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FACIL:50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335
AUTH.NAME AUTHOR AFFILIATION
UHRIG,R.E. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards Amend 1 to updated FSAR,reflectin plant changes during 820123-830122.List of plant changes/mods per 10CFR50.59 encl.

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FLORIDA POWER & LIGHT COMPANY

July 22, 1983

L-83-426

Dr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Dr. Denton:

Re: St. Lucie Unit 1
Docket No. 50-335
Final Safety Analysis Report Update

Florida Power & Light has completed an update of the St. Lucie Unit 1 Final Safety Analysis Report (FSAR) in accordance with 10 CFR 50.71 (e). The required thirteen copies of the updated Report are provided herewith. The updated pages have the changes noted by a revision bar on the right-hand side and the notation of Amendment 1, July 1983.

The updated FSAR reflects changes to the plant to the same level of detail as the original FSAR for the period of January 23, 1982 to January 22, 1983. In addition, we have also attached a list of Plant Changes/Modifications (PCMs) which were made under the provisions of 10 CFR 50.59, during the same period.

Very truly yours,

Robert E. Uhrig

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/JEM/js

Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire

A053
1/13

Attachment

Re: St. Lucie Unit 2
Docket No. 50-335
FSAR Update

Plant Changes/Modifications made in accordance with 10 CFR 50.59.

The Plant Changes/Modifications (PCMs) identified on the attached list were made in accordance with 10 CFR 50.59. These changes were determined not to involve an unreviewed safety question in that they do not increase the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety previously evaluated in the safety analysis report, they do not create the possibility for an accident or malfunction of a different type than any evaluated previously in the safety analysis report, and they do not reduce the margin of safety as defined in the basis for any technical specification. Although some of these changes have previously been reported, we consider that this report satisfies the annual reporting requirements in 10 CFR 50.59 for the period January 23, 1982 through January 22, 1983.

Written safety evaluations were made for these changes, and they are available on-site for review.

PC/M No.	Date Completed	Title
6-76	12/12/82	Charging Pump Discharge Recirc. to CVCS Tank Bypass
28-76	9/9/82	Record and Alarm Δt Across Condenser
95-76	5/30/82	Install Permanent Basin Recirculation Line
144-76	2/28/82	Revise Condensate Pumps Recirculation Control
152-76	12/15/82	Provide LTG in Turbine Generator Enclosures
180-76	3/14/82	Install Neutral Grounding Resistors and Transformers on D. G.
267-77	5/30/82	Chaging Pump Lube Water System Modification
288-77	5/30/82	Freeze Protection for Instrumentation
331-77	5/31/82	Turbine Exhaust Hood Temp. Trip
345-78	12/11/82	Gas Decay Tank Isolation for Maintenance
356-78	11/17/82	Add Exhaust Temperature Monitoring for Diesel Generators
392-78	5/30/82	Sewage Treatment Facility
434-78	12/12/82	Main Guard Station, Control Room C as Upgraded
435-78	12/15/82	Defensive Positions Location
440-78	9/9/82	Fence Relocation and Gate Modifications
448-78	12/16/82	Redesign CCTV System
495-78	4/7/82	Add 10K Ohm Variable Resistor to Line Supervision Module
504-78	12/11/82	Audio Hailer System-Security
511-78	12/16/82	Hardening of CST/AFWP Areas
529-79	5/31/82	Harden Craft Access
530-79	12/14/82	Compensatory Hardening of Control Room Doors 74 & 56
539-79	6/2/82	Fire Pump Test Line
546-79	2/1/82	Turbine Emergency Bearing Oil Pump
552-79	5/7/82	ICW (TCW) Piping Repair
554-79	5/31/82	Caustic Bypass Line
561-79	5/25/82	Feedwater Reg. Valve Oscillations
563-79	9/10/82	Service Building Addition
566-79	12/12/82	Velan Valve Restraint Modifications (Response to NRC I&E Bulletin 79-04)
570-79	9/3/82	Rework Security System Resulting from PC/M 371-78 Door Mods.
584-79	6/2/82	Switchyard Ductbank Repair
589-79	2/13/82	NAOH Test Flush Valves
596-79	3/14/82	79-14 Restraint Mod. #1 Safety Injection System Restraint Modifications
599-79	4/6/79	79-14 Restraint Mod. #2 PORV (Pressurizer) and 1A2 Sit Discharge Line Restraint Modifications
604-79	5/12/82	Reactor Cavity Ladders

PC/M No.	Date Completed	Title
606-79	5/31/82	Control Room Fire Door
608-79	4/7/82	CCW Radiation Monitor Installation (See PC/M 316-77)
612-79	4/6/82	79-14 Restraint Mod. #3 Safety Injection Hanger Modification
613-79	5/7/82	79-14 Restraint Mod. #4 Safety Injection and Containment Spray System Hanger Modifications
614-79	4/6/82	79-14 Restraint Mod. #5 Spent Fuel System Hanger Modifications
617-79	4/6/82	79-14 Restraint Mod. #6 Restraint Additions to Refueling Cavity Purification System
620-79	5/30/82	Reactor Building Telescoping J1B Crane
621-79	5/30/82	RTG Board Fire Detector
629-79	5/31/82	Restraint Mod. to Charging Pump Suction and Extraction Steam Lines
635-79	6/2/82	Fire Protection for HPSI, LPSI, and CS Pump Areas
637-79	6/16/82	480V Bus Undervoltage Relays
640-79	5/31/82	Drumming Station Fire Door
642-79	2/1/82	RCS Drain Hose Storage Brackets
2-80	6/2/82	D/G Fire Door
3-80	5/30/82	Laundry Corridor Fire Door
10-80	12/13/82	Feedwater Heater Replacement/Retubing
15-80	6/2/82	D/G Turbocharger Monorail
17-80	5/30/82	Fuel Pool Cooling Pumps Monorail
31-80	3/14/82	FCV 12-1 Modifications
32-80	2/28/82	79-14 Restraint Mod. #9 (CH-111 & CC-22-2a)
40-80	4/6/82	79-14 Restraint Mod. #10 (CC-28-5)
41-80	2/28/82	Condenser Hotwell Access Hatches
42-80	2/28/82	Install Waterbox Air Movers
43-80	2/22/82	79-14 Restraint Mod. #11 9 Restraint Involved
48-80	4/16/82	Containment Tool Room
52-80	4/17/82	C.T Changeout in Switch 1 A2-2
55-80	4/15/82	Gen. Stator Winding Temp. Monitor
56-80	12/15/82	Reactor Coolant Gas Vent System
60-80	4/15/82	Relocation of Sample Coolers
67-80	5/30/80	Pressurizer Piping within the Pressurizer Cubicle
76-80	2/28/82	R.C.B. Press/Leval Monitoring
77-80	5/30/82	RCS Subcooling Monitor - Long Tenn
86-80	2/28/82	79-14 Mod. #19 RCB Sump Pump Discharge Piping
92-80	5/29/82	Restraint Mod. I.S.I., NRC Audit SI-676-2475 & 2475A.

PC/M No.	Date Completed	Title
96-80	2/28/82	Scaffolding Storage Area in RLB
99-80	9/13/82	D/G Rooms Fire Protection System
113-80	9/1/82	Cold Chem Lab. - Structural
115-80	7/28/82	Gasoline Service Facility
117-80	4/6/82	SIT Level Transmitter Replacement
135-80	9/17/82	Technical Support Center
138-80	3/22/82	Generator Core Monitor St. Lucie ©1
140-80	9/8/82	TSC Appendix I Computer
142-80	10/20/82	TMI Shielding-Valve Operator Addition and High Level (TMI) Liquid Waste Return to RCB
148-80	4/14/82	Noble Gas Monitors
149-80	2/3/82	RCP Seal Carriage Interference Necessitating
151-80	5/7/82	Transfer Canal Gate Mod.
153-80	3/30/83	CTS Redandant Level
154-81	2/28/83	Audible Flux Indication
158-80	4/16/82	TMI Shield-Whip Restraint and Pipe Restraint Mods.
165-80	4/15/82	AFW System Auto Start Upgrade
169-80	2/28/82	Install Control Room Auxiliary Console
171-80	5/7/82	Heater Drain Pump 1B LCV Modification
9-81	4/16/82	Structural Support for Masonary Walls Mod. I
11-81	5/7/82	Structural Support for Masonary Walls Mod. II
17-81	12/10/82	Pressurizer Press. Recorders
25-81	9/2/82	D/G Turbocharger Modification
27-81	12/11/82	Condensate Polisher Phase I Tie-In
33-81	4/6/82	RCP Motor Ladder
34-81	4/27/82	Noble Gas Monitoring Addition of Effluent RAD Monitoring System
35-81	11/10/82	Temporary Demin. Water Orifice Installation in D/G Bldg.
36-81	11/12/82	Emergency Lighting Modification
39-81	5/12/82	PSL-1/PSL-2 N_2 Intertie
40-81	11/12/82	PSL-1/PSL-2 Waste Management Intertie (Flask Tk. Pmp. to hold tks.)
44-81	8/26/82	Addition of Material Handling Platform to North End of Turbine Bldg.
47-81	2/28/82	MSR Chevron Replacement
51-81	5/12/82	Addition of Vacuum Breakers Based on ICW Flow Balance Test
58-81	5/12/82	Gland Steam Condenser Replacement

PC/M No.	Date Completed	Title
60-81	12/15/82	RCP Oil Collection - Gravity Drain and Guard Pipe
70-81	5/7/82	MSR Steam Inlet TCV Internals Replacement
71-81	4/28/82	MSR Structural Mods.
75-81	3/22/82	A&B MSR Drain Check Valves Replacement
76-81	2/28/82	Modification to TGB Gantry Crane
80-81	4/28/82	Turbine Crossover Pipe Mod.
83-81	2/28/82	PORV Acoustic Flow Monitor Mods.
90-81	4/28/82	Reactor Coolant Pump Oil Collection System (Tank Only)
91-81	4/28/82	Isokenetic Nozzles for Noble Gas Monitors
92-81	9/12/82	ECCS Fan Flow Control
98-81	4/28/82	Lube Oil Reservoir Betterment Tie-Ins (See PC/M 59-81)
106-81	8/30/82	Appendix R Fire Pump Cable Reroute
108-81	5/30/82	AFW Pump 1C Governor and MOV Mods.
109-81	2/22/82	RAD Monitor Cabinet
110-81	4/16/82	Pressurizer Valve Shield Wall
112-81	9/12/82	Relocate I-4-BF-28
115-81	9/10/82	Excore Startup Detector Mods.
116-81	4/28/82	Restraint As-Building Modifications
117-81	2/13/82	RCP Motor Shaft Mod.
123-81	2/28/82	Generator Hydrogen Dryer Piping Changes
130-81	1/25/82	Reactor Vessel Level Monitor System Pressure Boundary Mods.
139-81	5/12/82	Addition to Terminal Boxes to Turbine Intercept Valve Wiring.
143-81	4/10/82	Safety Injection Hanger Modification
145-81	2/28/82	1B2 Station Service Transformer Change-Out
49-8	5/12/82	S/G "B" Blowdown Sample Isolation Valve Replacement
55-82	8/4/82	Test Signal Cable Attenuators to Wide-Range NI Drawers
56-82	12/10/82	AFW Flow Transmitter Test Connections
61-82	8/6/82	Quality Group Declassification
67-82	8/5/82	Electrical Penetration Change

STATE OF FLORIDA)
) ss.
COUNTY OF PALM BEACH)

Robert E. Uhrig, being first duly sworn, deposes and says:

That he is Vice President of Florida Power & Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this document are true and correct to the best of his knowledge, information, and belief, and that he is authorized to execute the document on behalf of said Licensee.

Robert E. Uhrig

Robert E. Uhrig

Subscribed and sworn to before me this

22 day of July, 1983.

Cheryl L. Fredrick

NOTARY PUBLIC, in and for the County of Palm Beach, State of Florida.

My commission expires: Notary Public, State of Florida at Large
My Commission Expires October 30, 1983
Bonded thru Maynard Bonding Agency

To: Distribution

From: Robert E. Uhrig

Subject: SL 1 NO. 50-335
7/22/83 FINAL SAFETY ANALYSIS
REPORT UPDATE
FPL-83-426 7/25/83 rgu

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