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LIC. ASST.:	<i>Diggs</i>
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EXTERNAL DISTRIBUTION

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LPDR: <i>St Pierce, Fla</i>				
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335
A04
770740401
GD

1950

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Mr. N. C. Moseley

FROM: FPL
Miami, Fla. 33101
A.D. Schmidt

DATE OF DOCUMENT
3-4-77

DATE RECEIVED
3-14-77

LETTER
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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:

BRANCH CHIEF:

PROJECT MANAGER:

LIC. ASST. :

ASSIGNED AD:

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INTERNAL DISTRIBUTION

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REACTOR SAFETY

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SHAO

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SALTZMAN

J. COLLINS

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EXTERNAL DISTRIBUTION

CONTROL NUMBER

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NSIC:

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ACRS CYS HOLDING/SENT

770740401

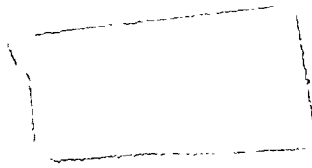
SECRET

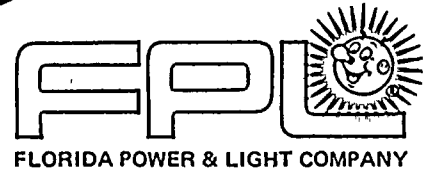
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March 4, 1977

PRN-LI-77-58

REGULATORY DOCUMENT 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

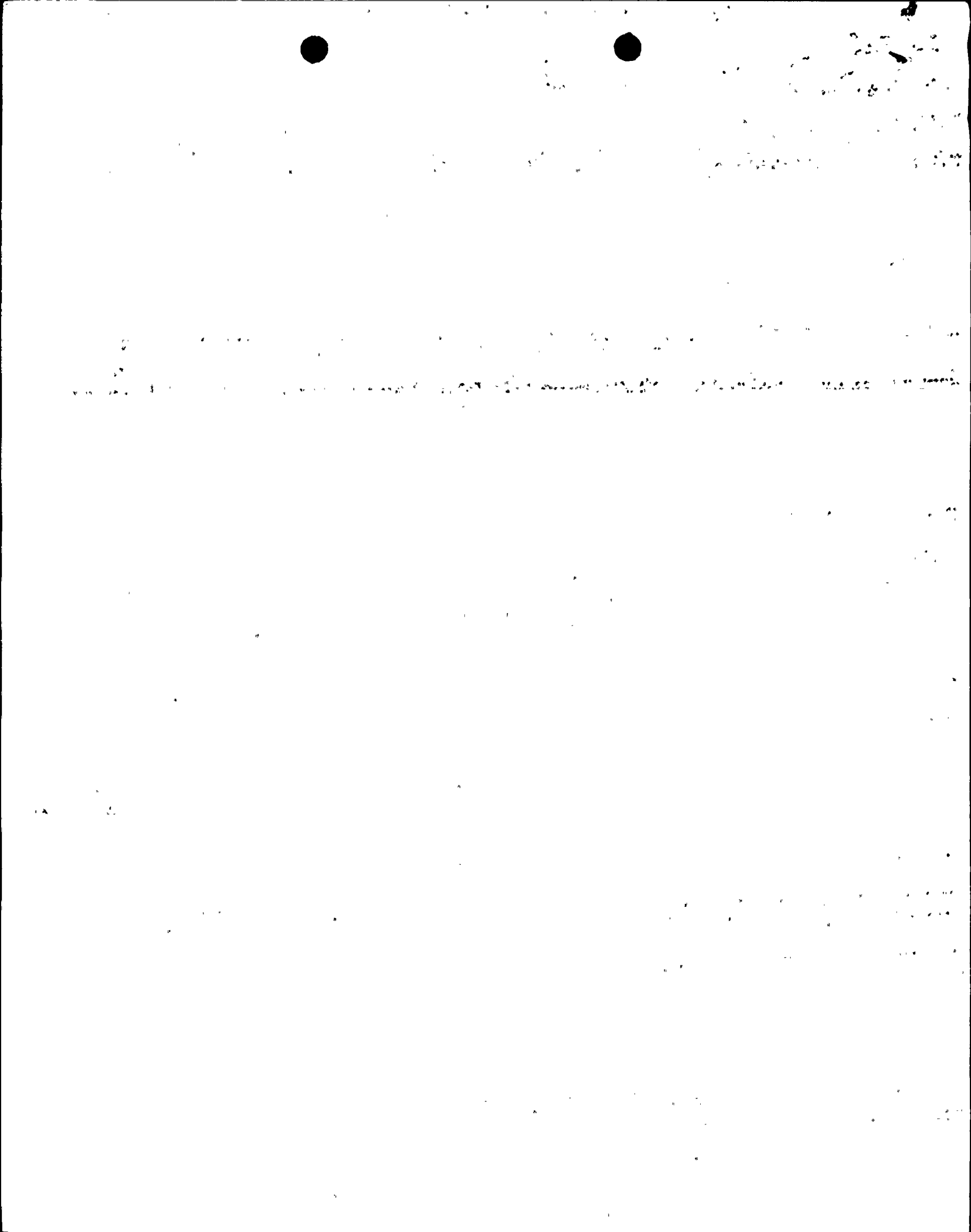
Attachment

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

2631

770740401

1800



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.

