

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-281 Surry Power Station, Unit 2, Virginia Electric & Powe    05000281  
 AUTH. NAME    AUTHOR AFFILIATION  
 KANSLER, M.R.    Virginia Power (Virginia Electric & Power Co.)  
 RECIP. NAME    RECIPIENT AFFILIATION

SUBJECT: LER 91-001-00: on 910307, block valves declared inoperable until required surveillance testing satisfactorily complete. Caused by personnel error. Task team formed to address missed surveillance & other recent similiar events. W/910405 ltr.

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INTERNAL:	ACNW		2	2		ACRS		2	2
	AEOD/DOA		1	1		AEOD/DSP/TPAB		1	1
	AEOD/ROAB/DSP		2	2		NRR/DET/ECMB 9H		1	1
	NRR/DET/EMEB 7E		1	1		NRR/DLPQ/LHFB11		1	1
	NRR/DLPQ/LPEB10		1	1		NRR/DOEA/OEAB		1	1
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	NRR/DST/SICB 7E		1	1		NRR/DST/SPLB8D1		1	1
	NRR/DST/SRXB 8E		1	1		<del>REG FILE</del> 02		1	1
	RES/DSIR/EIB		1	1		RGN2 FILE 01		1	1
EXTERNAL:	EG&G BRYCE, J.H		3	3		L ST LOBBY WARD		1	1
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Virginia Electric and Power Company  
Surry Power Station  
P. O. Box 315  
Surry, Virginia 23883

April 5, 1991

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Serial No.: 91-193  
Docket No.: 50-281  
License No.: DPR-37

Gentlemen:

Pursuant to Surry Power Station Technical Specifications, Virginia Electric and Power Company hereby submits the following Licensee Event Report for Unit 2.

REPORT NUMBER

91-001-00

This report has been reviewed by the Station Nuclear Safety and Operating Committee and will be reviewed by the Corporate Management Safety Review Committee.

Very truly yours,

*David A. Christian*

M. R. Kansler  
Station Manager

Enclosure

cc: Regional Administrator  
Suite 2900  
101 Marietta Street, NW  
Atlanta, Georgia 30323

9104160505 910405  
PDR ADOCK 05000281  
S PDR

IE22

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Surry Power Station, Unit 2		DOCKET NUMBER (2) 0 5 0 0 0 2 8 1	PAGE (3) 1 OF 05
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TITLE (4)  
Failure to Demonstrate PORV Block Valves Operable Due to Personnel Error

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)
0	3	07	91	91	001	00	04	05		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (8)  N

POWER LEVEL (10) 0 8 7

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	50.38(c)(1)	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	50.38(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i) (B)	50.73(a)(2)(viii)(A)	
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME M. R. Kansler, Station Manager	TELEPHONE NUMBER AREA CODE 8 0 4 3 5 7 - 3 1 8 4
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines): (16)

On March 7, 1991, at 1600 hours, with Unit 2 at 87% power, it was discovered that the Pressurizer Power Operated Relief Valve (PORV) Blocking Valves (2-RC-MOV-2535 and 2-RC-MOV-2536) had not been demonstrated operable at least once during the previous 92 days. This failure is a violation of Technical Specification 4.1.B.2. The block valves were declared inoperable until the required surveillance testing was satisfactorily accomplished. Since the PORVs remained operable throughout the period, the health and safety of the public were not affected. The cause of the event was personnel error. A Task Team was formed to review this and similar events, and appropriate corrective action is being taken. This event is being reported pursuant to 10CFR50.73(a)(2)(i)(B).

**LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION**

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 1	— 0 0 1	— 0 0	0 2	OF	0 5

TEXT (If more space is required, use additional NRC Form 366A's) (17)

**1.0 DESCRIPTION OF THE EVENT**

On March 7, 1991, at 1600 hours, with Unit 2 at 87% power, it was discovered that the Pressurizer Power Operated Relief Valve (PORV) Block Valves, 2-RC-MOV-2535 and 2-RC-MOV-2536 [EISS-ISV, AB] had not been demonstrated operable at least once during the previous 92 days. This failure is a violation of Technical Specification 4.1.B.2. The block valves were declared inoperable, and a one-hour action statement was entered to restore operability or close the block valves and remove power in accordance with Technical Specification 3.1.A.6.c. At 1626, the appropriate surveillance testing was completed satisfactorily, the block valves were declared operable, and the action statement was exited.

**2.0 SIGNIFICANT SAFETY CONSEQUENCES AND IMPLICATIONS**

The remotely operated block valves are designed to provide a positive shut off capability should a PORV become inoperable. The PORVs remained operable throughout this period; therefore, the health and safety of the public were not affected.

**3.0 CAUSE OF THE EVENT**

The event was caused by personnel error. The Engineering Testing Department is charged with the responsibility for preparation, coordination, and maintenance of the periodic test scheduling and tracking program for the station. Scheduling is accomplished by preparing a master planning schedule for surveillance items for which a known frequency exists. This schedule covers testing coming due during the following month and is distributed to implementing departments one to two weeks prior to the beginning of the month. Also provided at this time are the individual scheduling data sheets for each

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TEXT CONTINUATION**

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 60.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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surveillance test which is to be performed. Each scheduling sheet delineates the acceptable time window during which the test is to be performed. After the test has been performed, the filled out sheet is attached to the completed test procedure and provides a means to feed back information to the Engineering Testing Department. This information is used to update the scheduling and tracking program.

In this instance, a new PORV block valve surveillance procedure was prepared in December 1990. The new procedure did not appear on the January 1991 master schedule because it was approved subsequent to the promulgation of the master planning schedule. The new procedure was not added to the January schedule because of administrative error.

Normally, Engineering Testing also distributes a Daily Periodic Test Report for surveillance tests with scheduled date, late date, and days late tabulated. This report is generated on a daily basis for overdue surveillance tests and on a weekly basis for pending surveillance tests with an interval of quarterly or greater. Because of a management decision to change the permissible "grace period" during which a surveillance could be accomplished from +/-25% to +25%/-0%, a major reprogramming effort was taking place in the Engineering Testing Department. Because of this added work load, the weekly reports were not issued from late December, 1990, until early February, 1991. When the issuance of the weekly report was resumed on February 12, 1991, it showed the PORV block valve surveillance due on February 14. This notification failed to alert the department responsible for the test. The daily overdue report dated February 15, 1991 showed the test as one day overdue. Although the subsequent daily and weekly reports showed the surveillance as overdue, no action was taken by the implementing department until March 7.

**LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION**

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

**4.0 IMMEDIATE CORRECTIVE ACTION(S)**

The block valves were declared inoperable and a one-hour action statement was entered to restore operability or close the block valves and remove power (re: Technical Specification 3.1.A.6.c). The appropriate surveillance testing was performed satisfactorily, the block valves were declared operable, and the action statement was exited.

**5.0 ADDITIONAL CORRECTIVE ACTION(S)**

A task team was formed to address this missed surveillance and other recent similar events at the station.

**6.0 ACTIONS TO PREVENT RECURRENCE**

The task team's review found that current administration of the surveillance test program was adequate and complied with station administrative directives. The Team also found that certain improvements could be made, including increased supervisory involvement, strengthened scheduling and tracking practices at the departmental level, and better communications between Engineering Testing and other departments. Accordingly, departments which perform surveillance testing will be required to review their internal administrative practices and take appropriate actions to strengthen their controls over the scheduling and tracking of surveillance testing. In addition, an administrative process which will provide prompt feedback to the Engineering Testing Department upon completion of surveillance testing will be evaluated.

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TEXT CONTINUATION**

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 1	0 0 1	0 0	0 5	OF	0 5

TEXT (If more space is required, use additional NRC Form 386A's) (17)

**7.0 SIMILAR EVENTS**

LER 1-90-007-00: Fire Protection Dampers Surveillance Procedure Not Performed Within Technical Specification Required Interval Due to Administrative Oversight

LER 1-89-034-00: Failure to Sample Service Water From Component Cooling Heat Exchanger Within Twelve Hours Due to Personnel Error

LER 1-89-018-00: Failure to Obtain the WGDT Sample Within Technical Specification Required 24-Hour Frequency Due to Personnel Error

**8.0 ADDITIONAL INFORMATION**

None.