

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)
Inoperable Diesel Generators

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)																																							
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="12">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)</td> </tr> <tr> <td>OPERATING MODE (9)</td> <td>20.402(b)</td> <td>20.405(c)</td> <td>50.73(a)(2)(iv)</td> <td>73.71(b)</td> </tr> <tr> <td>POWER LEVEL (10)</td> <td>20.405(a)(1)(i)</td> <td>50.36(c)(1)</td> <td>50.73(a)(2)(v)</td> <td>73.71(c)</td> </tr> <tr> <td>0 9 4</td> <td>20.405(a)(1)(ii)</td> <td>50.36(c)(2)</td> <td>50.73(a)(2)(vii)</td> <td rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 365A)</td> </tr> <tr> <td></td> <td>20.405(a)(1)(iii)</td> <td>X 50.73(a)(2)(i)</td> <td>50.73(a)(2)(viii)(A)</td> </tr> <tr> <td></td> <td>20.405(a)(1)(iv)</td> <td>50.73(a)(2)(ii)</td> <td>50.73(a)(2)(viii)(B)</td> </tr> <tr> <td></td> <td>20.405(a)(1)(v)</td> <td>50.73(a)(2)(iii)</td> <td>50.73(a)(2)(ix)</td> </tr> </table>												THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)												OPERATING MODE (9)	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)	POWER LEVEL (10)	20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)	0 9 4	20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)		20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)
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LICENSEE CONTACT FOR THIS LER (12)

NAME Eric W. Johnson, Senior Assistant Engineer	TELEPHONE NUMBER 4 1 9 2 5 9 1 - 5 0 0 0
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
B	E K	X F M R	W 1 2 0	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

On June 5, 1984, the Shift Supervisor was notified that there was a documentation problem with the seismic qualification of transformers installed in two motor control centers. Engineering had determined that the operability of the motor control centers would be affected during a seismic event. The two motor control centers provide power to Emergency Diesel Generator Room ventilation dampers and Low Voltage Switchgear Room ventilation dampers which are required for equipment operability. . At the time of the notification of the documentation problem only Motor Control Center YE1 was declared inoperable since the transformer supplying YF1 had just been replaced.

The reason for declaring the motor control center inoperable was notification by Westinghouse, Chicago facility, (the motor control center manufacturer) that compatibility and interchangeability with the original design, of transformers installed January 19, 1984, could not be substantiated. The cause of unqualified transformers being installed in YE1 and YF1 was a breakdown in the Westinghouse QA Program.

To correct the deviation, the other transformer, which had been removed to support a Westinghouse motor control center component requalification testing program, was reinstalled. Westinghouse Chicago has been directed to comply with their Quality Assurance program and to review documentation for items supplied by the Chicago facility to Toledo Edison to see if additional discrepancies exist.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Davis-Besse Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 4 6	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	- 0 0 8	- 0 0	0 2	OF	0 2

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

Description of Occurrence: The Station was operating in Mode 1 at a power level of approximately 94% during the majority of the period from January 19, 1984 to June 5, 1984. The Emergency Diesel Generator, EDG, (EK) and Low Voltage Switchgear Room (ED) ventilation dampers functioned properly throughout this time period.

On June 5, 1984, Toledo Edison was informed by Westinghouse that the 480-120 V, single phase, 2 KVA transformers (EC) installed on January 19, 1984, under Maintenance Work Orders (MWO) 1-83-4370-01 and 1-83-4371-01, could not be verified as being similar in design to the original transformers installed. The transformers, one each installed in the top portion of Motor Control Centers, MCCs, YE1 and YF1 step down 480 V from MCCs E12B and F12B respectively, to supply the YE1 and YF1 120 V bus. The loads powered by each 120 V bus are EDG room ventilation supply fan modulating dampers and low voltage switchgear room ventilation fan isolation dampers.

As a result of Westinghouse's notification concerning the transformers, it was determined that in the event of a seismic event MCCs YE1 and YF1 may be unable to perform their intended safety function of supplying electric power to essential EDG room and low voltage switchgear room ventilation equipment which is required to support operation of the EDGs.

The Station entered Technical Specification 3.8.1.1 Action Statement. The occurrence is reportable per 10 CFR 50.73(2)(i)(B).

The discovery of the unqualified transformers was a result of a Quality Assurance (QA) audit by Toledo Edison, of items supplied by the Westinghouse Chicago facility.

Designation of Apparent Cause of Occurrence: The cause of unqualified transformers being installed in MCCs YE1 and YF1 was a breakdown in the Westinghouse QA program. No equipment failed during the period January 19, 1984 to June 5, 1984 as a result of the unqualified transformers being installed.

Analysis of Occurrence: Although there were no equipment failures as a result of the occurrence, whether or not MCCs YE1 and YF1 would have remained functional after a seismic event is questionable. However, had the MCCs failed, the components being supplied by the MCCs (ventilation dampers), with some minor modifications could have been manually positioned to the desired position.

Corrective Action: The transformers removed for qualification testing on January 19, 1984, were reinstalled on June 5, 1984 and June 6, 1984, under MWOs 1-83-4371-02 and 1-83-4370-02. Westinghouse has been directed to further review QA documentation furnished with items supplied to Toledo Edison by the Chicago facility and to comply with their QA program. In addition, as a result of the May 23-24, 1984 audit of Westinghouse (Chicago facility) a 10 CFR Part 21 Report was submitted.

Failure Data: There have been no previous similar reportable occurrences.

Report No: NP-33-84-08

DVR No(s): 84-071



July 3, 1984

Log No. K84-783
File: RR 2 (NP-33-84-08)

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

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

Gentlemen:

LER No. 84-008
Davis-Besse Nuclear Power Station Unit 1
Date of Occurrence: June 5, 1984

Enclosed is Licensee Event Report 84-008, 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 'T D Murray'.

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

TDM/ljk

Enclosure

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

Mr. Walt Rogers
DB-1 NRC Resident Inspector

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