

## 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 /L/ (6) /0/5/0/0/0/3/3/9/ (7) /0/3/0/2/8/3/ (8) /0/3/3/0/8/3/ (9)  
SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On March 2, 1983, with Unit 2 in Mode 1, MOV-RS-255A, 2-RS-P-2A suction isolation/  
/0/3/ / valve, could not be reopened after having been closed for a periodic test render-/  
/0/4/ / ing Recirculation Spray Pump, 2-RS-P-2A, inoperable. Since the three remaining /  
/0/5/ / Recirculation Spray Pumps were still available to provide containment spray if /  
/0/6/ / required and only two pumps are required for adequate post LOCA cooling, the /  
/0/7/ / the health and safety of the public were not affected. This event is contrary to/  
/0/8/ / T.S. 3.6.2.2 and reportable pursuant to T.S. 6.9.1.9.b. /

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

/0/9/ /S/B/ (11) /E/ (12) /B/ (13) /V/A/L/V/O/P/ /A/ /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

/A/ (18) /Z/ (19) /Z/ (20) /Z/ (21) /0/0/0/0/ (22) /Y/ (23) /N/ (24) /A/ (25) /L/2/0/0/  
(26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / MOV-RS-255A could not be reopened because of a stripped bevel gear. The gear /  
/1/1/ / was replaced and the valve stroked satisfactorily. /  
/1/2/ / /  
/1/3/ / /  
/1/4/ / /

FACILITY STATUS %POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)  
/1/5/ /E/ (28) /1/0/0/ (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)  
/2/0/ /N/ (44) / NA /

NRC USE ONLY

RER E. WAYNE HARRELL

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Virginia Electric and Power Company  
North Anna Power Station, Unit No. 2  
Docket No. 50-339  
Report No. LER 83-020/03L-0

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#### Description of Event

On March 2, 1983, with Unit 2 in Mode 1, MOV-RS-255A could not be reopened after having been closed for a periodic test, rendering 2-RS-P-2A inoperable. The valve was inoperable for 14 hours. This event is contrary to T.S. 3.6.2.2 and reportable pursuant to T.S. 6.9.1.9.b.

#### Probable Consequences of Occurrence

North Anna Unit 2 has four fifty percent capacity Recirculation Spray Pumps for the purpose of containment cooling following a loss of coolant accident or a high energy line break. Since three of the four pumps were still operable and only two are required for adequate cooling, the health and safety of the public were not affected.

#### Cause of Event

MOV-RS-255A had been manually closed past the torque out stop of the motor operator to assure leak tightness while conducting a periodic test on 2-RS-P-2A. Upon completion of the test the valve could not be reopened manually because the manual operator bevel gear was stripped. Since the valve had been torqued closed manually, the motor operator could not reopen the valve.

#### Immediate Corrective Action

The valve operator bevel gear, shaft and bearing were replaced, the valve reopened and stroked satisfactorily. Subsequently the valve was returned to service.

#### Scheduled Corrective Action

No further action is required

#### Actions Taken to Prevent Recurrence

An engineering study is being performed to determine a repair of the valves so that manual closing is not required to provide an adequate seal.

#### Generic Implications

There are no generic implications.