

Appendix C.2

Ayers Island Water Quality Certificate



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DEPARTMENT OF ENVIRONMENTAL SERVICES
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August 9, 1991

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James Kearns
PSNH
1000 Elm., PO Box 330
Manchester, NH 03105

Re: Water Quality Certificate (pursuant to Section 401 of the Clean Water Act): FERC Project #2456. Ayers Island Hydroelectric Project, New Hampton/Bristol.

Dear Mr. Kearns:

The Division has determined that under the conditions outlined in this certificate, FERC Project #2456 will comply with the applicable provisions of Section 301, 302, 303, 306, and 307 of the Clean Water Act as amended.

The following conditions are placed on this section 401 Water Quality Certificate:

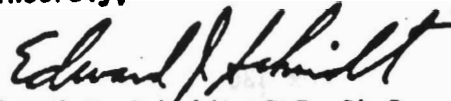
- 1) The following water quality monitoring program must be enacted no later than 1994 and shall continue for three (3) consecutive years. It will be determined at the end of the third sampling period whether continued monitoring will be necessary.
 - (a) Dissolved oxygen (D.O.) and water temperature (T) must be monitored at two locations in the Pemigewasset River, upstream of the Ayers Island impoundment and downstream of the dam, as specified by DES-WSPCD.
 - (b) Continuous D.O. and T monitoring must be performed at each location for 72 hours during each of the following periods: late June - early July, late July - early August, late August - early September.
 - (c) Equipment calibration and quality control measures must be followed to assure accurate reporting.
 - (d) Monitoring events will be conducted under as close to limiting water quality conditions as possible (If possible river flows below 500 cfs and water temperatures above 20°C). Sampling flow will be documented.
 - (e) Water quality monitoring and QA/QC results must be reported on an annual basis and a summary report for the three years must be submitted to DES-WSPCD.

If operational modifications other than setting minimum flow releases are made at the Ayers Island Project, this Section 401 certificate shall be void, and a new Section 401 certificate must be applied for.

This office reserves the right to gain access to the Ayers Island Hydroelectric site at any time to check monitoring equipment and records to assure compliance with the State's water quality standards.

Finally, all existing river uses must be maintained and protected, and at no time shall Class B water quality standards be violated.

Sincerely,



Edward J. Schmidt, P.E. Ph.D.
Director

RBJ/RAF/tmk:7737D

cc: Delbert Downing - NHWB

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