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July 7, 1981
JPN-81-49

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Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. Thomas A. Ippolito, Chief
Operating Reactors Branch No. 2
Division of Licensing

Subject: James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
NUREG-0737 Post-TMI Requirements

Dear Sir:

Enclosure 1 contains the Power Authority's response to the following NUREG-0737 items:

- II.B.1 RCS Vents
- II.D.1 Safety Relief Valve Testing
- II.E.4.1 Dedicated Hydrogen Penetrations
- II.E.4.2.7 Closure of Containment Vent and Purge Valves on High Radiation
- II.F.1.3 Containment High Range Radiation Monitors
- II.K.3.13 Separation of HPCI and RCIC Initiation Levels
- II.K.3.15 HPCI and RCIC Isolation
- II.K.3.25 Effects of Loss of Power on Pump Seals
- III.A.2 Long-Term Emergency Preparedness
(also identified as NUREG-0654 Rev. 1 Appendix 2 Meteorological Criteria for Emergency Preparedness)

If you have any further questions please do not hesitate to contact us.

Very truly yours,

J. P. Bayne
J. P. Bayne
Senior Vice President
Nuclear Generation

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ITEM II.B.1 REACTOR COOLANT SYSTEM VENTS

Since JAFNPP is a G.E. BWR 4, the generic positions expressed by the GE/BWR Owner's Group, regarding BWR 4 RCS venting, are applicable to our facility. This includes the recent response to NRC questions D.B Waters (GE/BWR Owner's) to D. G. Eishenut (NRC) dated April 24, 1981) regarding procedures and HPCI/RCIC operations.

The Authority provided a detailed description of the JAFNPP RCS venting capability in a previous letter from P. Early (PASNY) to D.G. Eishenut (NRC) dated December 22, 1979 (JPN-79-65).

Procedures for venting of the JAFNPP RCS are contained in F-OP-65 Start Up and Shutdown Procedure. The Authority is also participating with the GE/BWR Owner's Group in the development of emergency procedure guidelines which will address the venting of the RCS through the operation of the HPCI, RCIC and ADS Systems.

ITEM II.D.1 SAFETY AND RELIEF VALVE TESTING

The preliminary generic BWR safety and relief valve test results have been transmitted by the BWR Owner's Group in a letter from T.J. Dente (BWR Owner's Group) to D.G. Eisenhut (NRC) dated July 1, 1981.

A preliminary review by the Authority of these results indicated that the type of valves used at JAFNPP (two-stage Target Rock) performed satisfactorily under the test conditions.

II.E.4.1 DEDICATED HYDROGEN PENETRATIONS

The Power Authority has responded to this item in a letter from J. P. Bayne (PASNY) to T.A. Ippolito (NRC) dated April 28, 1981 (JPN-81-31). This letter requested an extension of the implementation date from July 1, 1981 to June 1982 for material availability reasons.

II.E.4.2.7 CLOSURE OF CONTAINMENT VENT AND PURGE VALVES
ON HIGH RADIATION

The Power Authority is implementing the requirements of NUREG-0737 Item II.F.1.3 for the installation of drywell high radiation monitors. At this time, engineering work is also in progress for a plant modification to utilize a signal from these new monitors to close the vent and purge valves on high radiation drywell. The Authority intends to complete this modification concurrently with the modification required by Item II.F.1.3. Dependent upon material availability both will be completed by January 1, 1982.

ITEM II.F.1.3 CONTAINMENT HIGH RANGE RADIATION
MONITORS

The Power Authority is in the process of implementing the requirements of this item. The following General Atomics equipment is being procured:

Gamma Dectector	Model No. RD23
Readout Module	Model No. RP2C
Power Supply	Model No. RP23
Nimbin	Model No. RP20-01

These components meet the specifications in NUREG-0737 Table II.F.1-3. They will be installed at Elevations 282 and 291 in the drywell in physically separate locations. The attached sketch shows the detector locations.

The final design details are expected to be available by August 1, 1981. The detectors will be installed during the October refueling outage and operational, as required, by January 1, 1982.

II.K.3.13 SEPARATION OF hPCI AND RCIC INITIATION LEVELS

The Power Authority has responded to this item in a letter from J.P. Bayne (PASNY) to T. A. Ippolito (NRC) dated April 28, 1981 (JPN-81-31). This letter requested an extension of the implementation date from July 1, 1981 to October 1982 for material availability reasons.

ITEM II.K.3.15 HPCI AND RCIC ISOLATION

The Power Authority has responded to this item in a letter from J. P. Bayne (PASNY) to T.A. Ippolito (NRC) dated January 8, 1981 (JPN-81-5). This letter explained that a plant modification to address this item was completed at the JAFNPP in March 1975.

ITEM II.K.3.25 EFFECT OF LOSS OF POWER ON
PUMP SEALS

The BWR Owner's Group has provided a generic analysis of this item in a letter from D. B. Waters (BWR Owner's Group) to D.G. Eisenhut (NRC) dated January 23, 1981. This analysis applies to the JAFNPP and is endorsed by the Authority.

ITEM III.A.2 LONG-TERM EMERGENCY PREPAREDNESS
(ALSO IDENTIFIED AS NUREG-0654 Rev.1 APPENDIX 2
METEOROLOGICAL CRITERIA FOR EMERGENCY PREPAREDNESS)

The Power Authority and Niagara Mohawk are providing a common meteorological tower for the James A. FitzPatrick and Nine Mile Point nuclear facilities. The functional description of the tower and instrumentation has been submitted to the NRC in a letter from D.P. Dise (Niagara Mohawk) to D.G. Eisenhut (NRC) dated June 30, 1981.

As stated in that letter it is anticipated that the meteorological system will be installed and operational by July 1, 1982.

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