NRC FORM 195 (2-76)

U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER 50-335

FILE NUMBER

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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/attchments.....re our 3-15-76 ltr..... furnishing info concerning Appendix I info .....

ENCLOSURE

PLANT NAME: St Lucie #1

FOR ACTION/INFORMATION ENVIRO 4-28-76 ent

SAFETY		ENVIRO	
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		HEINEMAN		TEDESCO		ERNST
	I & E		SCHROEDER		BENAROYA	✓	BALLARD
✓	OELD				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	✓	VOLLMER
	P. COLLINS		NOVAK		BAER		BUNCH
	HOUSTON		ROSZTOCZY		SCHWENCER	✓	J. COLLINS
	PETERSON		CHECK	✓	GRIMES	✓	KREGER
	MELTZ					✓	MacKee
	HELTEMES		AT & I		SITE SAFETY & ENVIRO	✓	J. Long
	SKOVHOLT		SALTZMAN		ANALYSIS		
			RUTBERG	✓	DENTON & MULLER		

EXTERNAL DISTRIBUTION

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✓	TIC		REG. V-IE		ULRIKSON(ORNL)
✓	NSIC		LA PDR		
	ASLB		CONSULTANTS		
✓	ACRS 16 ~~HOLDING~~/SENT		TO LA Diggs		

CONTROL NUMBER

4037

NRC FORM 195 (2-76)

P. O. BOX 013100, MIAMI, FLORIDA 33101

FLORIDA POWER & LIGHT COMPANY

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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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