

U.S. NUCLEAR REGULATORY COMMISSION
LICENSEE EVENT REPORT

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
 /0/1/ REPORT /L/ (6) /0/5/0/0/0/3/3/8/ (7) /1/1/1/1/8/1/ (8) /1/1/2/0/8/1/ (9)
 SOURCE DOC'ET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On November 11, 1981, with Unit No. 1 at 70% power, the Axial Flux Difference de-/
 /0/3/ / viated greater than -5% from the target for a duration of 12 minutes. Since the /
 /0/4/ / Axial Flux Difference was restored to within the operating band in accordance /
 /0/5/ / with the action statement for T.S. 3.2.1, the public health and safety were not /
 /0/6/ / affected. This event is reportable pursuant to T.S. 6.9.1.9.b. /
 /0/7/ / /
 /0/8/ / /

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
/0/9/ /R/C/ (11)	/X/ (12)	/Z/ (13)	/Z/Z/Z/Z/Z/Z/ (14)	/Z/ (15)	/Z/ (16)
LER/RO REPORT NUMBER	EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
(17)	/8/1/	/-/	/0/7/8/	/ \ /	/0/3/
	/L/	/-/	/0/		

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
/X/ (18)	/Z/ (19)	/Z/ (20)	/Z/ (21)	/0/0/0/0/ (22)	/Y/ (23)	/N/ (24)	/Z/ (25)	/Z/9/9/9/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / The cause of the Axial Flux Difference deviation was due to a rapid power reduc- /
 /1/1/ / tion (5%/minute) necessitated by a fire on "C" main feedwater pump. The correc- /
 /1/2/ / tive action was to commence boration at an increased rate until the flux devia- /
 /1/3/ / tion was corrected. /
 /1/4/ / /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/ /X/ (28)	/0/7/0/ (29)	/ NA / (30)	/A/ (31)	/ Operator Observation /
ACTIVITY	CONTENT	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)	
/1/6/ /Z/ (33)	/Z/ (34)	/ NA /	/ NA /	
PERSONNEL EXPOSURES	TYPE	DESCRIPTION (39)		
/1/7/ /0/0/0/ (37)	/Z/ (38)	/ NA /		
PERSONNEL INJURIES	DESCRIPTION (41)			
/1/8/ /0/0/0/ (40)	/ NA /			
LOSS OF OR DAMAGE TO FACILITY	DESCRIPTION (43)			
/1/9/ /Z/ (42)	/ NA /			
PUBLICITY	DESCRIPTION (45)			
/2/0/ /N/ (44)	/ NA /			

NRC USE ONLY

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Virginia Electric and Power Company
North Anna Power Station, Unit No. 1
Docket No. 50-338
Report No. LER 81-078/03L-0

Attachment: Page 1 of 1

Description of Event

On November 11, 1981, with Unit No. 1 in mode 1 at 70% power, the Axial Flux Difference deviated from the target band by greater than $\pm 5\%$ for a period of 12 minutes. This event is contrary to T.S. 3.2.1 and reportable pursuant to T.S. 6.9.1.9.b.

Probable Consequences of Occurrence

Since the Axial Flux Difference was brought back within $\pm 5\%$ of the target band within one hour, the public health and safety were not affected.

Cause of Event

The cause of the occurrence was due to a rapid power reduction that was necessitated by a reported fire in "C" main feedwater pump. This power reduction required the control rods to be used for temperature control thereby depressing flux towards the bottom of the core and out of the target band.

Immediate Corrective Action

The immediate corrective action was to commence boration to the core at an increased rate, and to withdraw control rods as necessary until the axial flux difference was within specification.

Scheduled Corrective Action

No scheduled corrective action is required.

Actions Taken to Prevent Recurrence

No further actions are required.

Generic Implications

There are no generic implications to this event.