

November 8, 2012

**we energies**



800 Industrial Park Drive  
Iron Mountain, MI 49801  
Tel 906.779.2400  
www.we-energies.com

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

Dear Ms. Bose:

**RE: PINE HYDROELECTRIC PROJECT (FERC NO. 2486)  
ARTICLE 418 – WATER QUALITY – LICENSE AMENDMENT REQUEST**

Wisconsin Electric Power Company, doing business as We Energies, is hereby requesting to amend Article 418 for the Pine Hydroelectric Project, FERC No. 2486. Article 418 outlines the Water Quality Monitoring Plan (Plan) for this project.

Water quality for the project has been monitored per the Plan for over 15 years and no water quality issues have been found. In the interest of reducing workload and freeing up Licensee and Agency time to focus on other more critical ongoing license implementation tasks, We Energies is requesting amendment of Article 418 to discontinue all continuous water quality monitoring at the Pine project. This topic had been discussed at a variety of license implementation meetings over the past 2 years. A formal request was sent to the Wisconsin DNR and U.S. Fish & Wildlife Service via email on January 9<sup>th</sup>, 2012 and both concurred with the request by January 26<sup>th</sup>, 2012 (see attached). The request was again discussed and all agreed to discontinue water quality monitoring during a meeting at We Energies on June 27<sup>th</sup>, 2012. This agreement is documented via the attached "Consultation Completion Form". This form was developed to more succinctly capture agreement resulting from consultation. Note that MDNR's signature was collected to demonstrate consultation with them though it was not explicitly required by Article 418.

In the email approval, and again during the June 27<sup>th</sup>, 2012, consultation meeting, WDNR requested that when the project is relicensed, or if significant changes in operation at the plant were to occur, the existing water quality plan would be revisited and revised as needed to deal with these events. Until that time water quality monitoring could be discontinued. All agreed this was reasonable.

Please call me at (906) 779-4099, if you have questions on this request.

Sincerely,

A handwritten signature in blue ink that reads "Todd Jastremski".

Todd Jastremski, Manager  
Hydroelectric Operations Division

Enclosures

Ms. Kimberly Bose  
November 8, 2012  
Page 2

cc: Mr. Michael Donofrio – WDNR  
Ms. Cheryl Laatsch – WDNR  
Mr. Kyle Kruger – MDNR  
Mr. Nicholas Utrup – USFWS

## Consultation Completion Form

To be filed with requests for FERC license amendments. Signature on form represents concurrence with issue proposed for amendment and the corresponding amendment of the applicable sections of the Wilderness Shores Settlement Agreement.

FERC Project No. : 2486 Date: 6-27-2012

FERC Project Name: PINE

FERC License Article for Proposed Amendment: 418

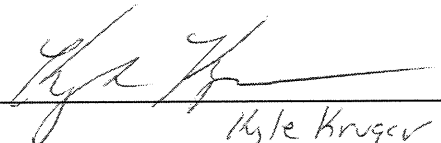
Consultation Issue: DISCONTINUE WATER QUALITY MONITORING

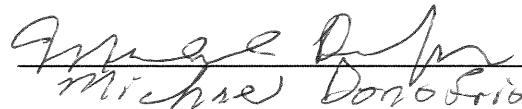
Consultation required with (check those that apply):

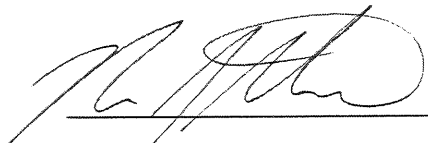
X = Consultation required per license article

√ = Consultation desirable / supplemental

X	MDNR	X	WDNR
X	USFWS		NPS
	MHRC		RAW
	MDEQ	X	WEPCO

  
 \_\_\_\_\_  
 Kyle Kruger  
 Michigan Department of Natural Resources

  
 \_\_\_\_\_  
 Michael Donobio  
 Wisconsin Department of Natural Resources


  
 \_\_\_\_\_  
 U.S. Fish & Wildlife Service Nicholas J. Utrup

\_\_\_\_\_  
 National Park Service

\_\_\_\_\_  
 Michigan Hydro Relicensing Coalition

\_\_\_\_\_  
 River Alliance of Wisconsin

\_\_\_\_\_  
 Michigan Department of Environmental Quality

  
 \_\_\_\_\_  
 Wisconsin Electric Power Co. dba We Energies  
 Todd JASTREMSKI

## Jastremski.Todd

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**From:** Laatsch, Cheryl - DNR <Cheryl.Laatsch@Wisconsin.gov>  
**Sent:** Thursday, January 26, 2012 9:02 AM  
**To:** Jastremski.Todd  
**Cc:** Donofrio, Michael C - DNR; Hayen, R  
**Subject:** FW: Pine Hydroelectric Project FERC No. 2486 - Request for Amendment to License Article 418 4  
**Attachments:** PIN.II.F.1.3.pdf; PIN.II.F.1.4.pdf; PIN.II.F.1.5.pdf; PIN.II.F.1.6.pdf; PIN.II.F.1.7.pdf; PIN.II.F.1.8.pdf; PIN.II.F.1.9.pdf; PIN.II.F.1.10.pdf; Pine Data for 1997 2002 2007.xlsm

WDNR is satisfied that WE Energies is meeting water quality standards for WI. However, whenever a project is re-licensed or changes operations of a plant then regular water quality monitoring should occur until WDNR is satisfied with the data.

Cheryl Laatsch, Water Mgt Specialist,  
WDNR, Office of Energy, GEF2, 7th Floor  
101 S Webster St Madison WI 53707-7921  
Madison office phone: (608) 264-8943

OR

Cheryl Laatsch, Horicon DNR  
N7725 HIGHWAY 28  
HORICON WI 53032  
(920) 387-7869  
(920) 485-3028 (Fax)

e-mail: Cheryl.laatsch@wisconsin.gov  
Website: [dnr.wi.gov](http://dnr.wi.gov)  
[www.facebook.com/WIDNR](http://www.facebook.com/WIDNR)

-----Original Message-----

From: Donofrio, Michael C - DNR  
Sent: Monday, January 23, 2012 04:29 PM  
To: Laatsch, Cheryl - DNR  
Subject: FW: Pine Hydroelectric Project FERC No. 2486 - Request for Amendment to License Article 418

FYI, FWS approved the changes but I did not want to speak for Florence county staff...

-----Original Message-----

From: Nick\_Utrup@fws.gov [mailto:Nick\_Utrup@fws.gov]  
Sent: Monday, January 23, 2012 04:07 PM  
To: Jastremski.Todd  
Cc: Gunville.Kristi; Donofrio, Michael C - DNR  
Subject: Re: Pine Hydroelectric Project FERC No. 2486 - Request for Amendment to License Article 418

Todd,

As it pertains to water quality monitoring at the Pine project. The USFWS concurs with your proposal. This would greatly simplify license compliance requirements and reduce overall workload.

Nick

Nicholas J. Utrup  
Hydropower Coordinator  
U.S. Fish and Wildlife Service  
Green Bay Ecological Services Field Office  
2661 Scott Tower Drive  
New Franken, WI 54229

Office: (920) 866-1736  
Cell: (920) 530-9937  
FAX: (920) 866-1710  
Email: Nick\_Utrup@fws.gov

Jastremski.Todd  
<todd.jastremski@we-energies.com>  
To  
"Donofrio, Michael C - DNR"  
01/09/2012 07:50 AM <Michael.Donofrio@wisconsin.gov>  
"Nick\_Utrup@fws.gov"  
<Nick\_Utrup@fws.gov>  
cc  
Gunville.Kristi  
<kristi.gunville@we-energies.com>  
Subject  
Pine Hydroelectric Project FERC No.  
2486 - Request for Amendment to  
License Article 418

We Energies is requesting the modification of Article 418 of our FERC license, which covers our Water Quality Monitoring Plan, to discontinue all continuous monitoring at the Pine project. This was discussed during the roundtable at our 7-28-2011 MEF meeting and WDNR and USFWS were open to considering it at that time.

Justification for this request is as follows:

- 1) The intent of the testing was to show that water quality

would not be affected at the Pine project as it moved from a peaking operation to a run-of-river operation. The project has been successfully operated as run-of-river for over 15 years and has not caused any water quality issues during that time.

2) Significant data was collected in 1997, 2002, & 2007 and shows perfect compliance to the DO, pH, and temperature standards set for water quality.

3) The FERC has been strongly encouraging licensees to simplify the conditions on mature licenses. This testing was put in place to measure impacts of changes in how the project is operated. Enough data has been collected to show that the project has no undesirable water quality impacts with respect to the data collected in the original plan.

4) Reduce workload and allow all parties to focus on the issues that are more important for each project at this stage in the life of the license.

To support this request and to provide easy access to the background information I have attached the following:

- 1) We Energies final water quality monitoring plan (doc .3)
- 2) FERC's approval of the plan (doc .4)
- 3) We Energies submittal of continuous monitoring testing data for 1997, 2002, & 2007 (docs .5, .7, .9)
- 4) FERC's acceptance of the test data for 1997, 2002, & 2007 (docs .6, .8, .10)
- 5) A spreadsheet that summarizes the data collected in 1997, 2002, & 2007.

Please review and indicate your concurrence with my request by January 27th , 2012.

If it is determined that the plan must continue as written we need to begin vertical profile measurements in the impoundment in February.

Please call or email anytime with questions or concerns.

Sincerely,

Todd Jastremski  
Manager - Hydroelectric Operations  
We Energies  
800 Industrial Park Drive  
Iron Mountain, MI 49801  
Phone: (906) 779-4099  
Fax: (906) 779-2488  
email: todd.jastremski@we-energies.com

Kristi - Please CIMS file as "PIN.II.F.1.11 WA - Request to Agencies for Article 418 amendment". Only the spreadsheet needs to be .pdf'd and attached to the CIMS filing.(See attached file:

PIN.II.F.1.3.pdf)(See attached file: PIN.II.F.1.4.pdf)(See attached file: PIN.II.F.1.5.pdf)(See attached file: PIN.II.F.1.6.pdf)(See attached file: PIN.II.F.1.7.pdf)(See attached file: PIN.II.F.1.8.pdf)(See attached file: PIN.II.F.1.9.pdf)(See attached file: PIN.II.F.1.10.pdf)(See attached file:

Pine Data for 1997 2002 2007.xlsm)

**Gunville.Kristi**

**From:** Jastremski.Todd  
**Sent:** Monday, January 09, 2012 7:50 AM  
**To:** Donofrio, Michael C - DNR; Nick\_Utrup@fws.gov  
**Cc:** Gunville.Kristi  
**Subject:** Pine Hydroelectric Project FERC No. 2486 - Request for Amendment to License Article 418  
**Attachments:** PIN.II.F.1.3.pdf; PIN.II.F.1.4.pdf; PIN.II.F.1.5.pdf; PIN.II.F.1.6.pdf; PIN.II.F.1.7.pdf; PIN.II.F.1.8.pdf; PIN.II.F.1.9.pdf; PIN.II.F.1.10.pdf; Pine Data for 1997 2002 2007.xlsm  
**Importance:** High

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**Please review and indicate your concurrence with my request by January 27<sup>th</sup>, 2012.**

If it is determined that the plan must continue as written we need to begin vertical profile measurements in the impoundment in February.

Please call or email anytime with questions or concerns.

Sincerely,

**Todd Jastremski**  
 Manager - Hydroelectric Operations  
 We Energies  
 800 Industrial Park Drive  
 Iron Mountain, MI 49801  
 Phone: (906) 779-4099



Fax: (906) 779-2488

email: [todd.jastremski@we-energies.com](mailto:todd.jastremski@we-energies.com)

Kristi – Please CIMS file as “PIN.II.F.1.11 WA – Request to Agencies for Article 418 amendment”. Only the spreadsheet needs to be .pdf’d and attached to the CIMS filing.

## Pine Tailrace Station 1997 2002 2007 Hydro Data Summary

### PINE 1997 DATA

Month	N	Temperature (Degrees C)			Dissolved Oxygen (PPM)			Dissolved Oxygen (% Saturation)			pH (Standard Units)	
		Mean	MAX	MIN	Mean	MAX	MIN	Mean	MAX	MIN	MAX	MIN
May	723	10.5	15.5	5.4	10.4	12.4	8.4	96	103	86	8.1	7.4
Jun	719	19.5	24.8	15.2	7.9	9.2	6.8	88	97	76	8.4	7.7
Jul	739	21.2	25.3	16.5	7.3	8.6	6.2	84	95	72	8.4	7.6
Aug	744	19.1	24.1	15.1	7.5	9.2	6.4	82	95	71	8.2	7.7
Sep	720	15.6	18.3	13.2	9.3	10.0	8.3	95	99	83	8.2	7.7
Oct	744	8.7	15.6	1.8	10.5	12.9	8.1	90	98	78	8.2	7.6

### PINE 2002 DATA

Month	N	Temperature (Degrees C)			Dissolved Oxygen (PPM)			Dissolved Oxygen (% Saturation)			pH (Standard Units)		
		Mean	MAX	MIN	Mean	MAX	MIN	Mean	MAX	MIN	Date	Time	pH
May	744	10.7	20.3	6.0	10.5	11.9	8.2	94	103	84	4/29/02	1745	7.6
Jun	720	18.9	25.2	13.9	8.1	9.2	6.6	88	95	78	5/14/02	1605	7.7
Jul	744	24.1	27.9	21.3	6.9	7.5	5.9	83	92	71	5/22/02	1430	7.8
Aug	744	21.1	24.6	18.5	7.0	8.2	5.6	79	88	63	6/12/02	1350	7.9
Sep	720	17.2	22.7	10.5	7.8	9.7	5.6	80	87	59	6/27/02	955	7.6
Oct	744	6.8	14.2	1.9	10.9	12.7	8.8	89	93	85	7/10/02	1345	7.9
											7/24/02	1230	8.0
											8/7/02	1155	8.1
											8/21/02	1215	8.0
											9/4/02	1150	8.1
											9/16/02	1455	8.2
											10/2/02	1315	7.8
											10/16/02	1530	7.9
											11/1/02	700	7.5
											pH collected at sonde changeout		

### PINE 2007 DATA

Month	N	Temperature (Degrees C)			Dissolved Oxygen (PPM)			Dissolved Oxygen (% Saturation)			pH (Standard Units)	
		Mean	MAX	MIN	Mean	MAX	MIN	Mean	MAX	MIN	MAX	MIN
5	735	15.0	20.7	11.4	9.0	10.3	7.6	91	99	84	8.1	7.8
6	720	20.8	26.6	14.5	7.5	9.0	6.6	84	90	76	8.2	7.4
7	744	22.3	26.3	18.9	6.8	8.0	6.1	79	94	71	8.8	7.8
8	744	22.6	27.8	18.9	7.2	8.7	5.8	86	99	67	9.1	7.9
9	720	17.8	23.3	13.8	7.5	9.1	6.4	80	95	66	8.8	8.0
10	744	11.6	18.9	6.1	9.0	11.0	6.7	84	92	68	8.3	7.9

N=Number of Observations

Document Content(s)

PIN II F 1 12.PDF.....1-10