



A Centenor Energy Company

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TOLEDO, OHIO 43652-0001

Log No.: AB-91-0001  
NP 33-90-19

Docket No. 50-346

License No. NPP-3

January 11, 1991

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Gentlemen:

LER 90-015  
Davis-Besse Nuclear Power Station, Unit No. 1  
Date of Occurrence - December 12, 1990

Enclosed please find Licensee Event Report 90-015, which is being submitted to provide 30 days written notification of the subject occurrence. This LER is being submitted in accordance with 10CFR50.73(a)(2)(i).

Very truly yours,

Louis F. Storz  
Plant Manager  
Davis-Besse Nuclear Power Station

LFS/eld

Enclosure

cc: Mr. A. Bert Davis  
Regional Administrator  
USNRC Region III

Mr. Paul Byron  
DB-1 NRC Sr. Resident Inspector

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Davis-Besse Unit No. 1	DOCKET NUMBER (2)  0 5 0 0 0 3 4 6 9 0	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		0	15	0	02	OF 03

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Description of Occurrence:

At 0700 hours on December 12, 1990, the Shift Supervisor recognized that at 0005 hours (the same day) the late date for Technical Specification Surveillance Requirement 4.3.3.8.2 had been exceeded for local fire panel C4720C. This panel monitors the fire detection zones in Containment and their supervisory circuits. These circuits monitor for faults and grounds in the fire detection zone wiring. Surveillance Requirement (SR) 4.3.3.8.2 checks the "NFPA Code 72 D Class A supervised circuits supervision" at least once per 6 months. This SR is satisfied by DB-MI-03806, Channel Functional Test of C4720C Class A Supervisory Circuits Supervision. The action statement was entered at 0700 hours. Since the involved fire detection zones are identified in Technical Specification 3.3.3.8 as inaccessible during normal plant operation, an hourly fire watch was not required. Therefore, the action statement of Technical Specification 3.3.3.8 was not violated.

Failing to complete the SR by the late date is reportable as an LER under 10CFR50.73(a)(2)(i)(B) as a condition prohibited by Technical Specifications.

Apparent Cause of Occurrence:

The SR late date was exceeded because a deficiency noted when the test was run in September 1990 was not resolved by the test sponsor or the designated reviewer in a timely manner. The deficiency was in the section of the test that demonstrates the functionality of the ground fault module. This was the first time this modified test using a limited ground fault was performed on panel C4720C. The module did not actuate when the fault was applied. It was determined at that time that the problem was with the test procedure. Although the deficiency was evaluated at that time as not affecting the operability of the fire panel or its related fire detection zones, the test could not be signed as complete. The test had been stautused as "suspended" since September 28, 1990.

This event became reportable as an LER because the Shift Supervisor did not declare the related zones inoperable and enter the appropriate action statement before the SR late date was exceeded. The Shift Supervisor had reviewed the test schedule as part of his turnover review when starting his shift at 2300 hours on December 11, 1990. While he did recognize this test would exceed its late date on December 12, 1990, he did not recognize that it would be late just five minutes after the start of the new day.

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Davis-Besse Unit No. 1	0 5 0 0 0 3 4 6 9 0	-	0 1 5	-	0 0	0 3 OF 0 3

TEXT (if more space is required, use additional NRC Form 366A 2/117)

Analysis of Occurrence:

The performance of the six month surveillance of the supervisory circuits provides assurance that a fault or a line break in the fire detection zone circuits will be detected. This provides assurance that the fire detectors in each zone in the panel will be able to alarm to the panel. Not completing the test by its due date does not, by itself, affect the functionality of the fire detection equipment. The incident did not result in a reduction in the level of fire protection.

Corrective Action:

DB-MI-03806 was completed and the action statement was exited at 2142 hours on December 12, 1990.

This incident will be reviewed with all Shift Supervisors to emphasize the importance of a careful review of the test schedule.

This event will also be reviewed with other personnel who have responsibility for implementing Technical Specification Surveillance Requirements. This includes those who have responsibilities for performing tests as well as those who review and resolve deficiencies.

Failure Data:

The previous report involving failure to satisfy Surveillance Requirements where a test was not completed by its late date even though it was properly listed on the test schedule is LER 89-008. The oversight was a personnel error.

NP 33-90-19

PCAO NO. 90-0754