

CONTROL BLOCK: 

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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)7 87 8

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TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-83-13

DATE OF EVENT: February 7, 1983

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Failure of Auxiliary Feed Pump 1 Steam Isolation Valve MS106A

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2752.5 and Load (Gross MWE) = 916

Description of Occurrence: On February 7, 1983 at 1430 hours during the performance of the Auxiliary Feedwater System Channel Functional Test, ST 5071.04, isolation valve MS106A failed to close electrically, which made Auxiliary Feedwater Train 1 inoperable. This placed the station in the action statement of Technical Specification 3.7.1.2 which requires the inoperable system be restored within 72 hours or be in Hot Shutdown in 12 hours.

Designation of Apparent Cause of Occurrence: The apparent cause of this occurrence was the valve torquing out due to a dirty and improperly lubricated valve stem.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. Auxiliary Feedwater Train 2 was operable during the time of this occurrence.

Corrective Action: Maintenance Work Order 83-1832 was issued to investigate the control scheme. The torque and limit switches were inspected and found to be set correctly. It was observed that the valve stem was dirty and lacked lubrication. The drive nut was caked with hard dirty grease. The valve stem and drive nut were cleaned and lubricated, and the valve cycled electrically. The applicable portions of Surveillance Test ST 5071.04 were performed satisfactorily, and the station was removed from the action statement at 1900 hours on February 7, 1983. Additinal, MWO 83-2172 has been issued to clean and lubricate the other similar valves. These valves are being added to the Preventative Maintenance System.

Failure Data: There have been no previous failures of MS106A reported. However, a similar occurrence involving a different valve was reported in Licensee Event Report NP-33-79-45 (79-041).

LER #83-010