

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On December 14, 1981, with the Unit operating at 100% power, the annunciators for/  
 /0/3/ / the 20.2 Hertz and 25.4 Hertz vertical axis channels of the containment mat re- /  
 /0/4/ / sponse spectrum recorder illuminated and could not be reset. The triaxial time- /  
 /0/5/ / history accelograph for the containment mat remained operable. This is report- /  
 /0/6/ / able pursuant to T.S. 3.3.3.3 and 6.9.2.c. The health and safety of the general /  
 /0/7/ / public were not affected. /  
 /0/8/ /

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

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
/Z/ (18)	/D/ (19)	/Z/ (20)	/Z/ (21)	/0/0/0/0/ (22)	/Y/ (23)	/N/ (24)	/A/ (25)	/E/2/5/9/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / The cause of the malfunctions are unknown at the present time. The containment /  
 /1/1/ / mat triaxial response spectrum recorder channels will be replaced or repaired /  
 /1/2/ / during the next scheduled refueling outage. /  
 /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 /	/ / / / / / / / / / / / / /

Virginia Electric and Power Company  
North Anna Power Station, Unit No. 1  
Docket No. 50-338  
Report No. LER 81-090/99T-0

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#### Description of Event

On December 14, 1981, with Unit 1 at 100% power, the containment mat response spectrum recorder indicated alarms on the vertical axis at frequencies of 20.2 and 25.4 Hz. These alarms indicated an amplitude of  $\geq .054$  and  $.042g$  respectively; however, there were no alarms for  $\geq 0.077$  and  $.060g$  in the same axis and frequencies. The alarms would not reset.

#### Probable Consequences of Occurrence

The alarms are believed to be due to an equipment malfunction. None of the other 10 frequencies for vertical axis alarmed nor were any of the 12 frequencies for the north-south or vertical axis alarmed at the same time. The triaxial time history accelograph is available in the event of seismic activity. There was no effect on the public health and safety.

#### Cause of Event

The cause of the alarm is unknown. Containment entry to investigate this problem is not practical with the unit at power.

#### Immediate Corrective Action

An attempt was made to reset the alarm. The problem was verified to originate from the field sensor inside the containment.

#### Scheduled Corrective Action

The containment mat response spectrum recorder will be repaired or replaced during the next refueling outage.

#### Actions Taken to Prevent Recurrence

No further action is required.

#### Generic Implications

There are no generic implications.