ORIGINAL

Wisconsin Electric
POWER COMPANY

231 W. Michigan, P.O. Box 2046, Milwaukee, WI 53201-2046

(414) 221-2345

FILED
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FEDERAL ENERGY
REGULATORY COMMISSION

June 12, 1996

Ms. Lois Cashell, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20246

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RE: Pine Hydroelectric Project - FERC License 2486
Article 418 - Final Water Quality Monitoring Plan

Dear Ms. Cashell:

Article 418 of the new license issued for the Pine Project on December 19, 1995, required Wisconsin Electric to submit, within 180 days of license issuance, a Plan to monitor dissolved oxygen, pH and temperature of the Pine River downstream of the Project every five years. The Plan is to include a schedule for implementing the monitoring program and must include allowances for consulting appropriate federal and state agencies with respect to the design of the program as well as communicating the results of the monitoring program.

In addition, the Plan is to include the following:

1. a copy of the Licensee's solicitation of comments from the resource management agencies on the proposed Plan;

2. a copy of the agencies' comments on the proposed Plan;

3. the Licensee's response to these comments.

Wisconsin Electric is whereby filing one original and eight additional copies of the Plan with the Commission for approval. Please note the presence of an appendix attached to this document; a copy of Wisconsin Electric's letter to the agencies soliciting comments on the proposed Plan. As of this time, oral comments have been received from the WDNR. The recommended changes were adopted in the final plan. If the company were to receive additional comments on the Plan, we will file these comments and our response with the Commission as soon as possible.

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FERC DOCKET ROOM
JUN 13 1996

A copy of this filing is being served on the agencies specified in Article 418, as amended by order on rehearing on April 2, 1996, and listed in the copy list below. A proof of service is included. If you have any questions about this plan, please call me at (414) 221-2413.

Sincerely,

Rita Hayen Hus.

Rita L. Hayen, P.E.
Project Engineer, Hydro Licensing

encl.

cc: Robert Rosenberger, WDNR
Jim Fossum, USFWS
Angela Tornes, NPS
T.J. Lo Vullo, FERC

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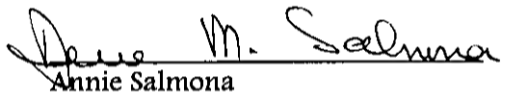
Certificate of Service

I hereby certify that I have this day served the foregoing document upon all entities specified in the order to issue license to be consulted on matters related to the Commission filing. Service was done pursuant to Rule 2010 of FERC's Rules of Practice and Procedure 18 CFR, Section 385.2010

Dated this day Wednesday, June 12, 1996.



Annie Salmona
Hydro Licensing
Wisconsin Electric Power Co.

Annie Salmona
Wisconsin Electric Power Co.
333 W. Everett Street
Milwaukee, WI 53203
(414) 221-4151

Final Water Quality Monitoring Plan
For the Pine Hydroelectric Project
FERC License No. 2486-002

I. Monitoring Location and Equipment:

Continuous monitoring of temperature, dissolved oxygen and pH, will occur at one location; in the plant's tailrace along the south bank, approximately 50 ft downstream of the powerhouse and approximately 100 ft downstream of the point where the by-passed river channel joins the tailrace. Continuous recording instruments will be used.

As in previous monitoring efforts conducted by the company, the instruments will be cleaned and calibrated weekly. The DO measurements will be air calibrated per the manufacturer's specification; pH will be checked against laboratory prepared buffer solutions, while temperature will be checked with a thermometer. The instruments would be deployed for seven to ten days maximum. The calibrations will be rechecked upon retrieval as is now the routine. The company will seek to achieve a goal of 70% accuracy (plus or minus 1.0 mg/l) for DO for each unattended monitoring period.

In addition, late winter (February- Early March) vertical profile measurements of temperature, D.O. and pH will be made through the ice on a single occasion to determine if the reservoir is developing serious low D.O. conditions that could impact downstream waters. This type of survey was performed in 1990. No problems were encountered at that time.

II. Monitoring Schedule:

Initial license-required monitoring will commence no later than May 1, 1997, spring weather and runoff conditions permiting, and will terminate on or about October 31, 1997. This schedule will repeated once every five years for the duration of the license unless the schedule is revised by FERC.

III. Data Reporting:

As recorded data is being downloaded from the instrument to the computer, data will be screened for compliance by comparing the actual data with the water quality standards for temperature, dissolved oxygen, and pH. Assuming no exceedances are noted, the data will be stored on company computer, backed up with hardcopy printouts. If requested by the agencies, the company would make any data available for review within ten working days.

Absent special requests, data summaries consisting of data plots or tabularized data for the six month continuous monitoring period and the late witner vertical profile measurements will be prepared and filed with FERC and the agencies no later than November 30, of each year. The raw data could be placed on diskette and shared with the agencies if so desired.

APPENDIX 1
Proposal to Agencies

Wisconsin Electric
POWER COMPANY

231 W. Michigan, P.O. Box 2046, Milwaukee, WI 53201-2046

(414) 221-2345

April 29, 1996

Mr. Robert Rosenberger
Wisconsin Dept. of Natural Resources
Industrial Parkway
Box 16
Marinette, WI 54143

Mr. Jim Fossum
U.S. Fish and Wildlife Service
1015 Challenger Court
Green Bay, WI 54311

Gentlemen,

RE: Proposed Water Quality Monitoring Plan
Pine Hydroelectric Project, FERC License No. 2486-002

The purpose of this correspondence is to solicit your comments on this Proposed Water Quality Monitoring Plan as required by Article 418 of the license that was issued December 19, 1995. This article infers a monitoring frequency of once every five years but does not specify a "start Year". We propose that the monitoring program's "start Year" be 1997 to coincide with the program proposed for the Brule Project. This would allow for more efficient use of company resources. A copy of license Article 418 is attached for your reference.

Since we are to file a final version of this proposal with FERC no later than June 17, 1996, your timely response to this request by June 3, 1996, would be most appreciated.

If you have any questions regarding this plan, please do not hesitate to call me at (414) 221-2413 or Dave Michaud at (414) 221-2187.

Sincerely,

Rita L. Hayen, P.E.
Project Engineer, Hydro Licensing

Enclosure

cc: Angela Tornes, NPS

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Proposed Water Quality Monitoring Plan
For the Pine Hydroelectric Project
FERC License No. 2486-002

I. Monitoring Location and Equipment:

Continuous monitoring of temperature, dissolved oxygen and pH, will occur at one location; in the plant's tailrace along the south bank, approximately 50 ft downstream of the powerhouse and approximately 100 ft downstream of the point where the by-passed river channel joins the tailrace. Continuous recording instruments will be used.

As in previous monitoring efforts conducted by the company, the instruments will be cleaned and calibrated weekly. The DO measurements will be air calibrated per the manufacturer's specification; pH will be checked against laboratory prepared buffer solutions, while temperature will be checked with a thermometer. The instruments would be deployed for seven to ten days maximum. The calibrations will be rechecked upon retrieval as is now the routine. The company will seek to achieve a goal of 70% accuracy (plus or minus 1.0 mg/l) for DO for each unattended monitoring period.

II. Monitoring Schedule:

Initial license-required monitoring will commence no later than June 1, 1997, and will terminate on or about September 30, 1997. This schedule will repeated once every five years for the duration of the license unless the schedule is revised by FERC.

III. Data Reporting:

As recorded data is being downloaded from the instrument to the computer, data will be screened for compliance by comparing the actual data with the water quality standards for temperature, dissolved oxygen, and pH. Assuming no exceedances are noted, the data will be stored on company computer, backed up with hardcopy printouts. If requested by the agencies, the company would make any data available for review within ten working days.

Absent special requests, data summaries consisting of data plots or tabularized data for the four month monitoring period will be prepared and filed with FERC and the agencies no later than November 30, of each year. The raw data could be placed on diskette and shared with the agencies if so desired.