



TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-82-09

DATE OF EVENT: February 8, 1982

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Mechanical Penetration Room 4 Pressure Gauge PDI-5000 failed high.

Condition Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 1911.6 and Load (Gross MWE) = 611.

Description of Occurrence: On February 8, 1982 at 1210 hours, the control room operator observed PDI-5000 had failed high indicating a failure of PDT-5000. The differential pressure transmitter feeds a controller which regulates dampers which allow recirculation of Emergency Ventilation System (EVS) exhaust. This allows the differential pressure to be maintained at a nominal 3/4" w.g. and permit some mixing of containment vessel leakage with purified air. This reduces direct streaming of radioisotopes to the filter system by increasing holdup within the annulus. With PDT-5000 failed, EVS Train 1-1 would not maintain 0.25 inches w.g. negative pressure in the containment annulus because full recirculation would be demanded. EVS Train 1-1 was declared inoperable placing the unit in the action statement of Technical Specification 3.6.5.1.

Designation of Apparent Cause of Occurrence: The indicator failed high because of ice buildup on the transmitter vent line outside of the Auxiliary Building. The ice plugged the vent line causing the indicator to fail high. Unusual weather condition extremes which included freezing, thawing, and re-freezing caused enough ice buildup to plug the line even though it was protected by a "weatherproof-bugproof" cap. This is the first winter in which the cap has not been sufficient protection.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. EVS Train 1-2 was operable and capable of maintaining the required negative pressure.

Corrective Action: The Instrument and Control mechanics removed the ice from the vent line and returned the transmitter to service under Maintenance Work Order IC-146-82. EVS Train 1-1 was declared operable at 1400 hours on February 9, 1982, removing the station from the action statement.

Under FCR 84-206, an enclosure will be built around the end of the pipe to protect it from freezing. Until the FCR is implemented, the line will be checked daily during freezing weather and noted on the "Monthly Activity Log Sheet."

Failure Data: None previously reported due to ice buildup.

LER #82-008



February 19, 1985

Log No. K85-389  
File: RR 2 (NP-33-82-09)

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

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

Gentlemen:

Enclosed is Revision 1 to Licensee Event Report 82-008. 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, appearing to read 'Stephen M. Quennoz'.

Stephen M. Quennoz  
Plant Manager  
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

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