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AUTH.NAME AUTHOR AFFILIATION
DISE,D.P. Niagara Mohawk Power Corp.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards addl info re util commitments to meet NUREG-0578, Recommendations 2.1.3b,2.1.8a & RCS venting.Discusses inadequate core cooling detection instrumentation & improved post-accident sampling capability.

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NIAGARA MOHAWK

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

June 26, 1980

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

Dear Mr. Denton:

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

Enclosed is additional information regarding Niagara Mohawk's commitments to meet NUREG-0578 Recommendations 2.1.3b, 2.1.8a and Reactor Coolant System Venting.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

Donald P. Dise

Donald P. Dise
Vice President Engineering

PEF/kmb
Attachment

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NUREG 0578 RECOMMENDATION

2.1.3b - Instrumentation for Detection of Inadequate Core Cooling

In our December 31, 1979 response to the NUREG 0578 Recommendations, Niagara Mohawk committed to installing additional reactor vessel water level instrumentation. It was indicated that this instrumentation would cover the range from the normal water level to the bottom of the core. The instrumentation will be redundant, compensated for reactor vessel pressure, and drywell and reactor building temperature and supplied with an emergency power source.

The Nuclear Regulatory Commission's NUREG 0578 clarification letter of October 30, 1979 requires this instrumentation to meet safety-grade criteria. The instrumentation will meet safety-grade criteria except for the microprocessor due to the unavailability of vendors to fabricate safety related Class 1-E microprocessors. The microprocessor is used for vessel pressure and drywell and reactor building temperature compensation.

Also in the interim from January 1, 1981 to the Spring, 1981 refueling, the drywell temperature compensation will be provided by special instructions to the operators. During the Spring, 1981 refueling outage, RTD's will be installed in the drywell and wired to the microprocessor to provide automatic drywell temperature compensation.

NUREG 0578 RECOMMENDATION

2.1.8a - Improved Post-Accident Sampling Capability

In our December 31, 1979 response to the NUREG 0578 Recommendations, Niagara Mohawk committed to modifying the existing recirculation loop sample line and adding a sample sink to obtain reactor coolant samples under accident conditions by January 1, 1981. Niagara Mohawk is funding with a group of utilities the design and fabrication by General Electric of a generic sample panel. The group approach was believed to be advantageous from a schedule and manpower standpoint. Preliminary information from the sample panel vendor indicates that this equipment may not be available until after January 1, 1981. Based on this equipment delivery schedule, Niagara Mohawk will revise its installation schedule to install this equipment within 60 days after delivery to the site.

NUREG 0578 RECOMMENDATION

Reactor Coolant System Venting (Emergency Condenser Venting)

In our December 31, 1979 response to the NUREG 0578 Recommendations, Niagara Mohawk committed to modifying the emergency condenser tube side vents by January 1, 1981 to provide the capability to vent the emergency condensers under accident conditions. In a separate letter dated May 7, 1980 from Mr. D.G. Eisenhut, the Nuclear Regulatory Commission requested an analysis to be performed by April 1, 1981 to determine the capability of the Emergency Condenser System to depressurize the reactor coolant system with non-condensibles in the system by April 1, 1981. Therefore, Niagara Mohawk will assess the need for modifying the emergency condenser vent and will perform the analysis or modification by April 1, 1981.

NUREG 0578 RECOMMENDATION

Reactor Coolant System Venting (Reactor Head Vent System)

Our December 31, 1979 response to the NUREG 0578 recommendations committed to providing the reactor head vent valves with an emergency power supply by January 1, 1981. The modification can be performed by this date. However, a preoperational test cannot be performed until the Spring, 1981 refueling outage unless the plant undergoes an unscheduled shutdown. Therefore, rather than modify the head vent valves power supply by January 1, 1981 without proper testing, Niagara Mohawk will delay the installation of this modification until the Spring, 1981 refueling outage.

In the interim from January 1, 1981 to the Spring, 1981 refueling outage, special procedures will be in place to provide emergency power to the reactor head vent valves. If an accident did occur in conjunction with a loss of off-site power during which reactor coolant system venting would be necessary, there would be adequate time available to connect the reactor head vent valves to an emergency power supply.