

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On October 27, 1980, the Fj(Z) limit was exceeded two times. In each case, the /
/0/3/ / reactor power was reduced to restore Fj(Z) to within the T.S. 3.2.6 limit. /
/0/4/ / Therefore, the health and safety of the public were not affected. These items /
/0/5/ / are reportable pursuant to T.S. 6.9.1.9.b. /

/0/6/ /
/0/7/ /
/0/8/ /

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

/0/9/ /R/X/ (11) /X/ (12) /Z/ (13) /Z/Z/Z/Z/Z/Z/ (14) /Z/ (15) /Z/ (16)
LER/RO EVENT YEAR SEQUENTIAL OCCURRENCE REPORT REVISION
REPORT YEAR REPORT NO. CODE TYPE NO.
(17) NUMBER /8/0/ /-/ /0/8/3/ / \ / /0/3/ /X/ /-/ /1/

ACTION FUTURE EFFECT SHUTDOWN ATTACHMENT NPRD-4 PRIME COMP. COMPONENT
TAKEN ACTION ON PLANT METHOD HOURS SUBMITTED FORM SUB. SUPPLIER MANUFACTURER
/X/ (18) /X/ (19) /B/ (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/ / These events were caused by rod movement at the beginning of core life when /
/1/1/ / Fj(Z) limit margins in the center of the core are at their minimum. Power was /
/1/2/ / reduced to restore margin to Fj(Z). /
/1/3/ /
/1/4/ /

FACILITY METHOD OF
STATUS %POWER OTHER STATUS DISCOVERY DISCOVERY DESCRIPTION (32)
/1/5/ /E/ (28) /0/9/8/ (29) / NA / (30) /A/ (31) / OPERATOR OBSERVATION /

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) NRC USE ONLY
/2/0/ /N/ (44) / NA / / / / / / / / / / / / / /

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

Updated Report - Previous Report Date 11-19-80

Virginia Electric and Power Company
North Anna Power Station, Unit 2
Docket No. 50-339
Report No. LER 80-085/03X- 1

Attachment: Page 1 of 1

Description of Event

On October 27, 1980, the Fj(Z) limit near the center of the core was exceeded at 1617 and again at 1708. In both events, the reactor power was reduced to restore Fj(Z) to within the limit.

Probable Consequences of Occurrence

The limit placed on Fj(Z) provides the assurance that the fuel integrity is maintained throughout normal and accident conditions and to ensure the ECCS acceptance criteria is not exceeded. By reducing the reactor power 1% for every 1% the limit is exceeded, the Fj(Z) value returned to below the T.S. 3.2.6 limit.

Cause of Event

These events were caused by rod motion in a new core. The margin of Fj(Z) to the limit is at a minimum at the center of the core at the beginning of life. The North Anna Unit 2 core had, at this time, less than 20 effective full power days of burnup.

Immediate Corrective Action

In each event, the power level was reduced 1% for every 1% the Fj(Z) limit was exceeded. To prevent similar occurrences, rod motion was minimized by borating rods to the fully withdrawn position. This caused the power (flux) in the middle region of the core to decrease. The core flux was thereby flattened axially.

Scheduled Corrective Action

No further action required at this time. The Fj(Z) margin will increase as the core burnup progresses.

Actions Taken to Prevent Recurrence

The recurrence of this problem has been prevented by operating with the control rods near the fully withdrawn position.

Generic Implications

There are no generic implications associated with this event.