

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9104290115 DOC.DATE: 91/04/23 NOTARIZED: NO DOCKET #
 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.)
 KANSLER,M.R. Virginia Power (Virginia Electric & Power Co.)
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 91-002-00:on 910326,main stream safety valves out of tolerance.Caused by minor setpoint drift.Affective valve adjusted & valve tested to verify setpoint to be within required tolerance.W/910423 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 5
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:1cy NMSS/IMSB/PM. 05000281

	RECIPIENT		COPIES		RECIPIENT		COPIES	
	ID CODE/NAME	LTR ENCL	LTR ENCL	ID CODE/NAME	LTR ENCL	LTR ENCL		
	PD2-2 LA BUCKLEY,B	1 1	1 1	PD2-2 PD	1 1	1 1		
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		
	NRR/DREP/PRPB11	2	2	NRR/DST/SELB 8D	1	1		
	NRR/DST/SICB 7E	1	1	NRR/DST/SPLB8D1	1	1		
	NRR/DST/SRXB 8E	1	1	REG FILE 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		
	NRC PDR	1	1	NSIC MAYS,G	1	1		
	NSIC MURPHY,G.A	1	1	NUDOCS FULL TXT	1	1		
NOTES:		1	1					

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

FULL TEXT CONVERSION REQUIRED
 TOTAL NUMBER OF COPIES REQUIRED: LTR 34 ENCL 34

AD
[Handwritten signature]

R
I
D
S
/
A
D
D
S

Virginia Electric and Power Company
Surry Power Station
P. O. Box 315
Surry, Virginia 23883

April 23, 1991

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

Serial No.: 91-240
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

91-002-00

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,



M. R. Kansler
Station Manager

Enclosure

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

290034

9104290115 910423
PDR ADOCK 05000281
S FDR

IF22
11

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 0 3		
--	--	--	--	--	--	--------------------------------------	--	--	----------------------	--	--

TITLE (4)
Main Steam Safety Valves Out of Tolerance Due to Minor Setpoint Drift

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	26	91	002	00	0	4	23	91		0 5 0 0 0

OPERATING MODE (9) N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)											
POWER LEVEL (10) 0 7 5	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)	X 50.73(a)(2)(i)	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			

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	
X	S B R V		C 5 6 8	Y							

SUPPLEMENTAL REPORT EXPECTED (14)								EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)								X NO				

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

On March 26, 1991, with Unit 2 at 75% power during end of fuel cycle coast down, setpoint testing of the fifteen Main Steam Code Safety Valves revealed that the lift setting of 2-MS-SV-205B was outside of the $\pm 3\%$ "as found" range allowed by Surry's Technical Specifications. The valve exhibited a lift setting of 3.3% below its nominal value (1135 psig). The safety valve was readjusted to be within the required setpoint tolerance. This event is reportable pursuant to 10CFR50.73(a)(2)(i)(B) for conditions prohibited by Technical Specifications 3.6.A, 3.6.B.3 and 3.6.D.

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

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 9 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		0 0 2	0 0	0 0	0 2	OF	0 3

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

1.0 DESCRIPTION OF THE EVENT

On March 26, 1991, with Unit 2 at 75% power during end of fuel cycle coast down, setpoint testing of the fifteen Main Steam Code Safety Valves [EHS-SB,RV] revealed that the lift setting of 2-MS-SV-205B was outside of the $\pm 3\%$ "as found" range allowed by Surry's Technical Specifications. The valve exhibited a lift setting of 1097 psig, 3.3% below its nominal value (1135 psig). This event is reportable pursuant to 10CFR50.73(a)(2)(i)(B) for conditions prohibited by Technical Specifications 3.6.A, 3.6.B.3 and 3.6.D.

2.0 SIGNIFICANT SAFETY CONSEQUENCES AND IMPLICATIONS

The Main Steam Code Safety Valves are provided to prevent overpressure conditions in the secondary side of the steam generators and to ensure residual heat removal capability by relief of steam to atmosphere if the main condenser and steam generator power operated relief valves are unavailable. Since the "as found" setting was below the nominal lift setpoint, the valve would open earlier than anticipated by the accident analysis but above the setpoint of the steam generator power operated relief valve (1035 psig). Therefore, the low safety valve lift setpoints did not increase the probability of excessive blowdown and had no impact on the accident analysis. Because the safeties would have performed their safety function, the health and safety of the public were not affected.

3.0 CAUSE OF THE EVENT

The Main Steam Safety Valve experienced a minor setpoint drift which can be expected under normal operating conditions. Although the specific cause of this setpoint drift is not known, its occurrence is well documented in the industry and is not considered to be abnormal.

4.0 IMMEDIATE CORRECTIVE ACTION(S)

The affected valve was adjusted to within $\pm 1\%$ of the required setpoints.

5.0 ADDITIONAL CORRECTIVE ACTION(S)

The valve was tested three times to verify lift setpoint to be within its required tolerance and based upon evaluations of the test data, it was determined that no additional testing or maintenance was required.

6.0 ACTIONS TO PREVENT RECURRENCE

None.

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

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 9 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		0	0	2	0	3	0 3 OF 0 3

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

7.0 SIMILAR EVENTS

Unit 1 LER 86-016-00, "B" Main Steam Safety Valve Setpoints.
Unit 1 LER 90-011-00, Main Steam Safety Valves Out of Tolerance
Due to Minor Setpoint Drift.

8.0 ADDITIONAL INFORMATION

Dresser 6" inlet, 10" outlet safety relief valve, Type 3707RA-RT21 (2-MS-SV-205B).

LER 281-91-002-00

VERIFICATION OF ACCURACY

Correspondence Review Form Signatures.

DR - S - 91 - 0364

Work Order #3899195894

Procedure 2-MPT-0427-01

ACTION PLAN

None.