

LICENSEE EVENT REPORT

UPDATE REPORT - PREVIOUS REPORT DATE 04-13-79

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

0 1 V A N I A S 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 57 CAT 58

CON'T
0 1 REPORT SOURCE L 6 0 5 0 0 0 3 3 8 7 0 3 0 8 7 9 8 0 7 0 2 7 9 9
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 On 3/8/79 during normal steady state operation, a periodic calibration procedure was
0 3 performed on the Overtemperature Delta T protection circuitry. This procedure revealed
0 4 a nonconservative gain setting on the Delta-Flux signal feeding the Overpower Delta T
0 5 protection circuitry. Redundant circuitry was available, therefore, the health and
0 6 safety of the general public was not affected. This event is reportable as per
0 7 T.S. 6.9.1.9.a.

0 8 80

0 9 SYSTEM CODE I A 11 CAUSE CODE A 12 CAUSE SUBCODE C 13 COMPONENT CODE I N S T R U 14 COMP. SUBCODE X 15 VALVE SUBCODE Z 16
7 8 9 10 11 12 13 14 15 16
17 LER/RO REPORT NUMBER 7 9 21 22 SEQUENTIAL REPORT NO. 0 3 0 24 26 OCCURRENCE CODE 0 3 28 29 REPORT TYPE X 30 REVISION NO. 1 32
ACTION TAKEN E 18 FUTURE ACTION Z 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NPRD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER W 1 2 0 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 The cause of the problem was an improper setting of the delta flux gain. The immediate
1 1 corrective action was to recalibrate the delta flux signal which feeds the over-
1 2 temperature Delta T protection circuitry.
1 3
1 4 300 240

1 5 FACILITY STATUS E 28 % POWER 0 9 8 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Routine Test 32
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
1 6 RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION N/A 39
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION N/A 41
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
2 0 PUBLICITY ISSUED N 44 DESCRIPTION N/A 45
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

POOR ORIGINAL

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Virginia Electric and Power Company
North Anna Power Station, Unit #1
Docket No. 50-338
Report No. LER 79-030/03X-1

Attachment: Page 1 of 1

Description of Event

On 3/8/79 at approximately 0800 an instrument calibration "check" procedure was performed on the Channel III circuitry of Overtemperature ΔT protection. The result of this procedure was the discovery of a non-conservative gain setting on the lower power range detector flux signal which feeds this circuitry.

Probable Consequences of Occurrence

The overtemperature ΔT channel is part of the reactor trip system instrumentation which ensures the reliability, redundancy and diversity in the facility design for the protection and mitigation of accident and transient conditions. Since the redundant channels were still operable and capable of performing the required functions, there was no effect on the safety and health of the general public.

Cause of Occurrence

The cause of improper signal from the lower power range detector to the overtemperature ΔT circuitry was an improper gain setting.

Immediate Corrective Action

The immediate corrective action was to recalibrate the lower power range detector input signal.

Scheduled Corrective Action

No further action is required.

Actions Taken to Prevent Recurrence

No actions other than normal calibration surveillance is considered necessary.