



TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-83-104

DATE OF EVENT: December 24, 1983

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Borated Water Storage Tank (BWST) Level for Safety Features Actuation System (SFAS) Channel 1 failed high

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWt) = 195 and Load (Gross MWe) = 0.

1 | Description of Occurrence: On December 24, 1983 at 0625 hours, Control  
1 | Room operators received the BWST HI FAIL alarm for SFAS Channel 1. A  
1 | check of the indication showed Channel 1 was failed high. The operators  
1 | tripped the BWST low level bistable for SFAS Channel 1, per Action Statement 9  
of Technical Specification 3.3.2.1.

1 | Designation of Apparent Cause of Occurrence: The apparent cause was  
1 | personnel error. A followup investigation found the freeze protection  
1 | heat trace was not properly installed on the transmitter piping. A check  
1 | of the records showed that the last work done on that transmitter was to  
1 | install a new transmitter and run Surveillance Test ST 5031.05.

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

1 | Corrective Action: The operators had additional heaters installed in the  
1 | building housing the transmitters. The transmitter indication returned to  
1 | normal on December 25, 1983 at 1250 hours. Surveillance Tests ST 5099.01  
1 | and ST 5099.05 were performed, and the transmitter was declared operable,  
1 | removing the unit from the action statement of Technical Specification  
1 | 3.3.2.1. At the weekly shop meeting, all Instrument and Control mechanics  
1 | were reminded of their responsibility to be sure all support equipment  
1 | disturbed during maintenance is in proper working order after maintenance  
1 | is complete. Surveillance Test ST 5031.05 was also modified to change the  
1 | wording and sequence of verification to ensure that the freeze protection  
1 | heat trace is properly installed and working.

1 | Failure Data: There have been no previous similar occurrences due to  
1 | personnel error.



August 9, 1984

Log No. K84-1073  
File: RR 2 (NP-33-104)

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

Gentlemen:

LER No. 83-074  
Davis-Besse Nuclear Power Station Unit 1  
Date of Occurrence: December 24, 1983

Enclosed is Revision 1 to Licensee Event Report 83-074, including revised supplemental information sheet. The revisions to the report are indicated by a "1" in the left margin of each page.

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

Yours truly,

A handwritten signature in cursive script that reads "Stephen M. Quennoz".

Stephen M. Quennoz  
Acting Station Superintendent  
Davis-Besse Nuclear Power Station

SMQ/ljk

Enclosure

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

Mr. Walt Rogers  
DB-1 NRC Resident Inspector

JCS/001