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/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) /0/1/1/3/8/3/ (8) /0/1/3/1/8/3/ (9)
DOCKET NUMBER — EVENT DATE — REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On January 13, 1983, with the Unit in Mode 1, the Individual Rod Position Indica-/
/0/3/ / tion (IRPI) for Rod P-06 in Control Bank "A" deviated from the group demand posi-/
/0/4/ / tion twice by greater than 12 steps with no rod motion. Within 8 hours, the /
/0/5/ / position of the non-indicating rod was verified and the IRPI channel was returned/
/0/6/ / to service in compliance with the Action Statement. Thus the health and safety /
/0/7/ / of the general public were not affected. These events are contrary to T.S. /
/0/8/ / 3.1.3.2 and reportable pursuant to T.S. 6.9.1.9.b. /

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

/0/9/ /I/F/ (11) /E/ (12) /E/ (13) /I/N/S/T/R/U/ (14) /Y/ (15) /Z/ (16)

(17) LER/RO REPORT NUMBER — EVENT YEAR — SEQUENTIAL REPORT NO. — OCCURRENCE CODE — REPORT TYPE — REVISION NO.

/8/3/ /-/ /0/1/3/ / / /0/3/ /L/ /-/ /0/

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

/A/ (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/ / Erratic indication of the first event was caused by dirty contacts on the signal /
/1/1/ / conditioning module. The contacts were cleaned and the channel was recalibrated /
/1/2/ / and returned to service. One hour later, the channel indication again deviated /
/1/3/ / from group demand position indication. The signal conditioning module was /
/1/4/ / replaced, the channel was calibrated and returned to service. /

FACILITY STATUS — %POWER — OTHER STATUS (30) — METHOD OF DISCOVERY — DISCOVERY DESCRIPTION (32)

/1/5/ /E/ (28) /1/0/0/ (29) / NA / /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 (43) — TYPE — DESCRIPTION

/1/9/ /Z/ (42) / NA /

PUBLICITY — ISSUED — DESCRIPTION (45)

/2/0/ /N/ (44) / NA /

NRC USE ONLY / / / / / / / / / / / / / /

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Virginia Electric and Power Company
North Anna Power Station, Unit No. 2 Attachment: Page 1 of 1
Docket No. 50-339
Report No. LER 83-013/03L-0

Description of Event

On January 13, 1983, with the Unit in Mode 1, the Individual Rod Position Indication (IRPI) for Rod P-06 in Control Bank "A" deviated from the group demand position twice by greater than 12 steps with no rod motion. At 1845, the IRPI for Rod P-06 indicated 198 steps with the group demand indicating 228 steps. At 2200, the IRPI was declared operable. At 2353, the channel again became erratic and was taken out of service. These events are contrary to T.S. 3.1.3.2 and reportable pursuant to T.S. 6.9.1.9.b.

Probable Consequences of Occurrence

At 0200 on January 14, 1983, the position of Rod P-06 was verified at 228 steps by the performance of a single thimble flux map. A unit rampdown to 30 percent had occurred but the position of Rod P-06 did not change since it is part of Control Bank "A". At 0959, IRPI for Rod P-06 was declared operable and returned to service. Since the channel was returned to service within 8 hours after determining the rod position by the movable incore detector system, the health and safety of the general public were not affected.

Cause of Event

A faulty signal conditioning module within the IRPI system caused erratic indication of the channel.

Immediate Corrective Action

For the first event the contacts of the signal conditioning module printed circuit card were cleaned, the channel was calibrated and returned to service. Approximately one hour later, the channel was again erratic and the card was replaced. The channel was again calibrated and returned to service.

Scheduled Corrective Action

No further action required.

Actions Taken to Prevent Recurrence

No further action required.

Generic Implications

There are no generic implications to these events.