

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-341/85051(DRS)

Docket No. 50-341

License No. NPF-33

Licensee: Detroit Edison Company
2000 Second Avenue
Detroit, MI 48224

Facility Name: Enrico Fermi Nuclear Power Plant, Unit 2

Inspection At: Enrico Fermi 2 Site, Monroe, MI

Inspection Conducted: December 4-6, 1985

Inspector: *Roger Smeenge*
Roger Smeenge

12/18/85
Date

Approved By: *J J Hamis / for*
C. C. Williams, Chief
Plant Systems Section

12/18/85
Date

Inspection Summary

Inspection on December 4-6, 1985 (Report No. 50-341/85051(DRS))

Areas Inspected: Special unannounced inspection of licensee actions on work being performed in regards to the environmental qualification requirements of 10 CFR 50.49. The inspection involved a total of 23 inspector-hours onsite by one regional inspector.

Results: Of the areas inspected, no violations or deviations were identified.

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DETAILS

1. Persons Contacted

Detroit Edison Company

- *L. Simpkin, General Supervisor, Q/E
- *Q. Duong, Supervisor, EQ
- *J. Conen, Licensing Engineer
- P. Pierron, EQ Engineer
- L. Raisonem, EQ Engineer
- C. Emanuele, Materials Engineering Group
- J. Hamka, Materials Engineering Group

NRC

- P. Byron, Senior Resident Inspector
- *M. Parker, Resident Inspector

*Identifies those persons who attended the exit meeting on December 6, 1985.

2. Inspection Details

a. Documents Reviewed

The inspector reviewed the following documents which currently implement the licensee's program for review and approval of work performed and procurement of Environmentally Qualified (EQ) equipment:

- (1) NE-1.16.1, "The Engineering Evaluation of Stock and Non-Stock Items and Services," Revision 0, dated April 26, 1985
- (2) NE-3.9, "Preparation, Review and Approval of Engineering Design Packages (EDPs)," Revision 4, dated August 30, 1985
- (3) NOP-103, "Nuclear Safety Review Program," Revision 0, dated November 19, 1985
- (4) Procedure 7.2, "Q-List," Revision 1, dated August 6, 1985
- (5) Procedure 7.7, "Overview of the Environmental Qualification Program," Revision 0, dated June 6, 1985
- (6) Policy Letter EF2-68,607, "Equipment Qualification Requirements for QA-1 Electrical Spare/Replacement Parts," dated January 11, 1985
- (7) "Environmental Qualification of Safety Related Electric Equipment for Harsh Environments" (specific equipment qualification summaries)

b. Engineering Design Packages

At the time of this inspection, the licensee was performing a review of 273 Engineering Design Packages (EDPs) which were associated with the plant 21 safety-related systems that contain EQ equipment. This review was initiated by the licensee EQ group to ensure that all EDPs, issued to date, regarding EQ equipment had received the required reviews. The NRC inspector monitored this licensee review and was appraised of progress throughout the course of this inspection. Prior to the exit meeting on December 6, 1985, the licensee had completed their review. Of the 273 EDPs reviewed by the licensee, 180 were identified as not requiring EQ review due to the following: 20 were cancelled, 106 were nonsafety-related applications, 53 were for equipment that was not required to operate in an accident environment, and 1 was combined with another EDP. Of the 93 remaining, 48 were completed EDPs with evidence of the required EQ review and 45 were not yet issued or required beyond a Potential Design Change (PCD).

The inspector reviewed seven completed EDPs for EQ equipment. One EDP reviewed, relocated a transmitter from a harsh to mild environment and the other six replaced unqualified equipment, located in a harsh environment, with qualified equipment. The seven packages had documented reviews by the QE group and sign off by Quality Assurance (QA) for hold points and completed work.

c. Purchase Requisitions Reviewed

The NRC inspector reviewed ten purchase requisitions for equipment identified on the Q-List (identifies plant safety-related equipment). The nine which required EQ had been reviewed by the licensee and the EQ requirements identified on the associated equipment qualification summaries sheets were included in the purchase requisitions. Replacement equipment which had initially been qualified to NUREG-0588, Category II was upgraded to Category I as required by 10 CFR 50.49.

3. Inspection Results

In this limited scope EQ inspection no violations or deviations were identified. A more detailed EQ inspection is scheduled for mid-1986.

4. Exit Interview

The inspector met with the licensee representatives (denoted in Persons Contacted) at the conclusions of the inspection on December 6, 1985. The inspector summarized the purpose and findings of the inspection, which were acknowledged by the licensee. The inspector also discussed the likely informational content of the inspection report with regard to documents or processes reviewed by the inspector during the inspection. The licensee did not identify any such documents/processes as proprietary.