

### LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>St. Lucie, Unit 1</b>	DOCKET NUMBER (2) <b>050003335</b>	PAGE (3) <b>1 OF 012</b>
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TITLE (4)  
**Incomplete Surveillance**

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 NAME			DOCKET NUMBER (9)		
									N/A			05000		
05	04	84	84	002	00	06	03	84	St. Lucie, Unit 1			050003335		

OPERATING MODE (10) <b>2</b>	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (16) <b>0.00</b>	<input type="checkbox"/> 20.402(a)	<input type="checkbox"/> 20.408(a)	<input type="checkbox"/> 20.736(a)(2)(iv)	<input type="checkbox"/> 73.71(b)						
	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 20.39(a)(1)	<input type="checkbox"/> 20.736(a)(2)(v)	<input type="checkbox"/> 73.71(a)						
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 20.39(a)(2)	<input type="checkbox"/> 20.736(a)(2)(vi)	OTHER (Specify in Abstract below and in Test, NRC Form 305A)						
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input checked="" type="checkbox"/> 20.736(a)(2)(i)	<input type="checkbox"/> 20.736(a)(2)(vii)(A)							
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 20.736(a)(2)(ii)	<input type="checkbox"/> 20.736(a)(2)(vii)(B)							
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 20.736(a)(2)(iii)	<input type="checkbox"/> 20.736(a)(2)(viii)								

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME <b>Joe Moaba</b>		AREA CODE <b>305</b>	<b>552-3680</b>

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
X	Z	Z	Z	N					

SUPPLEMENTAL REPORT EXPECTED (14)			EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input type="checkbox"/> NO					

ABSTRACT (Limit to 1000 words, i.e., approximately 1900 single-line typewritten lines) (16)

This was FPL's first performance of a Steam Generator Eddy Current Testing Program for an operating unit. The inspection was supported by FPL trained personnel, complimented by contractor personnel as advisors. The program was designed to inspect approximately 9% of the tubes in each steam generator, thereby addressing FPL and industry concerns. This required that the initial program include several discrete areas within the generator.

A portion of the steam generator tubes were inspected to Technical Specification requirements, while the full length of other tubes were examined to address the industry findings (i.e., on the opposite legs of the generators). During the inspections, it was necessary to increase the inspection of the "1A" generator to 100% to satisfy Technical Specification Category C3, as well as FPL concerns. The inspection program in "1B" was also increased to address similar areas of concern. During the expanded program in the 1B generator, we found indications which placed us in Technical Specification Category C2. To address these circumstances we decided to inspect the steam generators from both (Hot Leg/Cold Leg) channel heads and increased the inspection of the "1B" generator to 100% even though we were, and remained in, Cat 2. We decided to increase the inspection to full length in both generators. This resulted in going back into many of the previously inspected tubes to inspect the opposite leg.

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PDR ADOCK 05000335  
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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	REGION NUMBER			
		8 4	- 0 0 2	- 0 0	0 2	of	0 2

TEXT (If more space is required, use additional NRC Form 266A (11/71))

Subsequent to the completion of the inspection, FPL decided to conduct a complete overview of the inspection results to determine the actual conditions of the generators. In the ensuing review, the following results were found:

- SG1A - 12 tubes were missed  
3 tubes were partially tested
- SG1B - 6 tubes were missed  
5 tubes were partially tested

Note: Partial test denotes the inspection was not performed in accordance with the Technical Specification.

Subsequently, the following numbers of tubes were inspected during the May 8-10 inspection.

- SG1A - 71
- SG1B - 46

The additional number of tubes re-inspected were to bound these conditions and to verify that inspections had been conducted consistent with the correct tube identity and location.

The combination of all those events significantly increased the overall magnitude of data management of the inspection. The programmatic aspects of this increase, as well as the expansion of the data acquisition and analysis, increased both the complexity and difficulty of the effort. The data management was done manually using more people than anticipated to cope with the increased volume of work. The data analysis was conducted for the first time using the new Zetec DDA4 digital data analysis system. The recorded data results and format were unfamiliar to the FPL data controllers. In addition, entries or absence thereof by the various Zetec analysts were observed.

To preclude recurrence of similar problems in the future, FPL will be prepared in all cases to address the probability of program expansion by:

- 1) Use of computerized data control, if deemed necessary.
- 2) Require more frequent surveillance and overview of the data package and program as an ongoing function.



June 1, 1984  
PNS-LI-84-200

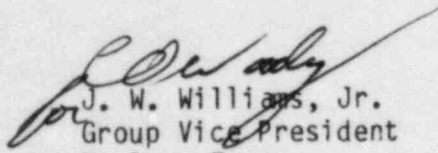
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Gentlemen:

Re: Reportable Event 84-02  
St. Lucie Unit 1  
Date of Event: May 4, 1984

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

Very truly yours,

  
J. W. Williams, Jr.  
Group Vice President  
Nuclear Energy

JWW/SAV/js

Attachment

cc: J. P. O'Reilly, Region II, USNRC  
Harold F. Reis, Esquire  
File 933.1

IE22  
1/1