

LICENSEE EVENT REPORT

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

[0] [1] [0] [H] [D] [B] [S] [1] [2] [0] [0] [-] [0] [0] [0] [0] [0] [0] [-] [0] [0] [3] [4] [1] [1] [1] [1] [4] [] [] [5]

CON'T [0] [1] REPORT SOURCE [L] [6] [0] [5] [0] [0] [0] [3] [4] [6] [7] [0] [3] [2] [6] [8] [2] [8] [0] [2] [2] [0] [8] [5] [9]

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) [0] [2] (NP-33-82-22) At 0820 hours on 3/26/82, the source range detector NI-2 high voltage cable was cut by a construction electrician. This resulted in the loss of one of the two source range indicators, placing the unit in the action statement of Technical Specification 3.9.2. There was no danger to the health and safety of the public or station personnel. There were no core alterations or positive reactivity changes in progress at the time of the loss of the source range detector.

[0] [9] SYSTEM CODE [I] [D] (11) CAUSE CODE [B] (12) CAUSE SUBCODE [C] (13) COMPONENT CODE [E] [L] [E] [C] [O] [N] (14) COMP. SUBCODE [Z] (15) VALVE SUBCODE [Z] (16)

[17] LER/RO REPORT NUMBER [8] [2] EVENT YEAR [] [] SHUTDOWN METHOD [Z] (21) HOURS [0] [0] [0] [0] (22) ATTACHMENT SUBMITTED [Y] (23) NRPD-4 FORM SUB. [Y] (24) PRIME COMP. SUPPLIER [Z] (25) COMPONENT MANUFACTURER [Z] [Z] [Z] [Z] (26)

CAUSE DESCRIPTION AND CORRELATIVE ACTIONS (27) [1] [0] The cause was a problem in coordination of work being performed. The cut cable was reconnected; and after testing, the detector was declared operable at 1400 hours on March 27, 1982. All remaining cables to be cut per Facility Change Request (FCR) 79-401 were reverified to be spare prior to restarting work. Nuclear Facility Engineering Procedure, NFEP-010, was modified to require prerequisites be listed on the FCR form.

[1] [5] FACILITY STATUS [H] (28) % POWER [0] [0] [0] (29) OTHER STATUS [NA] (30) METHOD OF DISCOVERY [A] (31) DISCOVERY DESCRIPTION [Operator Observation] (32)

[1] [6] ACTIVITY TAKEN [Z] (33) FUTURE ACTION [Z] (34) EFFECT ON PLANT [NA] (35) AMOUNT OF ACTIVITY [NA] (36) LOCATION OF RELEASE [NA] (36)

[1] [7] PERSONNEL EXPOSURE NUMBER [0] [0] [0] (37) TYPE [Z] (38) DESCRIPTION [NA] (39)

[1] [8] PERSONNEL INJURIES NUMBER [0] [0] [0] (40) DESCRIPTION [NA] (41)

[1] [9] LOSS OF OR DAMAGE TO FACILITY TYPE [Z] (42) DESCRIPTION [NA] (43)

[2] [0] PUBLICITY ISSUED [N] (44) DESCRIPTION [NA] (45)

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TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-82-22

DATE OF EVENT: March 26, 1982

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Loss of one source range indication due to a cut cable

Conditions Prior to Occurrence: The unit was in Mode 6 with Power (MWT) = 0 and Load (Gross MWE) = 0.

Description of Occurrence: At 0820 hours on March 26, 1982, the source range detector NI-2 high voltage cable was cut by a construction electrician working in containment penetration box P11111 per Facility Change Request (FCR) 79-401. This resulted in the loss of one of the two source range indicators as was noticed by the Control Room operator. The loss of one source range neutron flux monitor placed the unit in the action statement of Technical Specification 3.9.2 which requires an immediate suspension of all operations involving core alterations or positive reactivity changes. There were no core alterations or positive reactivity changes in progress at the time of the loss of the source range detector. No core alterations or positive reactivity changes were performed while the detector was inoperable.

Designation of Apparent Cause of Occurrence: The cause of the occurrence was a problem in coordination of work being performed per several different FCRs. The cables were to have been spared by several previous FCRs prior to being cut per FCR 79-401. The FCR should have contained a warning of the required inter-relationships between the FCRs which had to be completed prior to cutting the cable.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The cut cable resulted in a loss of only one of two source range neutron flux indications. The signal is used for indication only and does not perform any control function when the reactor is tripped. No core alterations or positive reactivity changes were being performed at the time of the loss of the detector.

Corrective Action: The power supply for source range detector NI-2 was deenergized, and the cut cable was reconnected to the bulkhead connector and remounted to the penetration phenolic plate. To provide operability, the "NI Detector Post Functional Test", IC 2002.03, and the "Source Range Functional Test", ST 5091.01, were performed, and source range detector NI-2 was declared operable at 1400 hours on March 27, 1982.

All remaining cables to be cut per FCR 79-401 were reverified to be spare prior to restarting work per FCR 79-401.

1 | Nuclear Facility Engineering Procedure, NFEP-010, "Processing Facility Change Requests", has been modified to require that prerequisites to implementing an FCR supplement be noted in the "Engineering Summary of Plans and Precautions" section of the FCR form.

Failure Data: Although there have been previous failures of source range neutron flux indication, the causes of the loss were not similar to this occurrence.

LER #82-018



February 20, 1985

Log No. K85-423
File: RR 2 (NP-33-82-22)

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

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

Gentlemen:

Enclosed is Revision 1 to Licensee Event Report 82-018. The revisions to the report are indicated by a "1" in the left margin of each page.

Please destroy or mark superseded your previous copy of this report, and replace with the attached revision.

Yours truly,

A handwritten signature in cursive script that reads "Stephen M. Quennoz".

Stephen M. Quennoz
Plant Manager
Davis-Besse Nuclear Power Station

SMQ/ljk

Enclosure

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

Mr. Walt Rogers
DB-1 NRC Resident Inspector

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