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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On July 1, 1981, while testing the Unit 2 steam turbine driven auxiliary feed- /
/0/3/ / water pump, one of two parallel steam supply valves, TV-MS-211A, failed to close /
/0/4/ / completely. On July 3, 1981, while recovering from a plant trip, the other steam/
/0/5/ / supply valve, TV-MS-211B, failed to close completely. Two redundant motor driven/
/0/6/ / auxiliary feedwater pumps were operable. This event is reportable pursuant to /
/0/7/ / T.S. 6.9.1.9.b. The public health and safety were not affected. /
/0/8/ / /

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

/0/9/ /C/H/ (11) /E/ (12) /B/ (13) /V/A/L/V/E/X/ (14) /E/ (15) /D/ (16)

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

/8/1/ /-/ /0/5/3/ / \ / /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

/B/ (18) /Z/ (19) /Z/ (20) /Z/ (21) /0/0/0/0/ (22) /Y/ (23) /N/ (24) /A/ (25) /F/1/2/7/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / Contaminates and corrosion products in the instrument air system caused an air /
/1/1/ / control valve piston to stick preventing air from venting from the operator of /
/1/2/ / TV-MS-211A. The same control air problem prevented TV-MS-211B from closing. The/
/1/3/ / control air valves were repaired and the steam supply valves returned to service /
/1/4/ / after testing. /

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

/1/5/ /G/ (28) /0/0/0/ (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 (43) TYPE DESCRIPTION

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

PUBLICITY ISSUED DESCRIPTION (45)

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

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NRC USE ONLY

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Virginia Electric and Power Company
North Anna Power Station, Unit #2 Attachment: Page 1 of 1
Docket No. 50-339
Report No. LER 81-053/03L-0

Description of Event

On July 1, 1981, while testing the Unit 2 steam turbine driven auxiliary feedwater pump, one of two parallel steam supply valves, TV-MS-211A, failed to close completely. Unit 2 was in mode 3 and preparing to return to service when the event occurred. On July 3, 1981, while recovering from a plant trip, the other steam supply valve, TV-MS-211B, failed to close completely. Both events are reportable pursuant to T S. 6.9.1.9.b.

Probable Consequences of Occurrence

Two redundant 100 percent motor driven auxiliary feedwater pumps were operable. Since at least one steam supply valve was operable at all times, an operable steam supply system to the steam turbine driven auxiliary feedwater pump was always maintained. Because each valve receives an open signal from one SSPS train, the reliability of the steam turbine driven auxiliary feedwater pump was reduced. The public health and safety were not affected.

Cause of Event

Contaminates and corrosion products in the instrument air system caused an air control valve piston to stick preventing air from venting from the operator of TV-MS-211A. The same control air problem prevented TV-MS-211B from closing.

Immediate Corrective Action

Steam was isolated from the affected valve in each event. Both control air valves were cleaned and the steam supply valves returned to service after 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 had no generic implications.