



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 200 TO FACILITY OPERATING LICENSE NO. NPF-3
TOLEDO EDISON COMPANY
CENTERIOR SERVICE COMPANY
AND
THE CLEVELAND ELECTRIC ILLUMINATING COMPANY
DAVIS-BESSE NUCLEAR POWER STATION, UNIT NO. 1
DOCKET NO. 50-346

1.0 INTRODUCTION

By letter dated April 10, 1995, the Toledo Edison company, Centerior Service Company, and the Cleveland Electric Illuminating Company (the licensee) proposed changes to the Davis-Besse Nuclear Power Station (DBNPS) license. The proposed changes revise Technical Specification (TS) 3/4.7.1.2, "Auxiliary Feedwater System," to provide additional clarity for Action "a" and remove references to pressure indicators and specific pressure readings; TS 3/4.7.1.3, "Condensate Storage Tanks," to modify the Limiting Condition for Operation (LCO) to more closely conform to standard TS; and TS 3/4.7.1.7, "Motor Driven Feedwater Pump System," and its associated Bases to consolidate the requirements of 2 of the current surveillance requirements and clarify operability requirements when the local manual valves are realigned for testing purposes.

2.0 EVALUATION

The proposed change to the Auxiliary Feedwater System (AFWS) LCO, TS 3.7.1.2.a, revises the scope from "with one train of auxiliary feedwater inoperable to either steam generator" to "with one train of auxiliary feedwater inoperable to either or both steam generators." This change clarifies the LCO to adequately reflect the DBNPS AFWS design.

Surveillance Requirement (SR) 4.7.1.2.1 a is proposed to more closely adopt the general wording and the intent of the performance based specifications of NUREG-1430, "Improved Standard Technical Specifications for B&W Plants" by deleting from the TS the specific values of pressure and the instrumentation used to measure pressure. Modifications to the AFWS pumps requires higher differential pressure than is currently specified in the TS. Adherence to this higher differential pressure is currently controlled by test procedures. Additionally, the test must be performed prior to Mode 2. Since the testing in Mode 3 requires adequate steam generator steam supply pressure to the

auxiliary feedwater pumps, the testing need not start prior to reaching 800 psia main steam pressure. The staff finds these changes are acceptable.

There are 3 proposed changes to TS bases Section 3/4.7.1.2, "Auxiliary Feedwater System." The first proposed change adds a paragraph which describes the nonsafety related condensate storage tank as the primary source of water for the AFWS pumps and the safety-related service water system as the secondary water source. The proposed bases section describes the instrumentation that governs the transfer between the primary and secondary water sources and provides the bases for SR 4.7.1.2.1 e, which requires testing of both the low and the low-low auxiliary feedwater pump suction pressure interlocks. The second change to the Bases reflects the proposed clarification made to TS 3.7.1.2 by adding a statement that the AFWS must be OPERABLE but the AFWS is not designed for feeding both steam generators simultaneously from one train. The third proposed change adds a paragraph to the Bases to describe the requirements that must be met if the local manual valves are realigned.

The proposed changes to LCO 3.7.1.3 include changing the word "demonstrate" with the phrase "verify by administrative means" and moves the verification of the service water system as a backup supply to the AFWS from the SR to the LCO. The first changes are in keeping with the staff's meaning of "demonstrate" since the proper alignment of valves is the primary means of assurance to the flow path. The second change clarifies the actions that must be taken as an LCO and deletes the SR.

The licensee proposes to move the motor driven feedwater pump periodic testing requirement from 4.7.1.7 a to 4.7.1.7 c. Additionally, a paragraph is proposed for Bases 3/4.7.1.7 to describe the requirements that must be met if the local manual valves are realigned.

The staff has reviewed all the proposed changes to the AFWS and Condensate System TS and Bases and concludes that they are acceptable since they clarify system operation and surveillance and increase the description in the Bases to eliminate possible misinterpretation.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Ohio State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

This amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 or changes a surveillance requirement. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluent 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 the amendment involves no significant hazards consideration and there has been no public comment on such finding (60 FR 39453). Accordingly, the 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 impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

5.0 CONCLUSION

The staff has 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) 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: September 5, 1995