

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 81-10

Docket No. 50-289

License No. DPR-50 Priority -- Category C

Licensee: Metropolitan Edison Company

P.O. Box 480

Middletown, Pennsylvania 17057

Facility Name: Three Mile Island Nuclear Station, Unit 1

Inspection at: Middletown, Pennsylvania

Inspection conducted: April 20-22, 1981

Inspectors: A. D. Sassani, Jr.

A.D. Sassani, Jr., Reactor Inspector

5-1-81
date signed

date signed

date signed

Approved by: S.D. Ebnetter

S.D. Ebnetter, Chief, Plant Systems
Section, Engineering Inspection Branch

5/5/81
date signed

Inspection Summary:

Inspection on April 20-22, 1981, (Report No. 50-289/81-10)

Areas Inspected: Routine, unannounced inspection by a region based inspector of documentation and records, associated with the Unit 1 Restart Program, including: electrical and instrumentation documents and records associated with incore thermocouples (Task RM-4) and valve position indication/acoustic monitoring (Task RM-6) modifications. The inspection involved 17 inspection hours on site by one NRC region based inspector.
Results: No item of noncompliance was identified.

DETAILS

1. Persons Contacted

General Public Utilities Nuclear (GPUN)

C. Davis, Modifications Control Coordinator
T. Faulkner, Supervisor, Modification Control
N. Hollerbush, QC Start-up Coordinator
T. Jacobsen, Lead QC, Instrumentation and Control
W. Shumaker, Lead QC, Electrical

Metropolitan Edison Company

*L. Harding, Supervisor of Licensing
I. Porter, Unit 1, Start-up and Testing
L. Zubey, Construction Manager

Catalytic Engineering and Constructors

T. Reddington, Field Superintendent, Unit 1
R. Thomas, Construction Work Package Coordinator

*denotes personnel present at exit interview.

2. Documentation Review

The inspector reviewed quality related documentation pertaining to modifications and engineering changes to ascertain whether applicable requirements have been met.

Documentation inspected for this determination include:

- Operational QA Plan, Revision 8
- Engineering Change Memorandum Procedure, EMP-008
- Station Administrative Procedure, AP-1043, Unit 1, Engineering Change Modifications
- Modification Control Group Instructions, No. MCG-1.

No item of noncompliance was identified.

3. Incore Thermocouples, (Task RM-4)

The requirements for this task are detailed in NUREG-0578, Page A-11, NUREG-0680, Page C8-14 and GPUN TMI-1 Restart Report, Section 2.1.1.6.3.1.

The inspector reviewed documents and records relative to the modification to ascertain whether applicable requirements have been met.

Documentation reviewed for this determination include:

- Engineering Change Memorandum, ECM-S002, Revisions 0, 1, and 2
- Engineering Change Memorandum, ECM-S009, Revision 0
- Engineering Change Memorandum, ECM-S012, Revisions 0, 1, 2, 3, and 4
- Engineering Change Memorandum, ECM-S157, Revision 0
- Purchase Order 86000, Cable.

During the review of documentation the inspector observed that ECM-S002, Revision 2 and ECM-S012, Revision 4 were designated to upgrade the modification to "Important to Safety" and add the following Quality Control (QC) requirements:

- a. QC installation inspection
- b. Verification that material installed is in accordance with purchase requisition.

While tracing the flow path of the ECM package, the inspector found the package in route to the QC coordinator and the additional QC requirements not implemented.

Because the additional QC requirements for installation inspection and material verification had not been performed, the inspector identified this as an inspector follow-up item.

This item will be the subject of a further review by an NRC inspector during a subsequent IE inspection (81-10-01).

4. Valve Position Indication/Acoustic Monitoring (Task RM-6)

The inspector reviewed documents and records relative to the modification to ascertain whether applicable requirements have been met.

Documentation reviewed for this determination include:

- Engineering Change Memorandum, ECM-S036, Revisions 0, 1, and 2
- QC Electrical Plant Inspection Report Log
- QC Status Log
- Modification Control Group Status Log.

During the review of documentation the inspector observed that ECM-S036, Revision 2 was designated to upgrade the modifications to "Important to Safety". The construction organization had not been notified at this time.

The inspector identified this item as an inspector follow-up item and will be the subject of a further review by an NRC inspector during a subsequent IE inspection (81-10-02).

5. Exit Interview

The inspector met with the licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on April 22, 1981. The inspector summarized the purpose, scope, and findings of the inspection.