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ACCESSION NBR: 8112070322 DOC. DATE: 81/12/07 NOTARIZED: NO  
 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.  
 AUTH. NAME: AUTHOR AFFILIATION  
 UHRIG, R.E. Florida Power & Light Co.  
 RECIPIENT AFFILIATION  
 EISENHUT, D.G. Division of Licensing

DOCKET #  
05000389

SUBJECT: Forwards rept of const/start-up progress for Oct 1981 & revised rept for Sept 1981.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3  
 TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES:

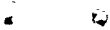
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	ID CODE/NAME		LTTR	ENCL	ID CODE/NAME		LTTR	ENCL
	A/D LICENSNG		1	0	LIC BR #3 BC		1	0
	LIC BR #3 LA		1	0	NERSES, V. 01		1	1
	<del>NERSES, V. 04</del>		<del>1</del>	<del>1</del>				
INTERNAL:	ELD		1	0	EMRG PRP DEV 35		1	1
	EMRG PRP LIC 36		3	3	FEMA-REP DIV 39		1	1
	IE 06		3	3	IE/DEP/EPDB 35		1	1
	IE/DEP/EPLB 36		3	3	MPA		1	0
	NRR/DE/CEB 11		1	1	NRR/DE/eqB 13		3	3
	NRR/DE/GB 28		2	2	NRR/DE/HGEB 30		2	2
	NRR/DE/MEB 18		1	1	NRR/DE/MTEB 17		1	1
	NRR/DE/QAB 21		1	1	NRR/DE/SAB 24		1	1
	NRR/DE/SEB 25		1	1	NRR/DHFS/HFEB40		1	1
	NRR/DHFS/LQB 32		1	1	NRR/DHFS/QUB 34		1	1
	NRR/DHFS/PTRB20		1	1	NRR/DSI/AEB 26		1	1
	NRR/DSI/ASB 27		1	1	NRR/DSI/CPB 10		1	1
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	<u>REG FILE</u> 01		1	1	<del>REG FILE 04</del>		<del>1</del>	<del>1</del>
EXTERNAL:	ACRS 41		16	16	BNL (AMDTS ONLY)		1	1
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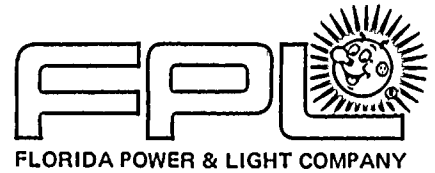
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December 1, 1981  
L-81-503

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  
Construction/Start-up Progress Update



Attached is a report of the construction/start-up progress for St. Lucie Unit 2 for October, 1981. Also attached is a revised copy of the report for September, 1981, which corrects typographical errors in the start-up program status. If you have any questions regarding the attached information, or would like additional information from Florida Power & Light Company (FPL), please feel free to call me or Mr. W.B. Derrickson, the St. Lucie Unit 2 Project General Manager (305) 552-4659. This submittal supersedes letter L-81-488 dated November 19, 1981.

Very truly yours,

Robert E. Uhrig  
Vice President  
Advanced Systems and Technology

REU/TCG/mm

cc: William H. Lovelace, Office Management & Program Analysis  
U.S. Nuclear Regulatory Commission

J.P. O'Reilly, Director, Region II

Harold F. Reis, Esquire

Boo!  
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FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE UNIT 2 CONSTRUCTION/STARTUP  
MONTHLY STATUS REPORT

CURRENT PERIOD: September, 1981

SCHEDULE STATUS: Overall Project 79.4  
Construction/Start-up 76.1  
Critical Path Variance -9.0  
Target Fuel Load Date 10/29/81

MAJOR WORK HIGHLIGHTS:

	<u>SCHEDULED</u>	<u>ACTUAL</u>
1. Complete Turbine Lube Oil (system 27) Turnover	8/08/81	9/14/81
2. Complete Primary Water (system 45) Turnover	8/28/81	9/24/81
3. Complete Partial Intake Cooling Water (system 5) Turnover	7/14/81	9/08/81
4. Start Flexure Weld on Reactor Vessel (core shroud/support)	9/21/81	9/15/81
5. Complete Setting RC Motors in Position	9/04/81	9/17/81
6. Complete Security Building Roof Placements	9/21/81	9/18/81
7. Complete Preparations for Turbine Lube Oil Flush	9/01/81	9/11/81
8. Initial Run of Intake Cooling Water Pump 2C	9/25/81	9/23/81

BULK QUANTITY STATUS:

	<u>TOTAL TO DATE</u>		<u>CURRENT MONTH QUANTITY</u>	<u>AVERAGE MONTHLY INSTAL. RATE (QTY./MO.)</u>	
	QUANTITY	PERCENT	9/31/81	9/81 TO DATE	10% - 90% FORECASTED
Concrete (cy)	133,164	97.5		ESSENTIALLY COMPLETE	
Large Bore Piping (lf)	72,064	92.2		ESSENTIALLY COMPLETE	
Small Bore Piping (lf)	67,922	74.1	3,171	4,200	4,400
Instrument Tubing (lf)	59,449	58.2	3,277	4,100	4,155
Large Bore Hangers (ea)	2,783	65.3	104	100	135
Whipping Restraints (tn)	457	77.7	28	30	25
Cable Tray (lf)	37,706	96.5		ESSENTIALLY COMPLETE	
Conduit (Exp., Emb., U/D) (lf)	289,951	81.6	8,725	7,270	7,700
Lighting Conduit (lf)	90,934	81.0	1,472	2,350	2,060
Power Cable Pull (lf)	391,800	69.1	9,233	27,930	25,215
Control Cable Pull (Inc. Comm.) (lf)	1,292,229	59.5	73,445	107,490	90,790
Signal Cable Pull (lf)	396,673	30.0	61,547	37,800	44,455
Terms - Pwr. Hi (ea)	401	73.2	55	30	25
Terms - Pwr. Lo (ea)	5,821	69.6	259	550	315
Terms - Control (ea)	29,921	40.1	2,373	2,810	3,480
Terms - Signal (ea)	6,257	11.9	1,239	1,010	3,535

START-UP PROGRAM STATUS:

	<u>SCHEDULED TO DATE</u>	<u>COMPLETED TO DATE</u>	<u>SCHEDULE. FOR MONTH</u>	<u>CURRENT MONTH</u>	<u>TOTAL REQUIRED</u>
Preoperational Test Proceed;	201	193	13	5	201
System Turnovers (PTO)	160	130	42	26	233
System Turnovers (CTO)	37	25	19	5	161
Preoperational Tests Performed	13	3	6	0	201



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FLORIDA POWER & LIGHT COMPANY  
ST. LUCIE UNIT 2 CONSTRUCTION/STARTUP  
MONTHLY STATUS REPORT

CURRENT PERIOD: October 1981

SCHEDULE STATUS: Overall Project 80.8  
Construction/Start-up 77.6  
Critical Path Variance -3.0  
Target Fuel Load Date 10/28/82

MAJOR WORK HIGHLIGHTS:

	<u>SCHEDULED</u>	<u>ACTUAL</u>
1. Started machining Reactor Vessel internal alignment keys	11/06/81	10/12/81
2. Completed Diesel Generator 2A (sys. 53A) turnover	10/13/81	10/23/81
3. Completed Ocean Discharge Pipe Installation (Kiewit)	11/25/81	10/14/81
4. Completed HVAC for Control Room (sys 87-1) turnover	10/15/81	10/28/81
5. Completed Fuel Oil (system 52) turnover	08/01/81	10/21/81
6. Completed Diesel Generator 2B (system 53B) turnover	10/13/81	11/03/81
7. Set and align Reactor Head	11/02/81	10/06/81

BULK QUANTITY STATUS:

	<u>TOTAL</u>		<u>CURRENT</u>	<u>AVERAGE MONTHLY</u>	
	<u>TO DATE</u>	<u>QUANTITY</u>	<u>MONTH</u>	<u>INSTAL. RATE (QTY./MO.)</u>	
<u>QUANTITY</u>	<u>PERCENT</u>	<u>10/31/81</u>	<u>10/81</u>	<u>TO DATE</u>	<u>FORECASTED</u>
Concrete (cy)	134,507	97.5	ESSENTIALLY COMPLETE		
Large Bore Piping (lf)	72,740	93.1	ESSENTIALLY COMPLETE		
Small Bore Piping (lf)	70,576	73.5	2,654	4,080	4,400
Instrument Tubing (lf)	63,603	62.1	4,154	4,100	4,155
Large Bore Hangers (ea)	2,847	66.7	64	100	135
Whipping Restraints (tn)	462	78.3	5	25	25
Cable Tray (lf)	37,781	96.5	ESSENTIALLY COMPLETE		
Conduit (Exp., Emb., U/D) (lf)	297,418	83.6	7,467	7,270	7,700
Lighting Conduit (lf)	92,689	81.6	1,755	2,320	2,060
Power Cable Pull (lf)	379,906	67.0	(11,894)**	24,860	25,215
Control Cable Pull (Inc. Comm.) (lf)	1,310,505	60.3	18,276	99,380	90,790
Signal Cable Pull (lf)	443,010	33.5	46,337	38,860	44,455
Terms - Pwr Hi (ea)	425	77.6	24	30	25
Terms - Pwr Lo (ea)	6,199	74.1	378	540	315
Terms - Control (ea)	31,476	42.2	1,555	2,670	3,480
Terms - Signal (ea)	6,935	13.2	678	840	3,535

START-UP PROGRAM STATUS:

	<u>SCHEDULED</u>	<u>COMPLETED</u>	<u>SCHEDULE</u>	<u>CURRENT</u>	<u>TOTAL</u>
	<u>TO DATE</u>	<u>TO DATE</u>	<u>FOR MONTH</u>	<u>MONTH</u>	<u>REQUIRED</u>
Preoperational Test Proced.	200	193	7	0	200
System Turnovers (PTO)	171	144*	34	25*	233
System Turnovers (CTO)	46	27*	12	4*	160
Preoperational Tests Performed	15	4	2	1	200

NOTE:\* INCLUDES TURNOVER PACKAGE IN SIGNOFF CIRCUIT

\*\* DUE TO EMS/PQMR RECONCILIATION