

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

REGION I

Report No. 50-289/79-11

Docket No. 50-289

License No. DPR-50

Priority --

Category C

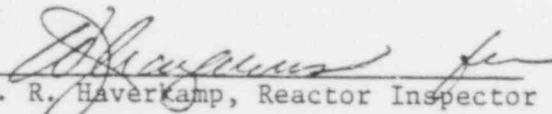
Licensee: Metropolitan Edison Company
Post Office Box 542
Reading, Pennsylvania 19640

Facility Name: Three Mile Island Nuclear Station, Unit 1

Inspection At: Middletown, Pennsylvania

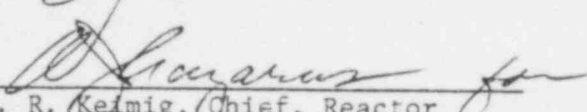
Inspection Conducted: April 19 and 21, 1979

Inspector:


D. R. Haverkamp, Reactor Inspector

5/30/79
Date Signed

Approved By:


R. R. Keimig, Chief, Reactor
Projects Section No. 1, RO&NS
Branch

5/30/79
Date Signed

Inspection Summary:

Inspection on April 19 and 21, 1979 (Report No. 50-289/79-11)

Areas Inspected: Routine, unannounced inspection of plant operations in a cold shutdown condition, including observation of control room activities and review of selected operating logs and records. The inspection involved 12 hours onsite by one NRC regional based inspector.

Results: No items of noncompliance were identified.

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DETAILS

1. Persons Contacted

Metropolitan Edison Company

Mr. M. Beers, Shift Supervisor
Mr. J. Masters, Control Room Operator
Mr. D. Pilsitz, Shift Foreman
Mr. W. Ream, ISI Coordinator
Mr. M. Ross, Unit 1 Supervisor of Operations
*Mr. J. Seelinger, Unit 1 Superintendent
Mr. H. Shipman, Operations Engineer/Shift Supervisor

The inspector also interviewed other licensee employees during the inspection including plant operators and general office personnel.

*Denotes those present at the exit interview on April 23, 1979.

2. Review of Plant Operations in Cold Shutdown

a. Background

On March 28, 1979, Unit 1 was in hot shutdown in preparation for startup following refueling, when a reactor incident occurred at Unit 2. Due to the uncertainties associated with the Unit 2 event, its impact upon Unit 1 operation, and the reduction of Unit 1 personnel resources to support Unit 2 incident operations, plant management directed that Unit 1 be taken to cold shutdown. The plant cool down was completed during March 29-30, 1979. The purpose of this inspection was to verify compliance with Technical Specification requirements for cold shutdown and to determine the ability to maintain Unit 1 in a stable condition based on satisfactory completion of applicable surveillance testing.

b. Shift Logs and Operating Records

The inspector reviewed the following logs and records.

-- Shift Foreman Log and Control Room Log Book; dated March 28 - April 19, 1979.

- Shift and Daily Checks; dated March 28 - April 10, 1979.
- OP 1102-11, "Plant Cooldown," Revision 19, dated March 22, 1979; completed during March 29-30, 1979.
- OP 1104-2, "Decay Heat Removal System," Revision 22, dated February 14, 1979 with TCNs 79-55 and 79-88; completed on March 30, 1979.
- SP 1300-38 A/B, "Decay Heat Removal Pump Functional Test and Decay Heat Removal System Valve Operability Test," Revision 8, dated January 24, 1979; completed on April 10, 1979.
- SP 1300-3C, "Decay Heat Closed Cooling Water Pumps Functional Test - Recirculation Mode," Revision 0, dated September 23, 1977; completed on April 3, 1979.
- SP 1300-3D, "Decay Heat River Water Pump Functional Test and Decay Heat River Valve Operability Test," Revision 2, dated February 6, 1979 with TCN 79-92; completed on April 17, 1979.

The logs and records were reviewed to verify the following items.

- The plant was taken to cold shutdown as described in paragraph 2.a.
- Systems required to maintain the plant in a stable condition while in cold shutdown were demonstrated operable, based on satisfactory completion of applicable surveillance testing.

Acceptance criteria for the above review included inspector judgment and requirements of applicable Technical Specifications and facility procedures. No items of noncompliance were identified.

c. Plant Tour

At various times during April 19 and 21, 1979, the inspector conducted tours of the following accessible plant areas.

- Control and Service Building
- Turbine Building
- Control Room
- Switchgear Rooms
- Inverter and Battery Rooms

The following observations and determinations were made.

- Control Room monitoring instrumentation for various components and parameters was observed on April 19, 1979, including safety and regulating group rods (fully inserted), decay heat removal temperature (93°F), "A" DH Cooler outlet temperature (93°F), pressurizer temperature (85°F), pressurizer level (377 inches), and reactor building pressure (14.2 Psia).
- The indicated positions of electrical power supply breakers and selected control board equipment start switches and remote-operated valves were observed. On April 19, 1979, the 1A DH River Pump, DH Closed Cooling Pump, and DH Removal Pump were operating.
- The Control Board was observed for annunciators that normally should not be lighted during the existing plant conditions. The reasons for the annunciators were discussed with control room operators.
- Control Room manning was observed on several occasions during the inspection. The shift turnover at 3:00 p.m. March 19, 1979 was observed.

Acceptance criteria for the above items included inspector judgment and requirements of 10 CFR 50.54(k), Regulatory Guide 1.114, and applicable Technical Specifications and facility procedures. No items of noncompliance were identified.

3. Exit Interview

The inspector met with the licensee representative (denoted in paragraph 1) after the conclusion of the inspection on April 23, 1979. The inspector summarized the purpose and scope of the inspection and the findings.