08/02/78

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

REC: OREILLY J P
NRC

ORG: SCHMIDT A D
FL PWR & LIGHT

DOCDATE: 07/07/78
DATE RCVD: 07/31/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:
FORWARDING LICENSEE EVENT REPT (RO 50-335/78-021) ON 06/08/78 CONCERNING DURING PWR ASCENSION TESTING FOLLOWING REFUELING OUTAGE, CEA #65 DROPPED FOUR TIMES DUE TO FAILURE OF ONE OR MORE OF ITS COIL PWR PROGRAMMER TIMING MODULE, INTEGRAL TIMER , OR 15 VO

COPIES RECEIVED
LTR 1 ENCL 1

PLANT NAME: ST LUCIE #1

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: DL

********** 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: 1P+1P+1P

CONTROL NBR: 782140095

A004
S

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

FLORIDA POWER & LIGHT COMPANY

July 7, 1978

PRN-LI-78-182

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 335-78-21
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: JUNE 8, 1978

TECHNICAL SPECIFICATION 3.1.3.1.e
CEA 68

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

Very truly yours,

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)

A002
S/1

NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | F L S L S 1 (2) LICENSEE CODE | 0 0 - 0 0 0 0 0 - 0 0 (3) LICENSE NUMBER | 4 1 1 1 1 (4) LICENSE TYPE | (5) CAT

CON'T 0 1 | REPORT SOURCE L (6) | 0 5 0 0 0 3 3 5 (7) DOCKET NUMBER | 0 6 0 8 7 8 (8) EVENT DATE | 0 7 0 7 7 8 (9) REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During power ascension testing following a refueling outage, CEA #68
0 3 dropped four times within an eight and one-half hour time span. After
0 4 each of the first three drops, CEA #68 was restored to its normal position
0 5 within the time limit required by the applicable Technical Specification
0 6 3.1.3.1.e action statement. After the fourth drop, CEA #68 was declared
0 7 inoperable. Several components were replaced, after which CEA #68 was
0 8 operated satisfactorily and declared operable.

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	R B (11)	E (12)	G (13)	I N S T R U (14)	P (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	7 8	—	0 2 1	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	Z (19)	B (20)	Z (21)	0 0 0 5	Y (23)	N (24)	N (25)	C 4 9 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 CEA #68 dropped due to failure of one or more of its coil power programmer
1 1 timing module, integral timer, or 15 volt power supplier. Since all three
1 2 were replaced, it is not known which was the cause of the CEA drops. CEA
1 3 #68 was restored to its normal position and has performed normally for four
1 4 weeks.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	B (28)	0 8 0 (29)	NA	A (31)	Operator Observation

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
2 0	N (44)	NA	

NAME OF PREPARER M. A. Schoppman PHONE: (305) 552-3802

Additional Event Description

The coil power programmer timing module, the integral timer, and the 15 volt power supplier for CEA #68 were replaced, after which CEA #68 operated satisfactorily. CEA #68 was aligned to its normal position and power ascension testing continued.

As a result of the reactivity insertions of the dropped CEA's, azimuthal power tilt (Tq) increased and twice exceeded the limit requiring action in accordance with Technical Specification 3.2.4. Also, the total planar radial peaking factor (F_{xy}) increased and exceeded the limit requiring action in accordance with Technical Specification 3.2.2 several times. In all of the above cases, reactor power was reduced, and both Tq and F_{xy} were returned to normal within the time limits described in their respective Specifications.