

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 LICENSE NUMBER LICENSE TYPE CAT  
 /0/1/ REPORT  
 SOURCE /L/ (6) /0/5/0/0/0/3/3/8/ (7) /0/1/2/4/8/1/ (8) /0/2/0/4/8/1/ (9)  
 DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / During the last refueling outage, the first row of tubes in each steam /  
 /0/3/ / generator was explosively plugged due to observed defects in the tube /  
 /0/4/ / manufacturing. On January 15, 1981, "C" steam generator tube inspections /  
 /0/5/ / revealed the plug missing from the tube at row 1 column 12. The tube was /  
 /0/6/ / replugged on January 24, 1981. This information is being submitted to satisfy /  
 /0/7/ / the reporting requirements of T.S. 4.4.5.5.a. The health and safety of the /  
 /0/8/ / general public were not affected by this event. /

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
/0/9/ /C/A/ (11)	/X/ (12)	/Z/ (13)	/Z/Z/Z/Z/Z/Z/ (14)	/Z/ (15)	/Z/ (16)
LER/RO REPORT NUMBER	EVENT 1	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
(17)	/8/1/	/-/	/0/0/7/	/ \ /	/9/9/
				/X/	/-/
					/0/

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NIRD-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 tube plug fell out during unit operation because of a bad seal which can /  
 /1/1/ / result when plugs are installed by explosive charge. Corrective action was to /  
 /1/2/ / replug the tube mechanically. /  
 /1/3/ / /  
 /1/4/ / /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/ /H/ (28)	/0/0/0/ (29)	/NA/ (30)	/B/ (31)	/INSERVICE INSPECTION/

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 (43) TYPE	DESCRIPTION
/1/9/ /Z/ (42)	/NA/

PUBLICITY ISSUED	DESCRIPTION (45)	NRC USE ONLY
/2/0/ /N/ (44)	/NA/	/ / / / / / / / / / /

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

Virginia Electric and Power Company  
North Anna Power Station, Unit #1  
Docket No. 50-338  
Report No. LER 81-007/99X-0

Attachment: Page 1 of 1

#### Description of Event

On January 15, 1981, inservice inspection of "C" steam generator tube bundle revealed that the tube plug at row 1 column 12 had fallen out. This particular tube was explosively plugged during the last refueling outage due to observed manufacturing defects. All other tubes in the first row of each steam generator were also plugged during the outage. On January 24, 1981, the tube at row 1 column 12 was mechanically replugged. This information is being submitted to satisfy the 15 day reporting requirement of T.S. 4.4.5.5.a.

#### Probable Consequences of Occurrence

The steam generator tube involved was not defective and therefore with its plug missing a release of radioactive material to the environment due to primary to secondary leakage did not occur. Because the discrepancy was found and corrected prior to return to power, the health and safety of the general public were not affected.

#### Cause of Event

It is believed that the tube plug fell out during unit operation due to an improper fit which can occur when plugs are installed by an explosive charge.

#### Immediate Corrective Action

The steam generator tube at row 1 column 12 was mechanically replugged on January 24, 1981.

#### Scheduled Corrective Action

Any other missing plugs identified will be mechanically replaced during the current refueling outage.

#### Actions Taken to Prevent Recurrence

No further actions are required.

#### Generic Implications

The are no generic implications.