

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On April 7, 1983, with Unit 1 in Mode 1, Inside Containment Recirculation Spray /
/0/3/ / Pump 1-RS-P-1B tripped during surveillance testing. This event is reportable /
/0/4/ / pursuant to T.S. 6.9.1.9.b. Two redundant 50 percent Outside Recirculation Spray/
/0/5/ / Pumps and one redundant 50 percent Inside Recirculation Spray Pump remained /
/0/6/ / operable throughout the event. 1-RS-P-1B was satisfactorily tested and returned to/
/0/7/ / service within 7 hours. The Action Statement of the applicable LCO, T.S. 3.6.2.2/
/0/8/ / was met. The public health and safety were not affected. /

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

/0/9/ /S/B/ (11) /X/ (12) /Z/ (13) /P/U/M/P/X/X/ /B/ /Z/
LER/RO EVENT YEAR SEQUENTIAL OCCURRENCE REPORT REVISION
REPORT NO. CODE TYPE NO.

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

/X/ (18) /Z/ (19) /Z/ (20) /Z/ (21) /0/0/0/0/ (22) /Y/ (23) /N/ (24) /A/ (25) /B/2/6/5/
(26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / Motor and breaker electrical tests were normal. A pump rotation light lit /
/1/1/ / indicating that the pump was rotating at greater than 100 RPM prior to the trip /
/1/2/ / trip and was not bound. The cause of the event is unknown. After electrical /
/1/3/ / testing the pump satisfactorily passed surveillance testing and was returned /
/1/4/ / to service. /

FACILITY METHOD OF
STATUS %POWER OTHER STATUS DISCOVERY DISCOVERY DESCRIPTION (32)
/1/5/ /E/ (28) /1/0/0/ (29) / N/A / (30) /B/ (31) / Surveillance Test /

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) 8305110288 830505
/2/0/ /N/ (44) / NA / PDR ADDCK 05000338 PDR
NAME OF PREPARER E. WAYNE HARRELL NRC USE ONLY
PHONE (703) 894-5151

Virginia Electric and Power Company
North Anna Power Station, Unit No. 1
Docket No. 50-338
Report No. LER 83-020/03L-0

Attachment: Page 1 of 2

Description of Event

On April 7, 1983, with Unit 1 at 100 percent of Rated Thermal Power, Inside Containment Recirculation Spray Pump 1-RS-P-1B tripped within 5 seconds after being started for surveillance testing. This event is reportable pursuant to T.S. 6.9.1.9.b.

Probable Consequences of Occurrence

Two redundant 50 percent Outside Containment Recirculation Spray Pumps and one 50 percent Inside Containment Recirculation Spray Pump remained operable throughout the event. Inside Containment Recirculation Spray Pump 1-RS-P-1B was satisfactorily tested and returned to service 7 hours after being declared inoperable. The Action Statement of the applicable LCO, T.S. 3.6.2.2, was met. The public health and safety were not affected.

Cause of Event

The Unit 1 Control Room Operator (CRO) observed that the pump rotation light lit indicating that the pump was rotating at a speed greater than 100 RPM prior to the pump trip. Prior to the trip, the pump start appeared to be normal.

The local breaker reset button was found in the extended position indicating that the breaker tripped open in response to an overcurrent condition. A pump motor meggar test indicated that motor was not grounded. Motor winding resistance was normal.

The motor breaker was removed from its cubical and placed on a test stand for complete breaker testing. Breaker continuity test results were normal. Overcurrent timing test results at various overcurrent values were normal.

The breaker linkage was damaged during transport back to its cubical and had to be repaired. After being repaired the motor breaker was reinstalled in its cubical and Inside Containment Recirculation Spray Pump 1-RS-P-1B tested. Test results were normal. The cause of the event is unknown.

Immediate Corrective Action

The motor and breaker for Inside Containment Recirculation Spray Pump 1-RS-P-1B were electrically tested as described above. 1-RS-P-1B was returned to service after satisfactorily passing surveillance testing.

Scheduled Corrective Action

No scheduled corrective actions are required.

Actions Taken to Prevent Recurrence

Actions to prevent recurrence are not required.

Generic Implications

This event has no generic implications.