

BRANCH CHIEF:	<i>Ziemann</i>	
W/3 CYS FOR ACTION		
LIC. ASST.:	<i>Diggs</i>	
W/ / CYS		
ACRS /6 CYS HOLDING/SENT		

INTERNAL DISTRIBUTION

REG FILE				
NRC PDR				
I & E (2)				
MIPC				
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BUTLER				
HANAUER				
TEDESCO/MACCARY				
EISENHUT				
BAER				
SHAO				
VOLLMER/BURGH				
KREGER/J. COLLINS				

EXTERNAL DISTRIBUTION

LPDR: <i>ft Pierce, Fla</i>		
TIC:		
NSIC:		

CONTROL NUMBER

335
A04
770740401
GD

1941

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Mr. N. C. Moseley

FROM: FPL
Miami, Fla. 33101
A.D. SchmidtDATE OF DOCUMENT
3-4-77DATE RECEIVED
3-14-77☒ LETTER
☒ ORIGINAL
☐ COPY☐ NOTORIZED
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

DESCRIPTION Ltr trans the following: (1P)

ENCLOSURE Lic. Event Report 76-40 which occurred
on July 18, 1976 re shutdown cooling relief
valves opeing below the design setpoint
pressure & then failing to reseal in their
intended manner..... (2P)

DO NOT REMOVE

ACKNOWLEDGED

PLANT NAME: St. Lucie Unit 1

DBL

770740401

SAFETY

FOR ACTION/INFORMATION

ENVIRO

ASSIGNED AD:

ASSIGNED AD:

BRANCH CHIEF:

BRANCH CHIEF:

PROJECT MANAGER:

PROJECT MANAGER:

LIC. ASST.:

LIC. ASST.:

INTERNAL DISTRIBUTION

REG FILE

SYSTEMS SAFETY

PLANT SYSTEMS

SITE SAFETY &

NRC PDR

HEINEMAN

TEDESCO

ENVIRO ANALYSIS

I. & E

SCHROEDER

BENAROYA

DENTON & MULLER

OELD

LAINAS

GOSSICK & STAFF

ENGINEERING

IPPOLITO

ENVIRO TECH.

MIPC

MACARRY

KIRKWOOD

ERNST

CASE

BOSNAK

BALLARD

HANAUER

SIHWEIL

OPERATING REACTORS

YOUNGBLOOD

HARLESS

PAWLICKI

STELLO

SITE TECH.

PROJECT MANAGEMENT

REACTOR SAFETY

OPERATING TECH.

GAMMILL

BOYD

ROSS

EISENHUT

STEPP

P. COLLINS

NOVAK

SHAO

HULMAN

HOUSTON

ROSZTOCZY

BAER

PETERSON

CHECK

BUTLER

SITE ANALYSIS

MELTZ

GRIMES

VOLLMER

HELTEMES

AT & I

BUNCH

SKOVHOLT

SALTZMAN

J. COLLINS

RUTBERG

KREGER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR:

NAT. LAB:

BROOKHAVEN NAT. LAB.

TIC:

REG V.IE

ULRIKSON (ORNL)

NSIC:

LA PDR

ASLB:

CONSULTANTS:

ACRS CYS HOLDING/SENT

770740401

1-1-68

1-1-68

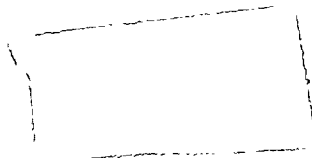
1-1-68

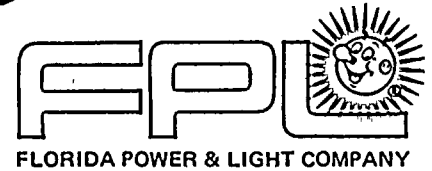
1-1-68

(1)

NOT REMOVED

REMOVED





March 4, 1977

PRN-LI-77-58

REGULATORY DOCUMENT FULL COPY

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 335-76-40
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: JULY 18, 1976

SHUTDOWN COOLING FLOW -
UPDATE REPORT NO. 1

The attached Licensee Event Report is being submitted to
update our initial report of August 18, 1976.

Very truly yours,

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

MAS/cmp

Attachment

cc: Robert Lowenstein, Esquire
Director, Office of Inspection and Enforcement (30)
Director, Office of Management Information and
Program Control (3)



2631

770740401

THE

LICENSEE EVENT REPORT

Initial Report
August 18, 1976

CONTROL BLOCK: 1 6 UPDATE #1

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME														LICENSE NUMBER														LICENSE TYPE														EVENT TYPE			
01 F L S L S 1														00-000000-00														41111														03			
7 8 9 14 15 25 26 30														31 32														Supplementary																	
01 CONT														050-0335														071876														030477			
7 8 57 58 59 60 61 68 69 74 75 80														REPORT TYPE				REPORT SOURCE				DOCKET NUMBER				EVENT DATE				REPORT DATE															

EVENT DESCRIPTION

02 During reactor shutdown and cooldown, it was found that pressurizer																																																																															
03 level would drop whenever either set of shutdown cooling system suction																																																																															
04 valves were opened. Pressurizer level dropped because there was flow																																																																															
05 through both the "A" and "B" suction relief valves. In order to main-																																																																															
06 tain pressurizer level, it was necessary to start and then stop shut-																																																																															

SYSTEM CODE										CAUSE CODE										COMPONENT CODE										PRIME COMPONENT SUPPLIER										COMPONENT MANUFACTURER										VIOLATION									
07 C F										E										V A L V E X										N										C 7 1 0										N									
7 8 9 10 11 12 17 43 44 47 48																																																											

CAUSE DESCRIPTION

08 The above occurrence was caused by the shutdown cooling relief valves																																																																															
09 opening below the design setpoint pressure and then failing to reseal																																																																															
10 in their intended manner. An evaluation was performed and the																																																																															

FACILITY STATUS										% POWER										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION									
11 D										000										N/A										A										N/A									
7 8 9 10 12 13 44 45 46 80																																																	

FORM OF ACTIVITY RELEASED										CONTENT OF RELEASE										AMOUNT OF ACTIVITY										LOCATION OF RELEASE									
12 Z										Z										N/A										N/A									
7 8 9 10 11 44 45 80																																							

PERSONNEL EXPOSURES

NUMBER										TYPE										DESCRIPTION									
13 000										Z										N/A									
7 8 9 11 12 13 80																													

PERSONNEL INJURIES

NUMBER										DESCRIPTION									
14 000										N/A									
7 8 9 11 12 80																			

PROBABLE CONSEQUENCES

15 N/A																																																																															
7 8 9 80																																																																															

LOSS OR DAMAGE TO FACILITY

TYPE										DESCRIPTION									
16										N/A									
7 8 9 10 80																			

PUBLICITY

17 N/A																																																																															
7 8 9 80																																																																															

ADDITIONAL FACTORS

18 See Page Two for continuation of Event Description and Cause Description																																																																															
7 8 9 80																																																																															

19																																																																															
7 8 9 80																																																																															

NAME: M. A. Schoppman PHONE: 305/552-3779

EVENT DESCRIPTION (Continued)

down cooling flow on a cycle of approximately fifteen (15) minutes. RCS pressure was reduced and maintained below 210 psia and both relief valves were gagged shut to allow continuous operation of the shutdown cooling system. The shutdown cooling relief valves were not seating properly which caused pressurizer level to drop whenever the suction valves were opened. (335-76-40).

CAUSE DESCRIPTION (Continued)

following recommendations made:

- (1) Reposition the relief valves such that the valve stem/disc assemblies are in the vertical plane. This will insure that the disc insert is not allowed to rotate.
- (2) Reset the blowdown of each of the valves from the present 25% value to approximately 10%. This will minimize the effect on pressurizer level while still protecting the shutdown cooling piping.
- (3) Increase inlet piping size to provide direct and unobstructed flow to the relief valves. This will prevent valve oscillations due to flow choking.

The above changes do not alter the design intent or function of the relief valves, and were approved for plant modification under the provisions of 10 CFR 50.59.

The modification has been completed and on a subsequent startup from cold shutdown no problems were observed.

