

October 26, 2000

Mr. John H. Mueller  
Chief Nuclear Officer  
Niagara Mohawk Power Corporation  
Nine Mile Point Nuclear Station  
Operations Building, Second Floor  
P.O. Box 63  
Lycoming, NY 13093

SUBJECT: NINE MILE POINT NUCLEAR STATION, UNIT NO. 2 - REQUEST FOR  
ADDITIONAL INFORMATION ON YOUR APPLICATION FOR AMENDMENT IN  
RESPONSE TO GENERIC LETTER 99-02 (TAC NO. MA9401)

Dear Mr. Mueller:

By letter dated November 30, 1999, Niagara Mohawk Power Corporation (NMPC) proposed an amendment to the unit's Technical Specifications in response to the staff's Generic Letter 99-02, "Laboratory Testing of Nuclear-Grade Activated Charcoal." By letter dated June 28, 2000, NMPC provided supplemental information.

On October 19, 2000, the NRC staff held a teleconference with NMPC personnel Messrs. S. Leonard, S. Callis, et al. to discuss questions the staff developed on the above submittals. The questions were previously transmitted by e-mail in draft form to NMPC (see NRC Accession No. ML003760261). In and after the teleconference, participants agreed that some of the questions previously transmitted by e-mail may be deleted or modified. Enclosed please find the questions in their final form. Your staff stated that you can respond expeditiously in the near future to support your requested amendment issuance date of mid-November. If you have any questions, please call me at (301) 415-1451.

Sincerely,

**/RA/**

Peter S. Tam, Senior Project Manager, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-410

Enclosure: As stated

cc w/encl: See next page

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DATE	10/26/00		10/26/00	10/26/00	10/26/00	10/26/00

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REQUEST FOR ADDITIONAL INFORMATION  
PROPOSED AMENDMENT IN RESPONSE TO GENERIC LETTER (GL) 99-02  
NIAGARA MOHAWK POWER CORPORATION  
NINE MILE POINT NUCLEAR STATION, UNIT NO. 2

- (1) Requested Action 1 of GL 99-02 requested that each licensee provide the specific test protocol, temperature, relative humidity, charcoal bed depth, total residence time per bed depth, and penetration for each engineered safety feature ventilation system. Please provide the following information:
- (1) charcoal bed depth for the Control Room Envelope Filtration (CREF) System.
  - (2) total residence time per bed depth for the CREF and the Standby Gas Treatment (SGT) System.
- (2) Requested Action 2 of GL 99-02 states, "If the system has a face velocity greater than 110% of 0.203 m/s [40 ft/min], then the revised TS should specify the face velocity."

Please provide information which indicates the actual system face velocity for the CREF and describe how it is calculated for both systems. The actual system face velocities can be calculated by dividing the maximum accident condition system flow rates specified in the Technical Specification (TS) (nominal + typically 10% upper value) by the total exposed surface area of the charcoal filter media. (The guidance on calculation of the residence times in American Society of Mechanical Engineers AG-1-1997, Division II, Sections FD and FE, Articles I-1000, or in American National Standards Institute N510-1975 can be used to calculate the actual system face velocities). It should be noted that the face velocity should be consistent with the bed depth and residence time. (Bed Depth = Face Velocity x Residence Time)

- (3) In order for the staff to verify that a safety factor as low as 2 is used, the staff needs to know the charcoal adsorber removal efficiencies which are credited in the radiological accident analyses for organic iodide. Please provide information stating the credited organic iodide efficiency for each system.

Enclosure

Nine Mile Point Nuclear Station  
Unit No. 2

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