7-77)

LICENSEE EVENT REPORT

Update Report - Previous Report Date 04-19-79

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

0 1 | V A N A S 1 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | (5)

LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T

0 1 | REPORT SOURCE L (6) | 0 5 0 0 0 3 3 8 (7) | 0 3 2 6 7 9 (8) | 0 7 0 2 7 9 (9)

DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | On 3/26/79, during normal steady state operation, a periodic calibration procedure

0 3 | was performed on the Overtemperature Delta T protection circuitry. This procedure

0 4 | revealed a nonconservative output of the upper/lower flux signal summing amplifier

0 5 | in the Overpower Delta T protectior circuitry. Redundant circuitry was available

0 6 | therefore the health and safety of the general public were not affected. This event

0 7 | is reportable as per T.S. 6.9.1.9.a.

0 8 |

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 (16)

(17) LER/RO REPORT NUMBER | EVENT YEAR 7 9 | SEQUENTIAL REPORT NO. 0 4 0 | OCCURRENCE CODE 0 3 | REPORT TYPE X | REVISION NO. 1

ACTION TAKEN E (18) | FUTURE ACTION Z (19) | EFFECT ON PLANT Z (20) | SHUTDOWN METHOD Z (21) | HOURS (22) 0 0 0 0 | ATTACHMENT SUBMITTED Y (23) | NPRD-4 FORM SUB. N (24) | PRIME COMP. SUPPLIER N (25) | COMPONENT MANUFACTURER W 1 2 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The cause of the problem is believed to be instrument drift. The immediate corrective

1 1 | action was to replace the summing amplifier card, (NM-412A) and to recalibrate the

1 2 | appropriate portion of the overtemperature Delta T protection circuitry.

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1 5 | FACILITY STATUS E (28) | % POWER 0 9 8 (29) | OTHER STATUS (30) N/A | METHOD OF DISCOVERY B (31) | DISCOVERY DESCRIPTION (32) Routine Test

1 6 | ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) N/A | LOCATION OF RELEASE (36) N/A

1 7 | PERSONNEL EXPOSURES NUMBER 0 0 0 (37) | TYPE Z (38) | DESCRIPTION (39) N/A

1 8 | PERSONNEL INJURIES NUMBER 0 0 0 (40) | DESCRIPTION (41) N/A

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) | DESCRIPTION N/A

2 0 | PUBLICITY ISSUED N (44) | DESCRIPTION (45) N/A | NRC USE ONLY

POOR ORIGINAL

7907060334

NAME OF PREPARER W. R. Cartwright PHONE: 703-894-5151

NRC 76-926

Update Report - Previous Report Date 04-19-79

Virginia Electric and Power Company
North Anna Power Station, Unit #1
Docket No. 50-338
Report No. LER 79-040/03X-1

Attachment: Page 1 of 1

Description of Event

On 3/26/79 at approximately 1015, an instrument calibration "check" procedure was performed on the Channel I circuitry of Overtemperature Delta T protection. The result of this procedure was the discovery of a non-conservative upper/lower flux summing amp output which effectively raised the overtemperature Delta T. setpoint.

Probable Consequences of Occurrence

The overtemperature Delta T channel is part of the reactor trip system instrumentation which ensures the reliability, redundance 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 this occurrence is believed to be instrument drift.

Immediate Corrective Action

The immediate corrective action was to replace the upper/lower flux signal summing amplifier (NM-412A) and recalibrate this card as per the appropriate instrument calibration procedure.

Scheduled Corrective Action

No further action is required.

Actions Taken to Prevent Recurrence

No actions other than normal calibration surveillance is considered necessary.

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