

NRC Form 368  
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION  
APPROVED OMB NO. 3150-0104  
EXPIRES: 8/31/85

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 2**

TITLE (4) **Inoperable IRPIs**

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)
11	07	85	85	009	01	01	08	86		0 5 0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

OPERATING MODE (9) <b>N</b>	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) <b>0 1 2 1 7</b>	20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 368A)
	20.406(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(vii)(A)	
	20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(vii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME **R. F. Saunders, Station Manager** TELEPHONE NUMBER **810 4 31 5171-1311 814**

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
F	RIB	L111	A131810	Y					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) ☐ NO ☒ X

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-spaced/written lines) (16)

ABSTRACT

On November 7, 1985 with the Unit at power, IRPIs for six (6) rods in "D" controlling bank and one rod in "C" controlling bank indicated more than 12 steps from the bank demand position. The IRPIs were declared inoperable per T.S.. All inoperable IRPIs were returned to service in less than one hour.

Control rod position indication is provided by the individual rod position indicator (IRPI). Also, an inoperable IRPI will not affect the operation of the control rod assembly and each rod was capable of being dropped if required. Therefore, the health and safety of the public was not affected.

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NRC Form 366A  
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104  
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FACILITY NAME (1)  Surry Power Station, Unit 2	DOCKET NUMBER (2)  0 5 0 0 0 2 8 1	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REV #/A NUMBER		
		8 5	0 0 9	0 1	0 2	OF 0 2

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

INOPERABLE IRPIs

1. Description of the Event:

On November 7, 1985 at 0810 hours with the unit at 27% power and preparing to increase power, the individual rod position indicators (IRPIs) for the following rods indicated more than 12 steps from the bank demand position:

1) H2	Group 1	D Control Bank
2) P8	Group 1	D Control Bank
3) F6	Group 1	D Control Bank
4) F-10	Group 2	D Control Bank
5) K-10	Group 2	D Control Bank
6) K-6	Group 2	D Control Bank
7) H6	Group 2	C Control Bank

The IRPIs for the listed rods were declared inoperable per T.S.. All inoperable IRPIs were returned to service in less than one hour.

2. Probable Consequences and Status of Redundant Equipment:

Control Rod Position Indication is provided by the IRPI. An inoperable IRPI will not affect the operation of the control rod assembly and each rod was capable of being dropped if required. Therefore, the health and safety of the public was not affected.

3. Cause:

Spurious incorrect rod position indication is known to be a generic Westinghouse PWR concern. The instrumentation drift appears to be affected by primary coolant temperature and control bank movement.

4. Immediate Corrective Action:

While reactor power was maintained constant, the IRPIs for the affected rods were calibrated to give correct indication.

5. Subsequent Corrective Action :

None.

6. Action Taken to Prevent Recurrence :

No specific actions are required at this time.

7. Generic Implications :

IRPI drift is a known generic Westinghouse PWR concern.



VIRGINIA ELECTRIC AND POWER COMPANY

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

January 8, 1986

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

Serial No: 85-031A  
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 update for Surry Unit 2.

REPORT NUMBER

85-009-01

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,

*H L Miller*  
R. F. Saunders *for*  
Station Manager

Enclosure

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

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