NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Line	Field	Value
01	LICENSEE CODE (2)	OHDBS1
	LICENSE NUMBER (3)	ØØ-ØØØØØ-ØØ
	LICENSE TYPE (4)	41111
	CAT (5)	
CON'T 01	REPORT SOURCE (6)	L
	DOCKET NUMBER (7)	Ø5ØØØ346
	EVENT DATE (8)	1Ø1882
	REPORT DATE (9)	122983

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 (NP-33-82-64) On 10/18/82 at 1222 hours, the Control Room operators received a half
03 trip alarm on the Steam and Feedwater Rupture Control System (SFRCS) Channel 2. Inves-
04 tigation showed that the trip was due to failure of the Steam Generator Level Instru-
05 ment Cabinet Channel 2, 24 VDC power supply. This invoked T.S. 3.3.2.2, Action Item
06 (b), Statement 13, which required the channel to be tripped within one hour. There
07 was no danger to the public or station personnel.The loss of the power supply tripped
08 the channel and placed it in the mode required by Technical Specifications and design.

Line	Field	Value
09	SYSTEM CODE (11)	CC
	CAUSE CODE (12)	E
	CAUSE SUBCODE (13)	A
	COMPONENT CODE (14)	INSTRU
	COMP. SUBCODE (15)	P
	VALVE SUBCODE (16)	Z
(17) LER/RO REPORT NUMBER	EVENT YEAR	82
		—
	SEQUENTIAL REPORT NO.	Ø53
		/
	OCCURRENCE CODE	Ø3
	REPORT TYPE	X
		—
	REVISION NO.	1
	ACTION TAKEN (18)	A
	FUTURE ACTION (19)	B
	EFFECT ON PLANT (20)	Z
	SHUTDOWN METHOD (21)	Z
	HOURS (22)	ØØØØ
	ATTACHMENT SUBMITTED (23)	Y
	NPRD-4 FORM SUB. (24)	Y
	PRIME COMP. SUPPLIER (25)	N
	COMPONENT MANUFACTURER (26)	S257

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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Component failure has caused the overvoltage trip device to trip the power supply.
11 On 10/18/82 at 1430 hours, a new power supply was installed under Maintenance Work
12 Order IC-587-82. Surveillance Test ST 5031.14 was performed, and the channel was
13 declared operable at 1800 hours on 10/18/82. This removed the plart from Technical
14 Specification 3.3.2.2, Action Item (b), Statement 13.

Line	Field	Value
15	FACILITY STATUS (28)	E
	% POWER (29)	Ø85
	OTHER STATUS (30)	NA
	METHOD OF DISCOVERY (31)	A
	DISCOVERY DESCRIPTION (32)	Operator Observation
16	ACTIVITY RELEASED (33)	Z
	CONTENT OF RELEASE (34)	Z
	AMOUNT OF ACTIVITY (35)	NA
	LOCATION OF RELEASE (36)	NA
17	PERSONNEL EXPOSURES NUMBER (37)	ØØØ
	TYPE (38)	Z
	DESCRIPTION (39)	NA
18	PERSONNEL INJURIES NUMBER (40)	ØØØ
	DESCRIPTION (41)	NA
19	LOSS OF OR DAMAGE TO FACILITY (43) TYPE (42)	Z
	DESCRIPTION	NA
20	PUBLICITY ISSUED (44)	N
	DESCRIPTION (45)	NA

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NRC USE ONLY

DVR 82-123

NAME OF PREPARER Kent Yarger

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GPO 917-926

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-82-64

DATE OF EVENT: October 18, 1982

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Failure of the +24 VDC power supply for Steam Generator Level Instrument Cabinet (SGLIC) Channel 2.

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2372 and Load (Gross MWe) = 800.

Description of Occurrence: On October 18, 1982 at 1222 hours, the Control Room operators received a half trip alarm on the Steam and Feedwater Rupture Control System (SFRCS) Actuation Channel 2.

Investigation showed that the trip was due to failure of the SGLIC Channel 2, 24 VDC power supply. This power supply provides the current for LT-SP9B6, Steam Generator 1 level input for SFRCS Channel 2. When the power supply tripped, it simulated a loss of level on Steam Generator 1 tripping SFRCS Channel 2.

This invoked Technical Specification 3.3.2.2, Action Item (b), Statement 13 which required the channel to be tripped within one hour. The failure of the power supply provided this action automatically.

Designation of Apparent Cause of Occurrence: A component failure caused the overvoltage trip device to trip the power supply. The failed power supply was returned to the manufacturer for analysis, where it was determined that capacitor C-1 on the regulator board had failed. The component was replaced, and the power supply was retested to specification.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The loss of the power supply did trip the channel and placed it in the mode required by Technical Specifications and design.

Corrective Action: On October 18, 1982 at 1430 hours, a new power supply was installed under Maintenance Work Order IC-587-82. Surveillance Test ST 5031.14 was performed, and the channel was declared operable at 1800 hours on October 18, 1982. This removed the plant from Technical Specification 3.3.2.2, Action Item (b), Statement 13.

Failure Data: Although there have been numerous failures of Sorensen power supplies, none have been reported due to a similar component failure.

LER 82-053

DMB

TOLEDO EDISON

December 29, 1983

Log No. K83-1773
File: RR 2 (NP-33-82-64)

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:

Enclosed are three copies of Revision 1 to Licensee Event Report 82-053, including revised supplemental information sheet. The revisions to the report are indicated by a "1" in the left margin of each page.

Please destroy your previous copies of this report and replace with the attached revision.

Yours truly,

Terry D. Murray/SMQ

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

TDM/ljk

Enclosure

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

JAN 11 1984

THE TOLEDO EDISON COMPANY EDISON PLAZA 300 MADISON AVENUE TOLEDO, OHIO 43652

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