

CONTROL BLOCK:

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 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

0	1
7	8

REPORT SOURCE

L	6	0	5	0	0	0	3	4	6	7	0	8	3	0	8	3	8	0	9	2	9	8	3	9
60	61	DOCKET NUMBER					68	69	EVENT DATE					74	75	REPORT DATE					80			

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

08 | _____ 80

09		SYSTEM CODE A B		11	CAUSE CODE B		12	CAUSE SUBCODE C		13	COMPONENT CODE V A L V E X					14	COMP. SUBCODE N		15	VALVE SUBCODE D		16				
7	8	9	10		11		12		13					18		19		20								
17		LER/RO REPORT NUMBER		EVENT YEAR 8 3		21	22	SEQUENTIAL REPORT NO. 0 4 6		24	26	OCCURRENCE CODE /		27	REPORT TYPE L		30	REVISION NO. 0		32						
ACTION TAKEN D		18	FUTURE ACTION Z		19	EFFECT ON PLANT Z		20	SHUTDOWN METHOD Z		21	HOURS 0 0 0 0		22	ATTACHMENT SUBMITTED Y		23	NPRD-4 FORM SUB. N		24	PRIME COMP. SUPPLIER Z		25	COMPONENT MANUFACTURER Z 9 9 9		26
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of these occurrences was either an initial construction installation error

1 1 or an equipment failure due to an accumulation of dirt. Upon discovery of each non-

1 2 functional damper, a fire watch was established within one hour. To date, all dampers

1 3 except three have been repaired or cleaned and returned to functional status.

1 4
7 8 9 80

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

FACILITY STATUS (1) 5 (D) (28) % POWER (0) (0) (0) (29) NA OTHER STATUS (30) METHOD OF DISCOVERY (B) (31) DISCOVERY DESCRIPTION (32) During performance of ST 5016.11

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 9 33 Z NA

7 8 9 10 11

AMOUNT OF ACTIVITY (35)

NA

LOCATION OF RELEASE (36)

PERSONNEL EXPOSURES									
NUMBER			TYPE		DESCRIPTION				
1	7				37	Z	38	NA	39

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
1	8	40	NA

8310080385 830927
PDR ADOCK 05000346
S PDR

		8 9		11 12		
LOSS OF OR DAMAGE TO FACILITY						(43)
TYPE		DESCRIPTION				
1	9	Z	(42)	NA		IE22

8 9 10 80
PUBLICATION
ISSUED DESCRIPTION (45) NRC USE ONLY
2 0 N (44) NA

NRC USE ONLY

DVRs 83-108, 83-117, 83-118, 83-119

NAME OF PREPARER Lynn Richter

PHONE: 419-259-5000, Ext. 369

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-83-64

DATE OF EVENT: See Below

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Fire dampers nonfunctional

Conditions Prior to Occurrence: The unit was in Mode 5, with Power (MWt) = 0 and Load (Gross MWe) = 0.

Description of Occurrence: During the performance of the Fire Protection System Barrier Surveillance Test, ST 5016.11, Section II, Safety Related Fire Damper Functionality Test, the following fire dampers were found nonfunctional:

<u>FIRE DAMPER</u>	<u>LOCATION</u>	<u>TIME AND DATE FOUND NONFUNCTIONAL</u>
1) FD1002	585', Room 237	2250 hours, 8/30/83
2) FD1004	585', Room 238	0425 hours, 8/31/83
3) FD1006	585', Room 328	0105 hours, 9/1/83 0015 hours, 9/2/83
4) FD1005	585', Room 328	0230 hours, 9/1/83
5) FD1097	603', 417/Stairs AB-2	2305 hours, 9/2/83
6) FD1064	603', Room 428A	0120 hours, 9/8/83
7) FD1054	603', Room 428B	0155 hours, 9/8/83
8) FD1065	603', Room 428A	0325 hours, 9/8/83
9) FD1047	585', Rooms 323/325	0515 hours, 9/8/83
10) FD1017	638', Room 603	0620 hours, 9/8/83
11) FD1071	623', Room 516	0100 hours, 9/10/83
12) FD1015	638', Room 603	0135 hours, 9/10/83
13) FD1083	603', Room 402	0010 hours, 9/11/83
14) FD1084	603', Room 402	0015 hours, 9/11/83
15) FD1082	603', Room 401	0218 hours, 9/22/83

On September 8, 1983, while performing a walkdown of fire dampers with the NRC Region III inspection staff, fire dampers FD1110 located in Rooms 109/110 on 545' level, and FD1042 located in Room 322 on 585' level, were found slightly open.

These dampers had been closed to verify their being functional as corrective action to Licensee Event Report NP-33-83-50 (83-041). The nonfunctional state of these fire dampers placed the unit in the action statement of Technical Specification 3.7.10.

Designation of Apparent Cause of Occurrence: The cause of the first set of nonfunctional dampers was due to either initial construction installation errors or equipment failures. See Attachment 1 for the appropriate cause.

Fire dampers FD1110 and FD1042 were found open due to personnel errors. FD1110 is located in the wall between the Maintenance Work Area, Room 109, and the 545' Central Corridor, Room 110, and it is believed the personnel opened the damper to aid in ventilating the room. FD1042 is located behind a grill in the Diesel Generator Passage, Room 322, and it is suspected that the damper was never completely closed when it was originally found to be nonfunctional and forcibly closed on July 27, 1983.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The fire detection and suppression systems, located throughout the plant, were operable.

Corrective Action: Upon discovery of each nonfunctional fire damper, a fire watch was established within one hour. A summary of the corrective action taken for the failed dampers is documented in Attachment 1.

Prior to this first performance of Section II of ST 5016.11, all dampers in the plant have never been functionally tested, nor were they required to be functionally tested per the current Davis-Besse Technical Specifications. Surveillance Requirement 4.7.10 currently requires only a visual inspection of all fire penetrations every 18 months. Toledo Edison has voluntarily increased the surveillance requirements to include functional testing of fire dampers and doors to upgrade the Fire Protection Program.

A License Amendment (Facility Change Request 80-263A) has been submitted to revise Technical Specification 3.7.10 to reflect the requirements for the Fire Protection Program.

Under Maintenance Work Orders (MWOs) 1-83-4029-00 and 1-83-4028-00, FD1110 and FD1042, respectively, were repaired. These dampers would not close due to excessive side pressure from the existing concrete. To allow the dampers to freely close, approximately 1/8" was cut off the sides of the damper louvers. FD1110 and FD1042 were returned to functional status at 0415 hours and at 0700 hours on September 20, 1983, respectively. The personnel performing ST 5016.11 have been cautioned to ensure that those dampers found to be nonfunctional are completely closed.

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-83-64
PAGE 3

Failure Data: A previous similar occurrence has been reported in Licensee
Event Report NP-33-83-50 (83-041).

LFR #83-046

ATTACHMENT 1

<u>FIRE DAMPER</u>	<u>CAUSE OF FAILURE</u>	<u>CORRECTIVE ACTION TAKEN</u>	<u>MWO NUMBER</u>
FD1002	Equipment failure due to accumulation of dirt	Cleaned and retested. Returned to functional status at 0220 hours on August 31, 1983.	1-83-4604-00
FD1004	Equipment failure due to accumulation of dirt	Cleaned and retested. Returned to functional status at 0640 hours on August 31, 1983.	1-83-4604-01
FD1006	Installation error	Cleaned, lubricated and retested. Returned to functional status at 0735 hours on September 1, 1983.	1-83-4622-00
FD1006	Installation error	This damper was retested on September 2, 1983 with air flowing through it, and failed. Removed, turned damper around, cleaned, lubricated, and retested. Returned to functional status at 0300 hours on September 15, 1983.	1-83-4640-00
FD1005	Installation error	Removed, turned damper around. Cleaned, lubricated, and retested. Returned to functional status at 0710 hours on September 15, 1983.	1- -4621-00
FD1097	Installation error	Removed, turned damper around. Cleaned, lubricated, and retested. Returned to functional status at 0535 hours on September 15, 1983.	1-83-4654-00

ATTACHMENT 1

<u>FIRE DAMPER</u>	<u>CAUSE OF FAILURE</u>	<u>CORRECTIVE ACTION TAKEN</u>	<u>MWO NUMBER</u>
FD1064	Installation error	Minor adjustments on spring and damper guides. Cleaned damper hinges and guides. Retested. Returned to functional status at 0356 hours on September 7, 1983.	1-83-4705-00
FD1054	Installation error	Minor adjustments on spring and damper guides. Cleaned damper hinges and guides. Retested. Returned to functional status at 0659 hours on September 13, 1983.	1-83-4705-01
FD1065	Installation error	Minor adjustments to springs. Cleaned, lubricated and retested. Returned to functional status at 0340 hours on September 8, 1983.	1-83-4641-00
FD1047	Installation error	Minor adjustments to springs. Cleaned, lubricated and retested. Returned to functional status at 0530 hours on September 8, 1983.	1-83-4705-00
FD1017	Equipment failure due to accumulation of dirt	Disassembled coil springs. Cleaned, lubricated, reassembled, and retested. Returned to functional status at 0700 hours on September 12, 1983.	1-83-4705-02
FD1071		To date, a fire watch is still being performed for this damper.	1-83-4027-02

ATTACHMENT 1

<u>FIRE DAMPER</u>	<u>CAUSE OF FAILURE</u>	<u>CORRECTIVE ACTION TAKEN</u>	<u>MWO NUMBER</u>
FD1015	Equipment failure due to accumulation of dirt	Disassembled coil springs. Cleaned, lubricated, reassembled, and retested. Returned to functional status at 0300 hours on September 12, 1983.	1-83-4027-01
FD1083	Installation error	Spring coil mounts were interfering with complete closing of damper. Mounts modified to allow damper to close. Cleaned, lubricated, and retested. Returned to functional status at 0400 hours on September 13, 1983.	1-83-4746-00
FD1084		To date, a fire watch is still being performed for this damper.	1-83-4747-00
FD1082		To date, a fire watch is still being performed for this damper.	1-83-4027-03

DmB



September 29, 1983

Log No. K83-1339
File: RR2 (NP-33-83-64)

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

Mr. James G. Keppler
Regional Administrator, Region III
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

LER No. 83-046
Davis-Besse Nuclear Power Station Unit 1
Date of Occurrence: August 30, 1983

Enclosed are three copies of Licensee Event Report 83-046 which are being submitted in accordance with Technical Specification 6.9 to provide 30 day written notification of the subject occurrence.

Yours truly,

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

TDM/ljk

Enclosures

cc: Mr. Richard DeYoung, Director
Office of Inspection and Enforcement
Encl: 30 copies

Mr. Norman Haller, Director
Office of Management and Program Analysis
Encl: 3 copies

Mr. Walt Rogers
NRC Resident Inspector
Encl: 1 copy

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OCT 3 1983