

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 /L/ (6) /0/5/0/0/0/3/3/9/ (7) /0/5/0/8/8/1/ (8) /0/6/0/4/8/1/ (9)  
 SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On May 8, 1981, during a rampdown from full power for a scheduled outage, boron/  
 /0/3/ / was injected into the core to maintain rod height. At 79% power and decreasing/  
 /0/4/ / the Axial Flux Difference deviated greater than 5% from the target for a total /  
 /0/5/ / of 28 penalty minutes. Because the indicated Axial Flux Difference was within /  
 /0/6/ / the limits shown on Fig. 3.2-1 of T.S. 3.2.1, the public health and safety were/  
 /0/7/ / not affected. This event is reportable pursuant to T.S. 6.3.1.9.b. /  
 /0/8/ /

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
/0/9/ /R/C/ (11)	/A/ (12)	/A/ (13)	/Z/Z/Z/Z/Z/Z/ (14)	/Z/ (15)	/Z/ (16)
LER/RO	EVENT YEAR	SEQUENTIAL	OCCURRENCE	REPORT	REVISION
(17) REPORT		REPORT NO.	CODE	TYPE	NO.
NUMBER	/8/1/	/-/	/0/4/0/	/ \ /	/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)	/H/ (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 power distribution deviated from the target delta flux band during power /  
 /1/1/ / reduction due to the control rods being high in the core. Delta flux was /  
 /1/2/ / returned within the target band by inserting rods as the power reduction /  
 /1/3/ / continued. /  
 /1/4/ /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/ /D/ (28)	/0/7/9/ (29)	/ NA / (30)	/A/ (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)	NRC USE ONLY
/2/0/ /N/ (44)	/ NA /	/ / / / / / / / / / / / / / / /

8106090 588 NAME OF PREPARER W. R. CARTWRIGHT PHONE (703) 894-5151

Virginia Electric and Power Company  
North Anna Power Station, Unit #2  
Docket No. 50-339  
Report No. LER 81-040/03L-0

Attachment: Page 1 of 1

#### Description of Event

On May 8, 1981, while ramping down from 100% power for a scheduled outage, the core was borated to maintain rods high in the core. At 79% power and decreasing, the Axial Flux Difference deviated greater than 5% from the target band. A 28 minute penalty deviation was accumulated. 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 indicated Axial Flux Difference remained within the limits shown on Figure 3.2-1, the health and safety of the general public were not affected.

#### Cause of Event

The Axial Flux Difference deviation was caused by the control rods being high in the core during the power reduction.

#### Immediate Corrective Action

Delta flux was returned within the target band by inserting the rods as the power reduction continued.

#### Scheduled Corrective Action

There are no scheduled corrective actions required.

#### Actions Taken to Prevent Recurrence

Importance of maintaining the Axial Flux Difference within the target band at all times will be re-emphasized during operator retraining.

#### Generic Implications

There are no generic implications associated with this event.