

4 08/17/78

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: 08/07/78
DATE RCVD: 08/15/78

DOCTYPE: LETTER NOTARIZED: NO COPIES RECEIVED
SUBJECT: LTR 1 ENCL 1
LICENSEE EVENT REPT 50-335/78-25 ON 07/24/78 CONCERNING AN ERROR IN THE
ANALYSIS FOR THE CASK DROP ACCIDENT WHICH MAKES THE TECH SPEC 3.9.14
NON-CONSERVATIVE.

PLANT NAME: ST LUCIE #1

REVIEWER INITIAL: XBT
DISTRIBUTOR INITIAL: M

***** 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	NRC PDR**W/ENCL
	I & E**W/2 ENCL	MIPC**W/3 ENCL
	I & C SYSTEMS BR**W/ENCL	EMERGENCY PLAN BR**W/ENCL
	NOVAK/CHECK**W/ENCL	EEB**W/ENCL
	AD FOR ENG**W/ENCL	PLANT SYSTEMS BR**W/ENCL
	HANAUER**W/ENCL	AD FOR PLANT SYSTEMS**W/ENCL
	AD FOR SYS & PROJ**W/ENCL	REACTOR SAFETY BR**W/ENCL
	ENGINEERING BR**W/ENCL	VOLLMER/BUNCH**W/ENCL
	KREGER/J. COLLINS**W/ENCL	POWER SYS BR**W/ENCL
	K SEYFRIT/IE**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: 782230377

As 460

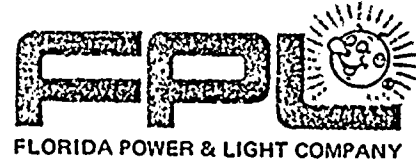
***** THE END *****



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August 7, 1978
PRN-LI 78-2198

US NRC
DISTRIBUTION SERVICES
BRANCH

AUG 15 AM 10 03

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 335-78-25
ST. LUCIE UNIT 1
DATE OF OCCURRENCE: JULY 24, 1978

CASK DROP ANALYSIS

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

Very truly yours,

JRB
for A. D. Schmidt
Vice President
Power Resources

MAS/ms

Attachment

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

782230377

A002
S/11

Additional Event Description

During power operation, the Architect/Engineer found an error in the accident analysis for the drop of a spent fuel cask into the spent fuel pool. As a result of the error, Specification 3.9.14 on spent fuel handling is non-conservative. The analysis was originally performed assuming a single pendulum, which gave a drop radius of 133 inches. The FSAR methodology, however, specifies a double pendulum, which gives a drop radius of 248 inches. This means that a dropped cask could impact more fuel elements, therefore, "fresh" spent fuel must be stored farther from the cask area and/or allowed to decay longer before the cask can be moved into the spent fuel pool. The probable consequences of the occurrence are not significant because fuel was stored in the pool for only 2 months before the error was found, and there is considerable conservatism in the dose rate analysis for the cask drop accident. This was the first occurrence involving a calculational error associated with a spent fuel system.