

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) /0/5/0/5/8/1/ (8) /0/6/0/3/8/1/ (9)  
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On May 5, 1981, during Mode 1 operation, Channel III feedwater flow indication /  
/0/3/ / for Loop 2 failed high. This condition would have prevented the channel from /  
/0/4/ / generating a reactor trip signal on a steam flow/feed flow mismatch (FS>FW) /  
/0/5/ / coincident with low steam generator level. The affected steam flow > feed flow/  
/0/6/ / reactor trip bistable was placed in that tripped condition in 1 hour by placing/  
/0/7/ / the feed flow channel in "test". Therefore, the health and safety of the gener-/  
/0/8/ / al public were not affected. This event is reportable pursuant to T.S.6.9.1.9.b./

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMP. SUBCODE	VALVE SUBCODE
/0/9/ /I/A/ (11)	/E/ (12)	/G/ (13)	/I/N/S/T/R/U/ (14)	/Y/ (15)
LER/RO	EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE
(17) REPORT NUMBER	/8/1/	/-/ /0/3/8/ / \ /	/0/3/	/L/ /-/ /0/
				/Z/ (16) REVISION NO.

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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / The feed flow channel failed high due to failure of the loop multiplier/  
/1/1/ / divider/square root card. The defective NMD card was replaced and the channel /  
/1/2/ / was satisfactorily recalibrated and returned to service. /  
/1/3/ /  
/1/4/ /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/ /E/ (28)	/1/0/0/ (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)
/2/0/ /N/ (44)	/ NA /

NRC USE ONLY  
/ / / / / / / / / / / / / / / /

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Virginia Electric and Power Company  
North Anna Power Station, Unit #2  
Docket No. 50-339  
Report No. LER 81-038/03L-0

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#### Description of Event

On May 5, 1981, while operating at 100% power, it was observed that the Channel III indication for Loop 2 feedwater flow had failed high. This condition would have prevented a reactor trip signal from being generated by the channel on a steam flow/feed flow mismatch (steam flow > feed flow) coincident with low steam generator level. This event is contrary to T.S. 3.3.1.1 and reportable pursuant to T.S. 6.9.1.9.b.

#### Probable Consequences of Occurrence

The consequences of this event were limited because the steam flow > feed flow reactor trip bistable was placed in the tripped condition within 1 hour in accordance with the Action Statement of T.S. 3.3.1.1 and channel IV for Loop 2 feedwater flow remained operable. As a result, the health and safety of the general public were not affected.

#### Cause of Event

The feed flow channel failed high due to failure of the multiplier/divider/square root card (NMD card) in the loop circuitry.

#### Immediate Corrective Action

The defective NMD card was removed and replaced with a new card. The channel was then satisfactorily recalibrated per procedure and returned to service.

#### 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 associated with this occurrence.