

LICENSEE EVENT REPORT

CONTROL BLOCK: 1111111111 (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

7 8 9 018 | SCHBR2 | 200-0000-00 | 341111 | 4111 | 457 | 1111 | 457 | 1111 | 4578 | 9 | 5
 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T
 7 8 9 01 | REPORT SOURCE | L605000261 | 7012982 | 8022482 | 9
 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

0 2 | EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) | On January 29, 1982, at approximately 1100 hours with the unit at 81% power, instrument
 0 3 | TC-412B (Dual Comparator - Loop 1, Overpower ΔT) was found to be out of acceptable
 0 4 | tolerance in the non-conservative direction during the performance of Periodic Test
 0 5 | (PT) 5.1. This event resulted in a degraded mode permitted by a Limiting Condition
 0 6 | For Operation as defined by Technical Specification Table 3.5-2 which is reportable
 0 7 | pursuant to 6.9.2.b.2. The redundant instrument channels were operable so there was
 0 8 | no threat to the public health and safety.

7 8 9 09 | SYSTEM CODE | IA | CAUSE CODE | E | CAUSE SUBCODE | G | COMPONENT CODE | INSTRU | COMP. SUBCODE | P | VALVE SUBCODE | Z |
 9 10 11 12 13 18 19 20
 17 | LER/RO REPORT NUMBER | 82 | SEQUENTIAL REPORT NO. | 001 | OCCURRENCE CODE | | REPORT TYPE | L | REVISION NO. | 0
 21 22 23 24 27 28 29 30 31 32
 ACTION TAKEN | C | FUTURE ACTION | Z | EFFECT ON PLANT | Z | SHUTDOWN METHOD | Z | HOURS | 0000 | ATTACHMENT SUBMITTED | Y | NPRD-4 FORM SUB. | N | PRIME COMP. SUPPLIER | N | COMPONENT MANUFACTURER | H015
 33 34 35 36 37 40 41 42 43 44 47

0 9 | CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) | The failure was due to a defective instrument power supply. TC-412B was replaced,
 1 1 | calibrated, tested, and declared operable at 1212 hours on January 29, 1982. Current
 1 2 | testing frequency and maintenance trending are considered adequate to detect and miti-
 1 3 | gate the consequences of future failures of this type. No further action is considered
 1 4 | necessary.

7 8 9 15 | FACILITY STATUS | E | % POWER | 081 | OTHER STATUS (30) | N/A | METHOD OF DISCOVERY | B | DISCOVERY DESCRIPTION (32) | Surveillance Test
 7 8 9 10 12 13 44 45 46 80
16 | ACTIVITY CONTENT RELEASED OF RELEASE | ZZ | AMOUNT OF ACTIVITY (35) | N/A | LOCATION OF RELEASE (36) | N/A
 7 8 9 10 11 44 45 80
17 | PERSONNEL EXPOSURES NUMBER | 000 | TYPE | Z | DESCRIPTION (39) | N/A
 7 8 9 11 12 13 80
18 | PERSONNEL INJURIES NUMBER | 000 | DESCRIPTION (41) | N/A
 7 8 9 11 12 80
19 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | DESCRIPTION (43) | N/A
 7 8 9 10 80

7 8 9 20 | PUBLICITY ISSUED DESCRIPTION (45) | N/A | NRC USE ONLY
 7 8 9 80

SUPPLEMENTAL INFORMATION
FOR
LICENSEE EVENT REPORT 82-001

1. Cause Description and Analysis

On January 29, 1982, at approximately 1100 hours with the unit at 81% power, instrument TC-412B (Dual Comparator - Loop 1, Overpower ΔT) was found to be out of acceptable tolerance in the non-conservative direction during the performance of Periodic Test (PT) 5.1. Specifically, TC-412B required a two volt differential between the setpoint and the input for the trip function to occur. TC-412B was declared inoperable at 1110 hours; the associated bistables were already in the trip position per PT-5.1.

Subsequent investigation determined the cause of the failure to be a defective instrument power supply which resulted in failure of the TC-412B trip function. The cause of the power supply failure was normal end of life for one of the filter capacitors.

This event resulted in operation in a degraded mode permitted by a Limiting Condition For Operation as defined by Technical Specification Table 3.5-2 which is reportable pursuant to 6.9.2.b.2. The redundant instrument channels were operable and capable of performing their intended function so there was no threat to the public health and safety.

2. Corrective Action

The defective instrument, TC-412B, was replaced with a new unit from stock. The new instrument was calibrated and tested satisfactorily along with its associated instrument channel using applicable portions of PT-5.1 and declared operable at 1212 hours on January 29, 1982. PT-5.1 was completed in entirety at 1435 hours.

3. Corrective Action To Prevent Recurrence

This event resulted in an instrument being inoperable due to component failure as analyzed in the FSAR and provided for in the Technical Specifications. The frequency of testing is adequate to detect failures of this type, and current maintenance trending is sufficient to indicate the development of a significant problem. Therefore, no further corrective action is considered necessary.