

September 27, 1996

Mr. E. E. Fitzpatrick  
Senior Vice President  
Nuclear Generation Group  
American Electric Power Company  
500 Circle Drive  
Buchanan, MI 49107-1395

SUBJECT: ANNOUNCEMENT OF SAFETY SYSTEM FUNCTIONAL INSPECTION

Dear Mr. Fitzpatrick:

This is to inform you that the NRC will perform a safety system functional inspection (SSFI) at the Donald C. Cook Nuclear Generating Plant. We have chosen the centrifugal charging system portion of the emergency core cooling systems (ECCSs) as the primary focus and residual heat removal system as a secondary focus for this SSFI. The inspection will be performed according to NRC Inspection Procedure 93801, "Safety System Functional Inspection." The inspection's onsite activities are scheduled for the weeks of November 12-14 (pre-inspection), November 18-22, and December 2-6, 1996.

The inspection will assess design, operation, maintenance, surveillance, quality assurance, and corrective actions associated with the ECCSs. To accomplish these objectives, the SSFI team will review a broad range of information and system activities.

In order to more effectively perform this task, the SSFI team would like to have any preliminary information (enclosed list) made available during the week of November 12, 1996.

Following the entrance on November 18, 1996, the team would appreciate a short systems overview presentation followed by a general plant tour of the control room, centrifugal charging system, safety injection system, residual heat removal system, and the emergency diesel generators.

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E. E. Fitzpatrick

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If you have any questions regarding the information on the enclosure, or on the inspection itself, please contact David S. Butler at (630) 829-9720.

Sincerely,

Original Signed by Mark A. Ring

Mark A. Ring, Chief  
Lead Engineers Branch

Docket No. 50-315

Docket No. 50-316

Enclosure: As stated

cc w/encl: A. A. Blind, Site Vice President  
John Sampson, Plant Manager  
James R. Padgett, Michigan Public  
Service Commission  
Michigan Department of  
Public Health

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Enclosure

SSFI Information Request

1. Emergency core cooling systems (ECCSs) design bases document (DBD) (six copies) and a complete set of the updated final safety analysis report (available for use).
2. Certified pump curves and IST information (available for review).
3. Cross-sectional drawings of major equipment such as pumps and heat exchangers (available for review).
4. P&IDs and electrical prints of the ECCSs, and any connected auxiliary systems (three sets).
5. ECCS licensing requirements and commitments, if not already in the UFSAR (available for review).
6. ECCS analyses supporting single active failure adequacy (available for review).
7. ECCS flow data for system components and heat transfer data for heat exchangers and coolers for various modes of operation (available for review).
8. Water hammer or surge pressure protection information (available for review).
9. A list of modifications to the ECCS systems (completed and proposed).
10. System operating procedures for system alignment, operations, and abnormal conditions or emergency response (one copy).
11. System response procedures, i.e. those procedures for responding to and evaluating control room or local alarms (one copy).
12. Training information for licensed and non-licensed operators including lesson plans, training text, handout material, and task performance measures (available for review).
13. A list of preventive and corrective maintenance procedures for the ECCS systems, support systems, related instrumentation, and power supplies.
14. Vendor manuals for the major ECCS components (provide a list and have manuals available for review).
15. Maintenance history for the major ECCS components over the last two years.
16. Information on ECCSs regarding equipment reliability and availability for the last two years.

Enclosure

17. A listing of ECCSs maintenance backlogs, both corrective and preventive, outage and non-outage.
18. A listing of any ECCSs maintenance activities scheduled during the inspection.
19. Training information for maintenance personnel in regard to activities performed on the ECCSs (available for review).
20. A copy of the completed ECCSs preoperational test procedure(s).
21. A copy of recently completed ECCSs surveillance procedures.
22. A listing of system scheduled surveillances, including due date, critical date, and date the surveillance was last performed.
23. A listing of any ECCSs surveillances scheduled during the inspection.
24. List of ECCSs operator work-arounds and plans for resolution.
25. Results of RHR heat exchanger testing, if performed.
26. Copy of any ECCSs Quality verification activities (surveillance and audits) performed over the last two years.
27. Onsite and offsite review committee meeting minutes for the past six months.
28. Copy of any ECCSs Condition reports issued over the last two years.
29. Provide the risk assessment criteria used when removing ECCSs from service for on-line maintenance activities.
30. A complete listing of the maintenance backlog, both corrective and preventive, outage and non-outage.