

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Surry Power Station, Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 2 8 1 1	PAGE (3) 1 OF 0 3
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TITLE (4)
Inadvertent Safety Injection

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 6	1 2	8 5	8 5	0 0 7	0 0	0 7	0 5	8 5			0 5 0 0 0

OPERATING MODE (9) N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 1 0 1 0	20.402(b)	20.408(e)	<input checked="" type="checkbox"/>	60.73(a)(2)(iv)	73.71(b)					
	20.408(a)(1)(i)	60.36(a)(1)		60.73(a)(2)(v)	73.71(e)					
	20.408(a)(1)(ii)	60.36(a)(2)		60.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 360A)					
	20.408(a)(1)(iii)	60.73(a)(2)(i)		60.73(a)(2)(vii)(A)						
	20.408(a)(1)(iv)	60.73(a)(2)(ii)		60.73(a)(2)(vii)(B)						
	20.408(a)(1)(v)	60.73(a)(2)(iii)		60.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12)

NAME R. F. Saunders, 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 NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR / / /
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On 6-12-85 at 1735 hours with the unit in refueling shutdown, a spurious safety injection (SI) occurred during PT-18.2A (SI Functional Test). The procedure contains one step that executes two actions, reset and then block SI. This led to the spurious SI.

The SI function test for units 1 and 2 will be modified to provide separate steps and signoffs to reset and block SI.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) Surry Power Station, Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 2 8 1 8 5 - 0 0 7 - 0 0 0 2 OF 0 3	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

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

INADVERTENT SAFETY INJECTION1. Description of the Event

On 6-12-85 at 1735 hours with the unit in refueling shutdown and on RHR, a spurious safety injection (SI) occurred during the performance of Periodic Test 18.2A (Safety Injection Functional). Testing of the "A" train of SI had been successfully completed. During the post train "A" test reset, the main feedwater regulating valves (EIIS No.: FCV) could not be reopened. During troubleshooting of this problem, an Instrument Technician found a SI relay (EIIS No.: RLY) apparently out of position for this stage of the test. Believing SI to be reset and blocked, the technician repositioned the relay at which time the SI occurred.

2. Probable Consequences:

With the unit in refueling shutdown and most components in position for testing, there were no challenges to plant safety systems and the core received no flow. Also, the SI functional test is performed only at refueling shutdown, a similar event is not expected with the unit at power, therefore the health and safety of the public were unaffected and an unreviewed safety question was not created.

3. Cause

An inadequacy in the SI functional procedure led to this event. The procedure contains one step that executes two actions, reset and then block SI. As a result, the Senior Reactor Operator performing the test reset, but did not block SI after Train "A" of SI was initiated.

The apparent problem with the feedwater regulating valves and SI relay was due to SI not being blocked, therefore no fault existed with these components.

4. Immediate Corrective Action

Plant conditions were monitored and it was noted that, due to the existing plant conditions, no safety injection was required.

5. Additional Corrective Actions:

None required.

6. Action Taken to Prevent Recurrence

The SI functional procedure for units 1 and 2 will be modified so that there will be a separate step and sign off to reset and block SI after each portion of the test.

NRC Form 366A
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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EXPIRES: 8/31/85

FACILITY NAME (1) Surry Power Station, Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 2 8 1 8 5 - 0 0 7 - 0 0	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		OF
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

INADVERTENT SAFETY INJECTION7. Generic Implications

None.



VIRGINIA POWER

Surry Power Station
P. O. Box 315
Surry, Virginia 23883

July 5, 1985

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

Serial No: 85-017
Docket No: 50-281
License No: DPR-32

Gentlemen:

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

REPORT NUMBER

85-007-00

This report has been reviewed by the Station Nuclear Safety and Operating Committee and will be reviewed by Safety Evaluation and Control.

Very truly yours,

R. F. Saunders
for *R. F. Saunders*, ASST
Station Manager STN
Enclosure MGR

cc: Dr. J. Nelson Grace
Regional Administrator
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30323

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11