

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Davis-Besse Unit 1						DOCKET NUMBER (2) 0 5 0 0 0 3 4 6 1			PAGE (3) 1 OF 0 2		
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TITLE (4)
Fire Suppression Sprinkler System Valves Improperly Surveilled

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0 8	2 6	8 8	8 8	0 2	1 0	0 0	0 9	2 5	8 8		0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) 6		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0		<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)						
		<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.38(a)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)						
		<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.38(a)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
		<input type="checkbox"/> 20.406(a)(1)(iv)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(vii)(A)							
		<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(vii)(B)							
	<input type="checkbox"/> 20.406(a)(1)(vi)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)								

LICENSEE CONTACT FOR THIS LER (12)

NAME Charles S. Gordon, Senior Nuclear Specialist		TELEPHONE NUMBER	
		AREA CODE 4 1 9	NUMBER 2 4 9 1 - 5 0 1 0 0

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On August 26, 1988, with the reactor defueled, during the performance of an NFPA-13 Code Compliance review, it was discovered that two in line isolation valves in the fire suppression sprinkler system had not been verified in the correct position every 31 days as required by Technical Specification Surveillance Requirement 4.7.9.1.1.c. This condition was caused by personnel error during the development of the procedures and drawings for this system. FP-116A and FP-117A were independently verified to be in the correct position and then locked in that position. DB-FP-03003 (ST 5016.09), "Fire System Valve Monthly Inspection" has been revised to include these valves in the surveillance procedure. A Document Change Request (DCR) will be written by November 14, 1988, to update the applicable drawings to reflect the as-built condition.

As part of the fire protection program, a walkdown of the fire protection system is being performed during the NFPA Code reviews, and any necessary as-built drawing revisions, procedure revisions or plant modifications for NFPA Code deviations will be completed by restart from the eighth refueling outage. This condition is being reported according to 10CFR50.73(a)(2)(1)(B).

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PDR ADOCK 05000346
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 8	- 0 2 1	- 0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 305A's) (17)

DESCRIPTION OF OCCURRENCE:

On August 26, 1988, with the reactor defueled, Fire Protection personnel doing an NFPA-13 code compliance review, discovered two Fire Protection Sprinkler System (KP) valves (FP-116A and FP-117A) were not included in the surveillance test utilized to verify Technical Specification Surveillance Requirement 4.7.9.1.1.c. This surveillance requirement requires that each valve in the fire suppression water system flow path be verified in its correct position at least once per 31 days. Failure to verify the position of valves FP-116A and FP-117A on a monthly basis is a condition prohibited by the Technical Specifications and is being reported in accordance with 10CFR50.73(a)(2)(i)B.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

This condition was caused by personnel error during the development of the original procedure. This was complicated by drawings which did not clearly show FP-116A and FP-117A in the flow path of the fire suppression sprinkler system.

ANALYSIS OF OCCURRENCE:

Valves FP-116A and FP-117A provide in line isolation for the fire suppression system in the diesel oil day tank rooms. Although these valves were not surveilled properly, they were found in the correct open position with FP-117A sealed open. In addition, during the annual functional test of the affected sprinkler systems, these valves were cycled and flow was verified through the system in the as-left condition. Had the fire suppression system been needed, it would have been capable of performing its intended function. Therefore, this failure to properly perform the surveillance test of FP-116A and FP-117A had no actual safety significance.

CORRECTIVE ACTION:

FP-116A and FP-117A were independently verified to be in the correct position and then locked in that position. DB-FP-03003 (ST 5016.09), "Fire System Valve Monthly Inspection" has been revised to include these valves in the surveillance procedure. A DCR will be written by November 14, 1988, to update the applicable drawings to reflect the as-built condition.

As part of the Fire Protection Program, a walkdown of the fire protection system is being performed during the NFPA code reviews, and any necessary as-built drawing revisions, procedure revisions, or plant modifications for NFPA Code deviations will be completed by restart from the eighth refueling outage.

FAILURE DATA:

This is the first report of fire suppression sprinkler valves not being included in the appropriate surveillance test.

NP-33-88-25

PCAQR 88-0662



EDISON PLAZA
300 MADISON AVENUE
TOLEDO, OHIO 43652-0001

September 26, 1988

Log No: KA88-0291
NP-33-88-25

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

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

Gentlemen:

LER No. 88-021
Davis-Besse Nuclear Power Station Unit No. 1
Date of Occurrence - August 26, 1988

Enclosed is Licensee Event Report 88-021, which is being submitted in accordance with 10CFR50.73 to provide 30 day written notification of the subject occurrence.

Yours truly,

A handwritten signature in cursive script that reads 'L Storz for JF Storz'.

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

LFS/cjz

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

Mr. Paul Byron
DB-1 NRC Resident Inspector

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