METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER & LIGHT COMPANY

AND

PENNSYLVANIA ELECTRIC COMPANY

THREE MILE ISLAND NUCLEAR STATION, UNIT 1

Operating License No. DPR-50
Docket No. 50-289
Technical Specification Change Request No. 114 Rev. 1

This Technical Specification Change Request is submitted in support of Licensee's request to change Appendix A to Operating License No. DPR-50 for Three Mile Island Nuclear Station, Unit 1. As a part of this request, proposed replacement pages for Appendix A are also included.

GPU NUCLEAR CORPORATION

By H D Hukill
Director, TMI-1

Sworn and subscribed
to before me this 13th
day of June, 1984.

Darla Jean Berry
Notary Public

DARLA JEAN BERRY, NOTARY PUBLIC
MIDDLETOWN BORO, DAUPHIN COUNTY
MY COMMISSION EXPIRES JUNE 17, 1985
Member, Pennsylvania Association of Notaries

TECHNICAL SPECIFICATION CHANGE REQUEST (TSCR) NO. 114, REV. 1.

The Licensee requests that the attached changed pages replace pages vi, 3-40a, 3-40b, 4-1, and 4-5a of the Technical Specifications as amended through Amendment 95. Changes made to the attached changed pages should be incorporated as necessary into the Technical Specifications to reflect amendments issued subsequent to Amendment 95. These revised pages supercede TSCR 114, Rev. 0.

REASON FOR TSCR 114, REV. 1

This revision is provided to resolve NRC review comments on TSCR 114, Rev. 0. The revisions make this request more consistent with the NRC model Tech Specs. (GL 83-37).

SAFETY EVALUATION

The Safety Evaluation for TSCR 114 Rev. 0 remains valid and applicable. In addition, the following supporting information is provided.

1. The applicability for [illegible]3.5.5.2 is appropriate and does not specify HOT SHUTDOWN to be consistent with Action B of table 3.5-3 to proceed to a condition where the equipment is not required to be operable.

2. Table 3.5-3 does not include alarm setpoints for radiation monitors, since they may be subject to repeated change due to operating experience, detector replacement, and maintenance. Operability of the alarms is covered by the definition of OPERABLE per TSCR 139, Rev. 1. The ranges for the monitors are provided in the Restart Report and FSAR.

3. Action A is appropriate since the emergency planning procedures provide backup means for projecting releases and does assessment using other available plant parameters in the event one of the high range monitors is unavailable. These procedures are in place and available for use at all times.

   Reporting of monitor unavailability within 30 days was selected to be consistent with 10 CFR 50.73.

4. Action B time frames are appropriate since the below listed alternate single channel control grade means are available as backup monitors:

   a. Containment pressure 0-100 psi.
   b. Containment water level 0-10 ft.
   c. Containment Hydrogen via air samples (II.B.3). In addition, greater than 7 days is required before Hydrogen reaches 4% following a LOCA.

5. The Surveillance checks specified in taole 4.1-4 were selected to be consistent with the weekly checks for the normal range radiation monitors. This is appropriate in light of the likelihood of their use compared to that of the normal range monitors.

6. Surveillance frequencies for the Containment Hydrogen monitor are appropriate since the monthly test includes a calibration check at 1% and 10% Hydrogen using calibration gas. The refueling calibration uses 1%, 4% and 10% calibration gasses. The weekly check is consistent with action B requirement of table 3.5-3.

NO SIGNIFICANT HAZARDS CONSIDERATION

This TSCR provides additional TS to assure the operability of equipment installed to monitor variables important to post accident plant status assessment. This change represents an increase in requirements. Therefore this TSCR would not:

1. Alter probability of any accident previously evaluated and may be able to reduce the consequences of an accident.

2. Create the possibility of a different kind of accident, since the TSCR is administrative only.

3. Involve a reduction in the margin of safety, since it represents an increase in requirements.

IMPLEMENTATION

In order to finalize procedures to reflect revisions to this TSCR, an implementation period of 45 days is needed. The amendment approving this TSCR should be effective 45 days after approval by NRC.

AMENDMENT CLASSIFICATION (10 CFR 170.22)

This is a Class II amendment since it is administrative in nature. A check for $1,200.00 is attached.