet above bottom	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Considered Reporting Limits

2014 Temperature and Dissolved Oxygen Graphs





2014
Monthly Temperature
and
Precipitation
Table

2014 Water Year Monthly Temperature and Precipitation for Park Falls, Wisconsin

Month	Highest Temp.	Lowest Temp.	Average Temp.	Departure From Normal	Heating Degree Days	Normal Degree Days	Total Precip.	Total Snowfall	Normal Precip.	% of Normal Precipitation
October-13	74	21	45.0	1.8	610	678	3.93	0.3	5.01	78%
November-13	50	-3	27.9	-0.9	1105	1088	0.82	4.7	2.09	39%
December-13	35	-21	4.6	-10.2	1866	1556	2.88	39.9	1.21	238%
January-14	34	-28	1.6	-8.6	1955	1699	0.73	9.4	0.96	76%
February-14	41	-22	5.3	-9.8	1663	1399	2.12	29.5	0.81	262%
March-14	52	-23	18.4	-7.5	1439	1210	1.91	20.9	1.49	128%
April-14	66	11	35.1	-4.5	886	762	3.30	26.3	2.43	136%
May-14	85	31	51.9	0.5	414	426	4.37	T	3.23	135%
June-14	82	42	60.3	0.2	162	179	4.47	T	4.23	106%
July-14	88	45	66.3	0.5	40	63	3.42	0.0	3.85	89%
August-14	83	48	64.7	0.4	37	86	4.63	0.0	3.70	125%
September-14	81	34	57.4	1.8	227	298	1.64	0.0	4.11	40%

Source: NOAA/Duluth, MN

2014
Flambeau Upper
Sampling Comparison Table
2011—2014

Flambeau Upper

Project Sampling Comparison Table

2011 Thru Current Year

Year	Month	Secchi Depth (m)	Chlorophyll a ug/l	Color (True) C.P.U. Units	Total Phosphorus Below Surface mg/l	Total Phosphorus Above Bottom mg/l	Low D.O. mg/l	High D.O. mg/l	Low Water Temp. °C	High Water Temp. °C
2011	April	3.50	0.51	100.00	0.025	0.028	12.63	12.91	5.90	6.40
2012	April	3.50	1.00	100.00	0.027		12.01	11.71	8.50	8.90
2013	May									
2014	June	3.20	1.90	130.00	0.024		7.09	7.37	17.60	17.80
Minimum	April/June	3.20	0.51	100.00	0.024	0.028	7.09	7.37	5.90	6.40
Maximum	April/June	3.50	1.90	130.00	0.027	0.028	12.63	12.91	17.60	17.80
Average	April/June	3.40	1.14	110.00	0.025	0.028	10.58	10.66	10.67	11.03
2011	July	3.80	5.80	70.00	0.038		7.37	7.70	24.40	25.20
2012	July	3.50	5.90	70.00	0.036		6.56	6.91	24.30	24.80
2013	July	3.10	1.60	150.00	0.026		6.35	6.41	24.00	24.20
2014	July	3.50	3.20	100.00	0.035		7.19	7.35	21.00	21.30
Minimum	July	3.10	1.60	70.00	0.026	0.000	6.35	6.41	21.00	21.30
Maximum	July	3.80	5.90	150.00	0.038	0.000	7.37	7.70	24.40	25.20
Average	July	3.48	4.13	97.50	0.034	#DIV/0!	6.87	7.09	23.43	23.88
2011	August	2.90	11.00	120.00	0.033		8.13	8.43	22.20	22.90
2012	August	2.70	12.00	70.00	0.037		7.61	8.08	22.70	22.90
2013	August	3.30	6.00	130.00	0.066		7.45	7.69	19.50	19.70
2014	August	3.10	5.60	100.00	0.024		6.88	7.12	21.00	21.60
Minimum	August	2.70	5.60	70.00	0.024	0.000	6.88	7.12	19.50	19.70
Maximum	August	3.30	12.00	130.00	0.066	0.000	8.13	8.43	22.70	22.90
Average	August	3.00	8.65	105.00	0.040	#DIV/0!	7.52	7.83	21.35	21.78

No Sample or Discontinued

Upper Impoundment

Sampling Location

Map

WISCONSIN CONSERVATION DEPARTMENT

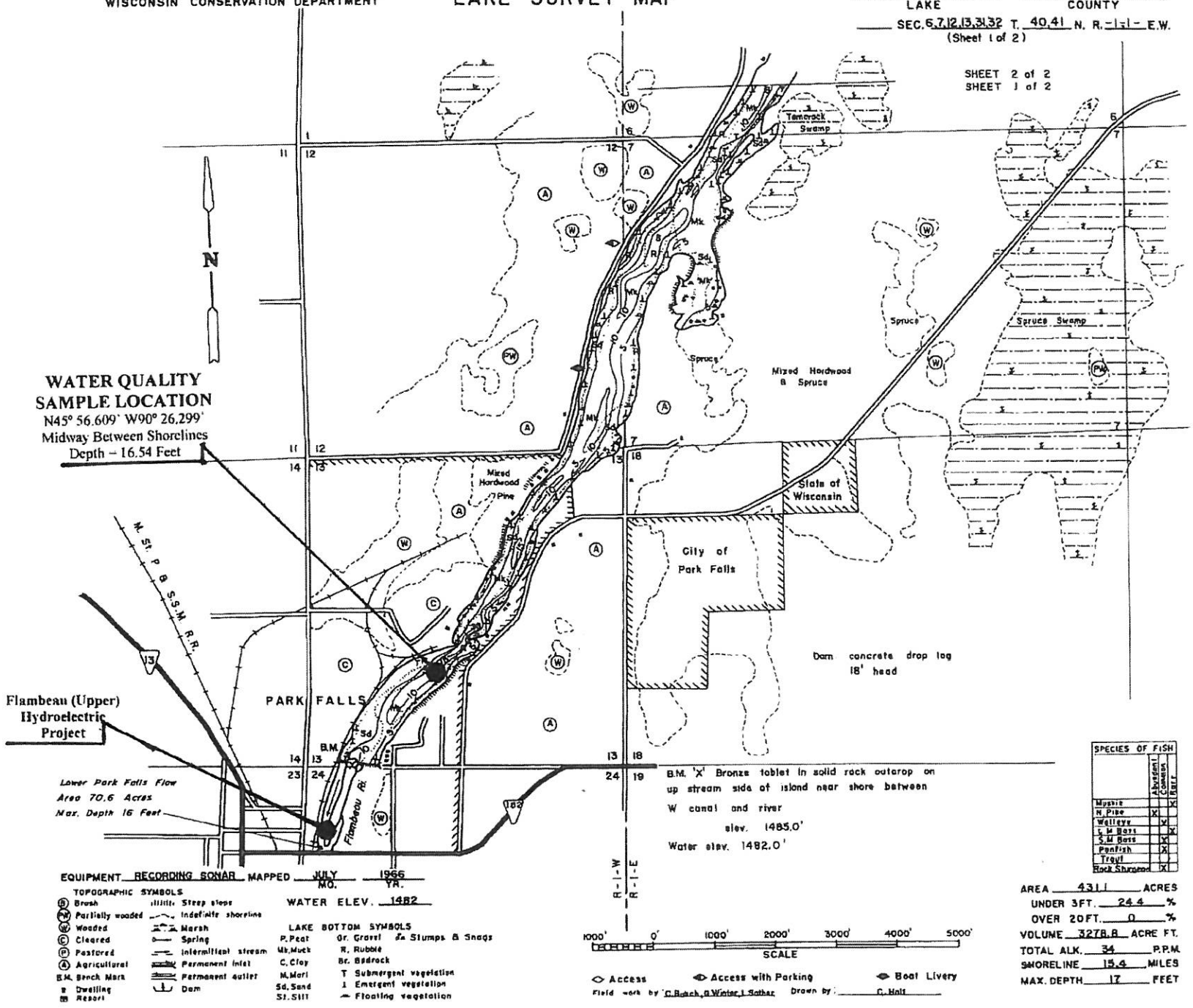
LAKE SURVEY MAP

UPPER PARK FALLS LAKE — PRICE & ASHLAND COUNTY

SEC. 6,7,12,13,31,32 T. 40,41 N. R. 1-1- E.W.

(Sheet 1 of 2)

SHEET 2 of 2
SHEET 1 of 2



SPECIES OF FISH	Abundant	Common	Rare
Muskie			
N. Pike	X		
Walleye		X	
S. M. Bass		X	X
L. M. Bass		X	
Panfish		X	
Trout			
Rock Sturgeon			X

EQUIPMENT RECORDING SONAR MAPPED JULY MO. 1966 YR.

WATER ELEV. 1482

TOPOGRAPHIC SYMBOLS

- (B) Brush
- (PW) Partially wooded
- (W) Wooded
- (C) Cleared
- (P) Pastured
- (A) Agricultural
- B.M. Bench Mark
- Dwelling
- Resort
- Steep slope
- Indefinite shoreline
- Marsh
- Spring
- Intermittent stream
- Permanent inlet
- Permanent outlet
- Dam

LAKE BOTTOM SYMBOLS

- P. Peat
- Mk. Muck
- C. Clay
- M. Marl
- Sd. Sand
- Si. Silt
- Gr. Gravel
- R. Rubble
- Br. Bedrock
- T Submergent vegetation
- E Emergent vegetation
- Floating vegetation
- Stumps & Snags

◇ Access ◈ Access with Parking ◈ Boat Livery

Field work by C. Brasch, G. Winter, J. Sather Drawn by: C. Holt

AREA 431.1 ACRES
UNDER 3FT. 24.4 %
OVER 20FT. 0 %
VOLUME 3278.8 ACRE FT.
TOTAL ALK. 34 P.P.M.
SHORELINE 15.4 MILES
MAX. DEPTH 17 FEET

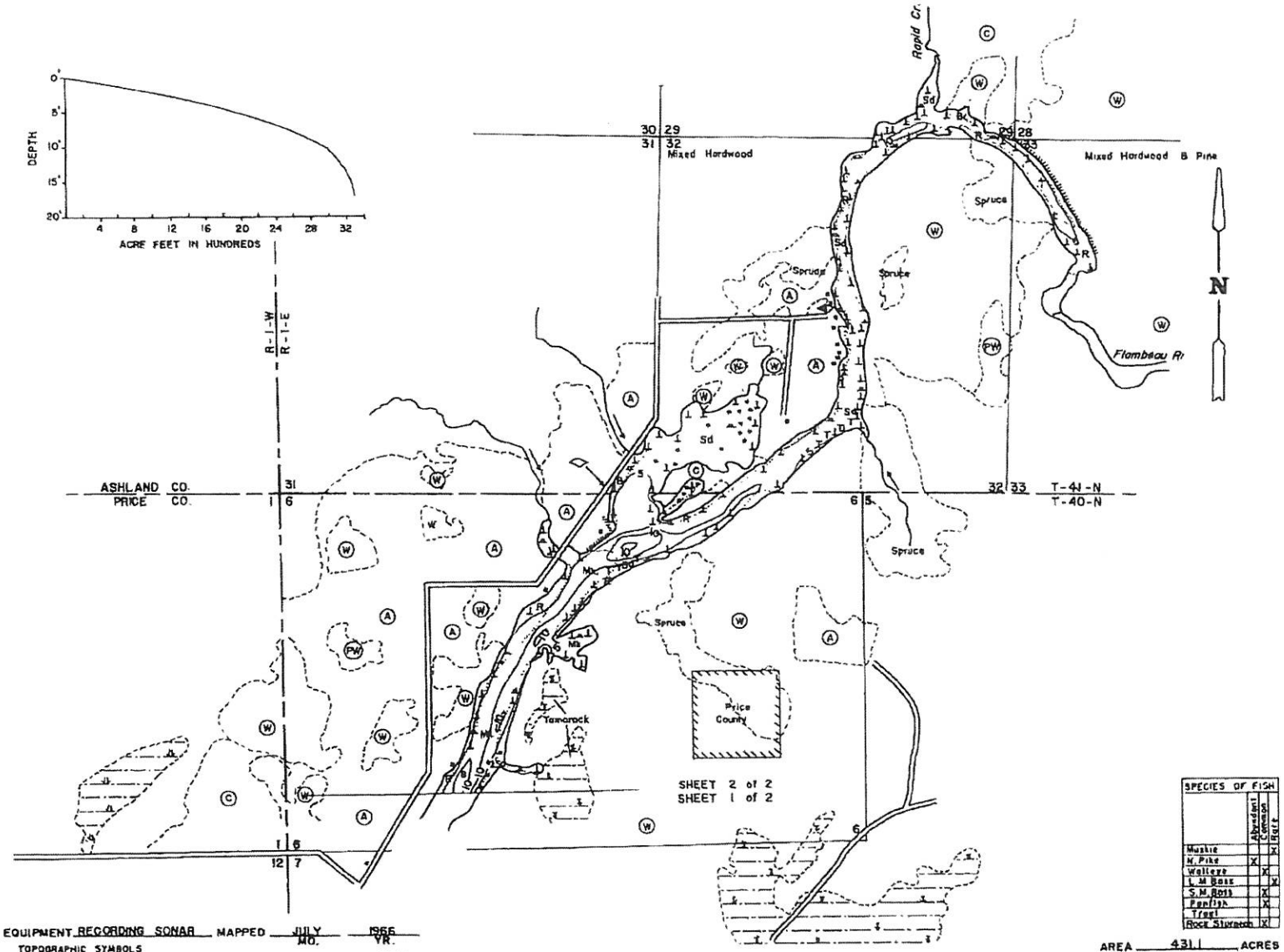
WISCONSIN CONSERVATION DEPARTMENT

LAKE SURVEY MAP

UPPER PARK FALLS LAKE — PRICE & ASHLAND COUNTY

SEC. 6,7,12,13,31,32 T. 40,41 N. R. 1-I- E.W.

(Sheet 2 of 2)



SPECIES OF FISH	Abundant	Common	Stocked
Muskie			X
N. Pike	X		
Walleye		X	
L.M. Bass			X
S.M. Bass		X	
Panfish		X	
Trout			
Rock Sturgeon			X

EQUIPMENT RECORDING SONAR MAPPED JULY (MO.) 1966 (YR.)

WATER ELEV. 1482

TOPOGRAPHIC SYMBOLS

- (B) Brush
- (PW) Partially wooded
- (W) Wooded
- (C) Cleared
- (P) Pastured
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◇ Access ◆ Access with Parking ◆ Boat Livery

Field work by C.Rusch, G.Winter, J. Sather Drawn by C. Holt

AREA 431.1 ACRES

UNDER 3FT. 29.4 %

OVER 20FT. 0 %

VOLUME 3278.8 ACRE FT.

TOTAL ALK. 34 P.P.M.

SHORELINE 15.4 MILES

MAX. DEPTH 17 FEET

Appendix A

June 10, 2014 Ice-Out Sampling Documents

IMPOUNDMENT SAMPLING LOG

2014 Water Quality Study - Flambeau Upper Hydroelectric Project - FERC #2640

Pre-Sampling Data: HWL - 1486.69 TWL-1467.6 Date: 6/10/14 CFS - 1216

Time: 7:30 Barometer: 30.02 Air Temp: 13.0 °C Wind Speed: _____

Sky Conditions: CALM, FAIR & CLEAR, + BRIGHT SUN

Precipitation within Last 24 Hours: TRACE

D.O. Meter Calibration: Instrument Model Used: Hach HQ40d

Were The Batterys Changed? □ Yes ☒ No If Yes, When Changed: _____

Battery Status: 80% Charge

Calibration Time: FEB. 2014 Method: Factory

Sampling Depth Profile: Measured Depth to Bottom of the Impoundment: 19.0 Feet

Secchi Disk Depth: (E0.1 Foot) 3.2 Feet Time: 7:33

Chlorophyll a (3 Feet Below Surface)

Lab Sample I.D.# : 20140610-1A

Time	Quantity (ml)	Filtered
7:35	1000	NO

True Color (3 Feet Below Surface)

Lab Sample I.D.# : 20140610-1B

Time	Quantity (ml)
7:36	250

D.O. Sample Data

Depth	Time	D.O. (mg/l)	°C
.5 Ft Below Surface	7:39	7.35	17.7
3 Feet	7:40	7.37	17.8
6 Feet	7:41	7.35	17.8
9 Feet	7:42	7.26	17.8
12 Feet	7:43	7.21	17.7
15 Feet	7:44	7.13	17.7
18 Feet	7:45	7.11	17.6
21 Feet			
24 Feet			
.5 Ft Above Bottom	7:46	7.09	17.6

Phosphorus

Lab Sample I.D.#: 20140610-1C

(3 Feet Below Surface)

Time	Preserved?
7:37	H_2SO_4

Lab Sample I.D.# : N/A

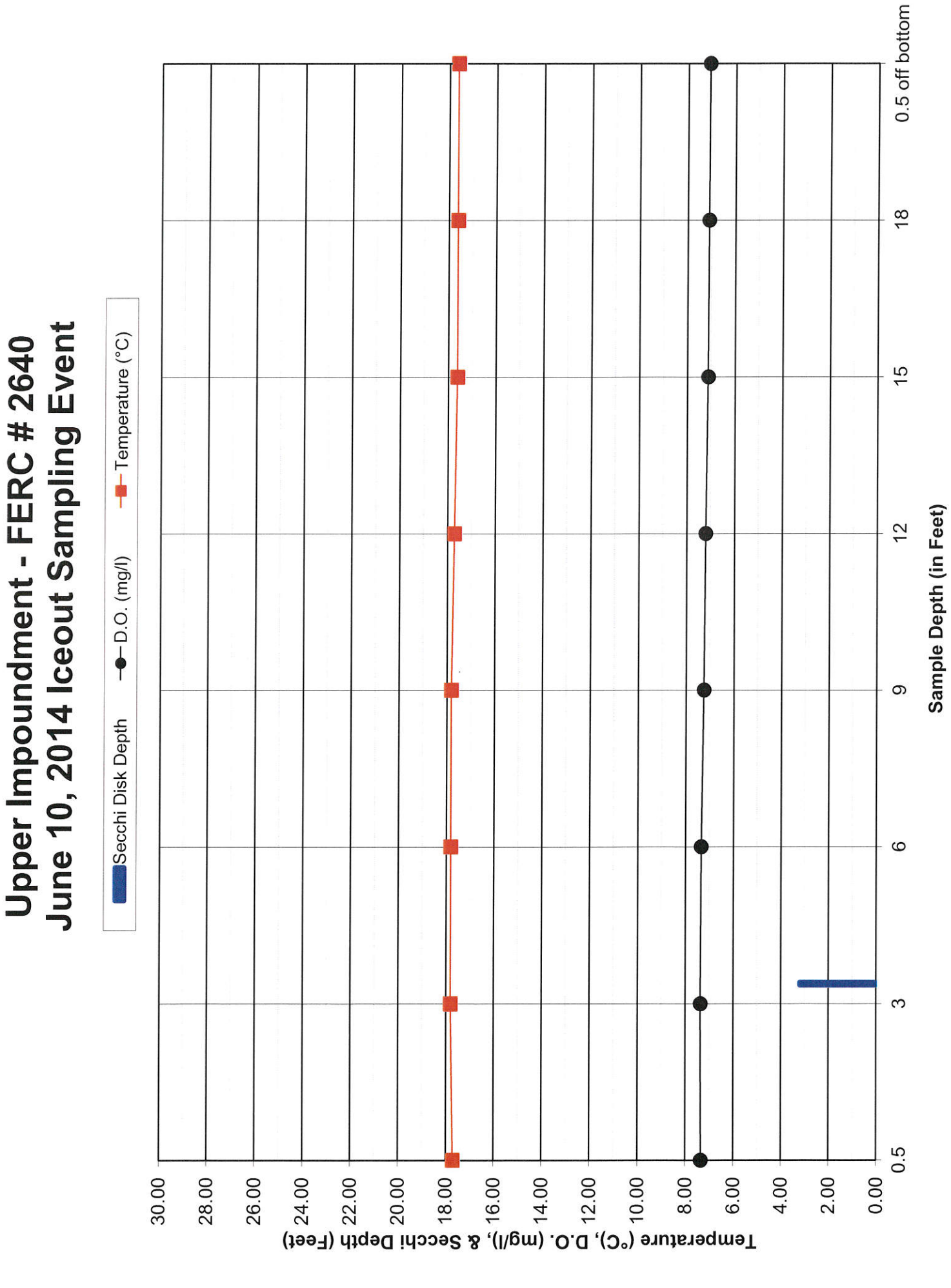
(3 Feet Above Bottom)

Time	Preserved?
N/A	N/A

Sample Location: N45° 56.609' W90° 26.299'

Comments: _____

Performed By: GARY RAST



NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 06/19/14 Code: NNNN-S

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

NLS Project: 220578
NLS Customer: 102823
Phone: 855 994 9376

Project: Flambeau (4)

20140610-1A NLS ID: 795605
COC: 174085:1 Matrix: SW
Collected: 06/10/14 13:19 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					06/17/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					06/12/14	NA	721026460

20140610-2A NLS ID: 795606
COC: 174085:1 Matrix: SW
Collected: 06/10/14 13:19 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					06/17/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					06/12/14	NA	721026460

20140610-3A NLS ID: 795607
COC: 174085:1 Matrix: SW
Collected: 06/10/14 13:19 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					06/17/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					06/12/14	NA	721026460

20140610-4A NLS ID: 795608
COC: 174085:1 Matrix: SW
Collected: 06/10/14 13:19 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					06/17/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					06/12/14	NA	721026460

20140610-1B NLS ID: 795609
COC: 174085:2 Matrix: SW
Collected: 06/10/14 13:20 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	130	C.P.U.	5	25*		06/12/14	SM 2120-B 20ed	721026460
Lab filtration	yes					06/12/14	NA	721026460

20140610-2B NLS ID: 795610
COC: 174085:2 Matrix: SW
Collected: 06/10/14 13:20 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	130	C.P.U.	5	25*		06/12/14	SM 2120-B 20ed	721026460
Lab filtration	yes					06/12/14	NA	721026460

20140610-3B NLS ID: 795611
COC: 174085:2 Matrix: SW
Collected: 06/10/14 13:20 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	130	C.P.U.	5	25*		06/12/14	SM 2120-B 20ed	721026460
Lab filtration	yes					06/12/14	NA	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 220578
NLS Customer: 102823
Phone: 855 994 9376

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

Project: Flambeau (4)

20140610-4B NLS ID: 795612
COC: 174085:2 Matrix: SW
Collected: 06/10/14 13:20 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	150	C.P.U.	5	25*		06/12/14	SM 2120-B 20ed	721026460
Lab filtration	yes					06/12/14	NA	721026460

20140610-1C NLS ID: 795613
COC: 174085:3 Matrix: SW
Collected: 06/10/14 13:22 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.024	mg/L	1	0.0070*		06/12/14	SM 4500P-E 20ed	721026460

20140610-2C NLS ID: 795614
COC: 174085:3 Matrix: SW
Collected: 06/10/14 13:22 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.025	mg/L	1	0.0070*		06/12/14	SM 4500P-E 20ed	721026460

20140610-3C NLS ID: 795615
COC: 174085:3 Matrix: SW
Collected: 06/10/14 13:22 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.030	mg/L	1	0.0070*		06/12/14	SM 4500P-E 20ed	721026460

20140610-4C NLS ID: 795616
COC: 174085:3 Matrix: SW
Collected: 06/10/14 13:22 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.031	mg/L	1	0.0070*		06/12/14	SM 4500P-E 20ed	721026460

20140610-2D NLS ID: 795618
COC: 174085:4 Matrix: SW
Collected: 06/10/14 13:25 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.027	mg/L	1	0.0070*		06/12/14	SM 4500P-E 20ed	721026460

20140610-3D NLS ID: 795619
COC: 174085:4 Matrix: SW
Collected: 06/10/14 13:25 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.031	mg/L	1	0.0070*		06/12/14	SM 4500P-E 20ed	721026460

20140610-4D NLS ID: 795620
COC: 174085:4 Matrix: SW
Collected: 06/10/14 13:25 Received: 06/11/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.029	mg/L	1	0.0070*		06/12/14	SM 4500P-E 20ed	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 220578
NLS Customer: 102823
Phone: 855 994 9376

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

Project: Flambeau (4)

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by: Thomas A Rule

Authorized by:
R. T. Krueger
President

Northern Lake Service, Inc.
Chlorophyll Results

Customer: Renewable World Energies
Project: 220578
Flambeau (4)

Sample	Description	CC a	Pheo a	TC a	TC b	TC c
795605	20140610-1A	1.9	0.0*	1.9	0.14	0.16
795606	20140610-2A	0.83	0.43	1.1	0.064	0.11
795607	20140610-3A	1.2	0.2	1.4	0.032	0.024
795608	20140610-4A	0.0*	4.1	0.047	0.82	0.38

CC a = Corrected Chlorophyll a
Pheo a = Pheophytin a
TC a = Trichromatic Chlorophyll a
TC b = Trichromatic Chlorophyll b
TC c = Trichromatic Chlorophyll c
Units = ug/L for Water, ug/cm_2 for periphyton samplers

*: The complex calculations used to differentiate the various chlorophyll species magnify error at low concentrations and sometimes produce negative values, which are reported as 0.0 on this report.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WIDATCP 105-000330

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 174085

CLIENT: RENEWABLE WORLD ENERGIES LLC
ADDRESS: 100 S STATE STREET
CITY: NESHKORO STATE: WI ZIP: 54960
PROJECT DESCRIPTION / NO.: FLAMBEAU (4)
QUOTATION NO.:
DNR FID #:
DNR LICENSE #:
CONTACT: GARY
PHONE: 855-994-9376
PURCHASE ORDER NO.: VERBAL
FAX: 920-293-4100

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS Lab No.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	CHLOROPHYLL A	TRUE COLOR	PHOS	PHOS	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	795605	20140610-1A-4A	6/10/14	7:35-1:19	RIVER WATER	X				
2.		20140610-1B-4B	6/10/14	7:36-1:20	"		X			
3.		20140610-1C-4C	6/10/14	7:37-1:22	"			X		
4.	795620	20140610-1D-4D	6/10/14	9:35-1:25	"				X	
5.										
6.										
7.										
8.										
9.										
10.										

COLLECTED BY (signature): [signature]
CUSTODY SEAL NO. (IF ANY):
DATE/TIME: 7:35-1:25

RELINQUISHED BY (signature):
RECEIVED BY (signature):
DATE/TIME:

DISPATCHED BY (signature): [signature]
METHOD OF TRANSPORT: UPS
DATE/TIME: 6/10/14 3:00PM

RECEIVED AT NLS BY (signature): [signature]
DATE/TIME: 6-11-14 10:15
CONDITION: OK ICE
TEMP.:

COOLER #:
REMARKS & OTHER INFORMATION:
WDNR FACILITY NUMBER:
E-MAIL ADDRESS:

REPORT TO: SAME AS ABOVE ATTN: GARY

INVOICE TO: RENEWABLE WORLD OPERATIONS, 1001 STEPHENSON STREET NORWAY MI 49870

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

Appendix B

July 14, 2014 Sampling Documents

IMPOUNDMENT SAMPLING LOG

2014 Water Quality Study - Flambeau Upper Hydroelectric Project - FERC #2640

HWL - 1486.72 Date: 7/14/14

Pre-Sampling Data: TWL - 1467.4 CFS - 1055

Time: 7:30 Barometer: 29.84 Air Temp: 13.9 °C Wind Speed: W3MPH

Sky Conditions: CLOUDY, MISTING, OVERCAST

Precipitation within Last 24 Hours: NO - CURRENTLY MISTING

D.O. Meter Calibration: Instrument Model Used: Hach HQ40d

Were The Batterys Changed? □ Yes X No If Yes, When Changed: _____

Battery Status: 70% Charge

Calibration Time: FEB. 2014 Method: Factory

Sampling Depth Profile: Measured Depth to Bottom of the Impoundment: 18.5 Feet

Secchi Disk Depth: (E0.1 Foot) 3.5 Feet Time: 7:35

Chlorophyll a (3 Feet Below Surface)

Lab Sample I.D.# : 07142014 1A		
Time	Quantity (ml)	Filtered
7:46	1000	NO

True Color (3 Feet Below Surface)

Lab Sample I.D.# : 07142014 1B	
Time	Quantity (ml)
7:41	250

D.O. Sample Data

Depth	Time	D.O. (mg/l)	°C
.5 Ft Below Surface	7:45	7.22	21.3
3 Feet	7:46	7.24	21.2
6 Feet	7:47	7.26	21.2
9 Feet	7:48	7.28	21.2
12 Feet	7:49	7.30	21.1
15 Feet	7:15	7.35	21.1
18 Feet	7:16	7.19	21.0
21 Feet			
24 Feet			
.5 Ft Above Bottom	7:17	7.19	21.0

Phosphorus

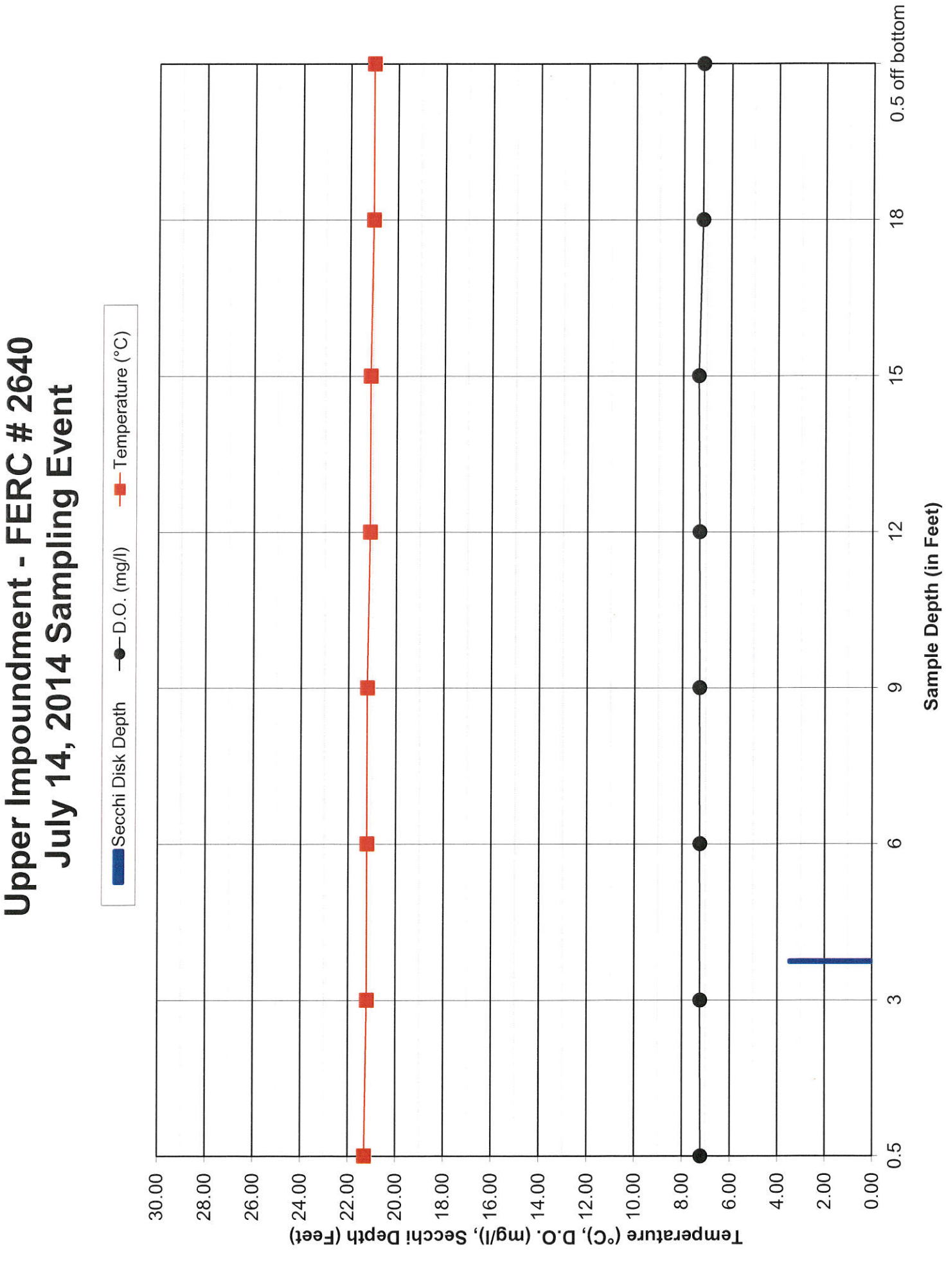
Lab Sample I.D.# : 07142014 1C (3 Feet Below Surface)	
Time	Preserved?
7:42	H2SO4

Lab Sample I.D.# : (3 Feet Above Bottom)	
Time	Preserved?

Sample Location: N45° 56.609' W90° 26.299'

Comments:

Performed By: Gary Rast


Upper Impoundment - FERC # 2640
July 14, 2014 Sampling Event
Secchi Disk Depth
D.O. (mg/l)
Temperature (°C)
Temperature (°C), D.O. (mg/l), Secchi Depth (Feet)
30.00
28.00
26.00
24.00
22.00
20.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Sample Depth (in Feet)
0.5
3
6
9
12
15
18
0.5 off bottom

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 222726
NLS Customer: 102823
Phone: 855 994 9376

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

Project: FLAM (4)

07142014 1A NLS ID: 802602
COC: 154999:1 Matrix: SW
Collected: 07/14/14 13:12 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					07/21/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					07/15/14	NA	721026460

07142014 2A NLS ID: 802603
COC: 154999:1 Matrix: SW
Collected: 07/14/14 13:12 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					07/21/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					07/15/14	NA	721026460

07142014 3A NLS ID: 802604
COC: 154999:1 Matrix: SW
Collected: 07/14/14 13:12 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					07/21/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					07/15/14	NA	721026460

07142014 4A NLS ID: 802605
COC: 154999:1 Matrix: SW
Collected: 07/14/14 13:12 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					07/21/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					07/15/14	NA	721026460

07142014 1B NLS ID: 802606
COC: 154999:2 Matrix: SW
Collected: 07/14/14 13:14 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	100	C.P.U.	5	25*		07/15/14	SM 2120-B 20ed	721026460
Lab filtration	yes					07/15/14	NA	721026460

07142014 2B NLS ID: 802607
COC: 154999:2 Matrix: SW
Collected: 07/14/14 13:14 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	100	C.P.U.	5	25*		07/15/14	SM 2120-B 20ed	721026460
Lab filtration	yes					07/15/14	NA	721026460

07142014 3B NLS ID: 802608
COC: 154999:2 Matrix: SW
Collected: 07/14/14 13:14 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	130	C.P.U.	5	25*		07/15/14	SM 2120-B 20ed	721026460
Lab filtration	yes					07/15/14	NA	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

NLS Project: 222726
NLS Customer: 102823
Phone: 855 994 9376

Project: FLAM (4)

07142014 4B NLS ID: 802609
COC: 154999:2 Matrix: SW
Collected: 07/14/14 13:14 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	130	C.P.U.	5	25*		07/15/14	SM 2120-B 20ed	721026460
Lab filtration	yes					07/15/14	NA	721026460

07142014 1C NLS ID: 802610
COC: 154999:3 Matrix: SW
Collected: 07/14/14 13:15 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.035	mg/L	1	0.0070*		07/17/14	SM 4500P-E 20ed	721026460

07142014 2C NLS ID: 802611
COC: 154999:3 Matrix: SW
Collected: 07/14/14 13:15 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.037	mg/L	1	0.0070*		07/17/14	SM 4500P-E 20ed	721026460

07142014 3C NLS ID: 802612
COC: 154999:3 Matrix: SW
Collected: 07/14/14 13:15 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.047	mg/L	1	0.0070*		07/17/14	SM 4500P-E 20ed	721026460

07142014 4C NLS ID: 802613
COC: 154999:3 Matrix: SW
Collected: 07/14/14 13:15 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.046	mg/L	1	0.0070*		07/17/14	SM 4500P-E 20ed	721026460

07142014 2D NLS ID: 802614
COC: 154999:4 Matrix: SW
Collected: 07/14/14 13:17 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.038	mg/L	1	0.0070*		07/17/14	SM 4500P-E 20ed	721026460

07142014 3D NLS ID: 802615
COC: 154999:4 Matrix: SW
Collected: 07/14/14 13:17 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.050	mg/L	1	0.0070*		07/17/14	SM 4500P-E 20ed	721026460

07142014 4D NLS ID: 802616
COC: 154999:4 Matrix: SW
Collected: 07/14/14 13:17 Received: 07/15/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.044	mg/L	1	0.0070*		07/17/14	SM 4500P-E 20ed	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

NLS Project: 222726
NLS Customer: 102823
Phone: 855 994 9376

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

Project: FLAM (4)

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:

Authorized by:
R. T. Krueger
President

Northern Lake Service, Inc.
Chlorophyll Results

Customer: Renewable World Energies
Project: 222726
FLAM (4)

Sample	Description	CC a	Pheo a	TC a	TC b	TC c
802602	07142014 1A	2.8	0.56	3.2	0.08	0.35
802603	07142014 2A	2.5	0.71	3	0.062	0.24
802604	07142014 3A	4.5	1.1	5.4	0.083	0.51
802605	07142014 4A	4.5	0.95	5.3	0.15	0.57

CC a = Corrected Chlorophyll a
Pheo a = Pheophytin a
TC a = Trichromatic Chlorophyll a
TC b = Trichromatic Chlorophyll b
TC c = Trichromatic Chlorophyll c
Units = ug/L for Water, ug/cm_2 for periphyton samplers

*: The complex calculations used to differentiate the various chlorophyll species magnify error at low concentrations and sometimes produce negative values, which are reported as 0.0 on this report.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 154999

CLIENT	RENEWABLE WORLD ENERGIES
ADDRESS	PO BOX 264 100 S. STATE STREET
CITY	MESHKORO STATE WI ZIP 54960
PROJECT DESCRIPTION / NO.	FLAM (4) QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	GARY RAST PHONE 855-994-9376
PURCHASE ORDER NO.	VERBAL FAX 920-293-4100

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: CHLOROPHYLL A (TRUE COLOR)	PHOS	PHOS	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	82602-605	07142014 1A-4A	7/14/14	7:40-1:12	RIVER WATER	X			
2.	606-609	" 1B-4B	"	7:41-1:14	"		X		
3.	610-613	" 1C-4C	"	7:42-1:15	"			X	
4.	614-616	" 2D-4D	"	9:15-1:17	"			X	
5.									
6.									
7.									
8.									
9.									
10.									

COLLECTED BY (signature): Gary Rast — CUSTODY SEAL NO. (IF ANY) — DATE/TIME 7/14/14 7:40-1:17

RELINQUISHED BY (signature): Gary Rast — RECEIVED BY (signature) — DATE/TIME

DISPATCHED BY (signature): Gary Rast — METHOD OF TRANSPORT: UPS — DATE/TIME 7/14/14 3:00

REPORT TO: SAME AS ABOVE ATTN: GARY

RECEIVED AT NLS BY (signature): Debbie Welton — DATE/TIME 7-15-14 10:00 — CONDITION: ok — TEMP.

COOLER #

REMARKS & OTHER INFORMATION

WDNR FACILITY NUMBER — E-MAIL ADDRESS

INVOICE TO: RENEWABLE WORLD OPERATION 1001 STEPHENSON STREET, IRONWAY MICH 49870

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

Appendix C

August 12, 2014 Sampling Documents

IMPOUNDMENT SAMPLING LOG

2014 Water Quality Study - Flambeau Upper Hydroelectric Project - FERC #2640

HWL - 1486.60 Date: 8/12/14

Pre-Sampling Data: TWL - 1467.4 PROJECT FLOW - 737 CFS

Time: 7:30 Barometer: 30.00 Air Temp: 12.22 °C Wind Speed: N5MPH

Sky Conditions: SUNNY, PARTLY CLOUDY, & BREEZY

Precipitation within Last 24 Hours: YES

D.O. Meter Calibration: Instrument Model Used: Hach HQ40d

Were The Batterys Changed? ☐ Yes ☒ No If Yes, When Changed: _____

Battery Status: 50% Charge

Calibration Time: FEB. 2014 Method: Factory

Sampling Depth Profile: Measured Depth to Bottom of the Impoundment: 19.0 Feet

Secchi Disk Depth: (E0.1 Foot) 3.1 Feet Time: 7:35

Chlorophyll a (3 Feet Below Surface)

Lab Sample I.D.# : 20140812-1A

Time	Quantity (ml)	Filtered
7:37	1000	NO

True Color (3 Feet Below Surface)

Lab Sample I.D.# : 20140812-1C

Time	Quantity (ml)
7:39	250

D.O. Sample Data

Depth	Time	D.O. (mg/l)	°C
.5 Ft Below Surface	7:42	7.12	21.0
3 Feet	7:43	7.04	21.2
6 Feet	7:44	6.98	21.4
9 Feet	7:45	6.95	21.4
12 Feet	7:46	6.94	21.5
15 Feet	7:47	6.91	21.6
18 Feet	7:48	6.88	21.6
21 Feet			
24 Feet			
.5 Ft Above Bottom	7:49	6.88	21.6

Phosphorus

Lab Sample I.D.# : 20140812-1C

(3 Feet Below Surface)

Time	Preserved?
7:40	H2SO4

Lab Sample I.D.# :

(3 Feet Above Bottom)

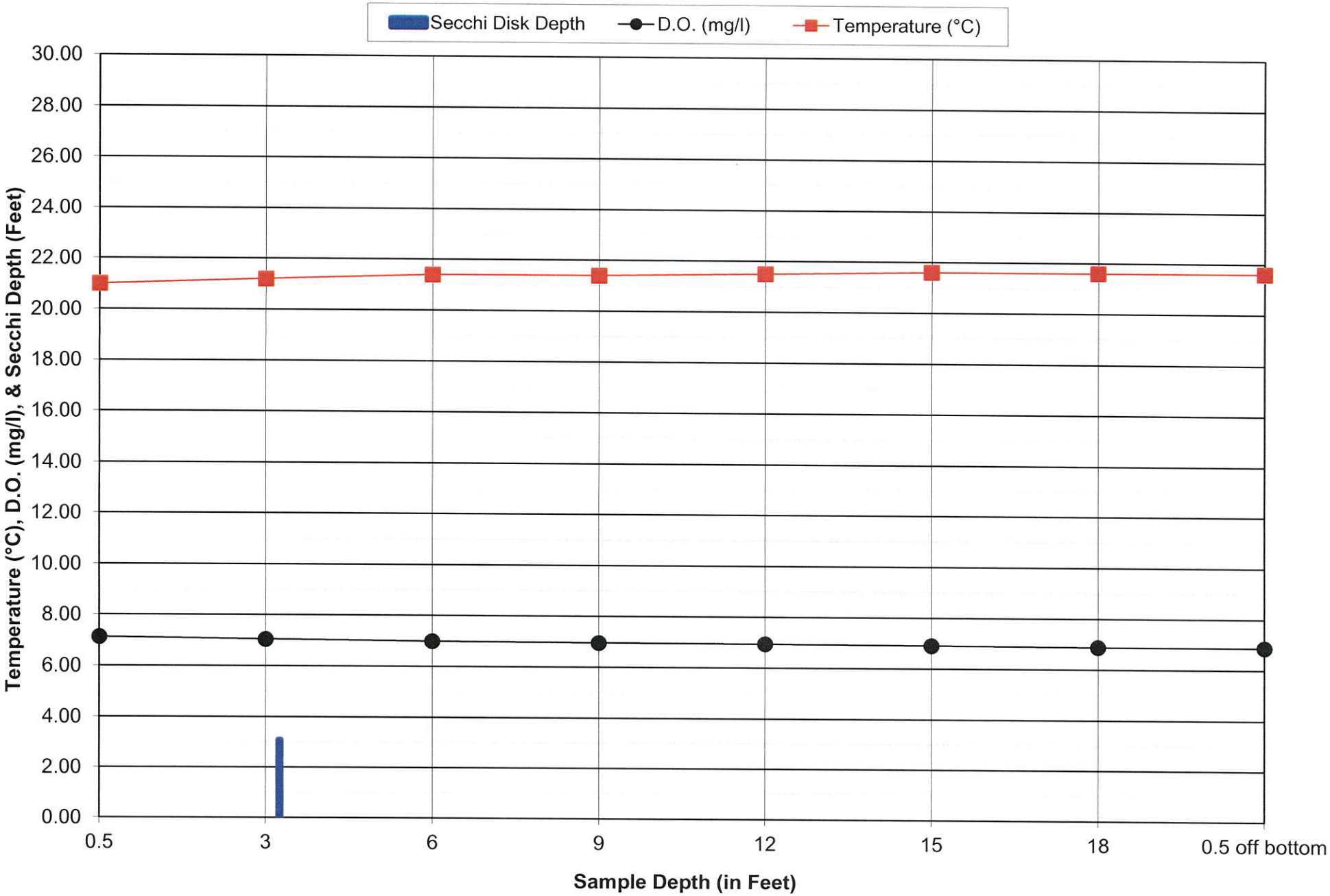
Time	Preserved?

Sample Location: N45° 56.609' W90° 26.299'

Comments:

Performed By: GARY RIST & BEN RICHARD

Upper Impoundment - FERC # 2640
August 12, 2014 Sampling Event



NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

NLS Project: 224853
NLS Customer: 102823
Phone: 855 994 9376

Project: Flambeau (4)

20140812 1-A NLS ID: 809771
COC: 160942:1 Matrix: SW
Collected: 08/12/14 13:35 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					08/14/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					08/13/14	NA	721026460

20140812 2-A NLS ID: 809772
COC: 160942:1 Matrix: SW
Collected: 08/12/14 13:35 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					08/14/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					08/13/14	NA	721026460

20140812 3-A NLS ID: 809773
COC: 160942:1 Matrix: SW
Collected: 08/12/14 13:35 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					08/14/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					08/13/14	NA	721026460

20140812 4-A NLS ID: 809774
COC: 160942:1 Matrix: SW
Collected: 08/12/14 13:35 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Chlorophyll, all species	see attached					08/14/14	10200-H	721026460
Lab filtration for Chlorophyll	yes					08/13/14	NA	721026460

20140812 1-B NLS ID: 809775
COC: 160942:2 Matrix: SW
Collected: 08/12/14 13:40 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	100	C.P.U.	5	25*		08/13/14	SM 2120-B 20ed	721026460
Lab filtration	yes					08/13/14	NA	721026460

20140812 2-B NLS ID: 809776
COC: 160942:2 Matrix: SW
Collected: 08/12/14 13:40 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	100	C.P.U.	5	25*		08/13/14	SM 2120-B 20ed	721026460
Lab filtration	yes					08/13/14	NA	721026460

20140812 3-B NLS ID: 809777
COC: 160942:2 Matrix: SW
Collected: 08/12/14 13:40 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	100	C.P.U.	5	25*		08/13/14	SM 2120-B 20ed	721026460
Lab filtration	yes					08/13/14	NA	721026460

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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

NLS Project: 224853
NLS Customer: 102823
Phone: 855 994 9376

Project: Flambeau (4)

20140812 4-B NLS ID: 809778
COC: 160942:2 Matrix: SW
Collected: 08/12/14 13:40 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Color, APHA (true)	100	C.P.U.	5	25*		08/13/14	SM 2120-B 20ed	721026460
Lab filtration	yes					08/13/14	NA	721026460

20140812 1-C NLS ID: 809779
COC: 160942:3 Matrix: SW
Collected: 08/12/14 13:42 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.024	mg/L	1	0.0070*		08/14/14	SM 4500P-E 20ed	721026460

20140812 2-C NLS ID: 809780
COC: 160942:3 Matrix: SW
Collected: 08/12/14 13:42 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.029	mg/L	1	0.0070*		08/14/14	SM 4500P-E 20ed	721026460

20140812 3-C NLS ID: 809781
COC: 160942:3 Matrix: SW
Collected: 08/12/14 13:42 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.037	mg/L	1	0.0070*		08/14/14	SM 4500P-E 20ed	721026460

20140812 4-C NLS ID: 809782
COC: 160942:3 Matrix: SW
Collected: 08/12/14 13:42 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.047	mg/L	1	0.0070*		08/14/14	SM 4500P-E 20ed	721026460

20140812 2-D NLS ID: 809783
COC: 160942:4 Matrix: SW
Collected: 08/12/14 13:45 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.033	mg/L	1	0.0070*		08/14/14	SM 4500P-E 20ed	721026460

20140812 3-D NLS ID: 809784
COC: 160942:4 Matrix: SW
Collected: 08/12/14 13:45 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.035	mg/L	1	0.0070*		08/14/14	SM 4500P-E 20ed	721026460

20140812 4-D NLS ID: 809785
COC: 160942:4 Matrix: SW
Collected: 08/12/14 13:45 Received: 08/13/14

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Phosphorus, tot. as P	0.051	mg/L	1	0.0070*		08/14/14	SM 4500P-E 20ed	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Client: Renewable World Energies
Attn: Gary Rast
100 State Street
P.O. Box 264
Neshkoro, WI 54960

NLS Project: 224853
NLS Customer: 102823
Phone: 855 994 9376

Project: Flambeau (4)

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected (< LOD) 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples. Shaded results indicate >MCL.

Reviewed by:

Authorized by:
R. T. Krueger
President

Northern Lake Service, Inc.
Chlorophyll Results

Customer: Renewable World Energies
Project: 224853
Flambeau (4)

Sample	Description	CC a	Pheo a	TC a	TC b	TC c
809771	20140812 1-A	5.2	0.26	5.6	0.0*	0.44
809772	20140812 2-A	5.1	0.3	5.5	0.0*	0.37
809773	20140812 3-A	5.7	0.53	6.2	0.0*	0.36
809774	20140812 4-A	6.2	0.74	6.9	0.00082	0.48

CC a = Corrected Chlorophyll a
Pheo a = Pheophytin a
TC a = Trichromatic Chlorophyll a
TC b = Trichromatic Chlorophyll b
TC c = Trichromatic Chlorophyll c
Units = ug/L for Water, ug/cm² for periphyton samplers

*: The complex calculations used to differentiate the various chlorophyll species magnify error at low concentrations and sometimes produce negative values, which are reported as 0.0 on this report.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI-DATCP 105-000330

NO. 160942

CLIENT: RENEWABLE WORLD ENERGIES LLC
ADDRESS: POBox 264 / 100 S. STATE STREET
CITY: NESHKORO STATE: WI ZIP: 54960
PROJECT DESCRIPTION / NO.: FLAMBEAU (4) QUOTATION NO.:
DNR FID #: DNR LICENSE #:
CONTACT: GARY PHONE: 855 994-9376
PURCHASE ORDER NO.: VERBAL FAX: 920-293-4100

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: Ohio RPPH	True Color	Pb05	Pb05	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	771-774	20140812-1,2,3,4-A	8/12/14	7:37-1:35	RIVER WATER	X				
2.	775-778	" 1,2,3,4B	8/12/14	7:38-1:40	"		X			
3.	779-782	" 1,2,3,4C	8/12/14	7:40-1:42	"			X		
4.	783-785	" 2,3,4D	8/12/14	9:45-1:45	"				X	
5.										
6.										
7.		* NO TEMP BLANK SENT OR ENCLOSED								
8.										
9.										
10.										

COLLECTED BY (signature): [signature] CUSTODY SEAL NO. (IF ANY): DATE/TIME: 8/12/14 7:37-1:45
RELINQUISHED BY (signature): RECEIVED BY (signature): DATE/TIME:
DISPATCHED BY (signature): [signature] METHOD OF TRANSPORT: UPS DATE/TIME: 8/12/14 3:15

RECEIVED AT NLS BY (signature): Debbie Wilson DATE/TIME: 8-13-14 10:00 CONDITION: ON ICE TEMP.
COOLER #
REMARKS & OTHER INFORMATION
WDNR FACILITY NUMBER E-MAIL ADDRESS

REPORT TO: SAME AS ABOVE ATTN: GARY

INVOICE TO: RENEWABLE WORLD OPERATIONS 1001 STEPHENSON STREET NORWAY, MI 49870

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

Appendix D

Agency Correspondence

Gary Rast

From: Gary Rast
Sent: Wednesday, October 29, 2014 8:30 AM
To: 'Laatsch, Cheryl - DNR'; Utrup, Nick
Cc: Aneta Rietveld
Subject: 4 Flam 2014 Draft WQ Reports Message 1
Attachments: 14-10-29 GGR Flam In Ag Comment Draft 14 WQ Rpts.pdf; 14-10-27 GGR FLUP Draft Report 2014 WQM Data.pdf

Cheryl & Nick,

Flambeau Upper

RWE is submitting the 4 Flambeau 2014 Draft WQ Reports for comment should you have any to offer. Because the files are large I will be sending 4 e-mail messages each with 1 project report and letter (October 29) attached. This message has Flambeau Upper attached. Submittal list is found below:

Message 1 – Flambeau Upper (Dated October 27)
Message 2 – Flambeau Lower (Dated October 27)
Message 3 – Flambeau Pixley (Dated October 28)
Message 4 – Flambeau Crowley (Dated October 29)

Gary

Gary Rast
Regulatory/Compliance Manager

Renewable World Energies

Renewable World Energies, LLC
100 S. State Street
P.O. Box 264
Neshkoro, WI 54960
Phone: 855-994-9376 Ext. 105
Fax: 920-293-4100
Cell: 920-570-0995
E-mail: grast@rwehydro.com

Renewable World Energies

COPY

October 29, 2014

Mr. Nick Utrup
U.S. Fish and Wildlife Service
WI/MN Ecological Services Field Office
4101 American Boulevard East
Bloomington, MN 55425

Ms. Cheryl Laatsch
Statewide FERC Coordinator
Wisconsin Dept. of Natural Resources
N7725 HWY 28
Horicon, WI 53032

Re: **Flambeau Hydroelectric Projects**
FERC Project Numbers-Upper FERC # 2640, Lower FERC # 2421,
Pixley FERC # 2395, Crowley FERC # 2473
Flambeau Hydro LLC
Draft Reports 2014 Water Quality Monitoring Data

Dear Agencies:

On behalf of Flambeau Hydro LLC ("Flambeau"), Licensee, Renewable World Energies, LLC is submitting a copy of its *Draft Report 2014 Water Quality Monitoring Data* for each of the Flambeau Projects. No problems were encountered with equipment, data, or the monitoring schedule in general. The report is a requirement of Flambeau's Federal license pursuant to article 406 and 408 and the approved Water Quality Monitoring Plans. The purpose of this letter is to formally invite you to comment on the draft reports. The Federal Energy Regulatory Commission's regulations allow for a 30 day formal review and comment period. Nothing out of the ordinary was experienced during the 2014 monitoring season except as noted in the reports. Thank you in advance for providing your responses in a timely manner so we can include your comments and recommendations, as appropriate, into our reports.

If you have any questions concerning the report, please contact Mr. Gary Rast at the Renewable World Energies, LLC offices @ 855-994-9376 ext. 105, or by email at; grast@rwehydro.com

Corporate Office
P.O. Box 264
100 S. State Street
Neshkoro, WI 54960
Fax: 920-293-4100

Phone: 855-99HYDRO
(855-994-9376)
www.renewableworldenergies.com

Administrative Office
1001 Stephenson Street
Norway, MI 49870
Fax: 906-563-9344

Renewable World Energies

Sincerely,
Renewable World Energies, LLC
Agent For Licensee

Mr. Jason Kreuscher
Vice President, Operations

Attachments: Draft Report 2014 Water Quality Monitoring Data Flambeau Upper Hydroelectric Project – October 27, 2014

Draft Report 2014 Water Quality Monitoring Data Flambeau Lower Hydroelectric Project – October 27, 2014

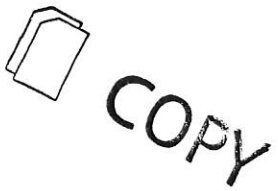
Draft Report 2014 Water Quality Monitoring Data Flambeau Pixley Hydroelectric Project – October 28, 2014

Draft Report 2014 Water Quality Monitoring Data Flambeau Crowley Hydroelectric Project – October 29, 2014

Cc: RWE, Corporate

Gary Rast

From: Gary Rast
Sent: Tuesday, May 27, 2014 8:58 AM
To: 'Laatsch, Cheryl - DNR'; Utrup, Nick
Subject: RE: water quality data collection



Everyone,

Just sending an update on water sample collections (Ice-Out) at Winter and Flambeau projects. Nothing collected to this point. Flows have come down quite a bit in the last two weeks. However, the boat barriers are not in at Winter, Flambeau Upper or Flambeau Lower. Two of the three sites have access just slightly above the dams and sample points near the dams at most a couple hundred feet (Winter & Flambeau Lower). I will not attempt any sampling unless they are installed. A side note is that the 4 Flambeau projects must be done in sequence and on the same day. Sampling is on hold until at least the week of June 2nd or June 9th if you still want it done. I need to schedule Turtle/Eagle/Erosion and KBB surveys from now on as well.

Gary

Gary Rast
Regulatory/Compliance Manager

Renewable World Energies

Renewable World Energies, LLC
100 S. State Street
P.O. Box 264
Neshkoro, WI 54960
Phone: 855-994-9376 Ext. 105
Fax: 920-293-4100
Cell: 920-570-0995
E-mail: grast@rwehydro.com

From: Laatsch, Cheryl - DNR [mailto:Cheryl.Laatsch@wisconsin.gov]
Sent: Tuesday, May 13, 2014 11:38 AM
To: Gary Rast
Subject: FW: water quality data collection

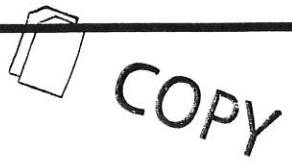
I have asked for clarification from Craig. Here is his response.

Thanks, Cheryl

From: Roesler, Craig P - DNR
Sent: Tuesday, May 13, 2014 11:12 AM
To: Laatsch, Cheryl - DNR; Hansen, James P - DNR
Cc: Aartila, Tom P - DNR
Subject: RE: water quality data collection

I would have them collect the samples as soon as conditions become safe. If it isn't possible in May, try for early June.

Gary Rast



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Cc: Aartila, Tom P - DNR
Subject: RE: water quality data collection

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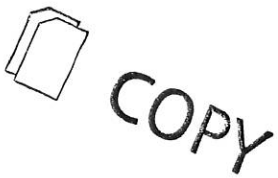
Gary Rast

From: Gary Rast
Sent: Tuesday, May 13, 2014 9:52 AM
To: 'Laatsch, Cheryl - DNR'
Cc: 'Jason Kreuscher'; Cindy Skowronski; Aneta Rietveld
Subject: RE: water quality data collection



Cheryl,

Thanks for the response. However, last year a similar situation occurred at the Flambeau projects and we abandoned the sampling with agency consult. Why the inconsistency from year to year? Below is exact content of an e-mail sent to the agencies on May 22, 2013 addressing same type of issue and agencies agreed. Just asking where is the difference. **FYI – As of this morning ,the flows at the Winter project are now 3,000 CFS as opposed to 2,000 CFS last week and the flows at the (4) Flambeau projects are at 6,500 CFS as opposed to 3,500 - 4,000 CFS last week.** We can try to check back together but next week is the last full week of May because Memorial Day is the following Monday. Gary

Everyone,

About 1to 1.5 weeks ago I notified you that because of water conditions and no boat barriers being installed at the Flambeau projects the Ice-Out WQ monitoring would or could not be performed during the 2 week time period following Ice-Out. On Monday 5/20 I was notified that the barriers were installed and river conditions were approaching more normal conditions. Because weather looked favorable for Thursday 5/23 I made plans for that day. I was not aware that the area had received so much rain in the past couple of days and that runoff from surrounding areas were contributing so much. River conditions today 5/22 are horrible to say the least, about 1000 CFS more than when you were originally notified. I believe they are slightly one side or the other of 4000 CFS. I have been informed that another 500 CFS is to be released from the flowage later today, so conditions will worsen. I spoke to Jeff less than an hour ago and discussed doing some sort of modified monitoring while I am here. We agreed that was not a good thing because comparison to other years Ice-Out results would be very hard to make and the effort would not be worth much. Jeff and I agreed to skip the Ice-Out sampling all together because the effort would not yield good results and the safety concerns involving the monitoring. RWE asks for your understanding and agreement. Thanks

Gary

Gary Rast
Regulatory/Compliance Manager

Renewable World Energies

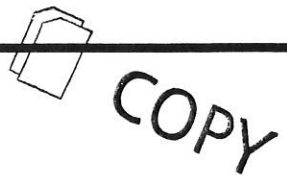
Renewable World Energies, LLC
100 S. State Street
P.O. Box 264
Neshkoro, WI 54960
Phone: 855-994-9376 Ext. 105
Fax: 920-293-4100
Cell: 920-570-0995
E-mail: grast@rwehydro.com

From: Laatsch, Cheryl - DNR [mailto:Cheryl.Laatsch@wisconsin.gov]
Sent: Tuesday, May 13, 2014 8:28 AM
To: Gary Rast
Subject: water quality data collection

Staff agree that the sampling should be postponed. They have requested that you try to collect samples before the end of May. Lets check back with each other at the end of May to see how things are going. Thanks

Cheryl Laatsch
Statewide FERC Coordinator
Wisconsin Dept of Natural Resources
N7725 Hwy 28
Horicon WI 53032
(T) 920-387-7869 (Fax) 920-387-7888
Cheryl.laatsch@wisconsin.gov

Gary Rast

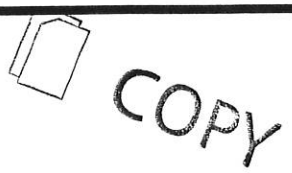


From: Laatsch, Cheryl - DNR <Cheryl.Laatsch@wisconsin.gov>
Sent: Tuesday, May 13, 2014 8:28 AM
To: Gary Rast
Subject: water quality data collection

Staff agree that the sampling should be postponed. They have requested that you try to collect samples before the end of May. Lets check back with each other at the end of May to see how things are going. Thanks

Cheryl Laatsch
Statewide FERC Coordinator
Wisconsin Dept of Natural Resources
N7725 Hwy 28
Horicon WI 53032
(T) 920-387-7869 (Fax) 920-387-7888
Cheryl.laatsch@wisconsin.gov

Gary Rast



From: Reinecke, Sue -FS <sreinecke@fs.fed.us>
Sent: Thursday, May 08, 2014 12:00 PM
To: Gary Rast
Cc: Higgins, Dale -FS
Subject: RE: Winter Ice Out WQ

Hi Gary, FS concurs with your decision to not sample for safety reason due to high flows.

thanks
sue

****

Sue Reinecke,Forest Fisheries Biologist
Chequamegon-Nicolet NF
1170 4th Ave South
Park Falls, WI 54552
715-762-5185
sreinecke@fs.fed.us
****

From: Gary Rast [mailto:grast@rwehydro.com]
Sent: Thursday, May 08, 2014 10:42 AM
To: Laatsch, Cheryl - DNR; Utrup, Nick; Higgins, Dale -FS; Reinecke, Sue -FS
Cc: Jason Kreuscher; Cindy Skowronski; Aneta Rietveld; David Anderson
Subject: Winter Ice Out WQ

Everyone,

I traveled up to the Winter Hydro this week to perform the Ice Out WQ sampling. The photos were taken May 7, 2014. The 1st photo shows the discharge (2004) CFS and 2nd photo is looking upstream from the dam. As you can see it is wild and no buoys are installed yet because of dangerous conditions. Sample site is just upstream of the buoys and just to the right of the large evergreen on left side of photo. The power canal is not shown but is on left side of the photo. According to WQ plan, the sampling can be done within 3 weeks of Ice Out. This week was the 2nd week since Ice Out. We do not expect conditions to improve in the near future which would put the Ice Out sampling outside of the 3 week window. **The licensee proposes to abandon the Ice Out sampling for 2014 because of these conditions and asks for your agreement.** If you require sampling to be performed, we can do it outside the timeframe when conditions improve but not until then. As a side note sampling was accomplished at the Clam River and Danbury projects this week. Please respond as soon as possible.

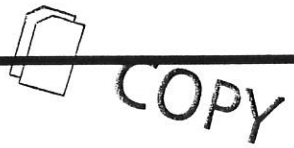
Gary

Gary Rast
Regulatory/Compliance Manager

Renewable World Energies

Renewable World Energies, LLC

Gary Rast



From: Gary Rast
Sent: Thursday, May 08, 2014 10:42 AM
To: 'Laatsch, Cheryl - DNR'; Utrup, Nick; Higgins, Dale -FS (dhiggins@fs.fed.us); 'Reinecke, Sue -FS'
Cc: 'Jason Kreuscher'; Cindy Skowronski; Aneta Rietveld; David Anderson
Subject: Winter Ice Out WQ
Attachments: WNTR Discharge May 7 (1).JPG; WNTR Upstream May 7.JPG

Everyone,

I traveled up to the Winter Hydro this week to perform the Ice Out WQ sampling. The photos were taken May 7, 2014. The 1st photo shows the discharge (2004) CFS and 2nd photo is looking upstream from the dam. As you can see it is wild and no buoys are installed yet because of dangerous conditions. Sample site is just upstream of the buoys and just to the right of the large evergreen on left side of photo. The power canal is not shown but is on left side of the photo. According to WQ plan, the sampling can be done within 3 weeks of Ice Out. This week was the 2nd week since Ice Out. We do not expect conditions to improve in the near future which would put the Ice Out sampling outside of the 3 week window. **The licensee proposes to abandon the Ice Out sampling for 2014 because of these conditions and asks for your agreement.** If you require sampling to be performed, we can do it outside the timeframe when conditions improve but not until then. As a side note sampling was accomplished at the Clam River and Danbury projects this week. Please respond as soon as possible.

Gary

Gary Rast
Regulatory/Compliance Manager

Renewable World Energies

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