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SUBJECT: Forwards Rev 8 to updated FSAR for St Lucie Unit 1 & list of changes plant changes/mods, per 10CFR50.59.

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JULY 17 1989

L-89-259

10 CFR 50.71

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Re: St. Lucie Unit 1
Docket No. 50-335
Updated FSAR Revision 8

Pursuant to 10 CFR 50.71(e), Florida Power & Light Company has completed a revision of the St. Lucie Unit 1 Updated Final Safety Analysis Report (FSAR). The required ten copies of the revision are enclosed.

The enclosed information accurately presents changes made since the previous submittal, necessary to reflect information and analyses submitted to the Commission or prepared pursuant to a Commission requirement. This revision includes activities completed between January 23, 1988 and January 22, 1989.

In addition, we have enclosed a list of Plant Changes/Modifications (PCM) which were completed under the provisions of 10 CFR 50.59 during this period. A brief description of the changes and a summary of the safety evaluation of each are submitted under a separate cover.

Very truly yours,

C. O. Woody
Acting Senior Vice President - Nuclear

COW/EJW/gp

Enclosure

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

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PLANT CHANGE/MOD REVIEWED FOR PSL1 FSAR AMENDMENT 8

NUMBER -----	REVISION -----	TITLE -----
583-079	0-1	ESFAS POWER SUPPLY
075-082	0	DIESEL GENERATOR HIGH CAPACITY TURBOCHARGER INSTALLATION
297-177	0-3	REACTOR CAVITY FILTRATION SYSTEM
089-182	2	REACTOR VESSEL HEAD SHIELDING
114-182	0-5	TURBINE SUPERVISORY INSTRUMENTATION
355-183	0	THERMAL SHIELD REMOVAL-PHASE III
177-184	0-3	ROSEMOUNT TEMPERATURE TRANSMITTER REPLACEMENT
039-185	2	ED6 SUBSYSTEM FLOW DIAGRAMS
090-185	0	REFUELING & FUEL XFR MACHINE
092-185	0	ESFAS POWER SUPPLY
177-185	2	REPLACEMENT OF VALVE SOLENOIDS
204-185	0	ICW BACKUP LUBEWATER BACKFLOW PREVENTER REPLACEMENT
028-186	0	COW PUMP JOURNAL BEARING MATL CHG
050-186	0-1	INSTRUMENT AIR UPGRADE
052-186	0-1	UPPER GUIDE STRUCTURE LIFT RIG REPAIR
074-186	1	HEATER DRAIN PUMP DEMINERALIZED WATER SUPPLY
077-186	1	10CFR50.49 EQ LIST REVISION
099-186	0	UGS LIFT RIG LOAD TEST FIXTURE
114-186	0	CONDENSATE PUMPS EXPANSION JOINT REPLACEMENT
119-186	1	10 CFR 50.49 EQ LIST REVISION
128-186	0	S.U. TRANSF LOCKOUT DISC SWITCH
131-186	0	AUTO LEAK RATE TESTER FOR PERSONNEL AIR LOCKS
133-186	0-1	QSPDS SOFTWARE MODIFICATION
138-186	0	BECKMAN WASTE GAS SYSTEM OXYGEN ANALYZER REPLACEMENT
140-186	1,2	ANNUNCIATOR NUISANCE ALARMS

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PLANT CHANGE/MOD REVIEWED FOR PSL1 FSAR AMENDMENT 8

NUMBER -----	REVISION -----	TITLE -----
147-186	0	ICW DISCH PIPE ZINC RIBBON
013-187	0	SIMULATOR TRAINING FACILITY GAI-TRONICS
016-187	0	CCW, TCW, OBCW VALVE ACTVATOR REPLACEMENT
018-187	0	DRAIN FOR PIPE LINE R-WM-040
034-187	1	CONDENSER OUTLET TUBE SHEET AND WATERBOX COATINGS
036-187	0	CONDENSER TUBING STRAIN GAUGE INSTALLATION
039-187	0	CONDENSER RECIRC TO COND PNEUMATIC SQRT EXTR REPLACEMENT
041-187	0	MAIN FEEDWATER REG VALVE POS IND REMOVAL
054-187	0	CONDENSATE POLISHER TIE-INS
075-187	0	FIRE DETECTOR MODIFICATIONS
076-187	0-2	ERDADS/SAS UPGRADE
078-187	0	REPL OF F & P CONTROLLERS
085-187	0	TURBINE GENERATOR SEAL OIL SYSTEM ENHANCEMENT
088-187	0-1	REMOTE REACTOR VESSEL LEVEL INDICATION
105-187	0	CHARGING PUMP BLOCK MATL CHG
116-187	0	REPLCMNT OF S.R. BATT 1A&1B
119-187	0	GRROUTING OF MASONRY BLOCK WALLS
123-187	0	CEA M6 SETS LOCK-OUT RELAY
128-187	0-1	SI TANK & CONT FAN COOLER INST UPGRADE
141-187	0	480V PCB TRANSFORMER REPLACEMENT
142-187	0	480V LOAD CNTR 1A3 & 1B3 TRANSFORMER REPLACEMENT
143-187	0	480V PCB TRANSFORMER REPLACEMENT
152-187	0	SIT SAMPLE VALVE AS BUILD MODIFICATION
157-187	0	GEDS COIL PWR PROG PART LENGTH REMOVAL
001-188	0	MOISTURE SEPARATOR REHEATER SHELL REPAIR

PLANT CHANGE/MOD REVIEWED FOR PSL1 FSAR AMENDMENT 8

NUMBER -----	REVISION -----	TITLE -----
003-1880	0	CONDENSER EXPANSION JOINT IMPINGEMENT PLATE MODIFICATION
005-188	0-1	METRASCOPE REPLACEMENT
006-188	0	RCP COOLER HEAT EXCHANGER TUBE LEAK DETECTION
007-188	0-2	RCP VIB MONIT EQUIP UPGRADE
009-188	0	EQ DOC PACK & DISCONN MOV SPACE HTRS
010-188	0	STATION AIR/INST AIR PRESS IND RPLCMNT
011-188	0	RAB/RCB WALKWAY
012-188	0	1B & 1D INSTRUMENT INVERTER DRAWING CHANGES
013-188	0-1	LIGHTING PANEL RELAY
015-188	0	ICW LUBE WATER PIPE RESTRAINT MODIFICATION
018-188	0	CONDENSATE PUMP DISCHARGE SAMPLING LINES
019-188	0	TURBINE LUBE OIL SYS/RESERVOIR PERMANENT FLUSH CONNECTIONS
020-188	0	LP 122 CKT EXCHANGE
021-188	0	D6 BUILDING DELUGE VALVES CLAPPER LATCH ASSEMBLY REPLACEMENT
022-188	0	WIRE DELETION FROM SWITCH SS-2/380
026-188	0	FLOOD PROTECTION STOP LOG #19
029-188	0-1	B.A. CONC RED DOC PAC UPDATE
031-188	0-1	RCB PROTECTIVE COATINGS MAINTENANCE
033-188	0	INSTRUMENT CHANGES FOR HUMAN FACTORS CONCERNS
035-188	0	EXTRACTION STM PIPING MATL UPGRADE
038-188	0	FDWTR REG SYS CONTROLLER REPLACEMENT
043-188	0	EQ LIST REV- SPARE PARTS
046-188	0	ED6 DWG & INSTR LIST CORRECTIONS
049-1880	0	REACTOR HEAD O-RING RETAINING RING MODIFICATION
055-1880	0	ICW & CW PUMP PACKAGE REPLACEMENT

PLANT CHANGE ORDER REVIEW FOR 1981 - APPENDIX B

NUMBER	REVISION	TITLE
007 1800	0	CONDENSATE PUMP EXHAUSTION JOINT IMPELEMENT IN AIR MODIFICATION
007 1801	0-1	INTERSCOPE REPLACEMENT
007 1802	0	LEI COOLER HEAT EXCHANGER TUBE LEAK DETECTION
007 1803	0-2	REP AND MONIT EQUIP UPGRADE
007 1804	0	EO LOG BACK & DISCONNECT MON SPACE HEAT
007 1805	0	STATION AIR PRESSURE AIR PRESSURE RELIEF
007 1806	0	LAB AND W/THWAY
007 1807	0	IN & TO INSTRUMENT INVERTED DRAWING CHANGE
007 1808	0-1	FIGHTING PANEL RELAY
007 1809	0	FOR LUBE WATER PIPE RESTRAINT MODIFICATION
007 1810	0	CONDENSATE PUMP DISCHARGE CARTRIDGE LINE
007 1811	0	TURBINE LUBE OIL SYSTEMS PERMANENT LUBRICATION
007 1812	0	LE 100 CKI EXCHANGE
007 1813	0	DE BUILDING DETECT WATER CLAPNET LATCH ASSEMBLY REPLACEMENT
007 1814	0	ALARM DETECTION FROM SWITCH CS-2490
007 1815	0	FIRED PROTECTION STOP LOG PIP
007 1816	0-1	B A LOG AND DOC PAC UPGRADE
007 1817	0-1	FOR PROTECTIVE CONTROL & MAINTENANCE
007 1818	0	INSTRUMENT CHANGES FOR HUMAN FACTORS CONCERNS
007 1819	0	EXTRACTION STEAM PIPING HATT UPGRADE
007 1820	0	FOURTH REG SYS CONTROLLER REPLACEMENT
007 1821	0	ED 101 PIV SPARE PARTS
007 1822	0	EDGE DNG & INSTR LOG CORRECTION
007 1823	0	BEARING HEAD & RING BEARING LUBE MODIFICATION
007 1824	0	ICM 2 CM PUMP PACKAGE HERRA UPGRADE

PLANT CHANGE/MOD REVIEWED FOR PSL1 FSAR AMENDMENT 8

NUMBER -----	REVISION -----	TITLE -----
059-188	0	CONDENSER INLET TUBE SHEET AND WATERBOX COATING
060-188	0	DIESEL GENERATOR GOVERNOR INSTABILITY
064-188	0	REACTOR CAVITY INFLATABLE SEAL
074-188	0	MAIN GEN LINKS MOD
075-188	0	PT INDICATION ENHANCEMENT
076-188D	0	REPLACEMENT OF PRESSURE IND PI-18-3
077-188D	0	REPLACEMENT OF FLOW TRANSMITTER FT-09-3B1
082-188	0	REPL BLDWN CONTROL VLV POSITIONERS
093-188D	0	MAIN GEN SURGE CAP REPLACEMENT
094-188	0	BORIC ACID CONCENTRATION REDUCT
104-188	0	S/U TRANSFMR 1A&1B DIFF RELAY REPLCMT
107-188	0	FUEL POOL PURIF SYS PUMPS MECH SEAL REPLACEMENT
109-188	0	CONDENSATE RECOVERY SYSTEM PUMPS MECHANICAL SEAL REPLACEMENT
111-188	0	TURBINE GLAND SEAL SYSTEM PUMPS MECHANICAL SEAL REPLACEMENT
113-188D	0	SECONDARY SIDE WET LAYUP SYS PUMPS MECH SEAL REPLACEMENT
114-188	0	DUAL CEA EXT SHAFT REPLACEMENT
115-188D	0	CONDENSER INLET WATER BOX DRAIN
117-188	0	REACTOR COOLANT PUMP CASE TO COVER GASKET REPLACEMENT
119-188	0	SAFETY INJ SYS BLANK FLANGE REMOVAL
122-188	0	ICW PRESSURE INDICATOR UPGRADE
125-188	0	CONTAINMENT FAN COOLER SHORT TERM RESTORATION
127-188	0	CONDENSATE POLISHER SYSTEM PUMPS MECHANICAL SEAL REPLACEMENT
140-188	0	STEAM GEN TUBE PLUG DESIGN
142-188	0	600V TAPING PROC
143-188	0	FIRE PUMP BKR O.L. TRIP DEV

PLANT HANDBOOK REVISED FOR 1971 - AMENDMENT 2

NUMBER	DESCRIPTION	DATE
002-188	CONDENSER INLET TUBE SHEET AND WETTEROX COATING	0
003-188	STEEL GENERATOR GOVERNOR INSTABILITY	0
004-188	REACTOR CAVITY INITIAL SLAB	0
005-188	MAIN GEN LINK HOD	0
006-188	INDICATION ENHANCEMENT	0
007-188	PLACEMENT OF PRESSURE INDICATOR	0
008-188	PLACEMENT OF FLOW TRANSMITTER	0
009-188	REACTOR CONTROL VALVE POSITIONS	0
010-188	MAIN GEN SUPPLY CAP REPLACEMENT	0
011-188	BORIC ACID CONCENTRATION REDUCT	0
012-188	2ND TRANSFER VALVE DIF RELAY CIRCUIT	0
013-188	FUEL POOL TURF SYS PUMPS MECH SEAL REPLACEMENT	0
014-188	CONDENSATE RECOVER, 2ND GEN PUMPS MECHANICAL SEAL REPLACEMENT	0
015-188	TURBINE OIL AND SEAL SYSTEM PUMPS MECHANICAL SEAL REPLACEMENT	0
016-188	SECONDARY SIDE MET LAYOUT SYS PUMPS MECH SEAL REPLACEMENT	0
017-188	DUAL OIL EX CHANG REPLACEMENT	0
018-188	CONDENSER INLET WATER BOX BRAIN	0
019-188	REACTOR COOLANT PUMP CASE TO COVER FACIT REPLACEMENT	0
020-188	SAFETY INS SYS BANK CHANGE REMOVAL	0
021-188	LOW PRESSURE INDICATOR UPGRADE	0
022-188	CONTAINMENT FAN COOLER SHORT TERM RELIEF	0
023-188	CONDENSATE FOLIOHER SYSTEM PUMPS MECHANICAL SEAL REPLACEMENT	0
024-188	CLEAN GEN TUBE PUMP DESIGN	0
025-188	GOVT TAPING PROGRAM	0
026-188	REACTOR BRK O L TRIP DIV	0

PLANT CHANGE/MOD REVIEWED FOR PSL1 FSAR AMENDMENT 8

NUMBER	REVISION	TITLE
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158-188	0	RCB EQUIP HATCH DOOR OPER DWG
159-188D	0	38 INCH STEAM GENERATOR NOZZLE DAM SEALS
161-188D	0	MAIN STEAM NOZZLE BLOCK DRAIN PIPE REPLACEMENT
162-188	0	TURBINE DRAIN VLV REPLACEMENT
165-188	0	ITT BARTON TRANSMITTER REPLACEMENT
167-188	0	MFWTR VLVS SPRING RETAINER
170-188	0	IN-CORE INSTRUMENT THIMBLE FLANGE REPLACEMENT
171-188	0	IN-CORE INSTRUMENT THIMBLE FLANGE REPLACEMENT
175-188D	0	MISC. SNUBBER MODIFICATIONS
177-188D	0	MISC. SNUBBER UPGRADE
178-188D	0	ICW LUBE WATER FLANGE REPLACEMENT
179-188D	0	AFW PIPE & RESTRAINT CORROSION
180-188D	0	FEEDWATER FLOW INST LIST RANGE CORRECTION
181-188D	0	FWRV TECH MANUAL UPDATE TO REFLECT SNUBBER INSTALL
183-188D	0	RCP SEAL CARTRIDGE O-RING PART NUMBER CHANGE
188-188D	0-1	SS/996 REPLACEMENT FOR 1B DIESEL GENERATOR
200-188D	0	THROTTLED VALVE CWD LS DEV
205-188D	0	ADD SETPOINT INFO OR RPS TO SETPOINT INDEX
210-188D	0	I&C VENDOR MANUAL UPDATE (1988)
217-188	0	600V CABLE SPLICES
220-188D	0	PACIFIC VLV 20" CHECK VLV HINGE MATL CHG
221-188D	0	ZURN STRAINER MODEL 595A PART NUMBER CHANGE
242-188D	0	VELAN VALVE PARTS MATERIAL CHANGES HCV3615
245-188D	0	CHECK VALVE FEED FROM SHUTDOWN HTEXCH 1A 1B SEAL MAT CHNG
246-188D	0	PORV LOWER SEAL BUSHING GASKET V1402, V1404

PLANT CHANGE ORDER REVIEW FOR 1982 PLACEMENT

ORDER NUMBER	DESCRIPTION	PLACEMENT DATE
240-1880	REPLACE 2" STEEL BUSHING GASKET	0
241-1880	CHECK VALVE FOR SHUTDOWN WITH 1/2" NPT	0
42-1880	VALVE VALVE TIGHTENING CHANGES	0
211-1880	2" IN STRAINER MODEL 252A PART NUMBER CHANGE	0
229-1880	PACIFIC 2" CO CHECK VALVE WITH GHS	0
212-1880	2" COV GASKET SETS	0
180-1880	180 VIBRATOR MANUAL UPDATE (1982)	0
202-1880	ADD STOPPINI INFO OR REF TO STOPPINI INDEX	0
200-1880	THROTTLED VALVE CVD 1.5 DEN	0
180-1880	2500K REFLACMENT FOR 1B DIESEL GENERATOR	0-1
180-1880	2" COV CARTRIDGE O-RING PART NUMBER CHANGE	0
180-1880	ERKY TECH MANUAL UPDATE TO DELTIC RUBBER INSTALL	0
180-1880	LEADWATER FLOW FIRST RANGE CORRECTION	0
229-1880	AIN PIP & TREATMENT CORROSION	0
129-1880	ION LUBI WATER FLANGE PLACEMENT	0
127-1880	MING GASKET UPGRADE	0
127-1880	MING GASKET MODIFICATION	0
120-1880	IN-CORE INSTRUMENT THINWALL FLANGE PLACEMENT	0
101-1880	MIRIR VALV SPRING RETAINER	0
100-1880	1" IT BARGON TRANSMITTER REPLACEMENT	0
100-1880	TURBINE ORAIN VALV REPLACEMENT	0
101-1880	MAIN STEAM NOZZLE BLOCK DRAIN PIP REPLACEMENT	0
129-1880	2" HIGH STEAM GENERATOR NOZZLE DON SEALS	0
129-1880	RGB EQUIP HATCH DOOR ODR DGE	0

PLANT CHANGE/MOD REVIEWED FOR PSL1 FSAR AMENDMENT 8

NUMBER -----	REVISION -----	TITLE -----
285-188D	0	BETA ANNUNCIATOR INST MANUAL
330-188D	0	FT-3321 CWD CHANGE
335-188D	0	SAS POWER FEED CWD CHANGE
084-985	0-2	UPGRADE OF NORTH WASTE WATER TREATMENT FACILITY
087-985	0	HYPOCHLORITE CELL FLUSH SYSTEM
171-985	0	HYPOCHLORITE SYSTEM INSTRUMENT ENHANCEMENT
199-985	1	WATER TRTMNT PLT REGENTN WSTE NEUTRLZTN TANK MOD-BOOSTER PMP
012-986	0	WPT GROUND EROSION REPAIRS
020-986	0	INTAKE CANAL DREDGING AND SLOPE RESTORATION
039-986	0	BLOWDOWN BUILDING RADIATION MONITORING SYSTEM
111-986	0-1	SIMULATOR TRAINING FACILITY PIPING TIE-INS
032-988	0	SECURITY BLDGS ENHANCEMENTS
095-988	0	S6BTF MONITOR STORAGE TANKS-VENT STACK REPLACEMENT
186-988	0	S6 BLOWDOWN TREATMENT FACILITY SYSTEM PUMPS MECH SEAL RPLMT
137-988	0	GENERATOR RETAINING RINGS REPLACEMENT
164-988D	0	REPAIR OF FIRE PROT LINE 6"-FP-153
298-988	0	REMOVAL OF FORMS BLDG FROM SECURITY PERIMETER

