

## (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-25

DATE OF EVENT: April 3, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Decay Heat Cooler Outlet Valve Failure

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2495 and Load (Gross MWE) = 831.

Description of Occurrence: During the performance of ST 5074.01 on April 3, 1981 at 1450 hours, CC 1467 was stroked closed and would not reopen. Decay Heat Train 1 was declared inoperable, placing the unit in the action statement of Technical Specification 3.5.2. This Technical Specification requires the Decay Heat Coolers to be operable in Modes 1, 2, and 3. The action statement requires they be returned to operable status within 72 hours or be in Hot Standby within the next 12 hours. The valve was then manually opened and locked in its safety position. This removed the station from the action statement of Technical Specification 3.5.2.

2 | Designation of Apparent Cause of Occurrence: The cause was initially attributed to design deficiency. Since the actuator arm was forced to the side at the end of the stroke causing excessive wear on the actuator bushings. After a subsequent failure on November 29, 1982, detailed investigation found that a flanged bearing was missing on this actuator when it was compared with the similar actuator on CC 1469 on Decay Heat Cooler 1-2. However, it could not be determined whether this missing bearing had never been installed by the manufacturer or whether it was not reinstalled during subsequent maintenance.

Analysis of Occurrence: There was no danger to the health and safety of the public or unit personnel. Decay Heat Train 2 was operable and available.

2 | Corrective Action: The actuator on the valve was rebuilt and the valve stroked properly after the April 3, 1981 failure. After the failure on November 29, 1982, the flanged bearing was reinstalled. Maintenance Instruction 11-803 has been since written to provide additional guidelines on CC 1467 and CC 1469. FCR 81-128, which had been written to replace the valve operator, has since been voided.

Failure Data: Previous failures were reported in NP-33-79-145 (79-125) and NP-33-79-114 (79-098).



July 6, 1984

Log No. K84-789  
File: RR 2 (NP-33-81-25)

Docket No. 50-346  
License No. NPF-3

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Gentlemen:

Enclosed is Revision 2 to Licensee Event Report 81-023. The revisions to the report are indicated by a "2" in the left margin of each page.

Please destroy your previous copy of this report and replace with the attached revision.

Yours truly,

Terry D. Murray  
Station Superintendent  
Davis-Besse Nuclear Power Station

TDM/ljk

Enclosure

cc: Mr. James G. Keppler,  
Regional Administrator,  
USNRC Region III

Mr. Walt Rogers  
DB-1 NRC Resident Inspector

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