

50-335

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TO: Mr DeYoung

FROM: Florida Pwr & Light Co
Miami, Fla
R E Uhrig

DATE OF DOCUMENT 4-16-76

DATE RECEIVED 4-23-76

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DESCRIPTION

Ltr w/attachments.....re our 3-15-76 ltr.....
furnishing info concerning Appendix I into
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ENCLOSURE

PLANT NAME: St Lucie #1

SAFETY

FOR ACTION/INFORMATION

ENVIRO

4-28-76

ent

ASSIGNED AD :

ASSIGNED AD :

BRANCH CHIEF :

Ziemann (5)

BRANCH CHIEF :

PROJECT MANAGER:

Silver

PROJECT MANAGER :

LIC. ASST. :

Diggs

LIC. ASST. :

INTERNAL DISTRIBUTION

REG FILE

SYSTEMS SAFETY

PLANT SYSTEMS

ENVIRO TECH

NRC PDR

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SCHROEDER

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LAINAS

SPANGLER

GOSSICK & STAFF

ENGINEERING

IPPOLITO

MIPC

MACCARY

SITE TECH

CASE

KNIGHT

OPERATING REACTORS

GAMMILL

HANAUER

SIHWEIL

STELLO

STEPP

HARLESS

PAWLICKI

HULMAN

OPERATING TECH

PROJECT MANAGEMENT

REACTOR SAFETY

EISENHUT

SITE ANALYSIS

BOYD

ROSS

SHAO

VOLMER

P. COLLINS

NOVAK

BAER

BUNCH

HOUSTON

ROSZTOCZY

SCHWENCER

J. COLLINS

PETERSON

CHECK

GRIMES

KREGER

MELTZ

HELTEMES

AT & I

SITE SAFETY & ENVIRO

Mark Ke

SKOVHOLT

SALTZMAN

ANALYSIS

J. Long

RUTBERG

DENTON & MULLER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Ft Pierce, Fla

NATL LAB PNWL

BROOKHAVEN NATL LAB

TIC

REG. V-IE

ULRIKSON(ORNL)

NSIC

LA PDR

ASLB

CONSULTANTS

ACRS/6 HOLDING/SENT

TO LA Diggs

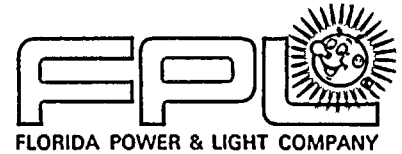
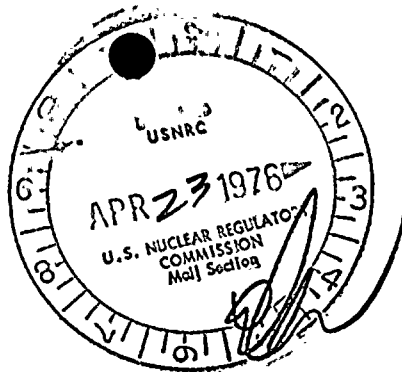
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April 16, 1976
L-76-163

Director of Nuclear Reactor Regulation
Attention: Mr. R. C. DeYoung, Assistant Director
for Light Water Reactors
Division of Project Management
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. DeYoung:

Ré: St. Lucie Unit 1
Docket No. 50-335
Appendix I Information



Your letter of March 15, 1976 requested that we forward to you our plans for meeting the requirements of paragraph 50.34a of 10 CFR Part 50. Florida Power and Light Company intends to use the following inputs to meet paragraph 50.34a requirements for St. Lucie Unit 1.

- a. Site-specific information related to agriculture and marine productivity, resident and transient populations, and recreation activities (including shoreline usage for boating, swimming, etc.).
- b. Site-specific information for meteorology is to be developed by using Dames and Moore computer codes LSD-1 through LSD-7. These data relate to the dispersion and disposition of effluents to terrestrial areas, water bodies, and the atmosphere.
- c. Source term calculations which have been developed using the design and operational characteristics of St. Lucie Unit 1.
- d. The GALE code for use in completing calculations of source term releases in St. Lucie Unit 1 liquid and gaseous effluents.
- e. As applicable, supplemental calculational models will be used to convert gaseous and liquid source term releases into individual and population doses. (Nuclear Safety Associates, 5101 River Road, Bethesda, Md. codes GASI and GASP for gases and LINDY and LIP for liquids.)

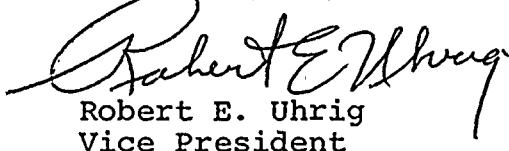
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Director of Nuclear Reactor Regulation
Attention: Mr. R. C. DeYoung, Assistant Director
Page Two
April 13, 1976

The guidelines of Regulatory Guides 1.AA, 1.BB, 1.DD, 1.EE, and 1.FF will be used as the basis for our inputs. Cost-benefit data (per Regulatory Guide 1.FF) will be developed as we document our compliance with Appendix I requirements. Our compliance documents will cite the basis for our calculations and conclusions.

An outline of our accomplishments to date and our future plans for meeting paragraph 50.34a is attached.

Very truly yours,



Robert E. Uhrig
Vice President

REU/MAS/cpc

Attachment

cc: Jack R. Newman, Esquire

ST. LUCIE UNIT 1
SCHEDULE FOR MEETING THE REQUIREMENTS
OF 10 CFR 50.34a

1. Accomplishments to Date:

a. Data gathering is complete for

- 1) development of source terms
- 2) radiological assessment of liquid and gaseous effluents
- 3) individual and population dose calculations based on
 - a) food pathways
 - b) demography
 - c) atmospheric dispersion
- 4) cost-benefit analysis

b. Calculations

- 1) source term and radiological assessment calculations are complete
- 2) dose calculations are 90% complete

2. Future Plans:

- a. Technical Specification changes will be prepared pending receipt of additional guidance now being developed by the NRC
- b. May 1, 1976 - Complete dose calculations and cost-benefit analysis
- c. May 14, 1976 - Complete draft compliance report and submit for FPL management review
- d. June 4, 1976 - Submit final compliance report to the NRC

