Appendix 4

South Milton Hydro Project Approved Flow Management Plan
with Minimum Flow Discharge Calculations
January 21, 1993

Secretary
Federal Energy Regulatory Commission
825 N. Capital Street, N. E.
Washington, D. C. 20426

RE: South Milton Project
SFR Hydro Corp.
Project No. 3984-001-NH

Dear Sir:

In accordance with your order of November 24, 1992, enclosed is the original and eight copies of our plan to monitor flow at the South Milton project.

Our letter of December 10, 1992 to the agencies requesting their comments is also attached. Only the USFWS responded and their letter is enclosed. Bill Ingham of the New Hampshire Fish & Game Dept. confirmed by phone that the plan is acceptable to him.

Very truly yours,

Robert L. Winship
President, National Hydro
for SFR Hydro Corp.

RLW/co

Enclosures

cc: M/V

cc: N/H

geb 20/0154

745 Atlantic Avenue, Boston, Massachusetts 02111-2735. Telephone 617-351-9029. FAX 617-350-7881
United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Field Offices
400 Ralph Pilk Marketplace
22 Bridge Street, Unit #1
Concord, New Hampshire 03301-4901

January 8, 1993

REF: FERC #3984

Mr. Robert L. Winship
National Hydro
99 Bedford Street
Boston, Massachusetts 02111-2217

Dear Mr. Winship:

We have reviewed and concur with your proposed plan for monitoring flow releases at the South Milton Hydroelectric Project, located on the Salmon Falls River on the Maine/New Hampshire border. We note that the plan calls for monitoring water levels in the headpond as well as discharges from the powerhouse, for the purposes of demonstrating that the project will be operating in a run-of-river mode. By doing so, you will be in compliance with the minimum flow requirement of 58 cfs or inflow to the project area, whichever is less.

Thank you for the opportunity to review this instream flow monitoring plan. If you have any questions, please contact Gordon Russell at (207) 827-5938.

Sincerely yours,

[Signature]

Gordon E. Beckett
Supervisor
New England Field Offices
December 10, 1992

Mr. William C. Ingham  
New Hampshire Fish & Game Dept.  
Two Hazen Drive  
Concord, New Hampshire  03301

Mr. Gordon Russell  
U. S. Fish & Wildlife Service  
1033 So. Main Street  
Old Town, Maine  04468

Mr. Robert Hammond  
U. S. Geological Survey  
525 Clinton Street  
Bow, New Hampshire  03304

RE: South Milton Project  
SFR Hydro Corp.  
FERC No. 3984-001-NH

Certified/Return Receipt

Gentlemen:

Enclosed is a copy of the Compliance Order issued by FERC on November 24, 1992 relating to monitoring of releases from the project. Also enclosed is our plan to meet the requirements of the order.

The order requires that our plan to be filed with the FERC contain your agencies' comments. Please provide those comments by January 18, 1993 so that my response to the FERC can be timely.

If you have any questions or wish to discuss this plan, please call.

Very truly yours,

Robert L. Winship  
President  
RLW/co

Enclosures

99 Bedford Street, Boston, Massachusetts 02111-2217, Telephone 617-357-9029, FAX 617-350-7081
December 10, 1992

Project No. 3984-001-NH
South Milton Project
SFR Hydro Corp.

PLAN FOR MONITORING RELEASE FROM THE PROJECT

This plan is presented in accordance with the Compliance Order issued by the FERC on November 34, 1992.

PURPOSE:

The purpose of the plan is to demonstrate compliance with Article 2 of the FERC exemption for the project. Specifically, this plan describes how the project manager shall demonstrate that releases from the project are at least 58 cfs, or when inflows are less than 58 cfs, that outflows shall be no less than inflows.

METHODOLOGY:

The purpose will be accomplished by continuous monitoring of the pond level behind the dam. A pressure transducer will be installed at the pond and its signal will be monitored by a computer located in the powerhouse. Pond elevation will be recorded every hour.

A printout showing hourly production from the plant is provided by PSNH, the power purchaser.

The production data, along with the pond level data, will demonstrate that the inflows to the reservoir are discharged from the project. This conclusion can be drawn since the pond is very small (about three acres), the normal pond level is about 8 inches below the top of the stop logs, and inflows must pass over the dam or through the turbine. There is effectively no free storage in the reservoir and inflows must therefore equal outflows if the pond is held at a constant elevation.

SCHEDULE FOR IMPLEMENTING THE PLAN:

1. The computer system has been delivered.
2. Software will be written by August 1, 1993.

3. The transducer, wiring to the dam (about 3800 feet), and the computer will be installed by September 15, 1993.

4. The system will be operational by October 30, 1993.

5. The results of monitoring will be available for reporting to the agencies by January 15, 1994.