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P.O. BOX 013100, MIAMI, FLORIDA 33101

FLORIDA POWER & LIGHT COMPANY

June 11, 1976



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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 335-76-20 ST. LUCIE UNIT 1 DATE OF OCCURRENCE: MAY 12, 1976

#### POWER DEPENDENT INSERTION LIMIT

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,

kind A. D. Schmidt

Vice President . Power Resources

MAS/cpc '

Attachment

cc: Jack R. Newman, Esquire Director, Office of Inspection and Enforcement (30) Director, Office of Management Information and Program Control (3)

- 	LICENSEE EVENT REPORT	
		<b>i</b> ]
	UCENSEE NAME. 011 FLSLS1 00000000004111003 7 8 9 14 15 25 26 30 31 32	•
	CATEGORY       REPORT TYPE       REPORT SOURCE       DOCKET NUMBER       EVENT DATE       REPORT DATE         011CONT       1       1       1       0       5       0       5       0       5       0       6       0       6       1       1       7       6       0       6       1       1       7       6       0       6       1       1       7       6       0       6       1       1       7       6       6       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       8       7       7       7       7       7       8       7       7       7       7       8       8       7       7       7       8       8       8       7       7       7       8       8       8       8       8       7       7       7       8       8       8       8       7       7       7       8       8       8       8       7       7       7       8       8       8       8       7       7       7       8       8       8       8	
•	Old         During power ascension to the twenty percent plateau, it was observed	J
	7 89 03   that the Power Dependent Insertion Limit was changing in the non-	Õ
	7 8 9 04   conservative direction as power was being increased. Backup rod position	ō 1
	7 8 9 05   indication was available from the data processor and, while the problem	õ
	7 8.9 DE [existed, the position of each regulating CEA group was periodically	ō ]
4	7     8     9     PRAME     COMPONENT     PRAME     COMPONENT     COMPONENT     COMPONENT     COMPONENT     COMPONENT     COMPONENT     SUPPLER     MANUFACTURER     VOLATION       07     1 <td></td>	
	CAUSE DESCRIPTION	
	018       The cause of the occurrence was an error in a RPS interface circuitry         7       8         019       control wiring diagram. Corrective action has been as described in the	
	[10] Event Description.	ļ
	FACELITY STATUS     * POWER     OTHER STATUS     METHOD OF DISCOVERY     DISCOVERY     DISCOVERY     DESCRIPTION       11     B     0 2 0     N/A     a     N/A       7 8 9     10     12 13     44 45 46     80	
	FORM OF ACTIVITY       CONTENT RELEASED       AMOUNT OF ACTIVITY       LOCATION OF RELEASE         12       Z       Z       N/A       N/A         7       8       9       10       11       44       45	
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	13     0     0     0     2     N/A       7     8     9     11     12     13	
•	PERSONNEL INJURIES	,
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REPORTABLE OCCURRENCE 335-76-20 LICENSEE EVENT REPORT PAGE TWO

#### Event Description (Continued)

verified to be within the Power Dependent Insertion Limit. A wiring error was found in the interface circuitry between the Reactor Protection System (RPS) and the metrascope (visual display of rod position) which was causing the power signal being sent from the RPS to the metrascope to decrease as real power increased. Review of the control wiring diagram showed that the circuit was wired in accordance with the diagram but the diagram was in error. Circuit modifications were made to comply with the original design intent, and no functions or equipment were added or deleted.

This was the second control wiring diagram error relating to the RPS, however, this error had no affect on RPS operation. The first occurrence was reported as Reportable Occurrence 335-76-7. (335-76-20).

P.O. BOX 013100, MIAMI, FLORIDA 33101



FLORIDA POWER & LIGHT COMPANY

June 11, 1976

PRN-LI-76-145

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 <u>335-76-20</u> ST. LUCIE UNIT 1 DATE OF OCCURRENCE: MAY 12, 1976

POWER DEPENDENT INSERTION LIMIT

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,

churd A. D. Schmidt

Vice President Power Resources

MAS/cpc

Attachment

cc: Jack R. Newman, Esquire Director, Office of Inspection and Enforcement (30) Director, Office of Management Information and Program Control (3)

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CONTROL BLOCK:	(PLEASE PRINT ALL REQUIRED INFORMATION)
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CATEGORY         REPORT TYPE         REPORT SOURCE         DOCKET NUMBER           010         CONT         1         1         1         0         5         0         -         0         3         3         5           7         8         57         58         59         60         61         6	EVENT DATE 0 5 1 2 7 6 0 6 1 1 7 6 8 69 74 75 80
02 During power ascension to the twenty pe	rcent plateau, it was observed
7 89 03 that the Power Dependent Insertion Limi	t was changing in the non-
7 89 04 conservative direction as power was bei	80 ng increased. Backup rod position
7 8 9 05 indication was available from the data	80 processor and, while the problem
7 8 9 06 (existed, the position of each regulating	g CEA group was periodically
7     8     9       PRME CODE       COMPONENT CODE       COMPONENT CODE       COMPONENT CODE       OPRME CODE       COMPONENT CODE       COMPONENT CODE       OPRME CODE       OPRME CODE       COMPONENT CODE       OPRME CODE       OPRME CODE       COMPONENT CODE       OPRME CODE       OPRME CODE       COMPONENT CODE       OPRME CODE       OPRME       OPRME <tr< td=""><td>COMPONENT MANUFACTURER VIOLATION C 4 9 0 N 47 48</td></tr<>	COMPONENT MANUFACTURER VIOLATION C 4 9 0 N 47 48
. OB The cause of the occurrence was an erro	r in a RPS interface circuitry
7     8       09     control wiring diagram. Corrective act	ion has been as described in the
7 8 9 10 Event Description.	· 80
7     8,9       FACLITY     STATUS       STATUS     % POWER       0     2       0     0       N/A	
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7 8 9 10 11 44 45 PERSONNEL EXPOSURES	
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PERSONNEL INJURIES	
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7 8 9 LOSS OR DAMAGE TO FACILITY	· 80
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PUBLICITY [1]7] [N/A 7 8 9	
ADDITIONAL FACTORS     18   See Page Two for continuation of Event	Description.
1 1 1 1	80
7 89 7 89	80
NAME: M. A. Schoppman	PHONE: 305/552-3779_

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REPORTABLE OCCURRENCE 335-76-20 LICENSEE EVENT REPORT PAGE TWO

#### Event Description (Continued)

verified to be within the Power Dependent Insertion Limit. A wiring error was found in the interface circuitry between the Reactor Protection System (RPS) and the metrascope (visual display of rod position) which was causing the power signal being sent from the RPS to the metrascope to decrease as real power increased. Review of the control wiring diagram showed that the circuit was wired in accordance with the diagram but the diagram was in error. Circuit modifications were made to comply with the original design intent, and no functions or equipment were added or deleted.

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