

NRC FORM 356
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|-----------------|--|-----------------|--|-------|--|---|--|------------------|--|----------------------|--|------------------------|--|--|--|
| CONTROL BLOCK: 1 | | | | | | | | | | (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) | | | | | | | | | |
| 01 | | M I B R P 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 | | | | | | | | | | 5 | | | | | | | |
| 7 8 | | 9 14 15 25 26 30 37 CAT 58 | | | | | | | | | | | | | | | | | |
| CON'T | | REPORT SOURCE L 6 0 5 0 - 0 1 5 5 7 1 0 3 1 7 8 8 1 1 2 9 7 8 9 | | | | | | | | | | | | | | | | | |
| 7 8 | | 60 61 68 69 74 75 80 | | | | | | | | | | | | | | | | | |
| EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) | | | | | | | | | | | | | | | | | | | |
| 02 | | During plant startup at 0334 hours on 10/31/78, control rod drive tempera- | | | | | | | | | | | | | | | | | |
| 03 | | ture on Drive E-2 was observed to be above 350°F as described in T/S 5.2.2c. | | | | | | | | | | | | | | | | | |
| 04 | | Adequate drive cooling was established by using the alternate control rod | | | | | | | | | | | | | | | | | |
| 05 | | drive pump and closing the selector valves to the drive; however, excessive | | | | | | | | | | | | | | | | | |
| 06 | | leakage was observed at E-2 drive flange connection and a controlled shut- | | | | | | | | | | | | | | | | | |
| 07 | | down was initiated. Event similar to RO-78-38. | | | | | | | | | | | | | | | | | |
| 08 | | | | | | | | | | | | | | | | | | | |
| 7 8 9 | | | | | | | | | | | | 80 | | | | | | | |
| 09 | | SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE | | | | | | | | | | | | | | | | | |
| 7 8 | | 9 10 11 12 13 18 19 20 | | | | | | | | | | | | | | | | | |
| | | R B 11 E 12 X 13 C R D R V E 14 Z 15 Z 16 | | | | | | | | | | | | | | | | | |
| 17 | | LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO. | | | | | | | | | | | | | | | | | |
| 7 8 | | 21 22 23 24 26 27 28 29 30 31 32 | | | | | | | | | | | | | | | | | |
| | | 7 8 0 4 7 0 3 L 0 | | | | | | | | | | | | | | | | | |
| ACTION TAKEN | | FUTURE ACTION | | EFFECT ON PLANT | | SHUTDOWN METHOD | | HOURS | | ATTACHMENT SUBMITTED | | NPRD-4 FORM SUB. | | PRIME COMP. SUPPLIER | | COMPONENT MANUFACTURER | | | |
| 7 8 | | 9 10 | | 11 12 | | 13 14 | | 15 16 | | 17 18 | | 19 20 | | 21 22 | | 23 24 | | | |
| A 18 Z 19 | | A 20 | | A 21 | | 0 0 7 2 | | N 23 | | N 24 | | N 25 | | G 0 8 0 0 | | 26 | | | |
| CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) | | | | | | | | | | | | | | | | | | | |
| 10 | | Investigation revealed failure of an "O-ring" seal at one of two small hy- | | | | | | | | | | | | | | | | | |
| 11 | | draulic ports on the drive. A new seal ring was installed and tested sat- | | | | | | | | | | | | | | | | | |
| 12 | | isfactorily prior to plant startup. Several recent failures of these "O- | | | | | | | | | | | | | | | | | |
| 13 | | rings" have occurred and the problem is under review with the vendor. | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 7 8 9 | | | | | | | | | | | | | | | | | | | |
| 15 | | FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32) | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| | | C 28 0 0 7 29 N/A A 31 Operator Observation | | | | | | | | | | | | | | | | | |
| 16 | | ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36) | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| | | Z 33 Z 34 NA NA | | | | | | | | | | | | | | | | | |
| 17 | | PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39) | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| | | 0 0 0 37 Z 38 NA | | | | | | | | | | | | | | | | | |
| 18 | | PERSONNEL INJURIES NUMBER DESCRIPTION (41) | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| | | 0 0 0 40 NA | | | | | | | | | | | | | | | | | |
| 19 | | LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43) | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| | | Z 42 NA | | | | | | | | | | | | | | | | | |
| 20 | | PUBLICITY ISSUED DESCRIPTION (45) | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| | | N 44 NA | | | | | | | | | | | | | | | | | |
| NRC USE ONLY | | | | | | | | | | | | | | | | | | | |

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