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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION SUPPORTING AMENDMENT NO. 1 TO LICENSE NO. NPF-3 THE TOLEDO EDISON COMPANY AND THE CLEVELAND ELECTRIC ILLUMINATING COMPANY DAVIS-BESSE NUCLEAR POWER STATION, UNIT 1 DOCKET NO. 50-346

INTRODUCTION

By telecopy dated May 20, 1977, the Toledo Edison Company requested a change in the Technical Specifications appended to Facility Operating License No. NPF-3 for the Davis-Besse Nuclear Power Station, Unit 1. The proposed change allows as a limiting condition for operation in Modes 3, 4 and 5 that all reactor coolant pumps and decay heat removal train pumps can be de-energized for up to one (1) hour to accommodate decay heat removal pump switching operations, provided no operations are permitted which could cause dilution of the reactor coolant system boron concentration.

DISCUSSION

The Davis-Besse Nuclear Power Station, Unit 1 facility Operating License No. NPF-3 conditions Part (3), item (1), together with Appendix "A" Technical Specification 3.4.1, item (a) for Modes 3, 4 and 5 imposed an operating restriction preventing the completion of the Toledo Edison Company's preoperational test program required prior to entering Mode 4(hot shutdown). The identified conditions precluded the applicant's ability to transfer operation from one decay heat removal train to the other which is necessary to complete several testing program requirements.

The proposed changes to the technical specifications will allow the Toledo Edison Company to accommodate decay heat removal pump switching operations for preoperational testing in Modes 3, 4 and 5.

EVALUATION

We recognize that there will be brief periods of time required for transferring from one decay heat removal train to the other train for the purposes of preoperational testing. The change in Technical Specification 3.4.1, item (a) of action Modes 3, 4 and 5 does not involve any increase in the probability or consequences of accidents previously considered in our Safety Evaluation Report, Supplement 1 to the Safety Evaluation Report and the Final Safety Analysis Report where analysis shows that the reactor coolant system without reactor coolant pumps operating will provide natural circulation flow capable of assuring conservative heat transfer capability for core cooling and decay heat removal. Also, we have required that no operations be allowed during decay heat removal pump switching operations which could cause an inadvertent dilution of the reactor coolant system boron concentration.

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant hazards consideration, 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.

Date: May 20, 1977