

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
INCIDENT REPORT

TO: N.C. Meseley

FROM: Florida Power & Light Co.
Miami, Florida
A.D. SchmidtDATE OF DOCUMENT
6-10-76DATE RECEIVED
6-17-76☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

☐ ORIGINAL
☒ COPY☒ UNCLASSIFIED

30

DESCRIPTION

Ltr. trans the following.....

ENCLOSURE

Licensee Event Report (R.O. 76-9) on 3-31-76
Concerning Mechanical Pipe Restraints
Supplementary Report #1

(30 Carbon Signed Cys. Received)

(4 Pages)

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: St. Lucie # 1

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

SAFETY

FOR ACTION/INFORMATION

ENVIRO

SAB 6-17-76

BRANCH CHIEF:

Kniel

W/3 CYS FOR ACTION

LIC. ASST:

Lee

W/ -CYS

ACRS 16 CYS. ~~XXXXXXXX~~ SENT TO LA

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (2)

MIPC (3)

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES/-

CASE

Butler

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Ft. Pierce, Fl.

TIC

NSIC

6135

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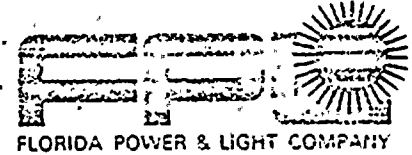
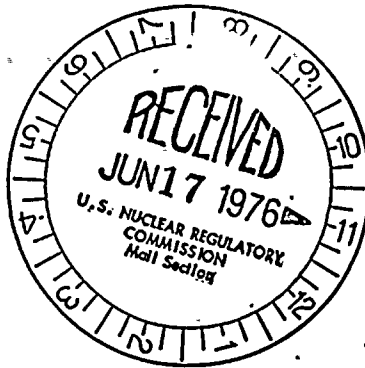
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Regulatory

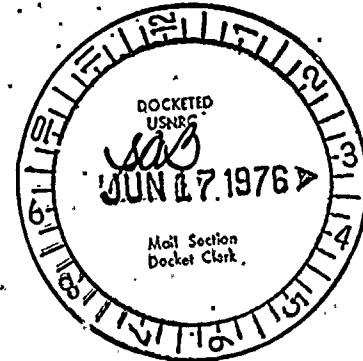
File Cy.



June 10, 1976

PRN-LI-76-143

Mr. Norman C. Moseley, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
230 Peachtree Street, N. W., Suite 818
Atlanta, Georgia 30303



Dear Mr. Moseley:

REPORTABLE OCCURRENCE 335-76-9
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: MARCH 31, 1976

MECHANICAL PIPE RESTRAINTS
SUPPLEMENTARY REPORT NO. 1

The attached Licensee Event Report is being submitted to
supplement our initial report of April 12, 1976.

Very truly yours,

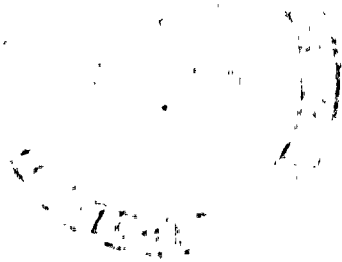
A. D. Schmidt
A. D. Schmidt
Vice President
Power Resources

MAS/cpc

Attachment

cc: Jack R. Newman, Esquire
Director, Office of Inspection and Enforcement (40)
Director, Office of Management Information and
Program Control (3)

6135



12

[PLEASE PRINT ALL REQUIRED INFORMATION]

GPO 801.667

Event Description (Continued)

by Pacific Scientific snubbers.

Cause Description (Continued)

S/N 000377

The front and rear caps of the snubber were removed. A thin layer of oxidation was found on the inside of both caps, and there was water inside the rear cap. The ball screw was operational, and clearances between internal components were normal. However, there was a large amount of rust sludge and water inside the center section which caused rotational binding. The rotational binding resulted in resistance to thermal movement.

Also, the thrust bearing was installed incorrectly at the factory, but this did not cause the snubber malfunction.

S/N 000343

This snubber was found to have an improper end fitting (i.e., no ball bushing), and its indicator bar was slightly bent. With the correct end fitting, the snubber was operational, therefore, it was not disassembled.

S/N 000525

The front and rear caps were removed and the snubber interior was found to be clean. The ball screw was operational, and the clearances between internal components were normal. However, there was slight rotational binding in the center section. When the adaptor assembly was rotated one revolution, the snubber began to operate, but with a higher than normal resistance to movement. The adaptor assembly was removed and a small amount of oxidation was found on the thrust bearing. The amount of oxidation was considered large enough to have caused the snubber malfunction.

S/N 000695

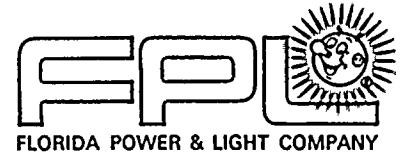
Same description as for 000525.

REPORTABLE OCCURRENCE 335-76-9
SUPPLEMENTARY LER NO. 1
PAGE THREE

Cause Description (Continued)

S/N 000632

The front and rear caps were removed and the snubber interior was found to be clean. The ball screw was operational, and the clearances between internal components were normal. However, there was rotational binding in the center section. The adaptor assembly was removed and a large amount of oxidation was found on the thrust bearing. The oxidation caused the snubber malfunction.



June 10, 1976

PRN-LI-76-143

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Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
230 Peachtree Street, N. W., Suite 818
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ST. LUCIE UNIT 1
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A. D. Schmidt
Vice President
Power Resources

MAS/cpc

Attachment

cc: Jack R. Newman, Esquire
Director, Office of Inspection and Enforcement (40)
Director, Office of Management Information and
Program Control (3)

AO 4

JUN 14 10 36 AM '76

RECEIVED
FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME 01 F L S L S 1										LICENSE NUMBER 00 - 00 00 00 - 00 0										LICENSE TYPE 4 1 1 1 1					EVENT TYPE 0 1			
CATEGORY 01 CONT										REPORT TYPE T		REPORT SOURCE L		DOCKET NUMBER 0 5 0 - 0 3 3 5					EVENT DATE 0 3 3 1 7 6					REPORT DATE 0 6 1 0 7 6				

EVENT DESCRIPTION

02 Preoperational testing of piping restraints (snubbers) was being per-																																																																															
03 formed during the heatup for Post Core Hot Functional testing. At the																																																																															
04 260°F heatup plateau, five INC mechanical snubbers were found to be																																																																															
05 locked up. The immediate action was to replace the defective snubbers																																																																															
06 with operable snubbers. All of the INC snubbers have since been replaced																																																																															

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION	
07 Z Z		B		H A N G E R				A		B 2 1 0				N	

CAUSE DESCRIPTION

08 As previously reported, it was determined that oxidation of internal																																																																															
09 components was the cause of the occurrence. Subsequent factory labora-																																																																															
10 tory testing and analysis showed the following:																																																																															

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
11 B		0 0 0		N/A		C		Preoperational Test Procedure	

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	
12 Z		Z		N/A		N/A	

PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION	
13 0 0 0		Z		N/A	

PERSONNEL INJURIES

NUMBER		DESCRIPTION	
14 0 0 0		N/A	

PROBABLE CONSEQUENCES

15 N/A																																																																															
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LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION	
16 Z		N/A	

PUBLICITY

17 N/A																																																																															
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ADDITIONAL FACTORS

18 See Pages 2 and 3 for continuation of Event & Cause Descriptions.																																																																															
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NAME: M. A. Schoppman

PHONE: 305/552-3779

Event Description (Continued)

by Pacific Scientific snubbers.

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SUPPLEMENTARY LER NO. 1
PAGE THREE

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200