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REPORT SOURCE

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DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

DVR 81-132 NAME OF PREPARER Tom Isley PHONE: (419) 259-5000, Ext. 23

TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-65

DATE OF EVENT: September 15, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Borated Water Storage Tank (BWST) Channel 2 level transmitter out of calibration

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 2756 and Load (Gross MWE) = 911

Description of Occurrence: On September 15, 1981 at 1055 hours during the performance of Surveillance Test ST 5031.05 on Safety Features Actuation System (SFAS) Channel 2, it was discovered that the BWST level transmitter was out of calibration. With a simulated input of 96 inches, the analog amp output was 1.707 volts which is equivalent to 114.8 inches. This placed the unit in the action statement of Technical Specification 3.3.2.1. Channel 2 BWST level was declared inoperable and placed in a tripped condition within one hour.

When returning the transmitter to service after recalibration, the Instrument and Control mechanic discovered that the Dragon valve was obstructed. Maintenance Work Order 81-3455 was issued to repair the Dragon valve. There were no unit power reductions.

Designation of Apparent Cause of Occurrence: The cause of the occurrence was determined to be component failure. The transmitter calibration zero adjust drifted causing the out of tolerance reading. The obstruction in the Dragon valve was caused by the internals sticking.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The remaining three BWST level channels were operable.

Corrective Action: The transmitter was recalibrated under Surveillance Test ST 5031.05, and the faulty valve was corrected by replacing the internals of the Dragon manifold valve under Maintenance Work Order 81-3455. The transmitter was returned to service and declared operable at 1405 hours on September 21, 1981. Channels 1, 3, and 4 were checked and found to be in calibration.

Failure Data: There have been no previous occurrences of the inoperability of a BWST level transmitter due to instrument drift.

LER #81-056