

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 4 TO LICENSE NO. NPP-3

TOLEDO EDISON COMPANY

AND

CLEVELAND ELECTRIC ILLUMINATING COMPANY

DAVIS-BESSE NUCLEAR POWER STATION, UNIT 1

DOCKET NO. 50-346

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INTRODUCTION

By letter dated June 24, 1977, the Toledo Edison Company requested changes in the technical specifications appended to Facility Operating License, NPP-3, for the Davis-Besse Nuclear Power Station, Unit 1. The requested changes to the technical specifications are required to reflect the proper allowable values and surveillance requirements for the steam generator level transmitters which have been installed in lieu of the steam generator level switches in the facility steam and feedwater rupture control system.

DISCUSSION

The Toledo Edison Company specified that the following changes are required to properly address the allowable values and surveillance requirements for the newly installed steam generator level transmitters: (1) Table 3.3-11 on Page 3/4 3-25 and Page 3/4 3-26 be changed to show the new level switch numbers, (2) Table 3.3-12 on Page 3/4 3-28 be changed to show that the allowable Value for Functional Unit 2 is greater than or equal to (\geq) 20 inches of water and greater than or equal to (\geq) 16.37 inches water for the Channel calibration, and (3) Table 4.3-11 on Page 3/4 3-30 be changed to show a Channel Calibration frequency for Item 1b of once every 18 months (R) instead of once every 92 days (Q).

The Toledo Edison Company states that the requested changes to the technical specifications are required prior to facility operation in Mode 3 (not standby) since the steam generator level switches which have been replaced are not presently functional

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EVALUATION

Attachment 2, item E.1, to Facility Operating License, NPF-3, stipulates that the four steam generator level switches in each steam generator inside containment be replaced with four steam generator level transmitters prior to proceeding to facility operation in Mode 2 (startup).

The allowable value for channel calibration of greater than or equal to 18.87 inches of water instead of the greater than or equal to 20.0 inches of water is based on an allowance of 1.13 inches for transmitter drift over an 18 month period as determined by qualification testing of the steam generator level transmitters. Based on our review of the modified system, we have concluded that the allowance for transmitter drift is acceptable.

The change in the frequency of channel calibration to once per 18 months instead of once per 92 days is based on recommendations contained in IEEE 279-1971, and is acceptable.

Therefore, based on our evaluation as set forth in this report and on our evaluation and findings as delineated in our Safety Evaluation Report and Supplement No. 1, Section 7.4.1(4), we find the Toledo Edison Company's request for technical specification changes, as discussed above and specifically relating to the recently installed steam generator level transmitters, to be acceptable.

ENVIRONMENTAL CONSIDERATION

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) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered or a significant decrease in any safety margin, it does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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. Also, we reaffirm our conclusions as otherwise stated in our Safety Evaluation Report.

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