

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8303240459      DOC. DATE: 83/03/18      NOTARIZED: NO      DOCKET #  
 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
 AUTH. NAME: UHRIG, R. E.      AUTHOR AFFILIATION: Florida Power & Light Co.  
 RECIP. NAME: EISENHUT, D. G.      RECIPIENT AFFILIATION: Division of Licensing

SUBJECT: Responds to 10CFR50.49, "Environ Qualification of Electric Equipment Important to Safety for Nuclear Power Plants." Facility environ qualification program meets NUREG-0588 requirements & complies w/10CFR50.49.

DISTRIBUTION CODE: A048S      COPIES RECEIVED: LTR 1 ENCL 1      SIZE: 3  
 TITLE: OR/Licensing Submittal: Equipment Qualification

NOTES:

	RECIPIENT ID CODE/NAME		COPIES		RECIPIENT ID CODE/NAME		COPIES	
			LTR	ENCL			LTR	ENCL
	LIC BR #3 BC 12		1	0	NERSES, V.	01	1	1
INTERNAL:	ELD/HDS2	12	1	1	GC	13	1	1
	IE FILE	09	1	1	NRR CALVO, J		1	1
	NRR/DE/EQB	07	2	2	NRR/DL DIR	14	1	1
	NRR/DL/ORAB	06	1	1	NRR/DSI/AEB		1	1
	<u>REG FILE</u>	04	1	1	RGN2		1	1
EXTERNAL:	ACRS	15	8	8	LPDR	03	1	1
	NRC PDR	02	1	1	NSIC	05	1	1
	NTIS	31	1	1				

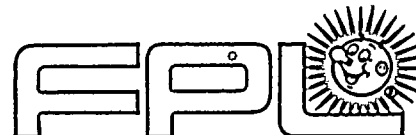
1924

UNITED STATES DEPARTMENT OF AGRICULTURE  
BUREAU OF PLANT INDUSTRY  
WASHINGTON, D. C.

PLANT INDUSTRY

PLANT INDUSTRY

PLANT INDUSTRY	PLANT INDUSTRY	PLANT INDUSTRY	PLANT INDUSTRY	PLANT INDUSTRY	PLANT INDUSTRY	PLANT INDUSTRY
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1



FLORIDA POWER &amp; LIGHT COMPANY

March 18, 1983

L-83-152

Office of Nuclear Reactor Regulation  
 Attention: Mr. Darrell G. Eisenhut, Director  
 Division of Licensing  
 U. S. Nuclear Regulatory Commission  
 Washington, D.C. 20555

Dear Mr. Eisenhut:

Re: ST. LUCIE UNIT 2  
 DOCKET NO. 50-389  
 ENVIRONMENTAL QUALIFICATION PROGRAM  
NEW RULE 10 CFR 50.49

In response to 10 CFR 50.49, "Environmental Qualification of Electric Equipment Important to Safety for Nuclear Power Plants", the Florida Power and Light Company is providing the following information for St. Lucie Unit 2.

The Environmental Qualification Program implemented on St. Lucie Unit 2 was developed to meet the requirements of NUREG 0588 guidelines and complies with the requirements of the newly issued 10 CFR 50.49. For clarity, paragraph references corresponding to those identifying sections of the new rule preface our responses.

- a) St. Lucie Unit 2 is in compliance with Section A of the new rule. An EQ (Environmental Qualification) program is established on St. Lucie Unit 2 as outlined in the EQ Report & Guidebook.
- b) The scope of the program implemented on St. Lucie Unit 2 is consistent with the requirements of 10 CFR 50.49. The details of the program scope are outlined in the EQ Report & Guidebook.
  - 1) Safety-related equipment as designated and defined in this paragraph is included in the St. Lucie Unit 2 program.
  - 2) The Environmental Qualification Program for St. Lucie Unit 2 considers the effects of nonsafety-related electrical equipment whose failure could prevent satisfactory accomplishment of safety functions. The St. Lucie Unit 2 electrical systems have provisions (i.e., isolation devices, segregated raceways, etc.) that preclude any detrimental effects on safety-related systems following a failure of a nonsafety-related component. Details of the electrical design criteria are provided in Sections 7 and 8 of the FSAR.

8303240459 830318  
 PDR ADDCK 05000389  
 A PDR

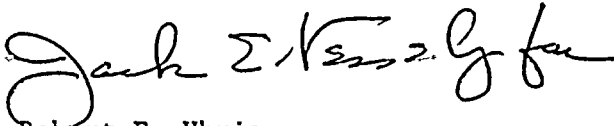
A048

- 3) The St. Lucie Unit 2 EQ program includes qualification of installed post accident monitoring equipment (RG 1.97 Cat 1 and Cat 2). Based on our review of all RG 1.97 equipment within the scope of this new rule, we have identified one Category 2 nonsafety-related variable (Safety Injection Tank 2A1, 2A2, 2B1 and 2B2 level and pressure indicators/H-L Alarms) as requiring further review and evaluation for applicability to this rule.
- c) (i), (ii) and (iii). The SL-2 EQ program is consistent with the scope and definitions cited within these rule paragraphs.
- d) The list of equipment identified within this section of the new rule will be issued prior to May 20, 1983.
- (1), (2) and (3). The SL-2 EQ Report & Guide identifies the equipment environmental characteristics. Equipment electrical characteristics are detailed in drawings and specifications. All information is maintained on file.
- e) (1), (2), (3), (4), (5), (6), (7) and (8). The SL-2 EQ program addresses all the environmental parameters cited with these sections of the rule.
- f) (1), (2), (3) and (4). St. Lucie Unit 2 is consistent with this section of the rule. The SL-2 EQ program based qualification on type testing data and field experience in conjunction with analysis.
- g) (h) Not Applicable; SL-2 does not have OL as of this date.
- i) (1), (2), (3), (4) and (5). In addition to the SL-2 Report & Guidebook, Florida Power and Light has submitted to the NRC Justifications for Interim Operation (JIO) consistent with the methodology of these new rule paragraphs.
- j) (1) and (2). Consistent with the requirements of this new rule paragraph, all required qualification documentation is maintained on file.
- k) The SL-2 equipment qualification program was performed in accordance with the requirements of NUREG 0588; no further requalification is considered necessary. Remaining qualification to be performed is outlined in the Justifications for Interim Operation.
- l) Complying with the guidance present in this rule, Florida Power and Light intends to provide replacement equipment to the level of qualification required by the new rule.

In conclusion, Florida Power and Light believes the St. Lucie Unit 2 Environmental Qualification Program meets not only the requirements of NUREG-0588 but, is in full compliance with the requirements of the new rule, .49, to 10 CFR 50.

Should you have any questions regarding this matter please contact us accordingly.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert E. Uhrig".

Robert E. Uhrig  
Vice President  
Advanced Systems and Technology

REU/RJS/PPC/rms

Enclosure

cc: J. P. O'Reilly, Region II (w/o encl)  
Harold F. Reis, Esquire (w/o encl)