

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-341/88015

Docket No. 50-341

License No. NPF-43

Licensee: The Detroit Edison Company
2000 Second Street
Detroit, MI 48224

Facility Name: Fermi 2

Inspection At: Monroe, Michigan

Inspection Conducted: April 27-29, 1988

Inspector: H. A. Walker *H. A. Walker*

5-24-88
Date

Approved By: *F. J. Jablonski*, Chief *Wayne Kump*
Maintenance and Outages Section

5-24-88
Date

Inspection Summary

Inspection on April 27-29, 1988 (Report No. 50-341/88015(DRS))

Areas Inspected: Routine, announced inspection of maintenance activities conducted at the end of the planned LLRT outage. Selected portions of Inspection Procedures 62700 and 62702 were utilized.

Results:

- No violations or deviations were identified.
- Accomplishment and effectiveness of maintenance had improved but continued management involvement and support are needed to reach and maintain an acceptable level of effectiveness.
- Maintenance work during the LLRT outage greatly reduced the backlog of both corrective and preventive maintenance.
- A substantial number of PMs were completed during the outage which greatly reduced the number of overdue PMs that had never been performed.
- The need for improvement in the content and quality of PM work instructions was still evident.

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DETAILS

1.0 Persons Contacted

Detroit Edison Company

- *W. Orser, Vice President Nuclear Operations
- *P. Anthony, Compliance Engineering
- *D. Gipson, Plant Manager
- *L. Goodman, Licensing Supervisor
- *R. Lightfoot, Maintenance Support Supervisor
- *R. May, Maintenance/Modifications Superintendent
- *R. Stafford, Director of Nuclear QA
- *B. Wickman, Preventive Maintenance Coordinator

*Indicates those personnel who attended the exit meeting on April 29, 1988.

2.0 Evaluation of Maintenance

The purpose of this inspection was to followup the March 7-25, 1988 inspection (50-341/88007) and to evaluate the material condition of the plant at the conclusion of the 1988 Local Leak Rate Test (LLRT) outage.

The inspection consisted of reviews of documents and records and discussions with personnel.

2.1 Maintenance Status and Backlog

The inspector reviewed the status and backlog of both corrective maintenance (CM) and preventive maintenance (PM) items carried over from the outage. At the end of the outage, as of April 29, 1988, there were 1950 work requests not field complete. Of these, 518 were corrective work requests with 165 requiring an outage; 353 were PMs, and the balance consisted of non-production, EDP, shop orders or miscellaneous non-safety work requests. These outstanding work requests did not appear to adversely affect plant safety, operability, or reliability.

2.1.1 Preventive Maintenance

At the start of the LLRT outage there were 861 priority "A" PMs scheduled to be worked during the outage; 126 PM tasks were later added and 76 were rescheduled from the outage (with adequate justification) leaving a total of 911 to be worked during the outage. Of these 911, eight were not completed; none of which required an outage for completion; therefore, the LLRT outage was a success in terms of completing priority "A" items.

2.1.1.1 Deferred PM Tasks

Twenty-five percent of the required PMs for 4160 and 480 volt switchgear were performed and no problems were identified. Seventy-six PM tasks were deferred beyond the LLRT outage

and rescheduled. The inspector reviewed 10 licensee evaluations covering 23 of the PM tasks for the significance and possible impact of deferring the remaining switchgear PMs. For event R357, task No. TE 1041 on 480 volt switchgear, the inspector noted several problems with one breaker. The inspector was informed that the PM event involved cleaning and testing the switchgear busses but not the breakers even though procedure MI-E0003, "480 Volt Switchgear - Breaker and Relay Control" was referenced on the PM task description. It was evident that the PM work was not adequately described since breaker work was not involved. Inadequate description of PMs had been previously identified by the licensee and was on a list of items to be done in the PM program. Review and necessary revision of PM task descriptions are expected to be completed by the end of July 1988. With this one exception, no other problems were identified with the deferral of PM tasks.

2.1.1.2 Vendor Manual Review

The licensee had established a task force for review of vendor manuals to ensure that vendor recommendations were addressed in PM tasks. The task force was dissolved with 4507 of approximately 5000 reviews completed. The remaining reviews will be completed as the respective PM dates come due. Based on results of the inspector's review there is no reason to believe that the reviews will not be accomplished. This matter will be routinely reviewed during subsequent inspections.

3.0 Conclusions

Based on the inspection the inspector concluded that:

- Accomplishment and effectiveness of maintenance had improved but continued management involvement and support are needed to reach an acceptable level of effectiveness.
- Maintenance work during the LLRT outage greatly reduced the backlog of both corrective and preventive maintenance.
- A substantial number of PMs were completed during the outage which greatly reduced the number of overdue PMs that had never been performed.
- The need for improvement in the content and quality of PM work instructions was still evident.

4.0 Exit Meeting

The inspectors met with licensee representatives (denoted in Paragraph 1) on April 29, 1988 and summarized the purpose, scope, and findings of the inspection. The inspectors discussed the likely informational content of the inspection report with regard to documents or processes reviewed by the inspectors during the inspection. The licensee did not identify any such documents or processes as proprietary.