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October 28, 2002

**Engineering & Manufacturing** 

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Mr. Jeffrey Scheirer Northern Region FERC Manager Wisconsin Department of Natural Resources P.O. Box 220 875 South 4<sup>th</sup> Avenue Park Falls, WI 54552

Ms. Janet Smith
Fish & Wildlife Biologist
U.S. Fish and Wildlife Service
1015 Challenger Court
Green Bay, WI 54311

Re: Flambeau Lower Project, No. 2421, Flambeau Hydro, L.L.C.

Article 410, Purple Loosestrife Inventory

Dear Mr. Scheirer and Ms. Smith:

Attached is a copy of our "Purple Loosestrife Inventory" for 2002. This annual report has been prepared to comply with Article 410 of the project's federal hydropower license.

We invite you to review and comment, but we respectfully request that any written response be provided to us within thirty (30) days from the date of this letter.

Please contact me if you wish discussion or have any questions. Your cooperation is appreciated.

Sincerely,

Loyal Gake, P.E.

Director of Development and

Regulatory Compliance

Attachment

File: 02-10-02 RAL Flambeau Lower Article 410 Purple Loosetrife Inv 2002.doc

Flambeau Lower Project Purple Loosestrife Inventory August 2, 2002 FERC Project #2421 Article 410

Flambeau Hydro, L.L.C. 116 State St. Neshkoro, WI 54960

Purple Loosestrife

On August 2, 2002, Flambeau Hydro, L.L.C. (FHLLC) performed an inventory of purple loosestrife plants at the Flambeau Lower Project in Price County, Wisconsin. The method of inventory had not been approved by Federal Energy Regulatory Commission (FERC) at the time of the survey. In lieu of an approved plan, the following method was used:

While Purple Loosestrife is blooming in mid July to early August, the inventory should be conducted using a boat to survey the impoundment above the dam within the Project Boundary and on foot or by boat below the dam within the Project Boundary. County wetland maps may be used to determine other areas where Purple Loosestrife could be found on lands owned by FHLLC within the Project Boundary. Lands owned by FHLLC within the Project Boundary will be surveyed on foot. A pair of binoculars should be used to search for the purple flowered spikes of the plant. When plants are located, the person(s) inventorying should get close enough to make a positive identification without disturbing the plants or the immediate area around the plants as this could cause them to spread. A GPS receiver will be used to establish a GPS coordinate for the location of the plants. If it is not possible to get close enough to establish an accurate location, an approximate location will be established with reference to an established GPS coordinate. The plants should be inventoried by marking and numbering the location on a Project map along with notes approximating size of plants, stand area, percent cover, stem density, plant density, and location with reference to established GPS coordinates. Photos and/or videotape will be taken of the largest occurrences.

## Example:

#1 6' tall plants; 4' X 20'; 30% cover; 4 – 5 stems per plant; 4 plants; on shoreline N45° 56.183' W90° 26.748'; no photo

#2 5' - 7' tall plants; 10' X 10'; 25% cover; 4-5 stems per plant; 10 plants; in marsh ~50 feet bearing 25° from N45° 56.256' W90° 26.710'; photo No. 1

The area to be inventoried shall be the shoreline of the impoundment to elevation 1468 feet NGVD and lands owned by FHLLC within the Project Boundary as indicated on the Project Map 1, dated November 1991, included in Exhibit G of Flambeau Paper Corp. Application For A Subsequent License for the Lower Hydroelectric Project FERC Project #2421.

## General Observations:

The Flambeau Lower Project Boundary was divided into three different areas; the impoundment (from HWY 182 bridge in Park Falls to the dam), FHLLC owned property within the project boundary (FHLLC owned property adjacent to the dam and powerhouse), and the tailrace (from the dam and powerhouse to the HWY 13 bridge).

The tailrace was surveyed by boat and no purple loosestrife plants were observed.

The FHLLC owned property within the project boundary was surveyed on foot and no purple loosestrife plants were observed.

The impoundment was surveyed by boat and no purple loosestrife plants were observed.

During the inventory, an 8mm camcorder was used to document new occurrences of purple loosestrife as noted in the survey comments at the end of this report.

File: 02-10-02 RAL Flambeau Lower Article 410 Purple Loosetrife Inv 2002.doc

● Boat Livery

Access with Porking

♦ Access

02-10-09 RAL Flambeau Lower 2002 Purple Loosestrife Survey form.xls

Purple Loosestrife Survey Project:

Date: Crew:

Flambeau Lower #2421 8/2/2002 RAL

Datum: Page:

WGS 84 1 of 1

Comments	No occurances of purple loosestrife were found within the project boundary in 2002.						A. Marian de la companya del la companya de la comp												
Stand Area																			
Plant Height																			***************************************
Longitude																			
Lattitude																			
GPS point																			
Sighting #					_								_					_	