

A 09/27/78

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

REC: OREILLY J P
NRC

ORG: SCHMIDT A D
FL PWR & LIGHT

DOC DATE: 09/15/78
DATE RCVD: 09/26/78

DOCTYPE: LETTER NOTARIZED: NO COPIES RECEIVED
SUBJECT: LTR 1 ENCL 1
FORWARDING LICENSEE EVENT REPT (RO 50-335/78-031) ON 08/16/78 CONCERNING THE
GINCA CODE OPERATOR USED INCORRECT FLUX INPUTS IN ARRIVING AT THE INCORE
SETPOINTS...W/ATT.

PLANT NAME: ST LUCIE #1

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: *mu*

***** 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:

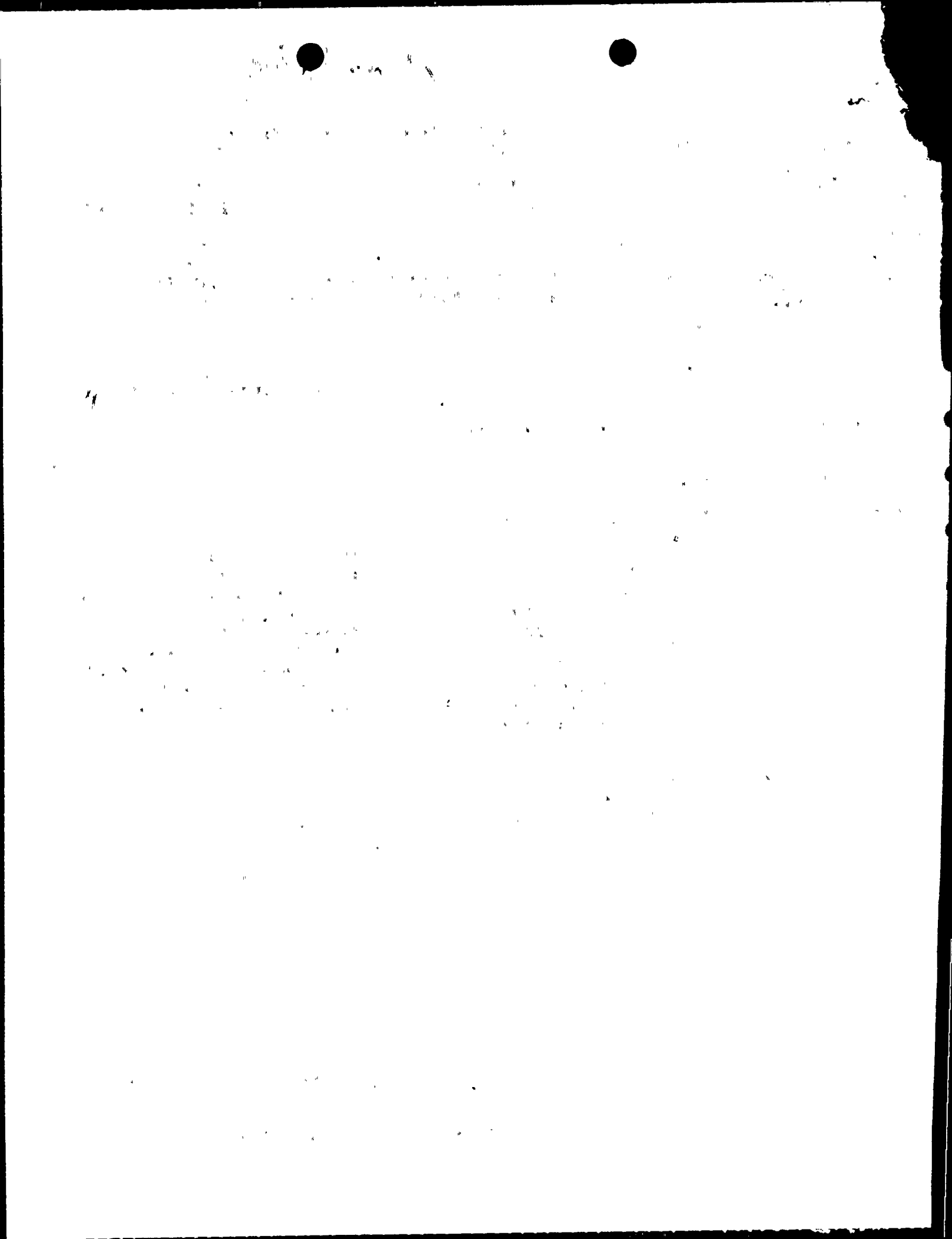
- LPDR'S
- FT PIERCE, FL**W/ENCL
- NSIC**W/ENCL
- ACRS CAT B**W/16 ENCL

DISTRIBUTION: LTR 44 ENCL 44
SIZE: 1P+1P+1P

CONTROL NBR: 781770058

A0460

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





September 15, 1978

PRN-LI-78-259

Mr. James P. O'Reilly, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

REPORTABLE OCCURRENCE 335-78-31
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: AUGUST 16, 1978

TECHNICAL SPECIFICATION 4.2.1.4
INCORE SETPOINTS

1978 SEP 20 AM 2 00
REGULATORY SERVICES UNIT
DISTRIBUTION SERVICES UNIT

The attached Licensee Event Report is being submitted in accordance with Technical Specification 6.9 to provide 30-day notification of the subject occurrence.

Very truly yours,

J.R. Beusen
for A. D. Schmidt
Vice President
Power Resources

MAS/cpc

Attachment

cc: Harold F. Reis, Esquire
Director, Office of Inspection and Enforcement (30)
✓ Director, Office of Management Information and
Program Control (3)

781770058

A002
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LICENSEE EVENT REPORT

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

011 | F | I | L | L | S | L | S | I | 2 | 0 | 0 | - | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | - | 0 | 1 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 5

CON'T
011 | L | 6 | 0 | 5 | 1 | 0 | 1 | 0 | 1 | 3 | 3 | 5 | 7 | 0 | 1 | 8 | 1 | 1 | 6 | 1 | 7 | 1 | 8 | 3 | 0 | 1 | 9 | 1 | 1 | 5 | 1 | 7 | 1 | 8 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
012 | Nonconservative incore alarm setpoints were in use for about 6-1/4 hours.
013 | More conservative setpoints were developed and entered into the system. No
014 | limits had been exceeded while the incorrect setpoints were in use. This
015 | was the third occurrence of this type (see 335-76-34 and 335-77-20), but
016 | the other two were not due to the same cause.
017 |
018 |

019 | I | E | 11 | X | 12 | Z | 13 | I | I | N | I | S | I | T | I | R | U | 14 | Y | 15 | Z | 16
17 | 7 | 18 | 1 | 0 | 3 | 1 | 1 | 1 | 0 | 13 | L | 10 | 0
18 | X | 13 | Z | 19 | Z | 20 | Z | 21 | 0 | 10 | 0 | 10 | Y | 22 | N | 24 | N | 25 | F | I | T | 20 | 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
110 | The GINCA code operator used incorrect flux inputs in arriving at the
111 | incore setpoints. Corrected setpoints were entered into the system within
112 | 6-1/4 hours. Vendor personnel are aware of the impact of the error.
113 |
114 |

115 | E | 28 | 1 | 1 | 0 | 10 | 29 | NA | B | 31 | Routine Surveillance
116 | Z | 33 | Z | 34 | NA | NA
117 | 0 | 0 | 0 | 37 | Z | 38 | NA
118 | 0 | 0 | 0 | 40 | NA
119 | Z | 42 | NA
120 | N | 44 | NA

Additional Event Description

Incore alarm setpoints that had been entered into the incore detector monitoring system as required by Specification 4.2.1.4 were found to be non-conservative. Incorrect setpoints were in use for about 6-1/4 hours. Calculation of these setpoints is based on output from GINCA, a computer code used to analyze data from the incore flux detectors. This code is supplied and maintained by the NSSS vendor. More conservative hand-calculated setpoints were determined to be correct and were entered into the incore detector monitoring system. After being notified of the problem, the NSSS vendor reported the cause described below in the Cause Description. A review was performed to ensure that no actual limits had been exceeded while the incorrect setpoints were in use. This was the third occurrence of non-conservative incore alarm setpoints (see 335-76-34 and 335-77-20), but the other two were not due to the same cause.

Additional Cause Description

The GINCA code operator used incorrect flux inputs in arriving at the incore setpoints. Corrected setpoints were entered into the incore detector monitoring system within 6-1/4 hours. The incore alarm setpoints that had been entered into the incore detector monitoring system prior to entering the incorrect setpoints were verified to have been correct. Vendor personnel are aware of the impact of the error.

