

LICENSEE EVENT REPORT

Previous report date 6/17/82

CONTROL BLOCK: | | | | | | ①
1 2 3 4 5 6

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | A | L | B | R | F | 1 | ② | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | ③ | 4 | 1 | 1 | 1 | 1 | ④ | | | ⑤
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 37 CAT 58

CON'T
0 1 | R | P | T | S | O | U | R | C | E | L | ⑥ | 0 | 5 | 0 | 0 | 0 | 2 | 5 | 9 | ⑦ | 0 | 3 | 2 | 7 | 8 | 2 | ⑧ | 1 | 0 | 1 | 3 | 8 | 2 | ⑨
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPRCT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

0 2 | With unit 1 at 950 MW and increasing power at 10MW/hr, recirculation pump 1A tripped |
0 3 | due to spurious generator stator relay operation (T.S. 3.6.F.1). The relay was reset |
0 4 | after 20 minutes and the pump returned to service. There was no effect on public |
0 5 | health and safety. T.S. 3.6.F.1 allows operation for up to 24 hours with one |
0 6 | recirculation pump out of service. "B" pump was operable. |
0 7 | |
0 8 | |
7 8 9

0 9 | C | B | ⑪ | X | ⑫ | Z | ⑬ | R | E | L | A | Y | X | ⑭ | A | ⑮ | Z | ⑯ |
7 8 9 10 11 12 13 14 15 16 17 18 19 20
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE

17 | LER/RD REPORT NUMBER | 8 | 2 | ⑰ | | | 0 | 2 | 3 | | | 0 | 3 | | | X | | | 2 | |
21 22 23 24 26 27 28 29 30 31 32
EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
X ⑱ | X | ⑲ | B | ⑳ | Z | ㉑ | 0 | 0 | 0 | 0 | Y | ㉒ | N | ㉓ | N | ㉔ | G | 0 | 8 | 0 | ⑳
33 34 35 36 37 40 41 42 43 44 47
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉖

1 0 | Hi-temp relay (GE model 12IRT51C1A) tripped the generator. This is the only trip |
1 1 | since setpoints were raised in June 1981 after similar trips of pumps 2A, 2B, and |
1 2 | 3A. Special tests of pumps 2A and 2B indicated no generic problem. Possible signal |
1 3 | shielding problems on generators for pumps 2A, 2B, 3A, and 3B were corrected. This |
1 4 | 1A trip is considered a random failure. No other recurrence control planned. |
7 8 9

1 5 | F | ⑳ | 0 | 8 | 6 | ㉑ | NA | ⑳ | A | ㉒ | Operator observation |
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

1 6 | Z | ㉓ | Z | ㉔ | NA | ㉕ | NA | ㉖ |
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

1 7 | 0 | 0 | 0 | ㉗ | Z | ㉘ | NA |
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

1 8 | 0 | 0 | 0 | ㉙ | NA |
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
PERSONNEL INJURIES NUMBER DESCRIPTION

1 9 | Z | ㉚ | NA |
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

2 0 | N | ㉛ | NA | S | 8210290057 821013 PDR ADOCK 05000259 PDR
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
PUBLICITY ISSUED DESCRIPTION NRC USE ONLY

LER SUPPLEMENTAL INFORMATION

BFRO-50- 259 / 82023 R2 Technical Specification Involved 3.6.F.1

Reported Under Technical Specification 6.7.2.b.(2)* Date Due NRC 09/01/82

Event Narrative:

Unit 1 was operating at 950 MW and increasing power at 10 MW/hr; unit 2 was at 1100 MW; unit 3 was in a refueling outage. Units 2 and 3 were unaffected by this event. Recirculation pump 1A tripped due to generator stator temperature relay operation initiated by RTD high temperature. Surveillance Instructions 4.6.A.6 and 4.6.A.7 were performed and the pump returned to service. There was no effect on public health and safety. "1B" pump was operable and "1A" pump was returned to service within the time limits as specified by the Technical Specification 3.6.F.1. Six similar trips have occurred on pumps 2A, 2B, and 3A during the period from February 1980 to June 1981. Since unit 2 had the most trips, special test 81-17 was performed on pumps 2A and 2B on 4/17/82. The purpose of the test was to monitor generator winding temperature under varying load conditions and identify possible generic problems. The resistance readings of RTD's on generators for pumps 1A, 1B, 2B, 3A, and 3B were obtained and each generator winding temperature recorded for reference. These measurements were taken in order to compare RTD's.

During the test, the ground wire connecting the RTD terminal strip ground bar to station ground on the generators for pumps 2A and 2B was found to be missing. These ground bars were connected to ground only by their mounting bolts. A ground wire was installed and generators for pumps 1A, 1B, 3A, and 3B were inspected for similar problems. It was discovered that generators for pumps 1A and 1B were grounded correctly but 3A and 3B were grounded only to the junction box frame. A ground wire was installed on 3A and 3B generators.

Test results and RTD resistance readings were evaluated by General Electric and TVA. Both concluded that there was no evidence of abnormal temperatures, localized hot spots, or generic problems. General Electric stated that this type

* Previous Similar Events: (See attached sheet)

BFRO-50-260/80007, 81009, 80018, 80023;

50-296/81028, 81031

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

LER SUPPLEMENTAL INFORMATION
259/82023 R2

of equipment has been used for years to monitor temperatures with no reported generic problems.

As a part of previous recurrence control, the generator stator temperature relay setpoints were raised from 110 degrees C to 120 degrees C in June 1981. This trip on generator 1A is the only trip to have occurred since that time.

Based on only this isolated occurrence since setpoints were raised, correction of possible shield grounding problems, and the results of the special test, it has been determined that no further recurrence control is required for this or the other listed previous similar events.