

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
REPORTABLE OCCURRENCE NP-09-79-02

DATE OF EVENT: January 4, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: RE 8432, Service Water System Header Outflow Radiation Monitor, was inoperable

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2734, and Load (Gross MWE) = 912.

Description of Occurrence: At 2000 hours on January 4, 1979 during performance of ST 5032.01, "Monthly Functional Test of the Radiation Monitoring System", it was discovered that RE 8432 had a low flow light. The monitor was thus inoperable. The unit was not in compliance with Environmental Technical Specification (ETS) Table 2.4-3, which requires the operability of one continuous Service Water System monitor. No Action Statement was applicable.

Designation of Apparent Cause of Occurrence: The apparent cause of the occurrence is component deficiency due to design error. There is not enough pressure differential to maintain correct sample flow in all modes of operation of the Service Water System. The flow switch tends to stick, and will not operate when there is insufficient flow to keep it flushed out.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. RE 1412 and RE 1413 in Component Cooling Lines 1 and 2, respectively, are upstream from RE 8432 and would indicate activity if any were present. RE 1412 and RE 1413, as well as weekly grab samples, have never indicated any leaks.

Corrective Action: On January 4, 1979, the flow switch on RE 8432 was replaced and ST 5032.02, "Radiation Monitoring System Channel Calibration" was completed. ST 5032.01 was then resumed, but the RE was again found to be inoperable due to low flow conditions. The RE remains inoperable as of January 29, 1979. Implementation of Facility Change Request 78-503 is expected to resolve this problem. Facility Change Request 78-503 requests either the addition of a sample pump to attain correct flow through the RE, or reroute the sample outflow to a floor drain with a regulating valve.

Failure Data: This is a repetitive occurrence. There has been one previous report on the inoperability of RE 8432, Licensee Event Report NP-09-78-01.

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