

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01	V	A	N	A	S	1	2	0	0	-	0	0	0	0	0	0	0	3	4	1	1	1	1	4		5																	
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LICENSEE CODE														LICENSE NUMBER										LICENSE TYPE										CAT 58									

CONT

01	L	6	0	5	0	0	0	3	3	8	7	0	5	0	8	7	9	8	0	6	0	6	7	9	9														
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REPORT SOURCE										DOCKET NUMBER										EVENT DATE										REPORT DATE									

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02	During a load transient, the axial flux difference, (AFD) deviated greater than 5% from																														
03	target for 4 minutes. This is contrary to T.S. 3.2.1. Action Statement a.1 of T.S.																														
04	3.2.1 was entered and the AFD was restored to its target band. This event is																														
05	reportable as per T.S. 6.9.1.9.b. This event did not affect the health or safety of																														
06	the general public.																														
07																															
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SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE										COMP. SUBCODE		VALVE SUBCODE		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																											
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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10	The cause of the axial flux deviation was a rapid load reduction of 100 MW due to the																														
11	loss of H. P. Drain Pump "A".																														
12	Immediate corrective action was to withdraw control rods which restored the AFD to																														
13	its target band. No further corrective action was required.																														
14																															

15	F	28	0	9	6	29	N/A	30	A	31	Operator Observation																				32																																
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION																																																							
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Virginia Electric and Power Company
North Anna Power Station, Unit #1
Docket No. 50-338
Report No. LER 79-069/03L-0

Attachment: Page 1 of 1

Description of Event

On 5-8-79, during a load transient, the axial flux difference (AFD) deviated greater than - 5% from target for a 4 minute time period. This is contrary to T.S. 3.2.1.

Action statement a.1 of T.S. 3.2.1 was entered and the AFD was returned to within its target band within the 15 minute time allowance.

This event is reportable as per T.S. 6.9.1.9.b.

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 the AFD was returned to its limit within the time allowed, there was no effect upon the safe operation of the plant. As a result, the public health and safety was not affected.

Cause of Occurrence

The cause of the AFD deviation was a rapid load reduction of 100 MWe necessitated by the loss of H. P. Drain Pump "A".

Immediate Corrective Action

Corrective action was a rod withdrawal by the operator which returned the AFD to within the target band.

Scheduled Corrective Action

No further action required.

Actions Taken To Prevent Recurrence

No further action required.

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