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RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation

SUBJECT: Forwards addl info & clarification supplementing util 791220 & 31 ltrs re implementation of NUREG-0578 recommendations. One oversized drawing encl.

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NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

May 12, 1980

Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Denton:

Subject: Nine Mile Point Unit 1
Docket No. 50-220
DPR-63

Find attached additional information and clarifications supplementing our letters of December 20, 1979 and December 31, 1979 regarding the implementation of NUREG 0578 Recommendations. Specifically, the areas addressed include NUREG 0578 Recommendations 2.1.3.a, 2.1.5.a, 2.1.8.b and 2.2.1.b.

Niagara Mohawk's letter of December 31, 1979 provided the conceptual design for those NUREG-0578 recommendations requiring review and approval by the Nuclear Regulatory Commission. It is our understanding that no additional information is required by your staff to determine the acceptability of the modifications proposed for Nine Mile Point Unit 1.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

Donald P. Dise

Donald P. Dise
Vice President Engineering

PEF:jk

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NUREG 0578 RECOMMENDATION

2.1.3.a - Direct Indication of Power-Operated Relief Valve and Safety Valve Position for PWR's and BWR's

At the time of the Nuclear Regulatory staff's evaluation of Nine Mile Point Unit 1's compliance with the Category "A" items of the NUREG-0578 Recommendations, we indicated that our safety and relief valve position indication system would be seismically and environmentally qualified by January 1981. Subsequent to your staff's evaluation, Niagara Mohawk has been informed that the seismic and environmental qualification of our safety and relief valve position indication system will not be completed until July 1981.

NUREG 0578 RECOMMENDATION

2.1.5.a - Dedicated Penetrations for External Recombiners or Post-Accident Purge Systems

Our letter of December 31, 1979 proposed a modification to automatically close blocking valves 201.2-05 and 201.2-08 (see Drawing C-18014-C Sheet 1 attached) when adding nitrogen to the containment. This modification was proposed to make the purge system single failure proof for containment isolation purpose, when adding nitrogen to the containment. Further investigation of this modification has shown that when the pump in the Drywell Torus Pump back system trips (which occurs on a containment isolation signal), the blocking valves in the pump suction and discharge will automatically close. Therefore, the pathway through blocking valve 201.2-05 is already single failure proof for containment isolation purposes.

Blocking valves 201.2-135 and 201.2-136 (see Drawing C-18014-C sheet 1) downstream from blocking valve 201.2-08 have a key interlock switch such that one valve is always closed. If the interlock fails, both valves will fail closed. Thus, the pathway through blocking valve 201.2-08 is already single failure proof for containment isolation purposes.

No modification to this system is required to meet NUREG 0578 Recommendation 2.1.5.a.

NUREG 0578 RECOMMENDATION

2.1.8.b - Increased Range of Radiation Monitors

In our letter of December 31, 1979 we committed to install a high range effluent monitor to meet the requirements of NUREG 0578 Recommendation 2.1.8.b. Further investigation has revealed that the range of the two existing noble gas effluent monitors can be adjusted to monitor the entire range required, including sufficient overlap of the monitors.

NUREG 0578 RECOMMENDATION

2.2.1.b - Shift Technical Advisor

Our letter of December 20, 1979 indicated that Niagara Mohawk would augment the control room staff at Nine Mile Point Unit 1 by January 1, 1980. Since January 1, 1980, an Assistant Shift Supervisor has been added to the normal Control Room shift composition. The Assistant Shift Supervisors have bachelor's degrees in a scientific or engineering discipline. By January 1, 1981, they will have received specific training in the response and analysis of the plant for transients and accidents. Also covered will be plant design and layout, including the capabilities of instrumentation and controls in the control room.