

## LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CON'T  
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 (NP-33-81-77) On 10/3/81 at 0104 hours and on 10/20/81 at 0300 hours, absolute posi-

0 3 tion indication (API) on Group 4 Rod 7 became erratic, fluctuating 5-10% of full

0 4 range. Asymmetric rod fault alarms were received and the station entered the action

0 5 statement of Technical Specification 3.1.3.3.a.2. The rod was placed in asymmetric

0 6 bypasses and its position verified by relative position indication and actuation of

0 7 its zone reference light. There was no danger to the health and safety of the public

0 8 or station personnel.

0 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SYSTEM CODE: R B (11) CAUSE CODE: E (12) CAUSE SUBCODE: A (13) COMPONENT CODE: I N S T R U (14) COMP SUBCODE: X (15) VALVE SUBCODE: Z (16)

LER/RO REPORT NUMBER: 2 (17) EVENT YEAR: 8 1 (21) SEQUENTIAL REPORT NO.: 0 6 1 (24) OCCURRENCE CODE: 0 3 (28) REPORT TYPE: X (30) REVISION NO.: 2 (32)

ACTION TAKEN: A (18) FUTURE ACTION: Z (19) EFFECT ON PLANT: Z (20) SHUTDOWN METHOD: Z (21) HOURS: 0 0 0 0 (22) ATTACHMENT SUBMITTED: Y (23) NPRD-4 FORM SUB: N (24) PRIME COMP. SUPPLIER: Z (25) COMPONENT MANUFACTURER: Z 9 9 9 (26)

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of this occurrence was a loss of signal in the electrical penetration

1 1 module. The electrical penetration module was replaced under Facility Change

1 2 Request 79-401.

1 3

1 4

1 5 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

FACILITY STATUS: E (28) % POWER: 0 9 9 (29) OTHER STATUS: NA (30) METHOD OF DISCOVERY: A (31) DISCOVERY DESCRIPTION: Operator Observation (32)

ACTIVITY CONTENT: Z (33) RELEASE OF RELEASE: Z (34) AMOUNT OF ACTIVITY: NA (35) LOCATION OF RELEASE: NA (36)

PERSONNEL EXPOSURES: NUMBER: 0 0 0 (37) TYPE: Z (38) DESCRIPTION: NA (39)

PERSONNEL INJURIES: NUMBER: 0 0 0 (40) DESCRIPTION: NA (41)

LOSS OF OR DAMAGE TO FACILITY: TYPE: Z (42) DESCRIPTION: NA (43)

PUBLICITY: ISSUED: N (44) DESCRIPTION: NA (45)

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PDR ADOCK 05000346  
S PLR

NRC USE ONLY

DVR 81-177

and 81-178

NAME OF PREPARER

Ron Uebbing

PHONE (419) 259-5000 Ext.294

TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-77

DATE OF EVENT: October 3, 1981 and October 20, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Group 4, Rod 7 Absolute Position Indication (API) inoperable due to erratic indication.

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 2606 and Load (Gross MWe) = 870 on October 3, 1981. The unit was in Mode 1 with Power (MWT) = 1420 and Load (Gross MWe) = 442 on October 20, 1981. .

Description of Occurrence: On October 3, 1981, at 0104 hours, Group 4, Rod 7 API indication dropped from an indicated level of greater than 100% to an indicated level of 96%. This caused an asymmetric rod alarm on the operators console.

On October 20, 1981 at 0300 hours, several asymmetric rod alarms and asymmetric rod fault alarms were received when API indication dropped from greater than 100% to approximately 90%.

The API was declared inoperable. The unit entered the action statement (a) of Technical Specification 3.1.3.3. This Technical Specification requires all APIs to be operable in Modes 1 and 2. The rod was placed in asymmetric bypass and its position verified by relative position indication and actuation of its zone reference light.

Designation of Apparent Cause of Occurrence: Under Facility Change Request 81-080, the cause of this occurrence has been determined to be a loss of signal in the electrical penetration module.

Analysis of Occurrence: There was no danger to the health and safety of the public or station personnel. The relative position indicator and the zone reference indication for Group 4, Rod 7 were operable during the period that the API indication was erratic and inoperable.

Corrective Action: Surveillance Requirement 4.1.3.3, as well as the action statement (a)(2) of Technical Specification 3.1.3.3, were followed for each occurrence. The penetration modules for Group 4, Rod 7 API have been replaced under Facility Change Request 79-401.

Failure Data: Previous occurrences of API indication failures have been reported in Licensee Event Reports NP-33-78-144 (78-122), NP-33-78-149 (78-127), NP-33-79-31 (79-027), NP-33-79-90 (79-072), NP-33-79-97 (79-083), NP-33-79-137 (79-120), NP-33-81-11 (81-012), and NP-33-81-21 (81-019).

LER #81-061



December 29, 1983

Log No. K83-1774  
File: RR 2 (NP-33-81-77)

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 2 to Licensee Event Report 81-061 including revised supplemental information sheet. The revisions to the report are indicated by a "2" 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 /smg*

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

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