NRC FORM 366 U. S. NUCLEAR REGULATORY COMMISSION (7.77) LICENSEE EVENT REPORT (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) CONTROL BLOCK: 10 0 $\left| (3) \right|$ 4 1 1 1 1 (4) AN 0 10 0 A LICENSEE CODE CON'T 71 21 81 REPORT 7 0 17 12 17 17 19 (3) 11 600500 13 8 (13 0 1 0 SOURCE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) During a rapid power reduction and the subsequent increase in power, the Axial Flux 0 2 Difference deviated greater than 5% from target for a total cumulative penalty of 104 03 minutes. This event occurred between 0849 (7/27/79) and 1730 (7/27/79) and power was 0 4 restricted to less than 50% until 1730 of the following day (7/28/79) as per action 0 5 statement a.2.a.1 of T.S. 3.2.1. This event is reportable as per T.S. 6.9.1.9.b 0 6 The health and safety of the general public were not affected by this event. 0 0 8 9 SYSTEM VALVE COMP CAUSE CAUSE CODE SUBCODE COMPONENT CODE SUBCODE Z (16) 0 9 18 OCCURRENCE REVISION SEQUENTIAL REPORT REPORT NO. CODE EVENT YEAR TYPE NO. LER/RO 13 REPORT 10 9 1 0 9 5 ATTACHMENT SUBMITTED NPRD-4 PRIME COMP. COMPONENT ACTION FUTURE TAKEN ACTION EFFECT ON PLANT SHUTDOWN METHOD (22) HOURS MANUFACTURER FORM SUB SUPPLIER Z 9 9 19 (18) Z B (20 7 (21) 0 101 2 (23) LN (24) LZ_ (25) 19 4 43 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) 1 0 The cause of the AFD deviation was power reduction necessitated by blowing packing on FCV-1478. Immediate corrective action was power and control rod manipulations by 1 1 the control room operator. Further action was to hold power at 50% for 24 hours 1 1 3 4 80 9 FACILITY METHOD OF (30)DISCOVERY DESCRIPTION (32) OTHER STATUS % POWER DISCOVERY F (28) (31) 5 0 8 A Operator Observation 44 46 80 ACTIVITY CONTENT LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35 RELEASED_ OF RELEASE N/A Z (33) Z (34) 6 NZA 10 44 80 11 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER TYPE 0 Z (38) 0 N/A 80 PERSONNEL INJURIES DESCRIPTION (41) NUMBER 0 0 (40)A/A 11 80 LOSS OF OR DAMAGE TO FACILITY (43) DESCRIPTION TYPE Z (42) N/A PUBLICITY NRC USE ONLY DESCRIPTION (45 ISSUED N (44) N/A 11111 790824049 63 69 80. NAME OF PREPARER W. R. Cartwright PHONE: 703-894-5151

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Virginia Electric and Power Company North Anna Power Station, Unit #1 Docket No. 50-338 Report No. 79-095/03L-0

Description of Event

On 7-27-79 the Axial Flux Difference deviated greater than 5% from target for a total cumulative penalty of 104 minutes. This event occurred between the hours of 0849 and 1730. Power was restricted to less than 50% until 1730 of 7/28/79 as per action statement a.2.a.1 of T.S. 3.2.1.

This event is reportable as per T.S. 6.9.1.9.b and there are no generic implications.

Probable Consequences of Occurrence

Surveillance of the Axial Flux Difference assures that the limits of the heat flux hot channel factor are not exceeded during normal operation or in the event of xenon redistribution following power changes. This provides protection against exceeding the DNBR and peak fuel clad temperatures.

Since power was held less than 50% for 24 hours as required by Tech Specs, there was no effect upon the safe operation of the plant. As a result, the public health and safety were not affected.

Cause of Occurrence

The AFD deviation was the result of a power reduction necessitated by blown packing on FCV-1478.

Immediate Corective Action

The control room operator restored the AFD to within the target band by a power reduction and control rod insertion. Power level was held at 50% for 24 hours as required by Tech. Specs.

Schedule! Corrective Action

None required.

Actions Taken to Prevent Recurrences

No further action is required.