



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 47 TO FACILITY OPERATING LICENSE NO. NPF-43

DETROIT EDISON COMPANY

WOLVERINE POWER SUPPLY COOPERATIVE, INCORPORATED

FERMI-2

DOCKET NO. 50-341

1.0 INTRODUCTION

By letter dated November 15, 1988, the Detroit Edison Company (DECO or the licensee) requested amendment to the Technical Specifications (TSs) appended to Facility Operating License No. NPF-43 for Fermi-2. The proposed amendment would change the Technical Specifications to clarify the location of the noble gas monitor in the Fermi-2 offgas system. In addition, the term "HOT STANDBY" in the action statement of Section 3.11.2.7 of the TSs would be replaced by "STARTUP, with all main steamlines isolated."

2.0 EVALUATION

Section 3/4.11.2.7 of the Fermi-2 TSs provides a limiting condition for operation (LCO) and surveillance requirements (SR) for the gross radioactivity rate of noble gases from the main condenser.

The original plant TSs did not correctly indicate the location of the noble gas monitor for the main condenser. The proposed amendment will provide a more accurate description of the monitor in question.

The change of terminology from "at the main condenser steam jet air ejector" to "at the discharge of the 2.2 minute delay piping" does not change the monitor being used for this function. The monitor at the discharge 2.2 minute delay piping is the monitor reviewed by the staff in the Fermi-2 Safety Evaluation Report (NUREG-0798) to measure noble gas activity from the main condenser released via the offgas system and is included in TS 3/4.3.7.12, Radioactive Gaseous Effluent Monitoring Instrumentation. This proposed change is administrative in nature and has no effect on safe plant operation.

The proposed amendment also would change the term "HOT STANDBY" to "STARTUP, with all main steam lines isolated" in the TS action statement. The term "HOT STANDBY" is not defined in the Fermi-2 TSs. The proposed wording retains the intent of reducing the power level of the reactor in order to reduce noble gas production in the reactor core following a fuel failure and stopping the noble gas release by isolating the main steamlines.

The proposed changes provide clarification to the TSs. The changes provide clearer guidance for monitoring the gross radioactivity rate of noble gases from the main condenser and they require actions to be taken if the radioactivity rate is greater than the LCO in the TSs. The changes are administrative in nature and do not change the intent of the TSs or affect the safe operation of the plant. Based on the above evaluation, the staff finds the proposed changes acceptable.

### 3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves changes in requirements with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impacts statement or environmental assessment need be prepared in connection with the issuance of this amendment.

### 4.0 CONCLUSION

We have concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

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Date: December 4, 1989