

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On April 19, 1982 and again on April 26, 1982, while in Mode 1 the individual rod/
/0/3/ / position indication for control rod J-13 deviated from the bank position by /
/0/4/ / greater than 12 steps. These events are contrary to T.S. 3.1.3.2. Since the /
/0/5/ / position indication was corrected within the requirements of the Action State- /
/0/6/ / ment, the health and safety of the public were not affected. These events are /
/0/7/ / reportable pursuant to T.S. 6.9.1.9.b. /
/0/8/ /

SYSTEM CAUSE CAUSE COMP. VALVE
CODE CODE SUBCODE COMPONENT CODE SUBCODE SUBCODE

/0/9/ /I/F/ (11) /E/ (12) /E/ (13) /I/N/S/T/R/U (14) /I/ (15) /Z/ (16)
LER/RO EVENT YEAR SEQUENTIAL OCCURRENCE REPORT REVISION
REPORT NO. TYPE NO.

(17) NUMBER /8/2/ /-/ /0/2/5/ / / /0/3/ /L/ /-/ /0/

ACTION FUTURE EFFECT SHUTDOWN ATTACHMENT NPRD-4 PRIME COMP. COMPONENT
TAKEN ACTION ON PLANT METHOD HOURS SUBMITTED FORM SUB. SUPPLIER MANUFACTURER

/E/ (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/ / These events were caused by drifting in the indication channel. The position /
/1/1/ / indicating system is highly sensitive to vibration and temperature changes. The /
/1/2/ / channel was realigned and declared operable. /
/1/3/ / /
/1/4/ /

FACILITY METHOD OF
STATUS %POWER OTHER STATUS DISCOVERY DISCOVERY DESCRIPTION (32)
/1/5/ /E/ (28) /1/0/0/ (29) / NA / (30) /B/ (31) / Operational Event /

ACTIVITY CONTENT
RELEASED 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)
/2/0/ /N/ (44) / NA /

NRC USE ONLY

/ / / / / / / / / / / / /

NAME OF PREPARER W. R. CARTWRIGHT

PHONE (703) 894-5151

8205180460

Virginia Electric and Power Company
North Anna Power Station, Unit No. 1
Docket No. 50-338
Report No. LER 82-025/03L-0

Attachment: Page 1 of 1

Description of Event

On April 19, 1982, at 0530, and again on April 26, 1982, at the same time, individual rod position indication for control rod J-13 drifted to greater than 12 steps from the bank demand position. This is contrary to T.S. 3.1.3.2 and reportable pursuant to T.S. 6.9.1.9.b.

Probable Consequences of Occurrence

The control rod position indication provides a redundant method for determining control rod height in the core. Since the control rod was not actually misaligned and the position indication channel restored to within 12 steps of bank position within the requirements of the Action Statement, the health and safety of the public were not affected.

Cause of Event

These events were caused by drifting in the position indicating channel. The control rod J-13 indicating coils appear to be more sensitive than the other channels to vibration and temperature changes. There were no periodic tests or other evaluations affecting temperature performed.

The coincidence that both events occurred at 0530 was investigated. No cause could be determined.

Immediate Corrective Action

The control rod position indicator was realigned with bank position.

Scheduled Corrective Action

No further action required.

Actions Taken to Prevent Recurrence

No further action required.

Generic Implications

The drift associated with this position indicating system has been a generic problem at North Anna Units 1 and 2.