

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

7 8 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

7 8 9 this problem. 80

ACTIVITY	CONTENT	(25)
REV. 11-1988	05-251-0-000	

PERSONNEL EXPOSURESPERSONNEL INJURIES 80

8 9 11 12 8403200103 840125 80

8 9 10 80

NRC USE ONLY

PHONE (419) 249-5000 Ext. 7237⁰

1522

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-82-60

DATE OF EVENT: September 21, 1982

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Steam and Feedwater Rupture Control System (SFRCS) Channel 3, 48 volt DC/DC power supply was lost causing a full trip of that channel.

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWt) = 2384 and Load (Gross MWe) = 816.

Description of Occurrence: On September 21, 1982 at 1030 hours, the Control Room operators received a full trip alarm on the SFRCS Channel 3. Investigation of the trip showed that the field contacts input 48 volt DC/DC power supply failed.

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.

There was no power reduction due to this action.

2 | Designation of Apparent Cause of Occurrence: Inadequate design of the SFRCS cabinets has resulted in over heating of the power supplies in these cabinets. This has been identified as a primary contributing factor in correlation with SFRCS power supply problems.

2 | Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The loss of the power supply tripped the channel as designed, and placed it in the mode required by Technical Specifications.

2 | Corrective Action: On September 22, 1982, at 0048 hours, a new power supply was installed. The channel was declared operational at 0114 hours and allowed exit from Technical Specification 3.3.2.2, action item (b) statement 13.

2 | FCR 84-102 has installed fans into the SFRCS cabinets to ensure that adequate cooling is provided. This facility change is required for restart following the Davis-Besse June 9, 1985 event.

Failure Data: Although this was the first failure of 48V DC/DC power supply, there have been previous failures of 24 VDC and 15 VDC power supplies in other channels of the SFRCS; reference Licensee Event Reports NP-33-77-24, NP-33-78-121 (78-102), NP-33-79-79 (79-070), NP-33-79-113 (79-097), NP-33-79-148 (79-131), NP-33-80-15 (80-011), NP-33-80-36 (80-027), and NP-33-81-23 (81-021).



January 25, 1986

Log No. KA86-44

File: RR 2 (NP-33-82-60)

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

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

Gentlemen:

Enclosed is Revision 2 to Licensee Event Report 82-051. The revisions to the report are indicated by a "2" in the left margin of each page.

Please destroy or mark superseded your previous copy of this report.

Yours truly,

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

LFS/syc

Enclosure

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

Mr. Walt Rogers
DB-1 NRC Resident Inspector