

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On November 26, 1981, while in Mode 1 operation, the Axial Flux difference de- /  
 /0/3/ / viated from the target band during the performance of the Moderator Temperature /  
 /0/4/ / Coefficient test. The difference went less than - 5% from target for about 1 /  
 /0/5/ / minute on 2 of 4 channels. Since the Flux difference was restored to within the /  
 /0/6/ / the +/- 5% band within the requirements of T.S. 3.2.1, the health and safety of /  
 /0/7/ / the public was not affected. This event is reportable pursuant to T.S. 6.9.1.9. /  
 /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/	/-/ /0/8/6/	/ \ /	/0/3/	/L/ /-/ /0/

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	SHUTDOWN HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
/X/ (18)	/Z/ (19)	/B/ (20)	/Z/ (21)	/0/0/0/3/ (22)	/Y/ (23)	/N/ (24)	/N/ (25)	/W/1/2/0/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / The Axial Flux Difference > - 5% occurred when Tave was reduced by boration for a /  
 /1/1/ / measurement of the Moderator Temperature Coefficient as required by T.S. 3.1.1.4 /  
 /1/2/ / causing a slight flux oscillation. Reactor power was reduced to bring the flux /  
 /1/3/ / difference within the target band. /  
 /1/4/ /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/ /E/ (28)	/1/0/0/ (29)	/ NA / (30)	/B/ (31)	/ Operator Observation /

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

PERSONNEL EXPOSURES NUMBER	TYPE	DESCRIPTION (39)
/1/7/ /0/0/0/ (37)	/Z/ (38)	/ NA /

PERSONNEL INJURIES NUMBER	DESCRIPTION (41)
/1/8/ /0/0/0/ (40)	/ NA /

LOSS OF OR DAMAGE TO FACILITY TYPE	DESCRIPTION (43)
/1/9/ /Z/ (42)	/ NA /

PUBLICITY ISSUED	DESCRIPTION (45)	8112290460 PDR	811217 05000339 PDR	NRC USE ONLY
/2/0/ /N/ (44)	/ NA /	S		/ / / / / / / / / / / / / / / /

NAME OF PREPARER W. R. CARTWRIGHT PHONE (703) 894-5151

Virginia Electric and Power Company  
North Anna Power Station, Unit No. 2  
Docket No. 50-339  
Report No. LER 81-086/03L-0

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#### Description of Event

On November 26, 1981 during Mode 1 operation, the Axial Flux Difference went less than -5% from target on 2 of 4 channels. This event is contrary to T.S. 3.2.1 and is reportable pursuant to T.S. 6.9.1.9.b.

#### Probable Consequences of Occurrence

Since the Axial Flux Difference was brought to within the  $\pm 5\%$  target band within 15 minutes as required by the Action Statement, the health and safety of the public were not affected.

#### Cause of Event

This event occurred during the performance of the Moderator Temperature Coefficient measurement. This required that the average coolant temperature be reduced by 4°F by boration while maintaining a steady state power. The resulting flux oscillation caused the Axial Flux Difference to exceed the  $\pm 5\%$  limit.

#### Immediate Corrective Action

Reactor power was reduced to 97.5% to bring Axial Flux to within the target band. The Axial Flux Difference was restored to within target band in 1 minute.

#### Scheduled Corrective Action

No further action required.

#### Actions Taken to Prevent Recurrence

No further action required.

#### Generic Implications

There are no generic implications this event.