

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8709210325 DOC. DATE: 87/09/16 NOTARIZED: NO
 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.
 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.
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 RECIP. NAME: RECIPIENT AFFILIATION: Document Control Branch (Document Control Desk)

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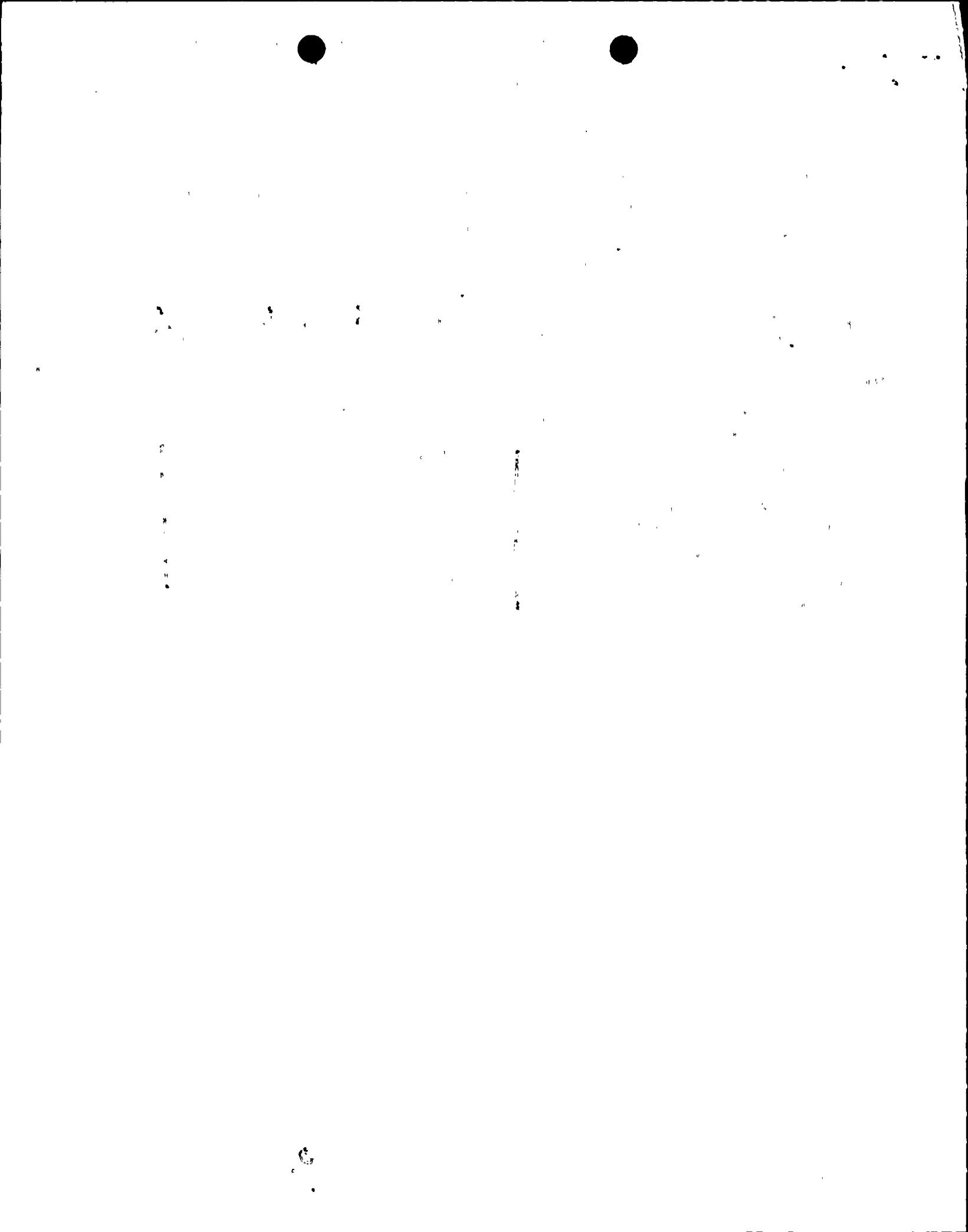
SUBJECT: Submits periodic update of SPDS/safety assessment sys, per 870317 milestone schedule. Hardware & software for upgraded sys will be installed in Nov 1987. Advantages of inoperable SPDS listed.

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SEPTEMBER 16 1987

L-87-320

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Gentlemen:

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Safety Parameter Display System/
Safety Assessment System
Periodic Update

By letter L-87-116, dated March 17, 1987 Florida Power & Light Company (FPL) provided to the staff a milestone schedule for completion of the Safety Parameter Display System/Safety Assessment System (SPDS/SAS) at St. Lucie Plant. FPL stated that the scheduled completion date for SPDS/SAS is December 31, 1987 and committed to periodically update the staff on the status of this project. The project status is discussed below.

As of September 1, 1987 the SPDS/SAS project work continues to be on schedule per the milestone schedule. EI International was awarded the contract to upgrade system functionality in March 1987. Since then, FPL has met with EI International to conduct conceptual design review meetings. The preliminary design reviews have been completed, and the detail design was completed in August 1987. Preliminary installation plans are being reviewed to assure project completion on schedule. FPL continues to project enhanced operability of the SPDS by December 31, 1987. The Critical Safety Function Monitor (CSFM) aspects of the system, which replace the Accident Identification Displays (AIDs), will be implemented by June 30, 1988.

FPL intends to install hardware and software for the upgraded system in November 1987. This hardware and software installation will be accomplished with the current SPDS system inoperable. System inoperability is required to support satisfactory integration of the upgraded software following installation. While a period of SPDS inoperability, on the surface, may not appear to be the most desirable option, it has the following advantages:

- 1) A unified integrated system will be available to the operator following this relatively short inoperable stage. This is preferred to the piece-wise installation of a system which would not have fail-over capabilities.

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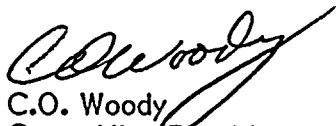
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- 2) Operator uncertainty as to which data to "believe" during an interim piece-wise installation period is avoided.
- 3) Operator training can be completed on a more reasonable schedule with direct, hands-on experience following the inoperable period.
- 4) A single period of "down-time" will allow for a more orderly implementation of the improved hardware and software.

FPL will continue to keep the staff apprised of the status of this project. If further information is required, please contact us.

Very truly yours,



C.O. Woody
Group Vice President
Nuclear Energy Department

COW/EJW/gp

cc: J. Nelson Grace, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

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The following information was obtained from the records of the
 Department of the Interior, Bureau of Land Management, on the
 subject of the land owned by the United States in the
 State of California, and more particularly in the
 County of San Diego, California, and more particularly in the
 Township of Escondido, California, and more particularly in the
 Section 1, Township 37 North, Range 12 East, San Diego Meridian, California.

The land described above is owned by the United States
 and is subject to the provisions of the Act of March 3, 1879,
 Chapter 185, entitled "An Act to provide for the disposal of
 the public lands in California."

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