CONTROL BLOCK:
10 1 M D C C N 1 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 1 4 5 6 5
CON'T 0 1 REPORT L 6 0 5 0 0 0 3 1 7 7 0 2 1 7 8 1 8 0 3 1 9 8 1 9 7
During power operation at 1300, discovered that ESFAS Channel ZD No. 12
Steam Generator pressure 1-E/E-1023A isolator was out of specification
[0]4] in the non-conservative direction (T.S. 3.3.2.1). The E/E module was re-
placed, and Channel ZD No. 12 Steam Generator pressure was back in ser-
vice at 1630. All redundant channels remained operable during this time
period. This event had no impact on the public health or safety. LERS
0 8 81-07 and 50-318/81-08 describe similar events.
SYSTEM CAUSE CALJE COMPONENT CODE SUBCODE SUBC
LERIRO EVENT YEAR SEQUENTIAL REPORT NO. 17 REPORT 8 1
Transmation Isolator (2301T) 7-E/E-1023A was found to have a non-linear
output. It was replaced with a spare. The instrument would have allowed
one of four Steam Generator Low Pressure Block bistables to reset at
less than 685 psia required by Technical Specifications. Facility Change
30-25 will modify these isolators to increase their reliability.
The status of th
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 NA LOCATION OF RELEASE 36 NA LOCATION OF RELEASE 36 NA SO RELEASE 36
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39) 1 7 0 0 0 (37) Z (38) NA
7 8 9 11 12 13 80 PERSUNNEL INJURIES
1 8 0 0 0 40 NA NA 80
TYPE DESCRIPTION NA
7 8 9 10
ISSUED DESCRIPTION (45) NA
810609059 PREPARER R.L. Wenderlich/P.G. Rizzo PHONE (301) 269-4776/4736

LER NO. 81-03/3L
DOCKET NO. 50-317
LICENSE NO. DPR-53
EVENT DATE 02-17-81
REPORT DATE 03-19-81
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

Transmation Isolator (Model 230IT) I-E/E-1023A was found to have a non-linear output after plant operators noted a deviation among indications of Steam Generator #12 Pressure.

As found readings showed its effect on the Channel ZD No. 12 Steam Generator Low Pressure Trip bistable was negligible. However, in the range of the No. 12 Steam Generator Low Pressure Block bistable, its output was high such that the Channel ZD Block bistable would have reset approximately 13 psia below its limit.

The blocking function is enabled by a 3 of 4 channel trip matrix and is removed automatically when 2 of 4 channels are reset. Technical Specifications require the automatic removal of the Block (or Bypass) function at or above 685 psia Steam Generator Pressure.

A facility change (No. 80-25) will be performed on this and similar instruments to increase their reliability. The change replaces capacitors with high failure rates with more durable components.