

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9003150424      DOC. DATE: 90/03/07      NOTARIZED: NO      DOCKET #  
 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.      05000335  
 AUTH. NAME      AUTHOR AFFILIATION  
 NEELY, L.W.      Florida Power & Light Co.  
 SAGER, D.A.      Florida Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: LER 90-002-00: on 900207, missed surveillance on 125 volt DC batteries result in TS violation due to personnel error.  
 W/8      ltr.

DISTRIBUTION CODE: IE22T      COPIES RECEIVED: LTR ( 1 ENCL 1 )      SIZE: 4  
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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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	DEDRO	1 1
	NRR/DET/ECMB 9H	1 1	NRR/DET/EMEB9H3	1 1
	NRR/DET/ESGB 8D	1 1	NRR/DLPQ/LHFB11	1 1
	NRR/DLPQ/LPEB10	1 1	NRR/DOEA/OEAB11	1 1
	NRR/DREP/PRPB11	2 2	NRR/DST/SELB 8D	1 1
	NRR/DST/SICB 7E	1 1	NRR/DST/SPLB8DI	1 1
	NRR/DST/SRXB 8E	1 1	<u>REG FILE</u> 02	1 1
	RES/DSIR/EIB	1 1	RGN2 FILE 01	1 1
EXTERNAL:	EG&G WILLIAMS, S	4 4	L ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
	NSIC MAYS, G	1 1	NSIC MURPHY, G.A	1 1
	NUDOCS FULL TXT	1 1		

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MARCH 07 1990

L-90-86  
10 CFR 50.73

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

Gentlemen:

Re: St. Lucie Unit 1  
Docket No. 50-335  
Reportable Event: 90-02  
Date of Event: February 7, 1990  
Missed Surveillance on 125 volt DC Batteries Result in  
Technical Specification Violation Due to Personnel Error

The attached Licensee Event Report is being submitted pursuant to the requirements of 10 CFR 50.73 to provide notification of the subject event.

Very truly yours,

*DAS*

D. A. Sager  
Vice President  
St. Lucie Plant

DAS/GRM/sh

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

9003150424 900307  
PDR ADDCK 05000335  
S PDC

*TR22*  
*11*

# LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <p style="text-align: center;">St. Lucie Unit 1</p>	DOCKET NUMBER (2) <p style="text-align: center;">0   5   0   0   0   3   3   5</p>	PAGE (3) <p style="text-align: center;">1   OF   0   3</p>
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TITLE (4) Missed Surveillance on 125 volt DC Batteries Result in Technical Specification Violation 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   2	0   7	9   0	9   0	0   0   2	0   0	0   3	0   7	9   0	N/A		0   5   0   0   0   1   1
									0   5   0   0   0   1   1		

OPERATING MODE (9) <p style="text-align: center;">6</p>	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR : (Check one or more of the following) (11)						
POWER LEVEL (10) <p style="text-align: center;">0   0   0</p>	20.402(b)		20.405(c)		50.73(a)(2)(iv)		73.71(b)
	20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)
	20.405(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vii)		OTHER <i>Specify in Abstract below and in Text NRC Form 366A</i>
	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 <p style="text-align: center;">L. W. Neely, Shift Technical Advisor</p>	TELEPHONE NUMBER
	AREA CODE <p style="text-align: center;">4   0   7</p>
	<p style="text-align: center;">4   6   5   -   3   5   5   0</p>

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)				EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO						

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

On February 07, 1990, with Unit 1 shutdown in a refueling outage, it was discovered that the weekly surveillances on the 1A and 1B 125 volt batteries were not performed on January 30, 1990. Technical Specification 4.8.2.4.2 requires that battery weekly surveillances be performed.

The root cause of the event is due to a cognitive personnel error from an improper turnover to a relieving Electrical Maintenance department Unit 1 supervisor. A lack of an effective tracking system of Technical Specification surveillances by the Electrical Maintenance department compounded the situation.

Corrective actions: Electrical Maintenance will revise their Technical Specification surveillance procedure.

FACILITY NAME (1)  ST. LUCIE UNIT 1	DOCKET NUMBER (2)  0 5 0 0 0 3 3 5	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 0	0 0 2	0 0	0 2	OF	0 3

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

**DESCRIPTION OF THE EVENT**

On February 07, 1990 with Unit 1 in Mode 6 for a refueling outage, it was determined by Electrical Maintenance personnel that the weekly surveillances on the 1A and 1B batteries (EIS:EJ) had not been performed. The weekly surveillances were required in accordance with Technical Specification 4.8.2.4.2. The surveillances were due on January 30, 1990 with a one day extension due January 31, 1990.

At the time of the discovery, Electrical Department personnel performed the weekly surveillances on the 1A and 1B 125 volt batteries that were due February 06, 1990. These were performed within the one day extension of February 07, 1990. The action statement for Technical Specification 3.8.2.4 requires that with less than one 125 volt D.C. bus operable, containment integrity must be established within 8 hours. However, both the 1A and 1B 125 volt batteries were restored to operable status within the 8 hour period and containment integrity was not established.

**CAUSE OF THE EVENT**

The root cause of the event is due to a cognitive personnel error from an improper turnover to a Unit 1 relieving Electrical Maintenance supervisor. The Unit 1 relieving supervisor was unaware that the Technical Specification surveillances were his responsibility. Recent changes in the Electrical Department organization to support the Unit 1 outage, in addition to inadequate procedural guidance for the tracking of Technical Specification surveillances, compounded the situation. An optional Electrical Department checklist for Technical Specification surveillances was not used.

**ANALYSIS OF THE EVENT**

Ensuring that the weekly Technical Specification surveillances on the 1A and 1B batteries previously was the responsibility of one individual. The turnover of the duties to the relieving supervisor did not properly delegate that responsibility, therefore the root cause was due to a cognitive personnel error. The personnel error in the improper turnover was a task that was not covered by an approved procedure. There were no unusual characteristics of the work location that contributed to the error. The personnel involved in the improper turnover were utility maintenance personnel. The normal and backup review processes were unable to identify a missed surveillance within the allowable extension limit for a weekly surveillance. An optional Electrical Maintenance checklist for Technical Specification surveillances was not used. A daily update is needed to ensure surveillances will not be missed.

The missed surveillances requires that specific gravities, electrolyte levels, and float voltages for pilot cells are checked. The subsequent surveillance of on February 07, 1990 was satisfactory, therefore during the week of the missed surveillances the 1A and 1B batteries were able to perform their intended function.

This event was reportable to the NRC under 10CFR50.73(a)(2)(i)(B) as any operation or condition prohibited by the plant's Technical Specification.

Thus, the health and safety of the public were not at risk during this event.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  ST. LUCIE UNIT 1	DOCKET NUMBER (2)  0 5 0 0 0 3 3 5	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 0 --	0 0 2 --	0 0	0	3	0 3

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

CORRECTIVE ACTIONS

- 1) Electrical Maintenance will revise Maintenance Procedure #0930021, Electrical Maintenance Department Surveillance /Testing Schedule. The revision will require the use of Appendix C, which is a checklist for for Technical Specification surveillances.
  
- 2) Electrical Department personnel were counseled on the importance of proper turnover.

ADDITIONAL INFORMATION

COMPONENT FAILURES

NONE

PREVIOUS SIMILAR EVENTS

The most recent similar event is LER 389-89-008, which describes a missed surveillance on Safety Injection header check valves following the refilling of two Safety Injection Tanks due to personnel error.

