March 15, 1985

DCR 6/6

Docket No. 50-389

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Mr. J. W. Williams, Jr.
Vice President
Nuclear Energy Department
Florida Power & Light Company
P. O. Box 14000
Juno Beach, Florida 33408

Dear Mr. Williams:

The Commission has issued the enclosed Amendment No.10 to Facility Operating License No. NPF-16 for the St. Lucie Plant, Unit No. 2. This amendment consists of changes to the Technical Specifications in response to your letters of September 28 as superseded October 19, 1984.

This amendment revises the technical specifications to change the valve tag numbers in Tables 3.6-1 and 3.6-2 for one valve in the continuous containment purge system and two valves in the station air system. Upon completion of the modification to the station air system you are requested to notify the NRC and should initiate action to revise the pages of Tables 3.6-1 and 3.6-2 to incorporate the new valve tag numbers and delete the associated footnotes.

A copy of the related Safety Evaluation is also enclosed. The notice of issuance will be included in the Commission's next monthly Federal Register notice.

Sincerely,

/S/

Donald E. Sells, Project Manager
Operating Reactors Branch #3
Division of Licensing

Enclosures:
1. Amendment No.10 to NPF-16
2. Safety Evaluation

cc w/enclosures:
See next page

ORB#3:DL	ORB#3:DL	ORB#3:DL	OELD	AD:OR:DL
PMKreutzer	DSells	JRMiller	W.D.Butler	GCLainas
3/7/85	3/7/85	3/7/85	3/11/85	3/14/85

signed 3/14

St. Lucie 1&2

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

FLORIDA POWER & LIGHT COMPANY

ORLANDO UTILITIES COMMISSION OF

THE CITY OF ORLANDO, FLORIDA

AND

FLORIDA MUNICIPAL POWER AGENCY

DOCKET NO. 50-389

ST. LUCIE PLANT UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 10
License No. NPF-16

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Florida Power & Light Company, et al., (the licensee) dated September 28 as superseded October 19, 1984 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;

   C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;

   D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and

   E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, Facility Operating License No. NPF-16 is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and by amending paragraph 2.C.2 to read as follows:

   2. Technical Specifications

      The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 10 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

James R. Miller, Chief
Operating Reactors Branch #3
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 15, 1985

ATTACHMENT TO LICENSE AMENDMENT NO.10

TO FACILITY OPERATING LICENSE NO. NPF-16

DOCKET NO. 50-389

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

Remove Pages	Insert Pages
3/4 6-5	3/4 6-5
3/4 6-7	3/4 6-7
3/4 6-22	3/4 6-22
3/4 6-23	3/4 6-23

TABLE 3.6-1

CONTAINMENT LEAKAGE PATHS

Penetration	System	Valve Tag Number/Type	Location to Containment	Service	Test Type*
7	Makeup Water	I-HCV-15-1 Globe I-V-15-328 Check	Outside Inside	Primary Makeup Water	BYPASS/ TYPE C
8	Station Air	I-V-18-794 Globe I-V-18-796 Globe** I-V-18-797 Globe I-HCV-18-2 Globe***	Outside Inside Annulus Outside	Station Air Supply	BYPASS/ TYPE C
9	Instrument Air	I-HCV-18-1 Globe I-V-18-195 Check	Outside Inside	Instrument Air Supply	BYPASS/ TYPE C
10	Containment Purge	I-FCV-25-5 B'FLY I-FCV-25-4 B'FLY	Annulus Inside	Containment Purge Exhaust	TYPE C
11	Containment Purge	I-FCV-25-2 B'FLY I-FCV-25-3 B'FLY	Annulus Inside	Containment Purge Supply	TYPE C
14	Waste Management	V-6741 Globe V-6792 Check	Outside Inside	N_2 Supply to Safety Inj. Tanks	BYPASS/ TYPE C
23	Component Cooling	I-HCV-14-7 B'FLY I-HCV-14-1 B'FLY	Outside Inside	RC Pump Cooling Water Supply	BYPASS/ TYPE C
24	Component Cooling	I-HCV-14-6 B'FLY I-HCV-14-2 B'FLY	Outside Inside	RC Pump Cooling Water Return	BYPASS/ TYPE C
25	Fuel Transfer Tube	Double Gasket Flange	Inside	Fuel Transfer	BYPASS/ TYPE C
26	CVCS	I-V-2516 Globe I-V-2522 Globe	Inside Outside	Letdown Line	BYPASS/ TYPE C

** To become I-V-18-1270 Check upon completion of the modification described in L-84-266.
*** To be added upon completion of the modification described in L-84-266.

TABLE 3.6-1 (Continued)

CONTAINMENT LEAKAGE PATHS

Penetration	System	Valve Tag Number/Type	Location to Containment	Service	Test Type*
28A	Sampling	ISE-05-1A,1B,1C,1D Globe ISE-05-1E Globe	Inside Outside	Safety/Injection Tank Sample	BYPASS TYPE C
28B	Sampling	I-V-5200 Globe I-V-5203 Globe	Inside Outside	RCS Hot Leg Sample	BYPASS TYPE C
29A	Sampling	I-V-5204 Globe I-V-5201 Globe	Outside Inside	Pressure Surge Sample	BYPASS TYPE C
29B	Sampling	I-V-5205 Globe I-V-5202 Globe	Outside Inside	Pressure Steam Sample	BYPASS TYPE C
31	Waste Management	I-V-6718 Diaph I-V-6750 Diaph	Inside Outside	Containment Vent Header	BYPASS TYPE C
41	Safety Injection	I-SE-03-2A,2B Globe I-V-3463 Gate	Inside Outside	Safety Injection Tank Fill/Drain and Sampling	BYPASS TYPE C
42	Waste Management	I-LCV-07-11A Globe I-LCV-07-11B Globe	Inside Outside	Reactor Cavity Sump Pump Discharge	BYPASS TYPE C
43	Waste Management	I-V-6341 Diaph I-V-6342 Diaph	Inside Outside	Reactor Drain Tank Pump Suction	BYPASS TYPE C
44	CVCS	I-V-2524 Globe I-V-2505 Globe	Inside Outside	Reactor Coolant Pump Controlled Bleedoff	BYPASS TYPE C
46	Fuel Pool	I-V-07-206 Gate I-V-07-189 Gate	Outside Inside	Fuel Pool Cleanup (inlet)	BYPASS TYPE C
47	Fuel Pool	I-V-07-170 Gate I-V-07-188 Gate	Outside Inside	Fuel Pool Cleanup (outlet)	BYPASS TYPE C

TABLE 3.6-1 (Continued)

CONTAINMENT LEAKAGE PATHS

Penetration	System	Valve Tag Number/Type	Location to Containment	Service	Test Type*
48A	Sampling	I-FSE-27-8,9,10-11 Globe I-FSE-27-15 Globe	Inside Outside	H_2 Sampling Outlet	TYPE C
48B	Sampling	I-V-27-101 Check I-FSE-27-16 Globe	Inside Outside	H_2 Sampling Inlet	TYPE C
51A	Sampling	I-FSE-27-12,13,14 Globe I-FSE-27-18 Globe	Inside Outside	H_2 Sampling Outlet	TYPE C
51B	Sampling	I-V-27-102 Check I-FSE-27-17 Globe	Inside Outside	H_2 Sampling Inlet	TYPE C
52A	Sampling	I-FCV-26-1 Globe I-FCV-26-2 Globe	Inside Outside	Containment Radiation Monitoring	BYPASS TYPE C
52B	Sampling	I-FCV-26-3 Globe I-FCV-26-4 Globe	Inside Outside	Containment Radiation Monitoring	BYPASS TYPE C
52C	Sampling	I-FCV-26-5 Globe I-FCV-26-6 Globe	Inside Outside	Containment Radiation Monitoring	BYPASS TYPE C
52D	ILRT	I-V-00-140 Globe I-V-00-143 Globe	Inside Outside	ILRT	BYPASS TYPE C
52E	ILRT	I-V-00-139 Globe I-V-00-144 Globe	Inside Outside	ILRT ILRT	BYPASS TYPE C
54	ILRT	I-V-00-101 Gate Blind Flange	Outside Inside	ILRT	BYPASS/ TYPE C
56	Containment H_2 Purge	I-FCV-25-26 B'FLY I-FCV-25-36 B'FLY	Outside Inside	Cont. Containment H_2 Purge Makeup Inlet	BYPASS/ TYPE C

TABLE 3.6-1 (Continued)

CONTAINMENT LEAKAGE PATHS

Penetration	System	Valve Tag Number/Type	Location to Containment	Service	Test Type*
57	Containment H_2 Purge	I-V-FCV-25-20 B'FLY I-FCV-25-21 B'FLY	Inside Outside	Cont. Containment Purge - Exhaust	BYPASS/ TYPE C
67	Vacuum Relief	I-V-25-20 Check I-FCV-25-7 B'FLY	Inside Outside	Containment Vacuum Relief	TYPE C
68	Vacuum Relief	I-V-25-21 Check I-FCV-25-8 B'FLY	Inside Outside	Containment Vacuum Relief	TYPE C
Personnel Lock	NA	None	NA	Ingress and Egress To Containment	TYPE B
Escape Lock	NA	None	NA	Emergency Ingress and Egress to Containment	TYPE B
Maintenance Hatch	NA	None	NA	Vessel Maintenance	TYPE B
Electrical Penetrations	NA	All Primary Canisters except welded spares	NA		TYPE B
1	Main Steam Steel Containment Nozzle	Tap 1 Tap 2	Outside Outside	Expansion Bellows	TYPE B
2	Main Steam Steel Containment Nozzles	Tap 1 Tap 2	Outside Outside	Expansion Bellows	TYPE B
3	Feedwater Steel Containment Nozzles	Tap 1 Tap 2	Outside Outside	Expansion Bellows	TYPE B
4	Feedwater Steel Containment Nozzles	Tap 1 Tap 2	Outside Outside	Expansion Bellows	TYPE B
25	Fuel Tube Steel Containment Nozzles	Tap 1	Inside	Expansion Bellows	TYPE B
50	Temporary Services	Blind Flange Blind Flange	Outside Inside	Construction/Outage Use	TYPE B

*Type C and bypass tests are conducted in the same manner, the only difference is in the acceptance criteria that is applicable.

TABLE 3.6-2

CONTAINMENT ISOLATION VALVES

Valve Tag Number	Penetration Number	Function	Testable During Plant Operation	Maximum Isolation Time (Sec)
A) Containment Isolation				
I-HCV-15-1	7	Primary Makeup Water (CIS)	Yes	5
I-HCV-18-1	9	Instrument Air Supply (CIS)	No	5
I-FCV-25-5,4	10	Containment Purge Exhaust (CIS)	No	3
I-FCV-25-2,3	11	Containment Purge Makeup (CIS)	No	3
V-6741	14	Nitrogen Supply to Safety Injection Tanks (CIS)	Yes	5
I-HCV-14-7 I-HCV-14-1	23	Reactor Coolant Pump Cooling Water Supply (SIAS)	No	5
I-HCV-14-6 I-HCV-14-2	24	Reactor Coolant Pump Cooling Water Return (SIAS)	No	5
I-HCV-2516 I-HCV-2522	26	Letdown Line (CIS)	No	5
I-SE-05-1A,1B, 1C,1D,1E	28A	Safety Injection Tank Sample	Yes	5
I-V-5200 I-V-5203	28B	Reactor Coolant System Hot Leg Sample (CIS)	Yes	5
I-V-5204 I-V-5201	29A	Pressurizer Surge Sample (CIS)	Yes	5
I-V-5205 I-V-5202	29B	Pressurizer Steam Sample (CIS)	Yes	5

TABLE 3.6-2 (Continued)

CONTAINMENT ISOLATION VALVES

Valve Tag Number	Penetration Number	Function	Testable During Plant Operation	Maximum Isolation Time (Sec)
I-V-6718 I-V-6750	31	Containment Vent Header (CIS)	Yes	5
I-SE-03-2A,2B	41	Safety Injection Tank Test Line (CIS/SIAS)	Yes	5
I-LCV-07-11A I-LCV-07-11B	42	Reactor Cavity Sump Pump Discharge (CIS/SIAS)	Yes	5
I-V-6341 I-V-6342	43	RCDT Pump Suction (CIS)	Yes	5
I-V-2524 I-V-2505	44	RCP Controlled Bleed-off (CIS)	No	5
I-FCV-26-1 I-FCV-26-2	52A	Containment Radiation Monitoring (CIS)	Yes	10
I-FCV-26-3 I-FCV-26-4	52B	Containment Radiation Monitoring (CIS)	Yes	10
I-FCV-26-5 I-FCV-26-6	52C	Containment Radiation Monitoring (CIS)	Yes	10
I-FCV-25-26 I-FCV-25-36	56	Cont. Containment/H_2 Purge Makeup Inlet (CIS)	Yes	3
I-FCV-25-20 I-FCV-25-21	57	Cont. Containment/H_2 Purge Exhaust (CIS)	Yes	3

TABLE 3.6-2 (Continued)

CONTAINMENT ISOLATION VALVES

Valve Tag Number	Penetration Number	Function	Testable During Plant Operation	Maximum Isolation Time (Sec)
B) Manual CR Remote Manual				
I-V-18-794* I-V-18-796** I-V-18-797	8	Station Air Supply (Manual)	Yes	NA
I-V-3463	41	Safety Injection Tank Test Line (Manual)	Yes	NA
I-V-07-206 I-V-07-189	46	Fuel Pool Cleanup (Inlet) (Manual)	Yes	NA
I-V-07-170 I-V-07-188	47	Fuel Pool Cleanup (Outlet) (Manual)	Yes	NA
I-FSE-27-8,9,10, 11,15,16	48	H_2 Sampling (Remote Manual)	Yes	NA
I-FSE-27-12,13,14, 17,18	51	H_2 Sampling (Remote Manual)	Yes	NA
I-V-00-140 I-V-00-143	52D	ILRT (Manual)	Yes	NA
I-V-00-139 I-V-00-144	52E	ILRT (Manual)	Yes	NA
I-V-00-101	54	ILRT (Manual)	Yes	NA

* To become I-HCV-18-2 upon completion of the modification described in L-84-266.
**To become I-V-18-1270 upon completion of the modification described in L-84-266.

CONTAINMENT SYSTEMS

3/4.6.4 COMBUSTIBLE GAS CONTROL

HYDROGEN ANALYZERS

LIMITING CONDITION FOR OPERATION

3.6.4.1 Two independent containment hydrogen analyzers shall be OPERABLE.

APPLICABILITY: MODES 1 and 2.

ACTION:

With one hydrogen analyzer inoperable, restore the inoperable analyzer to OPERABLE status within 30 days or be in at least HOT STANDBY within the next 6 hours.

SURVEILLANCE REQUIREMENTS

4.6.4.1 Each hydrogen analyzer shall be demonstrated OPERABLE by the performance of a CHANNEL FUNCTIONAL TEST at least once per 31 days, and at least once per 92 days on a STAGGERED TEST BASIS by performing a CHANNEL CALIBRATION using sample gases containing:

a. One volume percent hydrogen, balance nitrogen and oxygen.

b. Four volume percent hydrogen, balance nitrogen and oxygen.

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 10

TO FACILITY OPERATING LICENSE NO. NPF-16

FLORIDA POWER & LIGHT COMPANY, ET AL.

ST. LUCIE PLANT, UNIT NO. 2

DOCKET NO. 50-389

INTRODUCTION

The licensee submitted letters on September 28 and October 19, 1984 to amend the technical specifications to change the nomenclature (tag numbers) of valves in the continuous containment purge system and the station air system.

EVALUATION

The change in nomenclature in Tables 3.6-1 and 3.6-2 is necessary because the currently listed valves are being replaced and will be given new/different tag numbers.

In the case of the continuous containment purge system, License Condition 2.C.8 required that a better valve be installed during the first refueling outage. A check valve was replaced with a butterfly valve and this is acceptable to the staff. The licensee has also chosen to replace two isolation valves in the station air system and needs to change the tag numbers in the same two tables. The replacement valves are better than those currently in the station air system and are acceptable.

Based on the above evaluation, the staff concludes that the licensee's proposed changes to the Technical Specifications are acceptable.

ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously published a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR §51.22(c)(9). Pursuant to 10 CFR §51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: March 15, 1985

Principal Contributor:
D. Sells