

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 LICENS" NUMBER LICENSE TYPE CAT
 /0/1/ REPORT
 SOURCE /L/ (6) /0/5/0/0/0/3/3/8/ (7) /0/2/2/3/8/2/ (8) /0/3/1/5/8/2/ (9)
 DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On February 23, 1982, with the Unit at 90% power and decreasing, the Axial Flux /
 /0/3/ / Difference deviated greater than -5% from the target for a duration of 23 /
 /0/4/ / minutes. Since the Axial Flux Difference deviation was terminated due to a plant/
 /0/5/ / trip at 36% power, the public health and safety were not affected. This event is/
 /0/6/ / contrary to T.S. 3.2.1 and 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	EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
(17) REPORT NUMBER	/8/2/	/-/	/0/1/1/	/ \ /	/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 necessitated by a leak in the turbine gland steam exhaust system. No /
 /1/2/ / corrective action was required since the plant was manually tripped to protect /
 /1/3/ / the turbine against water induction. /
 /1/4/ / /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/ /X/ (28)	/0/9/0/ (29)	/ Rampdown / (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 /			

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R. CARTWRIGHT

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 82-011/03L-0

Attachment: Page 1 of 1

Description of Event

On February 23, 1982, with the Unit at 90% power and decreasing, the Axial Flux Difference deviated greater than -5% from the target for a duration of 23 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 terminated by a plant trip at 36% power, the health and safety of the general public were not affected.

Cause of Event

This event was caused by the control rods being driven into the core to facilitate a rapid power reduction necessitated by a leak in the turbine gland exhaust condenser. Condensate leaking into the shell side of the condenser entered the gland steam leakoff lines and precluded continued operation of the turbine.

Immediate Corrective Action

Upon initiation of the power rampdown, boric acid was added to the RCS by blended flow to limit control rod insertion. At 36% power, the plant was manually tripped to protect the turbine against water intrusion from the gland steam exhaust system. Axial Flux Difference is no longer a consideration after the reactor is shutdown.

Scheduled Corrective Action

No corrective action is necessary.

Actions Taken to Prevent Recurrence

No action can be taken to prevent recurrence.

Generic Implications

There are no generic implications.