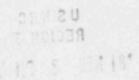
## LICENSEE EVENT REPORT

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CONTROL BLOCK:
0 1 M D C C N 1 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5 57 CAT 58 5
CON'T    0   1     REPORT   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     5   SOURCE   60   61   DOCKET NUMBER   68   69   EVENT DATE   74   75   REPORT DATE   80   9     EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 2 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
0 5 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
[0]8] event.
SYSTEM   CAUSE   COMPONENT CODE   COMPONENT CODE   SUBCODE   SUB
33 34 35 36 37 40 41 42 43 44 47  CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
Flow characterizer 1-PDY-121D (Foxboro #M-66NB) was found to have inter-
mittently low output signal for a proper input signal level. The instru-
ment was replaced with a spare and will be returned to its manufacturer
for repair. One spare failed after 10 days of service. No preventive
action is planned, pending the manufacturer's report following repairs.
The status   The
7 8 3 CONTENT ACTIVITY CONTENT RELEASE OF RELEASE AMOUNT OF ACTIVITY (35)  1 6 Z 33 Z 34 NA
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39 NA NA NA
PERSONNEL INJURIES NUMBER DESCRIPTION (41) NA
7 8 9 11 12 LOSS OF OR DAMAGE TO FACILITY (43)
1 9 Z 42 NA
PUBLICITY   SSUED DESCRIPTION (45)   PDR ADDCK 05000317   PDR ADDCK 05000317   PDR   PDR
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



## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

On 10/1/81, troubleshooting revealed a low output signal condition for I-PDY-12ID (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-12ID 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.