



TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-90

DATE OF EVENT: November 29, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Failure of TE RC3A2 causing a high temperature and temperature/pressure trip of Reactor Protection System (RPS) Channel 4.

Conditions Prior to Occurrence: The unit was in Mode 3 with Power (MWT) = 0 and Load (Gross MWE) = 0.

Description of Occurrence: On November 29, 1981 at 1525 hours, it was discovered that TE RC3A2 had failed. This caused the input to RPS Channel 4 to fail high which caused the channel to trip on high temperature and temperature/pressure. This failure was discovered by the operators. The channel was declared inoperable under Technical Specification 3.3.1.1 and Maintenance Work Order IC-741-81 was issued to troubleshoot and repair the problem.

Designation of Apparent Cause of Occurrence: The cause of this occurrence was the failure of temperature element 3A2. Upon investigation, it was determined that the element had opened causing a high input into the RPS.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The plant was in Mode 3 at the time, and Channels 1, 2, and 3 were available for indication.

Corrective Action: Facility Change Request 81-305 was written and accomplished which transferred the input to the RPS from element 3A2 to the spare element 3A1 located in the same heater well. An alignment and string check were performed in accordance with Bailey Product Instruction E92-351 and Surveillance Test ST 5030.06. Following alignment, applicable portions of ST 5030.02 were performed and upon satisfactory completion, RPS Channel 4 was declared operable at 1350 hours on December 3, 1981. Tsat input from element 3A1 was lost with this change. The RTD will be replaced during the 1982 Refueling Outage as part of a future supplement to Facility Change Request 81-305.

Failure Data: There are no previous failures of this type.

LER #81-075