U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK / / / / / / / (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

/0/1/ REPORT SOURCE /L/ (6) /0/5/0/0/0/3/3/9/ (7) /0/1/0/6/8/3/ (8) /0/2/0/2/8/3/ (9)
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On January 6, 1983 with Unit 2 in Mode 3, MOV-RS-255B, Recirculation Spray Pump /
/0/3/ / 2B Suction Isolation Valve, would not reopen after having been closed for a pe- /
/0/4/ / riodic test, rendering 2-RS-P-2B inoperable. Since the three remaining recircu- /
/0/5/ / lation spray pumps were still available to provide containment spray if required /
/0/6/ / and only two pumps are required for adequate post LOCA cooling, the health and /
/0/7/ / safety of the public were not affected. This event is contrary to T.S. 3.6.2.2 /
/0/8/ / 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/	/S/B/ (11)	/E/ (12)	/B/ (13)	/V/A/L/V/E/X/ (14)	/E/ (15)	/D/ (16)

	LER/RO REPORT NUMBER	EVENT YEAR	SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE	REVISION NO.
(17)		/8/3/	/-/ /0/0/6/	/ /	/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)	/C/6/6/5/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / MOV-RS-255B failed to reopen due to the motor operator torquing out from a jam- /
/1/1/ / med seal cap; a cap used to prevent water from corroding the valve stem extension/
/1/2/ / rod. The seal cap was returned to its original position and the valve stroked /
/1/3/ / satisfactorily. /
/1/4/ / /

	FACILITY STATUS	%POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
/1/5/	/G/ (28)	/0/0/0/ (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 TYPE	DESCRIPTION (43)
/1/9/	/Z/ (42)	/ NA /

	PUBLICITY ISSUED	DESCRIPTION (45)	NRC USE ONLY
/2/0/	/N/ (44)	/ NA /	/ / / / / / / / / / / / /

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Virginia Electric and Power Company
North Anna Power Station, Unit No. 2
Docket No. 50-339
Report No. LER 83-006/03L-0

Description of Event

On January 6, 1983 with Unit 3 in Mode 1, MOV-RS-255B, Recirculation Spray Pump 2B Suction Isolation Valve which is normally maintained open, would not reopen after having been closed for a periodic test on 2-RS-P-2B. The valve was inoperable for 4 1/2 hours making 2-RS-P-2B inoperable for the same period. 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-255B is located fifty five feet below its motor operator. A 1 1/2" torque tube connects the operator to the valve. To prevent corrosion of the torque tube and its casing, a seal cap is installed to prevent water from running down the length of the torque tube. The motor operator of MOV-RS-255B torqued out while attempting to reopen due to the seal cap being jammed against a pipe.

Immediate Corrective Action

The immediate corrective action was to reposition the seal cap and stroke MOV-RS-255B satisfactorily.

Scheduled Corrective Action

An engineering study will be performed to determine an alternative design which will not be interfered with by the surroundings.

Actions Taken to Prevent Recurrence

No action is required.

Generic Implications

Seal caps with pipes in close proximity exist on outside recirculation spray pump suction isolation valves on Units 1 & 2.