

METROPOLITAN EDISON COMPANY
JERSEY CENTRAL POWER & LIGHT COMPANY
AND
PENNSYLVANIA ELECTRIC COMPANY
THREE MILE ISLAND NUCLEAR STATION, UNIT 1

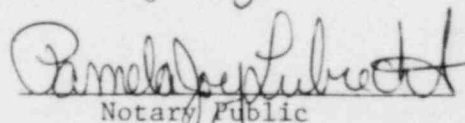
Operating License No. DPR-50
Docket No. 50-289
Technical Specification Change Request No. 106

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.

METROPOLITAN EDISON COMPANY

By 
Director, TMI-1

Sworn and subscribed to me this 23RD day of July, 1981.


Notary Public
PAMELA JOY LUBRECHT, Notary Public
Middletown, Dauphin County, Pa.
My Commission Expires August 29, 1983

Dated: July 23, 1981

Three Mile Island Nuclear Station, Unit 1
Operating License No. DPR-50
Docket No. 50-289

Technical Specification Change Request No. 106

The Licensee requests that the attached revised pages replace pages 3-32 and 3-37 of Table 3.5.1 of the existing Technical Specifications, Appendix A to the Operating License.

Reason for Change Request No. 106

This change will permit hot functional testing with reactor coolant pump heat prior to initial criticality for cycle 5 (Restart) and prior to completion of the rupture detection portion of the containment isolation modification for certain lines. Technical Specification change request 103 submitted previously will cover the completed containment isolation system.

Safety Analysis Justifying Change

Prior to Hot Functional Testing the High-High (30 psig) reactor building pressure instrument channels will be installed and tested. The Reactor Coolant Pump Seal return lines, Reactor Coolant Pump Motor Cooling Water (Nuclear Services closed cycle cooling water) and Intermediate Cooling water lines' isolation valves will receive closure signals from the 30 psig system and not the 4 psig system as current Technical Specifications require. These modifications are in accordance with the system described and approved by the staff in NUREG 0680 Supplement 3 Item 2.1.4 "Containment Isolation".

This TSCR is to permit Hot Functional Testing prior to cycle 5 criticality with the above modifications to the containment isolation system completed with the exception of the line break detection system which will be installed and tested prior to restart. In the unlikely event that this system is not complete, the 4 psig signal will be restored to the effected valves prior to initial criticality.

The reactor coolant pump seal return lines' isolation modification will be complete prior to hot functional testing since the line break detection system is not required per item 2.1.4 of NUREG 0680.

Hot functional testing with the Nuclear Services and Intermediate Closed Cooling water system having only the 30 psig isolation signal is justified on the basis that they are closed systems, thereby reducing the risk of release of radioactive materials to the environment. In the unlikely event of a need for containment isolation and the failure of High-High reactor building pressure instrument channels to close the isolation valves, manual isolation will be accomplished. Existing procedures require that the operator respond to decreasing surge tank levels for Intermediate Cooling and Nuclear Services Cooling (indicating a loss of system integrity) and take appropriate actions to isolate the systems if necessary.

Implementation

Licensee requests that the effective date be the date of issuance of this amendment

Licensee Fee (10 CFR Part 70.22)

The enclosed Technical Specification Change Request is submitted as an Administrative Change and the check for the required fee will be transmitted under a separate cover letter.

Implementation Time Period

It is requested that this Technical Specification Change Request be approved expeditiously in order that it may be implemented for Hot Functional Testing, which is currently scheduled for July 27, 1981.