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 (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

08 |-----| 80
7 6 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

| FACILITY STATUS | | % POWER | OTHER STATUS | (30) | METHOD OF DISCOVERY | DISCOVERY DESCRIPTION | (32) |
|-----------------|---|---------|--------------|------|---------------------|-----------------------|------|
| 7 | 8 | 9 | | | | | 80 |

PERSONNEL EXPOSURES

| PERSONNEL INJURIES | | DESCRIPTION (41) | |
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| TYPE | | DESCRIPTION | |
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| | | | PDR ADOCK 05000344 |

NRC USE ONLY[illegible]

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-83-44

DATE OF EVENT: July 15, 1983

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Failure of RE2007, Safety Features Actuation System (SFAS) Channel 4 Radiation Detector

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWt) = 1995 and Load (Gross MWe) = 667.

Description of Occurrence: On July 15, 1983, at 1435 hours, RE2007, the SFAS Channel 4 Containment Radiation Monitor, failed low. The failure invoked Technical Specification 3.3.2.1, Action 9, requiring the inoperable functional unit to be placed in the tripped condition within one hour. SFAS Channel 4 was tripped by 1445 hours on July 15, 1983.

On July 21, 1983, at 2040 hours RE2007 was declared inoperable due to spiking, once again invoking Technical Specification 3.3.2.1, Action 9.

Designation of Apparent Cause of Occurrence: The cause of the occurrence has been determined to be detector failure. The specific reason for the detector failure has not yet been determined.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. Redundant instrumentation is provided by SFAS Channels 1, 2, and 3. In addition, when the channel was tripped, it was placed in its safety position.

Corrective Action: The detector was initially replaced under Maintenance Work Order 83-3886. Surveillance Test ST 5031.04, the Containment Radiation Monitor Input to the SFAS Refueling Period Calibration, was successfully completed, and RE2007 declared operable at 2020 hours on July 18, 1983.

After the second failure, the detector was again replaced with a new detector under Maintenance Work Order 83-3971. At the present time, RE2007 has not been returned to the operable status.

Toledo Edison personnel, in conjunction with the vendor, are continuing to investigate the cause of these occurrences under Maintenance Work Order 83-4058.

Failure Data: Previous failures of the SFAS containment radiation monitors that have occurred within the past year have been reported in Licensee Event Reports NP-33-82-52 (82-047), NP-33-82-66 (82-055), and NP-33-83-24 (83-018).



August 12, 1983

Log No. K83-1110
File: RR2 (NP-33-83-44)

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:

LER No. 83-036
Davis-Besse Nuclear Power Station Unit 1
Date of Occurrence: July 15, 1983

Enclosed are three copies of Licensee Event Report 83-036 which are being submitted in accordance with Technical Specification 6.9 to provide 30 day written notification of the subject occurrence.

Yours truly,

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

TDM/ljk

Enclosures

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

AUG 17 1983

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