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
01	LICENSE NUMBER (3)	00-00NPF-03
01	LICENSE TYPE (4)	4 1 1 1 1
01	CAT (5)	
01 CON'T	REPORT SOURCE (6)	L
01 CON'T	DOCKET NUMBER (7)	050-0346
01 CON'T	EVENT DATE (8)	070579
01 CON'T	REPORT DATE (9)	080179

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

At 0900 hours on July 5, 1979, a one half trip occurred on Channels 1 and 3 of the Steam and Feedw ter Rupture Control System (SFRCS). This one half trip was due to the de-energization of half of Steam Generator Level Instrumentation Cabinet (SGLIC). As the unit was in Mode 4 throughout this occurrence, the action statement of T.S. 3.3.2.2 was not applicable. This report is being submitted to document a component failure. There was no danger to the health and safety of the public or station personnel. SGLIC Channel 1 and consequently SFRCS Channel 1 actuated as designed. (NP-33-79-79)

Field	Value
SYSTEM CODE (11)	IE
CAUSE CODE (12)	E
CAUSE SUBCODE (13)	X
COMPONENT CODE (14)	INSTRU
COMP. SUBCODE (15)	P
VALVE SUBCODE (16)	Z
LER/RO REPORT NUMBER (17) — EVENT YEAR	79
SEQUENTIAL REPORT NO.	070
OCCURRENCE CODE	03
REPORT TYPE	L
REVISION NO.	0
ACTION TAKEN (18)	C
FUTURE ACTION (19)	X
EFFECT ON PLANT (20)	Z
SHUTDOWN METHOD (21)	Z
HOURS (22)	0000
ATTACHMENT SUBMITTED (23)	Y
NPRD-4 FORM SUB. (24)	Y
PRIME COMP. SUPPLIER (25)	A
COMPONENT MANUFACTURER (26)	S257

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The cause was a failure of the +24 VDC power supply PS02 in SGLIC Channel 1. The power supply vendor is investigating to determine the root cause. The defective power supply was replaced und.r Maintenance Work Order (MWO) IC-333-79. On July 5, 1979, SGLIC Channel 1 was declared operable after the performance of surveillance testing.

Field	Value
FACILITY STATUS (28)	G
% POWER (29)	000
OTHER STATUS (30)	NA
METHOD OF DISCOVERY (31)	A
DISCOVERY DESCRIPTION (32)	Operator observation
ACTIVITY RELEASED (33)	Z
CONTENT OF RELEASE (34)	Z
AMOUNT OF ACTIVITY (35)	NA
LOCATION OF RELEASE (36)	NA
PERSONNEL EXPOSURES NUMBER (37)	000
TYPE (38)	Z
DESCRIPTION (39)	NA
PERSONNEL INJURIES NUMBER (40)	000
DESCRIPTION (41)	NA
LOSS OF OR DAMAGE TO FACILITY TYPE (42)	Z
DESCRIPTION (43)	NA
PUBLICITY ISSUED (44)	N
DESCRIPTION (45)	NA

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NRC USE ONLY

DVR 79-096 NAME OF PREPARER Dean C. Hitchens PHONE 419-259-5000, Ext. 231

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-79

DATE OF EVENT: July 5, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Partial de-energization of Steam and Feedwater Rupture Control System (SFRCS) Channel 1

Conditions Prior to Occurrence: The unit was in Mode 4, with Power (MWT) = 0, and Load (Gross MWE) = 0.

Description of Occurrence: At 0900 hours on July 5, 1979, operations personnel received a one half trip on SFRCS Channels 1 and 3. This half trip was due to the de-energization of half of Steam Generator Level Instrumentation Cabinet (SGLIC) 1. Technical Specification 3.3.2.2 requires the SFRCS to be operable while the unit is in Modes 1 through 3. The station, at the time of occurrence, was in Mode 4, in which SFRCS is not required to be operable. This incident is being reported as documentation of a component failure.

Designation of Apparent Cause of Occurrence: The cause of this occurrence was a failure of the +24 VDC power supply PS02 in SGLIC Channel 1. The failed power supply has been returned to the manufacturer, Sorenson (a division of Raytheon) for repair and analysis of the failure to determine the root cause of the event.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The SGLIC Channel 1, and consequently SFRCS Channel 1, actuated as designed when the power supply was lost. In addition, the unit was in Mode 4 throughout the occurrence during which SFRCS is not required.

Corrective Action: The defective power supply was replaced under Maintenance Work Order IC-333-79 on July 5, 1979. The SGLIC Channel 1 was declared operable after performance of ST 5099.01, "Miscellaneous Instrument Shift Check", the same day of the occurrence, July 5, 1979.

Failure Data: A +24 VDC power supply failure was previously reported in Licensee Event Report NP-33-77-24, however, that failure was due to a design deficiency which was corrected at Sorenson.

LER #79-070

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