

B 8/16/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-335

REC: OREILLY J P
NRC

ORG: SCHMIDT A D
FL PWR & LIGHT


DOCDATE: 08/08/78
DATE RCVD: 08/15/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED
LTR 1 ENCL 1

SUBJECT:
UPDATE TO LICENSEE EVENT REPT 50-335/78-11 ON 04/15/78 CONCERNING REMOVAL OF
THE UPPER GUIDE STRUCTURE AND THREE(3) OF THE 45 INCORE INSTRUMENTS
REMAINED IN THE CORE.

PLANT NAME: ST LUCIE #1

REVIEWER INITIAL: XBT
DISTRIBUTOR INITIAL: 

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: ~~BR CHIEF~~ ORB#4 BC**W/4 ENCL

INTERNAL:

- ~~REG FILE~~**W/ENCL
- I & E**W/2 ENCL
- I & C SYSTEMS BR**W/ENCL
- NOVAK/CHECK**W/ENCL
- AD FOR ENG**W/ENCL
- HANAUER**W/ENCL
- AD FOR SYS & PROJ**W/ENCL
- ENGINEERING BR**W/ENCL
- KREGER/J. COLLINS**W/ENCL
- K SEYFRIT/IE**W/ENCL


- NRC PDR**W/ENCL
- MIPC**W/3 ENCL
- EMERGENCY PLAN BR**W/ENCL
- EEB**W/ENCL
- PLANT SYSTEMS BR**W/ENCL
- AD FOR PLANT SYSTEMS**W/ENCL
- REACTOR SAFETY BR**W/ENCL
- VOLLMER/BUNCH**W/ENCL
- POWER SYS BR**W/ENCL

EXTERNAL:

- LPDR'S
- FT PIERCE, FL**W/ENCL
- TIC, LIZ CARTER**W/ENCL
- NSIC**W/ENCL
- ACRS CAT B**W/16 ENCL

DISTRIBUTION: LTR 45 ENCL 45
SIZE: 3P

CONTROL NBR: 782230311

A0 

***** THE END *****



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Main body of faint, illegible text, appearing to be several lines of a document or list.

Faint, illegible text at the bottom of the page, possibly a footer or concluding remarks.

REGULATORY DOCKET FILE COPY



August 8 1978

DIS. DIVISION SERVICES BRANCH
PRN-LI-78-215

US NRC
DIS. DIVISION SERVICES
BRANCH

1978 AUG 15 PM 12 57

RECEIVED DISTRIBUTION SERVICES UNIT

Mr. James P. O'Reilly, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
230 Peachtree Street, N. W., Suite 1217
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

REPORTABLE OCCURRENCE 335-78-11
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: MARCH 26, 1978

INCORE INSTRUMENT THIMBLES
UPDATE REPORT NO. 1

The attached Licensee Event Report is being submitted to update our initial report of April 28, 1978.

Very truly yours,

for JRB
A. D. Schmidt
Vice President
Power Resources

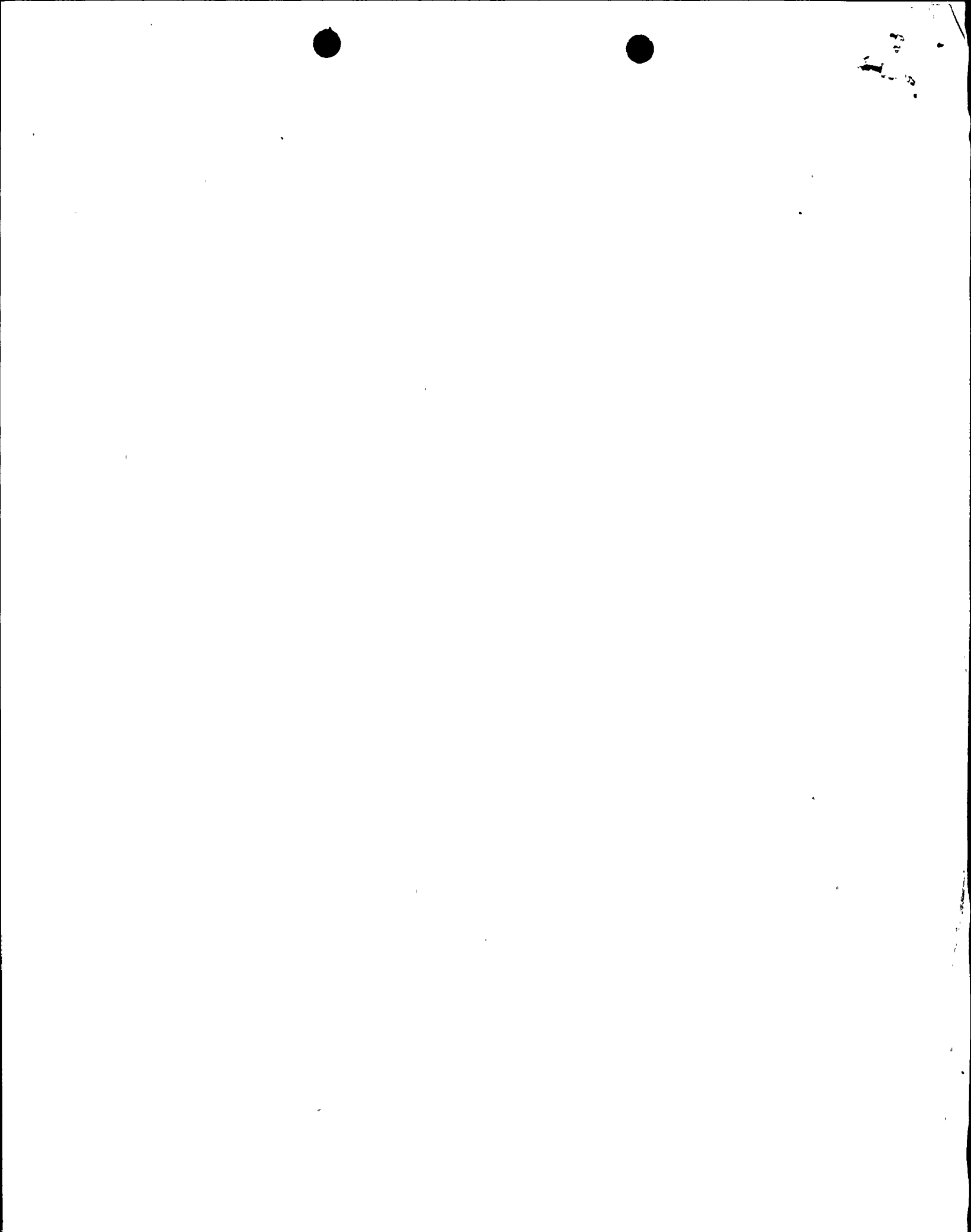
MAS/cpc

Attachment

cc: Harold F. Reis, Esquire
Director, Office of Inspection and Enforcement (40)
Director, Office of Management Information and
Program Control (3)

782230311

*A002
S/11*



Event Description (continued)

to prevent detector movement in the fuel assembly CEA guide tubes. Although evidence showed that the thimbles separated before the plant shutdown, there was no effect on plant operation because the associated detectors were still fully operable and the system is designed with a high degree of redundancy. The thimbles were repaired and returned to service. This is the first event of its type at St. Lucie: (335-78-11)

Cause Description (continued)

extension tube (mechanical stresses) and the fillet weld over the threaded portion (residual and mechanical stresses). The repair of the broken thimble has been conducted to assure resistance to this type of fatigue failure.

Although it is possible that one or more thimbles of the type that did break could break during future operation, the vendor does not have any information that this will occur. This identical design is used in one other vendor plant that has been in operation six months longer than St. Lucie 1 and has had no failures. The vendor has evaluated the mechanical implications of one or more thimbles breaking during operation and has determined that the thimble is completely entrapped in its guide path, so that even though broken it cannot migrate to another location and cause damage to fuel or other components.

Although the three thimbles appear to have been broken for a period of time prior to shutdown, all three in-core instruments in those positions were still functioning. Due to the redundancy of the in-core instrument system, the loss of one or more instruments could be tolerated even if the broken ICI thimble caused the in-core instrument to fail. In addition, operation with failed in-core detectors is a reviewed issue addressed by technical specifications.

