

March 9, 1987

Docket No. 50-220

Mr. C. V. Mangan
Senior Vice President
Niagara Mohawk Power Corporation
301 Plainfield Road
Syracuse, New York 13212

Dear Mr. Mangan:

SUBJECT: HYDROGEN WATER CHEMISTRY TESTS (TAC 64770)

Re: Nine Mile Point Nuclear Station, Unit No. 1

In our Safety Evaluation dated July 10, 1986 supporting Amendment No. 87 to Facility Operating License No. DPR-63 it was indicated that to control access to high radiation areas, Niagara Mohawk would perform the hydrogen water chemistry tests on the back shifts when fewer workers were in the plant. However, in your letter dated September 26, 1986, you stated that this restriction only applies to the pre-implementation or scoping tests which are conducted to determine the optimum concentration of hydrogen to be injected. Once the optimum concentration of hydrogen is determined, a 19-day constant extension rate test will be conducted to evaluate the effect of hydrogen water chemistry on material used at Nine Mile Point Unit 1. During that time, extensive in-plant and site radiation surveys will be conducted at regular intervals to monitor the actual doses as-low-as-is-reasonably-achievable. To control access to high radiation areas and limit personnel exposure, the radiation levels will be posted and areas roped off to reflect changes in the 1000 mrem/hr boundaries. The staff finds the methods used to reduce radiation exposure during the continuous extension rate test to be acceptable.

In telephone conversations with your staff, it was indicated that the above tests which were originally scheduled to be performed during a 6-week period following startup from the 1986 refueling outage, are now tentatively scheduled to begin in April 1987.

Sincerely,

8703120121 870309
PDR ADOCK 05000220
P PDR

Rajender Auluck, Acting Director
BWR Project Directorate #1
Division of BWR Licensing

cc: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

Rajender Anluck

Rajender Anluck, Acting Director
BWR Project Directorate #1
Division of BWP Licensing

cc: See next page

Mr. C. V. Mangan
Niagara Mohawk Power Corporation

Nine Mile Point Nuclear Station.
Unit No. 1

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