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Docket No. 50-346

License No. NPF-3

Serial No. 1289

July 22, 1986

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Denton:

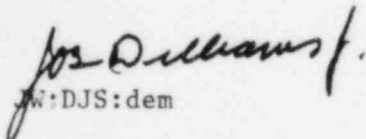
The Toledo Edison Company is submitting, pursuant to 10CFR50.71, one (1) original plus twelve (12) copies of Revision 4 to the Updated Safety Analysis Report (USAR) for the Davis-Besse Nuclear Power Station, Unit No. 1.

USAR Revision 4 reflects facility modifications implemented between January 22, 1985 and January 22, 1986, and corrects discrepancies which have been discovered in the USAR including editorial errors. Attachment 1 provides a brief summary of the changes made in this revision.

Toledo Edison's program for the environmental qualification of electric equipment important to safety as described in Section 3.11 of the USAR, is currently being upgraded. USAR Section 3.11 will be updated no later than the next annual USAR revision to reflect the upgraded Toledo Edison program.

Information contained in Revision 4 to the USAR is accurate to January 22, 1986. Please insert the Revision 4 material, dated July, 1986, into the Updated Safety Analysis Report as per the attached Revision 4 Instruction Sheet.

Very truly yours,


JW:DJS:dem

Enclosure

cc: DB-1 NRC Resident Inspector, w/o

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ATTACHMENT 1
SUMMARY OF USAR REVISION 4 CHANGES

- Chapter 1 Replaced comparison between Davis-Besse and other plants with reference to Final Safety Analysis Report.
- Chapter 5 Replaced specific Reactor Coolant System (RCS) setpoints with Technical Specification references.
- Added a description of the Reactor Coolant Drain Tank.
- Chapter 6 Added analysis of the Containment Vessel's response to a negative pressure transient.
- Revised description of the Safety Features Actuation System (SFAS) to specify manual transfer of Containment Spray pump suction from BWST to the Emergency Sump.
- Added description of administrative controls requiring the removal of power from Decay Heat Removal System valves DH 11 and DH 12 when in Modes 1, 2, and 3.
- Chapter 7 Revised description of SFRCS steam generator to feedwater differential pressure measurement.
- Clarified Integrated Control System (ICS) and Control Rod Drive Control System (CRDCS) function and operation.
- Added description of Hot Leg Level Monitoring System.
- Chapter 8 Added description of changing bus tie transformer taps to avoid over-voltage with the plant off the electric grid system.
- Added the description of the bypass of the 90% undervoltage relays to prevent tripping of the relays when Reactor Coolant pumps are started.
- Chapter 9 Added description and evaluation of ventilation for: Battery Rooms, Low Voltage Switchgear Rooms, Emergency Diesel Generator Rooms, Auxiliary Feedwater (AFW) Pump Rooms, Component Cooling Water Pump Rooms, and the Service Water Pump Room.
- Added description of Auxiliary Feedwater System flow indication.

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Deleted temperature requirements for Station discharge since these requirements were deleted from the Technical Specifications.

Updated information on both the Station and Instrument Air System alarm setpoints and testing requirements.

Chapter 10 Revised description of the chlorine detectors.

Revised description of Main Steam Isolation Valve and Atmospheric Vent Valve tests.

Revised description of radiation detectors in the Station vent.

Added description and drawing of Chemical Feed System.

Chapter 11 Updated the description of the Environmental Monitoring Program.

Added description of the oxygen/hydrogen monitor located in the waste gas surge tank.

Updated the description of the requirements for the decay of waste gas.

Updated the monitoring points and frequency for radiation monitoring.

Revised description of the solid waste compactors.

Chapter 12 Revised description of area radiation monitors.

Updated Health Physics Program description.

Chapter 13 Revised organization charts and position descriptions.

Updated Training Program description.

Updated description of Security Program.

Chapter 17 Replaced entire Section 17.2 with NQAM inserted as Appendix 17A.

SUBMITTAL OF REVISION 4
TO
THE DAVIS-BESSE UPDATED SAFETY ANALYSIS REPORT (USAR)
FOR
DAVIS-BESSE NUCLEAR POWER STATION
UNIT NO. 1

Enclosed are thirteen (13) copies of Revision 4 to the Davis-Besse Nuclear Power Station, Unit No. 1, Updated Safety Analysis Report.

By: Joe Williams, Jr.
Senior Vice President, Nuclear

Sworn and subscribed before me this 22nd day of July, 1986.

Patricia L. Fowler
Notary Public

My commission expires 5/18/91