

WATER QUALITY CERTIFICATION AMENDMENT

(P.L. 92-500, Section 401)

In the matter of: Central Vermont Public Service Corp.
77 Grove Street
Rutland, VT 05701
Application for amendment to E. Barnet
Hydroelectric Project Water Quality
Certification

The Water Quality Division of the Vermont Department of Water Resources and Environmental Engineering has reviewed the request filed by the applicant by letter dated April 1, 1983 and finds:

1. The final design of the project incorporates a 56 foot long stop log section in the dam crest, four feet in height. The purpose of this stop log structure is to release ice or pass excess water during periods of high flow.

2. The stop log structure is hinged on the bottom, and in order to restore the structure to an upright position, the pool must be drawn down to the invert elevation of that section, 483.3 feet NGVD.

3. The original Water Quality Certification restricts the drawdown to a maximum of 30 inches below the crest.

4. The stop log structure is necessary for flood and ice protection.

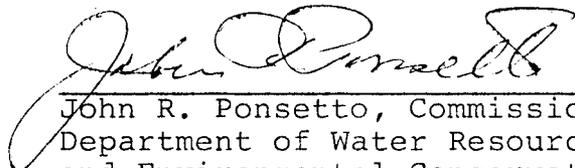
5. The request is found to be reasonable. It is also expected that CVPS, because of their own economic interests in the project, will keep the duration of the drawdown reasonably short in order not to lose too much power production due to the lower head.

CONDITIONS

Based on its review and findings, the Department hereby amends the East Barnet Hydroelectric Project Water Quality Certification by changing condition A to read:

A. The hydroelectric facility shall be operated to maintain instantaneous flows downstream of the tailrace equivalent to the instantaneous inflow into the impoundment. Any flows which either exceed the hydraulic capacity of the powerhouse or are less than the minimum capacity of the smaller turbine (85 CFS) shall be passed over the dam. The applicant shall provide the Department of Water Resources and Environmental Engineering with a description and plans detailing how releases will be made at the dam for review and approval.

The requirements of this condition shall be waived during NEPEX audits and NEPEX "all-units-running" periods, which are understood to be infrequent. During the refilling of the impoundment, if drawdown, instantaneous flows below the project shall be maintained at 100 CFS, or project inflow, if less. The drawdown shall not exceed (30) inches, except in such cases as where replacement or repair of the hinged stop log section on the east end of the dam is necessary. In such cases, the maximum allowable drawdown is 48 inches from the crest.


John R. Ponsetto, Commissioner
Department of Water Resources
and Environmental Conservation

Dated at Montpelier, Vermont
this 19th day of July, 1983.

JRC/rh