

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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

SUBJECT: Forwards St Lucie Plant, Unit 1, updated FSAR, Vols 1-10. List
 of plant changes/mods made under provisions of 10CFR50.59
 encl.

See Shelf
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 TITLE: Updated FSAR(50.71)

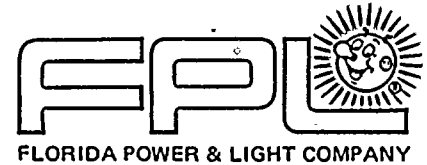
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July 21, 1982
L-82-294

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

Dear Mr. Denton:

Re: St. Lucie Unit 1
Docket No. 50-335
FSAR Update

Florida Power & Light has completed an update of the St. Lucie Unit 1 Final Safety Analysis Report in accordance with 10 CFR 50.71 (e). The required thirteen copies of the updated Report are provided herewith.

Paragraph (2) of the above regulation requires an identification of changes made under the provisions of 10 CFR 50.59 but not previously reported to the Commission. In the "questions and answers" portion of Generic Letter 81-06, February 26, 1981, the staff indicated that this first submittal should be a "clean" document without identifications of changes. Following this guidance we have not marked the changes made in accordance with 10 CFR 50.59. To meet this section of the update regulation, however, we have attached a list of Plant Changes/Modifications (PCMs) which were made under the provisions of 10 CFR 50.59.

Included with the list are descriptions of two PCMs which were inadvertently omitted from our FSAR update review effort. Neither of these modifications would significantly affect the content of the updated FSAR as prepared.

Also, the Reactor Coolant Vent System is described in the Updated FSAR, but this system has not yet received NRC approval. It is installed and under administrative control pending approval.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

PLP/cab
Attachment
cc: Harold F. Reis, Esquire

AOS3
1/13

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PDR ADDCK 05000335
K PDR

Attachment

Re: St. Lucie Unit 1
Docket No. 50-335
FSAR Update

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

The attached list of Plant Changes/Modifications (PCMs) and the two PCMs listed below 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 1, 1981 through January 22, 1982.

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

The following two changes have not been previously reported and were inadvertently left out of the updated FSAR review. As stated in the cover letter, these changes would not affect the updated FSAR except that the general arrangement drawing may show the gasoline service facility.

PCM 115-80 Gasoline Service Facility

This change installed a gasoline tank in the parking lot, outside the protected area fence, and a dispersing pump in the area between the fence and the Service (office) Building warehouse. The pump is approximately 25 feet from both the fence and the building. It should be noted that the parking lot in which the tank is buried and covered with concrete is at least 4 feet below the elevation of the site protected area and the entire installation is in accordance with OHSA and NFPA requirements.

PCM 143-81 Safety Injection Hanger Modifications

This change modified four Safety Injection hangers (restraints) to correct an undersized hanger spring found during hanger inspections. As such it restored the line (1 of 4) to meet original design intent.

ST. LUCIE UNIT 1

FSAR UPDATE PROGRAM

LIST OF REVIEWED PCM'S

(14 Pages)

001-76	CEA Guide Tube Irradiation Test Program
002-76	Addition of TB Ins Air Comp to DG
004-76	Pressurizer Cubic Access Platforms
005-76	BAMU Piping & Heat Tracing Maint Probsms, Phase I
007-76	Addn of Safety Shower&Eyewash at CVCS Chem Add Station
009-76	Disconnect of 2ndary Sample,Addn TCM Sampling
010-76	Wiring&Wrg Mod of FHS Rad Mon Flow Control
011-76	Wiring Connection of P&ID's -25-16 A-B
012-76	Addn of AI Cove for Excore Neutron Detectors
013-76	Allocation of Permanent Test Facility Cable Rad Calibration
014-76	Replace Solenoid Vlv for Reactor Drain Tank Isolation Vlvs V6301&302
015-76	Removal of Relief Valve V2185
016-76	Addition of Functional Test Circuitry to C/S APM Channels
018-76	Install Access Ladders & Platforms at Condenser
019-76	Rewire Containment Inst. Air Dryer Control Switch
020-76	RPS Pwr Ratio & Core Prot Calculators
021-76	Reactor Reg System CEA Status Lights (Remove Relays)
022-76	Vent & Drain Test Connections on Safety Injection System
023-76	Mds to Reroute Component Cooling Drain to Reactor Cavity Sump
024-76	RRS Temp Loop Noise Suppression
025-76	Cont Evac Alarm Bypass During CS ARM Channel Test
026-76	Cont Evac Alarm Bypass During ARM Panel Test
027-76	Replac of V/I Converters on Arm C/S Channels
028-76	Record and Alarm Delta T Across Condenser
029-76	Install CO Monitor at Station Air Receiver and Alarm in Control Room
030-76	Provide Flow Monitoring on SG FP Motor Lube Oil
031-76	ESFAS Cabinet Modification
032-76	Equip Drain Pump 1A AutoStart
034-76	MSIV Press Switch Replacement
036-76	Cooling for Static Uninterruptible Power Supply Cabinets Study
037-76	SG HI Water Level Protection of Turbine
039-76	Rev BA Heat Tracing WMS Subsystem Power Sup to be fed from Class 1E MCC
040-76	Mod Incore Fission Chamber Amplifier Addition
041-76	4160V & 6900 SWGR Metering Circuits
043-76	Mod of Fuel Pool Purif Siphon Breaker
044-76	Mod of Relief Valve to HP Turb Housing
047-76	Change Mech Snubbers to Hydraulic Non-locking Type
050-76	Repl CEA Change Mechanism C.Motor
051-76	FS-25-10 ABC Inoperative Control Room Recirc Units
052-76	Control Room AC Compressor Mod
053-76	Reverse RC Loop to loads in RPS at RTGB
054-76	Restrict Orifice to Reduce Containment Purge Flow
055-76	Relief Valve 5124 Set Press Change
057-76	Personnel Air Lock Leak Test Indication Reset
058-76	Charging & Letdown Flow Signals to Data Processer
059-76	Aqua Chem Concentrators Pressure SW Change
060-76	CEA Red Drop Contacts
063-76	Heat Tracing Circuit Impedance Change
064-76	Addon of Orifice Unions&Orifices to Cont Inst Air Unloading Lines
065-76	IWM Power Feed Rqmts and Annunciator for Off Normal Conditions
066-76	Install 4 wire RTD in Post Loca
068-76	Engr for Mds of CWP Motor Term Boxes to provide accessibility
069-76	Pers Air Lock Indicator Lights
070-76	Intake & Disc Canal Level Instrumentation
072-76	Install Drains in Low Points of Wste Gas Headers
074-76	Addition of Flanges in Charging Pumps Seal Water Vent line
075-76	Installation & Addition of Water Seal on CPSW Pump Shafts
076-76	Horns & Chimes Comm Sys
077-76	Fast Dead Bus Trans to S/U Trans Aux Transformer
078-76	Revise CS 632 Contacts to 14&14T on AFWP Trip Circuit

080-76 Accumulator for Waste Gas Compressors
 081-76 Mod to MSIV Acc
 082-76 LS-21-5A & 5B Stillling Tube Mods
 083-76 Survey Reloc Hinged Armature Relays on SMGR Drs
 084-76 Install Sultable Drain Line fm COX Chem Addon Tank
 085-76 Mod of Primary Sample Line Supports
 086-76 Rev Shield Bldg H&V Damper FCV2511 ContCirc to Activate from Limit Sw
 087-76 Mods to Moisture Sep Drain Collect Tanks Vent Lines
 088-76 MSIV Bypass Valve Control Circuit
 089-76 Metal Collar Addition to Pip Penet on Containment Sump Debris Screen
 090-76 Resolve Excess Drainage by HDP Discharge Valve
 091-76 Provide Shielding Reactor for use on Vessel Head During Refueling
 092-76 Relocate OAI HVA4
 095-76 Install Perm Basin Recirc Line
 096-76 Stm Flow & FW Flow Adder/Subtractor Module Term changes
 097-76 Smoke & Heat Detectors Audible Alarm
 098-76 Addition of Strainers in DWS Hot Cold Lab Piping
 099-76 Steam Flow & FW FS0984&FS-09-1 Flows Switches Contact Change
 100-76 Revise Support Steel to Pipe Hanger#HDA-119
 101-76 Power Oper Relief Valves Remote Contactor Coil Operating Voltage
 102-76 Install Hydraulic Snubber Tester
 103-76 Remove Wire From Pining to TB3-63 in CEDM Control Panels
 104-76 Add dropping resistors to OAI RadMon Relays
 105-76 Restraint for HD Piping
 106-76 Addon Restrs for Main FW Recirc Lines
 108-76 Install Spare 5KV Cable for Tech Spec HiPot Test Rqmts
 109-76 Filter outlet Pipe Mod
 110-76 Condensate Vibration Control Restraints
 111-76 Mod of Incore Cable Conn Assys
 112-76 Control Room AC Thermal Expansion Valves
 113-76 Vibrational Restraints to Line 4"-CH-544
 114-76 Excure Nuclear Instr Linear AMP Gain Chnge
 115-76 Add Totalizer & VT Extractor to Plant Vent Monitor
 116-76 RPS Delta T Pwr Noise Reduction
 117-76 Snubbers for Barton D/Q Instruments ICM Sys Strainers
 118-76 Mods to Seismic Restraints to Lines 1-1"-SI-120&237
 119-76 Mods of Seismic Restr to Line 1-2-B-1
 120-76 Data Processor/Movable Incore Interface changes
 121-76 ECCS Area Vacuum Alarm
 122-76 Anti-Chatter mod to Limitorque Valve Cont Circuits
 123-76 Charging Pump Packing Change
 124-76 PD/L Reads in Negative Direction
 125-76 Vital AC Protection
 126-76 Cables 100628,C Change Coax Type
 128-76 Intake Structure Crane Mod
 129-76 Chrg Pump Cont Press HI Level Override
 130-76 Audio Count Rate Circuit Mod
 132-76 Add SG Wide Range Level Indication
 133-76 Turbine Generator Dump Valves
 134-76 Reroute Cable #831-A-1A
 135-76 Reslope SG Reference Leg Piping
 136-76 Primary Sample Sys Valve Replacement
 137-76 Excure Nuclear Instrumentation Lin Pwr Drawer Mod
 138-76 Chrg Pump Suction Pulsation Prob.
 139-76 Paging System Addition & Alarm Volume Override
 140-76 DG Crossover Platform
 141-76 DG Building Roof Access
 144-76 Revise Cond Pump Recirc Control
 146-76 Install Cable Trays for Reactor Head CEDM Temp Stor
 147-76 Temp Change to Fuel Pool Purif Loop Siph

150-76	Loss of DG D/C Control Power Annunciation
152-76	Provide Ltg In Turbine Enclosures
153-76	Provide Ltg & Power Receptacles In Cond Stor Encl
155-76	Provide Ltg In Upper areas of Boric Acid & Waste Concentrator
157-76	Install Conc Rad Shielding RCB & FHB on fuel transfer tube
158-76	Pipe Rest Mod of Installation of BD Piping
159-76	Installation of Check Valve In Line 1 1/2" MM-A28
160-76	LPSI Flow Control Val Posit Ind Circ Mod
161-76	Fuel Oil Sounding Tapes at Emergency Diesel Fuel Oil Tanks
162-76	Mod to Turning Gear Control
163-76	Modify Pull Boxes #1326 & 1327 NRC Rqmt
164-76	Drip Pans over TSP Baskets
165-76	MSR Drain Cooling Water Injection
166-76	SG8TF Tie In for Instr Air Sys to Unit 1
167-76	Mod Reactor Head Cable Junction Boxes
168-76	Pressurizer Spray Valve Internals Mod
169-76	Add Dual Basket Strainer & PD Alarm at Equipment Drain Tank
170-76	Mod to Reactor Cavity Sump Leak Detection System
171-76	Install Gaskets & Demisters on Relays and Doors of DG Control Panel
172-76	Add New Gain Range to the Linear Power Nuc Instr Dhrs
173-76	Resolution of Hydraulic Snubber Overfill Hole Deficiencies
174-76	Neutralization Basin Liner
175-76	Rad Mon Instrument Needle Fluctuation
176-76	Temp Fuel Hand Equip to Reconstitute Fuel Assy
177-76	Annun 15% Power Change per hour
178-76	Addon of Relief Valve to SGFP Shaft Driven Lube Oil Pump
179-76	SUPS Bus Volt Indication
180-76	Inst Neut Grnd Resis & Trans on DG
181-76	Rev Control Scheme on VCT Valves 2501 & 2504
182-76	Shutdown Cooling Relief Valves
183-76	CVCS Lotdown Back Press Control Mods
184-76	Addon Traps for Waste & BA Concentrators
185-76	Ext of Test Ports for Fuel Trans Tube Nozzle Seal
187-76	Add Vent Valves to CCM Pumps
188-76	Install Ch Val In ICW Pump Cooling Line
189-76	Installation of 8" ILRT Valve I-Y00101
190-76	Liquid Waste Demineralizer Sys
191-76	Relocate Ladder & Install Additional Platforms on Intake Struct
192-76	Fuel Reconstitution
193-76	Reduction of RCP Fire Hazard
194-76	SG8TF Piping Tie In to Unit #1
195-76	SG8TF Elec Interfaces to Unit #1
196-76	SG FW Ring Nozzle Mods
197-76	Relocate Craft Access Gate
199-76	Containment Fan Coolers Vibration Monitors
200-76	Fuel Handling Equipment Changes
201-76	Relocate Aux FWPIC Control Boxes
202-76	Aux FWP IC Turb Governor Mod
203-76	Replace CEA Extension Shaft
204-76	Revise Restr to 2-SI-141
205-76	ICW TCV Limit Control
209-76	SL Plant SWYD Expansion
210-76	Pipe Aux FWP IC Drains out of Trestle Area
211-76	Lotdown Control Valves 2110 P&Q Pres Seal Ring Change
212-76	SL Plant Pressurizer Over Press Monitor & Alarm

215-77 Modify SGFP Runback Circuit
 216-77 Motra Scope Input
 217-77 PCV 1100 E&F Valve
 218-77 CCW Hx Salt Water Strainer Cover Gaskets & Stud Washers
 219-77 Modify "C" AFHP Trip Circuit
 220-77 Reroute resin dewatering pump disc.piping
 221-77 Condenser Leakage Program Mods
 222-77 Addon of Restr to FW Heater Shell Side Vent to Cond
 223-77 L Shaped Hatch, FHB
 224-77 Chrg Pump Cont Relay Supression Diodes
 225-77 Add Restraint to I-FCV-23-6
 226-77 -SGFP Control mod to Provent Multiple Starts
 227-77 Equip Drain Tank 1B Tie In to Disc Distribution Header
 228-77 FW Pump Disc Valve Circ Mod/Inhibit Open on MIS's
 229-77 Delote Dropped Rod Initiation of Turbine Runback
 230-77 Replace Vents & Drains on ICW Headers
 231-77 Install NaOH Containment Spray Additive Subsystem
 232-77 ICW Pump & Lube Water Mods
 233-77 Modify Feed Pump Control
 234-77 Intercept & Reheat Stop Valve Wiring
 235-77 Relocate RCP Instruments on RTGB 103
 236-77 Install Union & Nipple on CW Pump 1B2 Lube Water Line
 237-77 Rotor Position & Diff Expansion Pickups
 238-77 Mod Hanger in FW Pump Suction Line
 239-77 HD Pump Restraint Addon
 240-77 RRS CEA Control Mod
 241-77 Circ Water Pump Loss of Power Logic
 242-77 City Water Chlorinatio Sys Piping Chng
 243-77 Cont Spray Pump Ammeter Change
 244-77 Reactor Internals Vibration Monitor Sys-Tuneable Filter Addition
 245-77 Add New Temp Shields to Met Tower Temp Probes
 246-77 Install Remote Terminal Unit
 247-77 Turbine Generator Common Trip
 248-77 RCP Seal Cooler CCW Valves
 249-77 Pwr Wiring to Motors in Gas Analyzer
 250-77 Temp Pumping Arrangement for Settling Basin
 251-77 Close FW Reg Valve 100% bypass Valve on Turb
 252-77 Change SGFP Recirc Valves FCV-09-1A2&1B2CV
 253-77 Heater Drain Pump Pipe Supports
 254-77 Condenser Cleaning Booster Pump
 255-77 Mod Containment Instr Air Sys
 256-77 Install Curbs on Sta Serv Transformer
 257-77 15V Pwr Sup Test Jacks in Nuclear Instrumentation
 258-77 Heater Drain Sys Modifications
 259-77 Mods to Atmospheric Dump Valves & CST
 260-77 Relocate DEH Press Transmitter PT22-24
 261-77 Condenser Hotwell Level Mods
 262-77 Charging Pump Lube Water Sys Mod
 263-77 Mods Pressurizer Spray Valves
 264-77 Relocate Sample Valve Control Switches
 265-77 Install Shield Bldg Vent Sys Heaters
 266-77 SGBTF Open Cooling Hx Gaskets
 267-77 Remove Sec Ltg Stand Relocate Conduit for Deadman Clearance
 268-77 RTGB Annunciator Flash Rate
 269-77 Computer Pwr Supply Protection
 270-77 Mod to PT-08-13A1,A2,A3 Installation
 271-77 FCV-09-1A2 & 1B2 Control Mods
 272-77 Discharge Canal Instrumentation
 273-77 Tornado Protected RCS Makeup Water Source
 274-77 Annunciate Invalid Disch Wtr Level Temp Alarms

285-77 Add status contacts from UCR to Sequence of Events
 285-77 Mod of Control Room Doors
 286-77 Annunciation for Emergency Spilling Canal Valve opening
 290-77 Add Pwr Recept & Ltg Fix for Plant
 292-77 Mod Condenser & Waterbox Manway Covers to Flange Type
 293-77 Temp Charging Sys Instr Test Conns
 294-77 Reroute 1"-CH-930 to Clear MCC Interference
 295-77 Containment H2 Sampling Valves Replacement
 298-77 Air Conditioning for Hot Lab Counting Pm
 299-77 RCS Overpressure Mitigating System
 300-77 Spent Fuel Storage Facility Mod
 301-77 Replace Intake Struct Warn Light w/Lighted Buoy
 302-77 Gould Inverter Capacitor Jumper Mods.
 303-77 Install Perm Refueling Canal Sump Pump
 304-77 Flamemastic Application
 305-77 Rep Rev Current Valves Solenoid Valves
 306-77 Seismic Monitoring Test Circuit Filter
 307-77 FW Heater Level Controller Heat Insulating Kit
 308-77 Main Steam Check Valve Stop Plate
 309-77 Install of Piping Restraint 1-24" SI-506
 310-77 Relocate Oil Lift Pump 1B1-B Motor Feeder
 311-77 RC Sump Liquid Level Measure Inst. Mod
 312-77 Provide Drainage for Elec Manholes M182, 183, 184
 313-77 Addon of Piping Restr for Line 6"-PB-74
 314-77 Relocation of S.I.T Sampling Point
 315-77 MFWP Sequence of Events Input
 316-77 CCW Radiation Monitors Mods
 317-77 MRS Scavaging Steam Vent Condenser
 318-77 Backfit Warehouse Fire Water Supply
 319-77 Fuel Pool Purification Filter Hand Holst
 321-77 Install Fittings on ICW Pump Press Gage
 323-77 Standoffs for New Fuel Elevator
 324-77 Refueling Machine Modifications
 325-77 Change Radiation Area Fence Line
 326-77 Neutron Streaming Shield
 327-77 S-U Transformer Security Fence Mod
 328-77 Refueling Machine Underwater Lighting
 329-77 Add Isol Valves to Main FWP P/E Converters
 330-77 Service Bldg. Sprinkler Alarms
 331-77 Turbine Exhaust Hood Temp Trip

332-78 Add Oil Pumps to Refueling Machine
 333-78 Install Replacement Refueling Machine Spreader
 334-78 Sequence of Events ES Test Points
 335-78 CEA Limit Bypass
 336-78 Add Isolation Valves to DG Pressure Switch
 337-78 Rewire Fire Prot Zones for Proper Trouble Switching
 338-78 Main Transf 1A & 1B Cooling Pwr Mods
 339-78 Spare ICM Pump Repairs
 340-78 Install Quick Exhaust Valves to Non-return Valve Activators
 341-78 Installation of Redundant Pumping Sys to Process Monitor
 342-78 BAMU Tank 1A & B Level Sensing Line
 344-78 Lowering Screen Wash DP's
 349-78 Install D/P Indications on Vapor Extractors
 352-78 Automatic Reset Function on City Water Pressurized Controller
 354-78 MFHP 1A & B Sequence of Events Mods
 355-78 Latdown Flow Limiter L-Y 1110
 358-78 Waterbox Cathodic Protection
 359-78 CEA Block Circuit Test Equipment
 360-78 FHB Hatch Drive Limit Switches
 361-78 Condenser SBCS Spargers
 362-78 ICM Lube Water Sys Phase I
 363-78 Reflasher/Annunciator
 364-78 Replace Main Generator Regulator Null Mtr.
 365-78 Backup Air Compressor Installation
 366-78 620V Power for HP Office SGSTF
 367-78 Addition of Analog Output Capability to DOPS
 369-78 Alarm Trouble Test Switches to Each Fire Protection Zones
 370-78 Permanent Power for Intake Fish Basket Hoist
 372-78 Maintenance Ramp Storage Room
 373-78 Hard Pipe Purification Bypass Connections
 374-78 FHB Vent Stack & Effluent Monitor
 375-78 Refueling Spent Fuel & CEA Charge Motor Drive Mod
 376-78 RTU Cables
 377-78 #3A & 4B HP Heater Relief Valve Vent Mods
 378-78 Add Arc Suppression to Valve 2161
 380-78 Power for Lunch Pavilion
 382-78 Captive Key Sys for Cask Wash Drains
 386-78 Replace Selected Hydraulic Seismic Restraints W/Mech Seismic Restnts
 388-78 Furmanite MCSV 1A & 1B
 390-78 Anti Sweat Insulation on CCM Pipe-Containment
 391-78 Discharge Canal Dike Mods
 392-78 Sewage Treatment Facility
 393-78 Loose Parts Monitoring LPM
 395-78 FHB Fuel Transfer Tube Shield
 397-78 CEA Guide Tube Work Station & Sleeving
 398-78 Remove Part Length CEA's from PSL1 Cycle II
 399-78 Relocate Buried Conduit & Cable Conflicting Transformer 2A FDN
 400-78 Turbine #9 Bearing Oil Temp Indicator TI-22-435
 403-78 Remove Ind Ltg & Switches AB&C Strong Bases at WTP
 405-78 Temporary Reactor Cavity Filtration System
 406-78 Noise Reduction on Input to ESC Bistables
 407-78 Change Solenoid Valves on ACV-12-36 A&B & PCV12-37 A&B
 410-78 Turbine Valve Position/Speed Recorder
 411-78 Containment Cooler Relief Valve Flanges
 412-78 Install Cooling Fans in Waste Mgmt System Cabinet
 415-78 ICM Flow Orifice "B" Train
 417-78 4160 SG DG Load Sequence Relays
 418-78 MSCV Perm Stop Block Modification
 419-78 Fuel Handling Equipment Changes for CEA Plug Compatability
 420-78 Repair Incore Instrument Thimbles

421-78 Return to Operation with CEA Guide Tube Sleeves Installed
 422-78 Holding Kennel-Cr Access Point
 423-78 Rest Kennels for Dogs
 424-78 Holding Kennels
 428-78 Thermocouple Change in HVE1,2,6A,6B,16
 429-78 Turtle Entrapment Protection
 430-78 Discharge Canal Bank Raising
 432-78 Revise RCS Overpressure System
 433-78 ICH Strainer Body Material Change
 434-78 Main Guard Station Control Room CAS Upgrade
 435-78 Defensive Positions Location
 436-78 Add Balanced Mag Sw. & Circuit Supervision to Door 17
 437-78 Remove CR's from DG Bldg Doors
 438-78 Add Fuse Blocks in DGP's
 440-78 Fence Relocation & Gate Mods
 441-78 Explosive Detector Procurement & Installation
 442-78 Intake Canal Seaweed Research Program
 443-78 Time Delay on SGFP Low Flow Trip
 444-78 Reactor Cavity Leak Rate Detection Sys
 445-78 Access Ladder for Containment Purge Valve
 446-78 RPS TM/LP Pretrip Setpoint
 447-78 Add Calibration Feature to Met Sta Temperature Bridges
 448-78 Redesign CCTV System
 449-78 Intake Canal Antifoulant Liner
 450-78 Mods Drain Cooler IB Vents & Drains
 452-78 Soc Communications with Local Law Enforcement
 453-78 Modify Quench Tank Vacuum Breaker
 454-78 Charging System Pressure Pulsations
 455-78 DG Loss of Field Circuit Mod
 456-78 Brine Sys Feed Line Mod
 457-78 Cooling of Ultrasonic Machine in Decon Room
 458-78 Provide Isolation Valves in Instrument Air System Control Panel
 459-78 Add Isolation Valves to Turbine Pressure Switches
 460-78 MFWP 1A & 1B Bearing Oil Pressure
 461-78 Modify CCH Pump Motor Missile Shields
 462-78 Administrative Control of Galtronics
 463-78 Discharge Canal Temperature Monitor
 464-78 Upgrade "BRD" Outlets
 465-78 Switchyard Modification for PSL Unit II
 466-78 BAMU Station Modification for Phase II
 468-78 480V & 120V Power to Turbine Bldg Freight Elevator
 472-78 Turbine Area Deluge Annunciation
 473-78 Deletion of Vanadium Detector in Fixed Incore Detectors
 474-78 Fire Protection Curbing DG Bldg
 475-78 Relocate 1B Startup Transformer
 476-78 Add Spare MCC Stacks to MCC 1A5 & 1B5
 477-78 Add Second Neutral Over Voltage Relay to Main Generator PT's
 478-78 Emergency Rad Waste Hose Connections
 479-78 Charging Pump Block Replacement
 480-78 Portable Eye Wash Tanks for Switchyard Battery Room
 481-78 Gas Analyzer Cabinet Ventilation
 482-78 2A4 Switchgear Non Seg Bus Relocation
 483-78 Condenser Hydrostatic Test Level Indicator
 485-78 Rim Cut Steam Generator
 486-78 Condenser Waterbox Cathodic Protection Rectifier
 487-78 Replace A&B Drain Cooler Expansion Joints
 488-78 Annunciate Audible Alarm Time Delay
 491-78 Condenser Retubing
 492-78 Stretch Rating Instrument Changes
 493-78 Modify 1A1 Safety Injection Fill Line Brace

494-78 Modify Relay Acc/Sec Configuration on Card Reader Doors
496-78 Modify Hardware to Incorporate Revised Security Points
497-78 Misc Relay Change on Voltage Balance Relay
498-78 Press Reg for NRV Air Supply
499-78 Add Bal Mag Sw & Circ Spvr to Doors 81 & 2
500-78 Add Bal Mag Sw & Circ Spvr to Doors 18 & 19
501-78 Add Bal Mag Sw & Circ Spvr to Door 26
502-78 Add Test Sw for Generator Hydrogen Annunciators
503-78 Check Valve at Diesel Oil Tank Fill Line
504-78 Audio Haller System - Security
505-78 Transport of U2 Heavy Equipment thru U1
506-78 Rework Duct/Manhole Sys for Telephone Sys
508-78 Equipment Ramp Lighting
509-78 ESFAS Relay Changes
510-78 N2 Supply to NaOH Tank Isolation Valve
511-78 Hardening of CST/AFWP Areas
512-78 Charging Pump Run Time Meters

513-79 Add Power-Off Switches to all Card Readers
 514-79 CCM Top Missile Shelter Structure Change
 515-79 Regenerative Heat Exchange Drain Valve Replacement
 516-79 Removal of Intake Pit Decking
 518-79 Cask Washdown Enclosure Roof
 520-79 CCM Pump Seal Cyclone Separator
 521-79 Aux FW Pump IC Turbine Cool Water Line
 522-79 Add Ladders to Access EI 29' from EI 19.5' in RAB
 523-79 Add Curbing at ICW Pumps CST Doorway & Seal CST Pipe Tunnel
 524-79 Condensate Storage Tank Vent
 526-79 Temp Mod to Plant Fencing
 527-79 Permanent ILRT Piping
 528-79 Harden Craft Access Gate 12
 529-79 Harden Craft Access
 530-79 Compensatory Hardening of CR Doors 74 & 56
 532-79 Lube Water for Brine Pump WTP
 533-79 Main Feed Pump Gland Seal Recovery Pump
 535-79 SG Manway Modifications
 536-79 Add Card Reader at Radiation Check Point
 537-79 CWP Baseplate Support Beam Mod
 539-79 Fire Pump Test Line
 540-79 Station Air To Instrument Air Filter
 541-79 Voltage Swing Mod
 542-79 Drain Cooler 1A Condensate Pipe Support
 543-79 Containment Auxiliary Hoist Support Structure
 546-79 Turbine Emergency Bearing Oil Pump
 547-79 Aux Feed Pump IC Governor Improvements
 550-79 CEA Guide Tube Mod for 1979 Refueling
 551-79 Intake Canal Permanent Erosion Protection
 552-79 ICW (TCW) Piping Repair
 553-79 Modify D/G Crankshaft Coupling to Radiator Fan
 554-79 Caustic Bypass Line
 555-79 FX Reg Sys Annunciator for Loss of Primary Pwr
 556-79 Refueling Equipment Cooling
 557-79 MSR Closure Plate Repair (79 Refueling)
 560-79 RCP Vibration Alarm Mod
 561-79 Feedwater Reg Valves Oscillations
 562-79 Sodium Detectors Phase I
 563-79 Service Bldg Addition
 564-79 MSR Modifications & Repairs
 565-79 Automatic Initiation of ESF (CIS Upon Annunciation of SIAS)
 566-79 Velan Valve Restr Mod
 567-79 Aux FW Pump Auto Start
 568-79 CCM Restraint Discrepancies
 569-79 MSCV 1B Rockshaft Mods
 571-79 FCV-12-1 Stroke Modification
 573-79 ICW Non-Essential Header Vacuum Breakers
 574-79 Extraction Non-Return Valve Solenoids
 575-79 Caustic Pump Power Supply
 577-79 Circ Water Pump Disch Valve Limit Switch Setting Mod
 579-79 Alarm & Lamp Test Control Circuit
 581-79 IC Condensate Pump Start-Up Seal Water Pressure Gage
 582-79 Removal of Containment Cooler Fan Local Control Station
 584-79 Switchyard Ductbank Repair
 585-79 Condenser Low Vacuum Alarm Setpoint Change
 586-79 CD MSR Drain Check Valve Replacement
 587-79 Relocate Plant Vent Monitors Alarm Setting
 589-79 NaOH Test Flush Valves
 590-79 Unit 1 Turbine Bldg Crane Rail Mod
 592-79 Addition of Vent Fans to FHB Effluent Mon

593-79 Rework Condenser Delta T Input & Add Condensate Temp. Input to Doric
 594-79 Press PORV Modification
 596-79 79-14 SIS Restr Mod #1 Safety Injection Sys Restraint Mods
 597-79 Condenser Cathodic Protection
 598-79 Motrascope Power Supply
 599-79 79-14 Restr Mod #2 PORV and 1A2,SIT Discharge Line Rest Mod
 600-79 Firepump Suction Cross Connect
 602-79 DG Day Tank Vent Modifications
 603-79 Fire Main Isolation Valve
 604-79 Reactor Cavity Ladders
 605-79 Change Range on Temp Recorder TR22-6
 606-79 Control Room Fire Door
 608-79 COX Rad Mon Installation
 611-79 WTP Acid Piping Mod & Mixing Station
 612-79 79-14 Restraint Mod #3 Safety Injection Hanger Mods
 613-79 79-14 Restraint Mod #4 Safety Injection/Contmnt Spray Sys
 614-79 79-14 Restraint Mod #5 Spont Fuel System
 615-79 ICM Lube Water Mods Phases II VI
 617-79 79-14 Restraint Mod #6 Restraint Mod to Refuelling Cavity Purification Sys
 619-79 79-14 Restraint Mod #7 CHCV-19,S1-676-245,S1871-391 MPR 204-55A
 620-79 Reactor Bldg Telescoping Jib Crane
 622-79 MG Set Breaker Control Power
 623-79 Replace V6478 W/Tee and Diaphragm Valve
 624-79 NPS Office In Control Room
 625-79 Screen Wash Modifications
 626-79 Circ Water Pump Logic Change
 627-79 Fire Pumps Upgrade
 628-79 Temporary Mod of Effluent Monitors
 629-79 Mods to Charging Pump Suction & Extract Steam Lines
 631-79 DDPS Upgrade
 633-79 CEDS Coil Power Programmer
 634-79 Reactor Coolant Pump Fire Detectors
 635-79 Fire Protection of HPSI,LPSI & CS Pump Areas
 636-79 Primary Water Pump Recirc Orifice Size Increases
 637-79 480V Bus Undervoltage Relays
 639-79 Primary Sample Room Modifications
 642-79 RCS Drain Hose Storage Brackets
 643-79 Relocate Pressure Indicators 09-7a,b,c
 644-79 Direct Position Indication Safety & Relief

002-80 DG Fire Door
 003-80 Laundry Corridor Fire Door
 004-80 Cable Room Fire Barrier
 005-80 RCS Subcooling Monitor
 006-80 Battery Room Exhaust Damper
 007-80 General Manual Auto Synchronizing Pushbutton
 008-80 Unit 2 Start Up Transformer 2A
 010-80 Feedwater Heater Replacement/Retubing
 012-80 Reactor Cavity Handrail
 014-80 Enclose Covered Work Area
 015-80 DG Turbocharger Monorail
 018-80 Add Cardreader to CAS Door
 020-80 New Gate Strikes at Gates 6 & 23
 023-80 79-14 Restraint Mod #8
 024-80 Containment Purge Valve Mod
 025-80 DG Fire Detectors
 026-80 Upgrade Flow Sys/Cond Air Ejector Monitor
 027-80 Equip. Stor. Area under Pers. Hatch
 028-80 Modify Personnel Hatch Access Stairway
 031-80 FCV 12-1 Modifications
 032-80 79-14 Restraint Mod #9
 033-80 DG Tank Dike Penetrations
 035-80 Aux Feed Pump Recirc Lines Matl Change
 037-80 RCP Lube Oil Collection Sys
 038-80 Quench Tank Cooling
 039-80 RCP Seal Injection Line Mod
 040-80 79-14 Restraint Mod #10
 041-80 Condenser Hotwell Access Hatches
 042-80 Install Waterbox Air Movers
 043-80 79-14 Restraint Mod #11 (9 restraints involved)
 045-80 Test Bleedoff Valves for PS-13-4, 16-3
 046-80 DG Air Start Compressor Exhaust Mod
 047-80 TG Generator Condition Monitor Taps
 048-80 Containment Tool Room
 049-80 MSR Tube Bundle Replacement Support
 051-80 Air Conditioning for Hot & Cold Locker Rooms & Hot Machine Shop
 052-80 CT Changeout in Switchgear 1A2-2 & 1B2-9
 054-80 79-14 Restr Mod #12 Containment Restraint Mods
 055-80 Gen Stator Winding Temp Monitor
 056-80 Reactor Coolant Gas Vent Sys
 057-80 DG Cable Change
 058-80 Beckman Analyzer Power Source
 059-80 79-14 Restraint Mod #13 Restraint Mods outside of Containment
 060-80 Relocate of Sample Coolers
 062-80 PSL 2 Kerite 600V Power & Control Cable on PSL/1
 063-80 Refueling Machine Modifications
 064-80 Generator Reverse Pwr Indicator/Gross Meg Ind
 065-80 Extra Stm Supply for Aux Stm Phase I
 066-80 CS Nozzle Flow Test Penetration in RAB
 067-80 Pressurizer Piping Within the Press Cubicle
 068-80 Asymmetric SG Transient Protection
 069-80 ICH Pressure Taps
 070-80 Rosemount Transmitters
 072-80 79-14 Mod #14 Removal of Temporary Tie-In Line 1-3-C71*2/2C
 073-80 79-14 Mod #15 Containment Restraint Mods
 074-80 79-14 Mod #16 Add Sols Rest to Emerg Fuel Pool Make-up lines from ICH System
 075-80 CP Discharge Damper Phase II Installation
 076-80 RCB Press/Level Monitoring
 077-80 RCS Sub-Cooling Monitor
 078-80 RCB HI Rad Monitors

079-80 Control Room Data Processor Floor Penetration
 080-80 79-14 Mod #17 Restraint Mods Outside Containment
 081-80 Reactor Vessel Stud Bolt #21 Repair
 083-80 Flow Measurement of OSCW-ICW
 084-80 Cable Routing for DDPS & Seq of Events Recorder Relocation
 085-80 79-14 Mod #18 Restraint Mods Outside Containment
 086-80 79-14 Mod #19 RCB Sump Pump Discharge Piping
 087-80 79-14 Mod #20 Flash Tank Pump Discharge Penetrating ECCS
 088-80 Control Wiring PORV 1402
 089-80 SGBTF Radiation Monitoring System Ventilation
 090-80 RCP "Start Permissive" Indication
 091-80 Add Sound Power Connection between Technical Support Ctr & Control Room
 092-80 Restr Mod ISI NRC Audit SI-676-2475&2575A
 094-80 Secondary System Ket Layup Phase I
 095-80 CCK Chem Addition Tank Drain Line Mod
 096-80 Scaffolding Storage Area In RCB
 097-80 Sodium Detectors Phase II
 099-80 DG Rooms Fire Protection System
 112-80 120V AC Power for Telephone Equipment
 113-80 Cold Chem Lab - Structure
 117-80 SIT Level Transmitter Replacement
 120-80 Power Supply for PORV & Block Valves
 121-80 RCP CCK Supply Prot Short Term Fixes
 122-80 Data Processor LED Digital Displays
 125-80 Generator Bearing Oil Loop Seal Vapor Extractor Mod
 127-80 Storm Drain Barriers
 130-80 Delete Alarm for Condensate Conductivity Analyzer
 131-80 Uninterruptable Pwr Supply for RAB Lines
 133-80 Control Room Architectural Improvements
 134-80 CEDS Power Supply Mounting
 135-80 Technical Support Center
 136-80 Cold Chem Lab - Final
 137-80 DOPF & ARMF Alarm Panel Mods
 138-80 Generator Core Monitor St. Lucia I
 142-80 TMI Shielding-Valve Operator Addition & High Level (TMI) Liquid Waste Return to RAB
 145-80 Remove AFW Pumps from RCA
 147-80 High Alarm Reactor To Cavity Leakage
 148-80 Noble Gas Monitors
 151-80 Transfer Canal Gate Mod
 152-80 CST Cross Tie SL1/2 Mods
 153-80 CST Redundant Level
 154-80 Audible Flux Indication
 157-80 DC Self Contained Emerg Ltg Aux FW Pump Area
 158-80 TMI Shield Whip Restr & Pipe Restr Mods
 159-80 Hot/Cold Locker Area Lighting
 161-80 Control Room AC 3A & 3B Cable Change
 163-80 Install Hydrogen Analyzers to Satisfy TMI Action Plan
 164-80 Post Accident Samp Sys Installation to Satisfy TMI Action Plan
 165-80 AFW System Auto Start Upgrade
 166-80 Install Foundation for 500,000 Gallon Demineralized Water Storage Tnk
 169-80 Install Control Room Aux Console
 171-80 Heater Drain Pump 1B LCV Mod

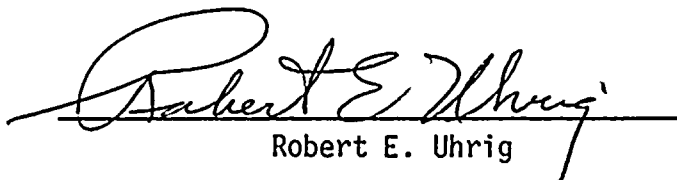
004-81 HVE 9A & 9B Inlet Louver Mods
 009-81 Structural Suppts for Masonry Walls Mod 1
 011-81 Structural Suppts for Masonry Walls Mod 2
 013-81 Resin Transfer Area Coating
 016-81 Control Room Galtronics Addition
 024-81 Hydraulic to Mech Snubber Change Out 20, 30, & 70 KIP
 027-81 Condensate Polisher Phase 1 tie in
 033-81 RCP Motor Ladder
 034-81 Noble Gas Monitoring Addition of Effluent RAD Monitoring System
 037-81 Change IC Equipment Drain Pump Mechanical Seal
 039-81 PSL-1/2 N₂ Intertie Mods
 041-81 Power for A/C & Computer in Outage Computer Room
 046-81 Intake Screen D/P Instr Mods
 047-81 MSR Chevron Replacement
 051-81 Addition of Vacuum Brkrs ICW Flow Bal Tst
 053-81 MSIV Pres Switch Isolation Valves
 058-81 Gland Steam Condenser Replacement
 060-81 RCP Oil Collection Gravity Drains & Guard Pipe
 066-81 Containment Radiation Monitor Upgrade
 068-81 Change 1A Closed Blowdown Cooling Pump Mechanical Seal
 070-81 MSR Steam Inlet TCY Internals Replacement
 071-81 MSR Structural Mods
 075-81 A & B MSR Check Valves Replacement
 076-81 Mods to TGB Gantry Crane
 080-81 Turbine Crossover Pipe Mod
 081-81 Guardhouse Security Intercom System
 083-81 PORV Acoustic Flow Monitor Mods
 085-81 P/E-09-1A1 Replacement
 090-81 RCP Oil Collection Sys (Tank Only)
 091-81 Isokinetic Nozzles for Noble Gas Monitor
 103-81 Voltage Regulator Nullmeter
 104-81 Replacement of Drains in ICW System
 108-81 AFW Pump IC Governor & MOV Mods
 109-81 Rad Monitor Cabinet E
 110-81 Pressurizer Valve Shield Wall
 111-81 1981 Refueling Machine Mods
 112-81 AFW Upgrade
 114-81 Condensate Polisher Building Foundation and Excavation Work
 116-81 Restraint As-Building Modifications
 117-81 RCP Motor Shaft Mod
 120-81 Main Generator Voltmeter Installation
 123-81 Generator Hydrogen Dryer Piping Changes
 126-81 Upper Guide Structure Mods Installation of RVLMS Support Tube Assy
 128-81 Diesel Generator Voltage Regulator
 130-81 Reactor Vessel Level Monitor System Pressure Boundary Mods

STATE OF FLORIDA)
)
COUNTY OF DADE) ss.

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

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

That he has executed the foregoing document; that the statements made in this said 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


Robert E. Uhrig

Subscribed and sworn to before me this

21 day of July, 1982

Cheryl Z. Fredrick
NOTARY PUBLIC, in and for the County of Dade,
State of Florida

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

