



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 211 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 February 5, 1996, the licensees propose revising the Technical Specifications (TS) for Davis-Besse, Unit 1, which clarify TS 3/4.3.2.1, Table 3.3-3, Safety Features Actuation System (SFAS) Instrumentation and the associated bases to reflect accurately the designs and actuation logic of the diesel generator load sequencer and the essential bus undervoltage relays.

2.0 EVALUATION

The license amendment proposes revisions to Table 3.3-3 of Technical Specification 3/4.3.2.1, Safety Features Actuation System Instrumentation, for Functional Unit 4.a Sequencer, Functional Unit 4.b Essential Bus Feeder Breaker Trip (90%), Functional Unit 4.c Diesel Generator Start, Load Shed on Essential Bus (59%), and the associated Bases to clarify their design and actuation logic.

Functional Units 4.a, 4.b, and 4.c are designed to provide protection and actuation of a single train of safety features equipment, essential bus or emergency diesel generator. Collectively, the functional units function to detect a degraded voltage condition on either of the two 4160 volt essential buses, shed the connected loads, disconnect the affected buses from the offsite power source and start the associated emergency diesel generator. If a SFAS actuation signal is present under degraded voltage conditions, the sequencer channels for the two SFAS channels which actuate the train of safety features equipment powered by the affected bus will automatically sequence these loads onto the bus to prevent overloading of the emergency diesel generator. Functional Unit 4.a has a total of four units, one associated with

each SFAS channel (i.e. two for each essential bus). Functional Units 4.b and 4.c each have a total of four units (two associated with each essential bus).

The TS Action Statement for Functional Unit 4 is revised to be Action 15, which states that with the number of operable units one less than the minimum number of units operable per bus, place the inoperable unit in the tripped condition within one hour. For Functional Unit 4.a, the sequencer shall be placed in the tripped condition by physical removal of the sequencer module. The inoperable functional unit may be bypassed for up to 2 hours for surveillance testing per Specification 4.3.2.1.1. With the number of operable units two less the minimum number of units operable per bus, declare inoperable the emergency diesel generator associated with the functional unit not meeting the required minimum units operable and take the Action required of Specification 3.8.1.1.

Based on the above, the staff concludes that the proposed TS revisions are merely clarifications based on the actual SFAS design, and do not alter the original intent of the approved TS. The licensees' proposed revision of the TS Section for SFAS is, therefore, acceptable.

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 (61 FR 10397). 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.

Principal Contributor: F. Gee

Date: April 23, 1996