

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------|----|---------------|---|---|---|---|---|---|---|---------------|---|----|----|------------|---|---|---|---|---|------------|---|---|---|----|----|-------------|--|--|--|-------------|--|--|--|--|--|----|--|--|--|
| 0 | 1 | REPORT SOURCE | | | | | | | | | | DOCKET NUMBER | | | | | | | | | | EVENT DATE | | | | | | | | | | REPORT DATE | | | | | | | | | |
| 7 | 8 | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 1 | 7 | 7 | 1 | 0 | 0 | 1 | 8 | 1 | 8 | 1 | 0 | 3 | 0 | 8 | 1 | 9 | | | | | | | | | | | | | | | |
| | | 60 | 61 | DOCKET NUMBER | | | | | | | | | | 68 | 69 | EVENT DATE | | | | | | | | | | 74 | 75 | REPORT DATE | | | | | | | | | | 80 | | | |

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

At 0230, 0900 on 10/6/81 and again at 0800 on 10/16/81, during normal operation, Reactor Protective System Channel D Lo Flow Trip was bypassed for corrective maintenance (T.S. 3.3.1.1). The trip unit was returned to service at 1345 on 10/2/81, at 0930 on 10/6/81 and again at 2000 on 10/16/81. The three redundant channels remained operable during this event. LER 77-40/50-318 describes a similar event.

| | | | | | | | | | | | | | |
|-----------------------------------|--|----------------------------|--|--------------------------|--|-------------------------------|--|-------------------|--|---------------------------|--|---------------------------|--|
| SYSTEM CODE I A | | CAUSE CODE E | | CAUSE SUBCODE E | | COMPONENT CODE I N S T R U | | | | COMP. SUBCODE X | | VALVE SUBCODE Z | |
| EVENT YEAR 8 1 | | SEQUENTIAL REPORT NO. — | | OCCURRENCE CODE 0 7 2 | | REPORT TYPE L | | REVISION NO. 0 | | | | | |
| ACTION TAKEN C | | FUTURE ACTION Z | | EFFECT ON PLANT Z | | SHUTDOWN METHOD Z | | HOURS 0 0 0 0 | | ATTACHMENT SUBMITTED Y | | PRIME COMP. SUPPLIER N | |
| LER RD REPORT NUMBER 17 | | | | | | | | | | | | | |
| ACTION TAKEN C | | FUTURE ACTION Z | | EFFECT ON PLANT Z | | SHUTDOWN METHOD Z | | HOURS 0 0 0 0 | | ATTACHMENT SUBMITTED Y | | PRIME COMP. SUPPLIER N | |
| COMPONENT MANUFACTURER F 1 8 0 | | | | | | | | | | | | | |

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Flow characterizer 1-PDY-121D (Foxboro #M-66NB) was found to have inter-

1 1 mittently low output signal for a proper input signal level. The instru-

1 2 ment was replaced with a spare and will be returned to its manufacturer

1 3 for repair. One spare failed after 10 days of service. No preventive

1 4 action is planned, pending the manufacturer's report following repairs.

| FACILITY STATUS | | % POWER | | OTHER STATUS | | METHOD OF DISCOVERY | | DISCOVERY DESCRIPTION | |
|-------------------------------|---|---------------------|----|--------------------|----|---------------------|----|-----------------------|----|
| 1 | 5 | E | 28 | 1 | 0 | 0 | 29 | NA | 30 |
| ACTIVITY CONTENT | | RELEASED OF RELEASE | | AMOUNT OF ACTIVITY | | LOCATION OF RELEASE | | 36 | |
| 1 | 6 | Z | 33 | Z | 34 | NA | 35 | NA | 36 |
| PERSONNEL EXPOSURES | | NUMBER | | TYPE | | DESCRIPTION | | 39 | |
| 1 | 7 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39 |
| PERSONNEL INJURIES | | NUMBER | | DESCRIPTION | | | | 41 | |
| 1 | 8 | 0 | 0 | 0 | 40 | | | NA | 41 |
| LOSS OF OR DAMAGE TO FACILITY | | TYPE | | DESCRIPTION | | | | 43 | |
| 1 | 9 | Z | 42 | | | NA | | | 43 |
| PUBLICITY | | ISSUED | | DESCRIPTION | | | | 45 | |
| 2 | 0 | N | 44 | | | NA | | | 45 |
| PDR | | ADOCK | | 05000317 | | PDR | | NRC USE ONLY | |

NAME OF PREPARER J. S. Lagiewski/P. G. Rizzo

PHONE: 301-269-4747/4786

LER NO. 81-72/3L
DOCKET NO. 50-317
LICENSE NO. DPR-53
EVENT DATE 10-01-81
REPORT DATE 10-30-81
ATTACHMENT

REV 2U
3 100378

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

On 10/1/81, troubleshooting revealed a low output signal condition for I-PDY-121D (Foxboro #M-66NB), the No. 12 Reactor Coolant System Loop flow signal characterizer. This caused spurious low flow trips on Channel D Reactor Protective System (RPS). During the troubleshooting, the symptom disappeared. Maintenance personnel held open a Maintenance Request for observation of the loop.

On 10/6/81, upon receipt of more pretrip and trip alarms from RPS Ch. D Flow trip unit, I-PDY-121D was proven failed. For normal input signal level, the output was varying and was low. A spare instrument was calibrated and installed in place of the malfunctioning instrument.

On 10/16/81, the newly installed spare instrument failed. Its output was low and steady.

Both instruments experienced electronic failure. The characterizer replaced on 10/6/81 failed after extended service. It will be returned to its manufacturer for repair and failure analysis. The characterizer replaced on 10/16/81 will also be returned to the manufacturer for repair and analysis. Review of the manufacturer's report on the cause of failure may indicate that preventive action is feasible to prevent similar occurrences. No preventive action is indicated by known circumstances of the instrument's procurement, handling and installation.