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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/attcnments.....re our 3-15-76 ltr.....  
furnishing info concernng 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 :	
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INTERNAL DISTRIBUTION

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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	VOLLMER
P. COLLINS	NOVAK	BAER	BUNCH
HOUSTON	ROSZTOCZY	SCHWENCER	J. COLLINS
PETERSON	CHECK	GRIMES	KREGER
MELTZ			Markee
HELTEMES	AT & I	SITE SAFETY & ENVIRO	J. Long
SKOVHOLT	SALTZMAN	ANALYSIS	
	RUTBERG	DENTON & MULLER	

EXTERNAL DISTRIBUTION

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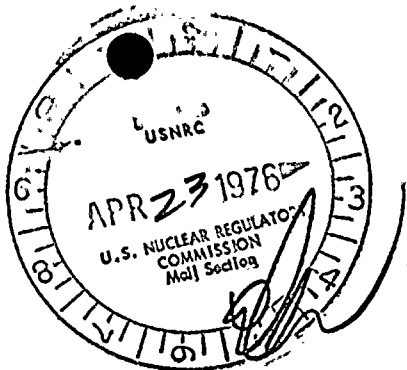
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April 16, 1976  
L-76-163

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.)

4037

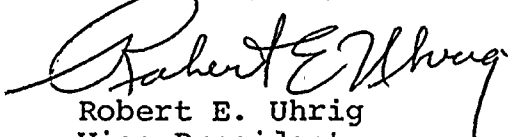


Director of Nuclear Reactor Regulation  
Attention: Mr. R. C. DeYoung, Assistant Director  
Page Two  
April 13, 1976

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,

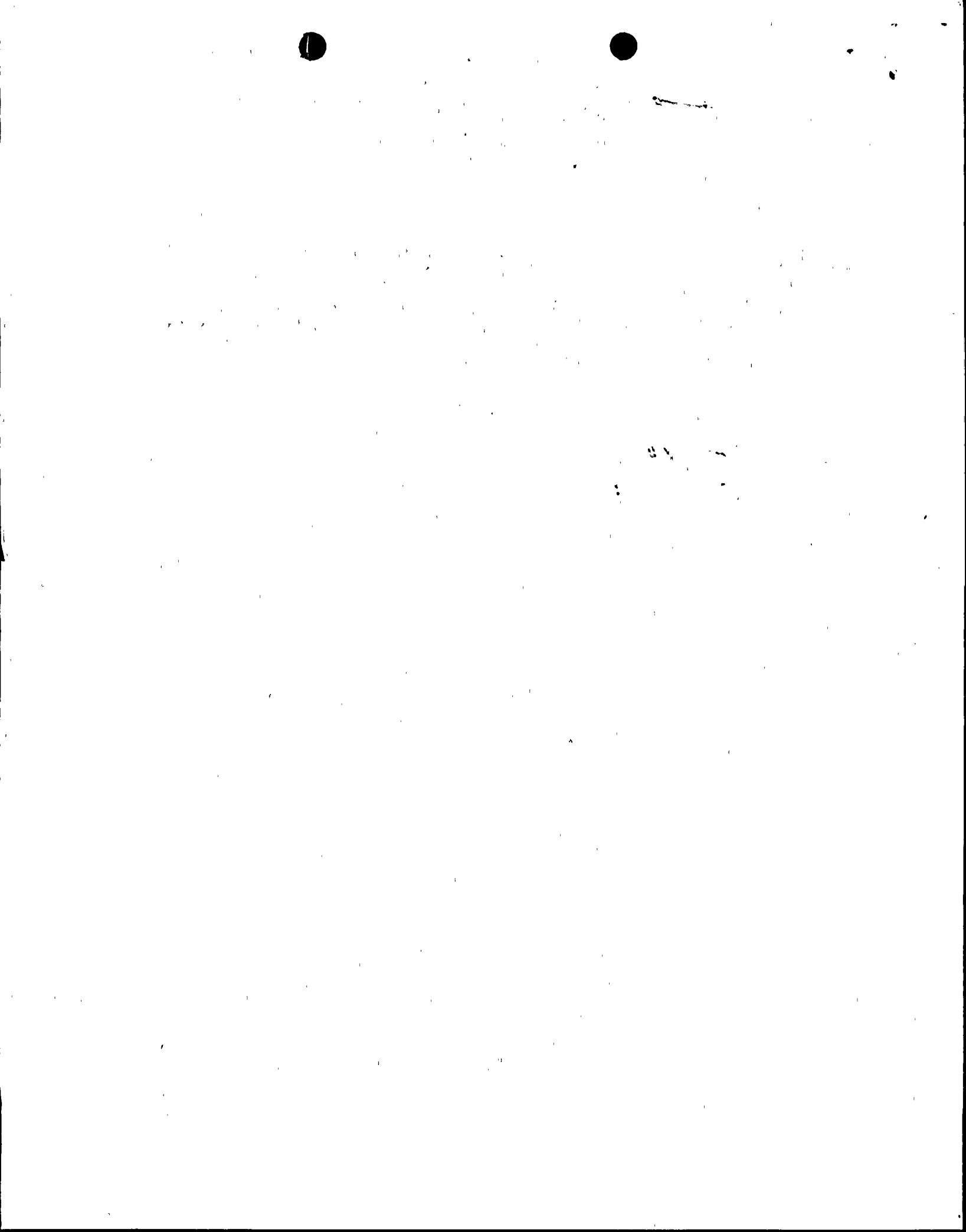


Robert E. Uhrig  
Vice President

REU/MAS/cpc

Attachment

cc: Jack R. Newman, Esquire



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

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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

