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	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
/0/9/	/I/A/ (11)	/E/ (12)	/G/ (13)	/I/N/S/T/R/U/ (14)	/Y/ (15)	/Z/ (16)

	LER/RO REPORT NUMBER	EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
(17)		/8/1/ /-/	/0/3/8/	/\ / /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
/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)	NRC USE ONLY
/2/0/	/N/ (44)	/ NA /	/ / / / / / / / / / / / /

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Virginia Electric and Power Company
North Anna Power Station, Unit #2 Attachment: Page 1 of 1
Docket No. 50-339
Report No. LER 81-038/03L-0

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.