



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

October 26, 1993



Mr. Jon Christensen
Kleinschmidt Associates
PO Box 650
Pittsfield, ME 04967

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OFFICE OF THE ATTORNEY GENERAL
FEDERAL ENERGY REGULATORY COMMISSION

Re: Section 401 Water Quality Certificate - FERC Project #2311, James River-Gorham Hydroelectric Project, Gorham, NH.

Dear Mr. Christensen:

The Division has determined that FERC Project #2311 as proposed and amended on October 19, 1993 to limit bypass flows to minimums of 400 cfs between March 1 and June 1 and 75 cfs for the remainder of the year will comply with the applicable provisions of Section 301, 302, 303, 306, and 307 of the Clean Water Act as amended, and hereby issues a Section 401 Water Quality Certificate, subject to the following conditions:

- 1) If it is determined through James River-NH Electric Inc. sampling at the Shelburne project (FERC #2300) that there is a Class B dissolved oxygen violation, the following water quality monitoring program will be initiated immediately by James River-NH Electric Inc. at the Gorham Project to determine if the Gorham facility is the cause of the violation. The frequency of sampling will be determined by DES. If it is determined by DES that the Gorham project is not causing the violation at the Shelburne project, sampling will be discontinued. The monitoring program shall include:
 - (a) Dissolved oxygen and water temperature must be monitored at three stations in the Androscoggin River; 1) upstream of the Gorham impoundment, 2) at three depths in the impoundment (surface, bottom, and mid-depth), and 3) downstream of the tailrace. Station locations will be specified by DES-WSPCD.
 - (b) Monitoring must occur between 0500 and 0800 daily.
 - (c) Equipment calibration and quality control measures must be followed to assure accurate reporting.
 - (d) Monitoring events will be conducted under as close to the following conditions as possible, water temperature 20 C or greater and river flows less than 2000 cfs. Sampling water temperatures and river flows must be documented.

FERC DOCKETED

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AIR RESOURCES DIV
64 N. Main Street
Concord, N.H. 03302-0033
Tel: 603-271-1370
Fax: 603-271-1381

WASTE MANAGEMENT DIV
6 Hazen Drive
Concord, N.H. 03302
Tel: 603-271-2944
Fax: 603-271-2496

WATER RESOURCES DIV
64 N. Main Street
P.O. Box 214
Concord, N.H. 03302-0214
Tel: 603-271-3444
Fax: 603-271-1111

WATER SUPPLY & POLLUTION CONTROL DIV
P.O. Box 95
Concord, N.H. 03302-0095
Tel: 603-271-3503
Fax: 603-271-2147

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Jon Christensen
October 26, 1993
Page Two

- (e) Water quality monitoring and QA/QC results must be reported on an annual basis and a yearly summary report must be submitted to DES-WSPCD no later than 60 days after completion of the sampling.
- 2) This office reserves the right to gain access to the Gorham Hydroelectric site during normal working hours to check monitoring equipment and records to assure compliance with the State's water quality standards.
- 3) If any structural and/or operational modifications which impact the water quality of the Androscoggin River are to be made at the Gorham Hydroelectric Project, this certificate may need to be amended. An amended certificate, or a determination that no amendment is required, must be obtained prior to making any such modifications.
- 4) All river uses must be maintained and protected; therefore, the Gorham Hydroelectric Project shall not cause Class B water quality standards to be violated.

Please address all correspondence to Robert J. Baczynski at the Water Supply & Pollution Control Division address indicated.

Sincerely,



Edward J. Schmidt, P.E., Ph.D.
Director
Water Supply & Pollution Control Division

RBJ/EJS/:

cc: Delbert Downing - NHWB
Raymond Carter, P.E., Water Quality, Permits & Compliance Bureau
Gretchen Rule
Katherine Ueland - Comm.
Tim Drew - Comm.
Leslie Luötke - AG
Nancy Derey - Corps of Engineers
Sec. Lois Cashell - FERC
Mark Robinson - FERC
R. Feller - FERC
Town of Gorham