

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) /1/2/1/0/8/0/ (8) /0/1/0/6/8/1/ (9)
 DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On December 10, 1980, with Unit 2 in hot standby, an overspeed trip of the /
 /0/3/ / steam driven auxiliary feedwater pump occurred during post maintenance testing. /
 /0/4/ / This event is reportable pursuant to T.S. 6.9.1.9.b. Two redundant motor /
 /0/5/ / driven auxiliary feedwater pumps were available. The Action Statement of the /
 /0/6/ / LCO (T.S. 3.7.1.2) was met. The public health and safety were not affected. /
 /0/7/ / / /
 /0/8/ / / /

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
/0/9/ /C/H/ (11)	/A/ (12)	/X/ (13)	/M/E/C/F/U/N/ (14)	/Z/ (15)	/Z/ (16)
LER/RO REPORT NUMBER	EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
(17)	/8/0/	/-/ /0/9/9/ / \ /	/0/3/	/L/	/-/ /0/

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	SHUTDOWN HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME SUPPLIER	COMP. MANUFACTURER
/E/ (18)	/G/ (19)	/Z/ (20)	/Z/ (21)	/0/0/0/0/ (22)	/Y/ (23)	/N/ (24)	/A/ (25)	/W/2/9/0/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / The suspected cause of the overspeed trip is a governor malfunction caused by /
 /1/1/ / air entrapment in the governor oil. Air was purged from the governor oil and /
 /1/2/ / the pump was successfully retested four times. /
 /1/3/ / / /
 /1/4/ / / /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/ /G/ (28)	/0/0/0/ (29)	/ NA / (30)	/B/ (31)	Routine Test /
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 /			
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
Bocket No. 50-339
Report No. LER 80-099/03L-0

Attachment: Page 1 of 1

Description of Event

On December 10, 1980, with Unit 2 in Hot Standby, an overspeed trip of the steam driven auxiliary feedwater pump occurred during post maintenance testing. This event is reportable pursuant to T.S. 6.9.1.9.b.

Probable Consequences of Occurrence

Two motor driven auxiliary feedwater pumps were operable when the event occurred. The steam driven pump was returned to a operable status within 2 hours. The action statement for the LCO (T.S. 3.7.1.2) was met. The public health and safety were not affected.

Cause of Event

When the steam driven auxiliary steam driven pump was started, the governor began hunting. Overshoot of the governor caused the pump to trip on overspeed. Governor hunting can be caused by air entrapment in the governor oil. During an investigation of the event a one gallon container of governor oil was found in the auxiliary feedwater pump house and a light coat of new oil around the governor oil fill cap was noted indicating that a recent oil addition had been made to the governor. Since evidence indicated a recent oil addition to the governor had been made, the suspected cause of pump overspeed trip is governor malfunction caused by air entrapment in the governor oil.

Immediate Corrective Action

Suspecting that air entrapment in the governor oil was causing the problem, the Unit 2 Shift Supervisor reduced the governor setpoint and ran the pump until the governor stopped hunting and stabilized. Steady governor control indicated that the governor oil had been purged of air. The governor setpoint was returned to its specified value and the pump was successfully restarted three times. The pump was then tested satisfactorily in accordance with a periodic test which included T.S. and IWP requirements prior to being declared operable. The testing frequency of the pump was doubled and the pump successfully passed tests on December 13, and 20, 1980.

Scheduled Corrective Action

Maintenance procedures have been changed to include steps for adding oil and properly purging air from the governor.

Actions Taken to Prevent Recurrence

The scheduled corrective actions described above should prevent recurrence.

Generic Implications

This event had no generic implications.