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FACIL:50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
AUTH.NAME AUTHOR AFFILIATION
UHRIG,R.E. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
EISENHUT,D.G. Division of Licensing

SUBJECT: Forwards const/startup progress repts for Nov & Dec 1982.

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FLORIDA POWER & LIGHT COMPANY

January 24, 1983
L-83-32

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 are the reports of the construction/start-up progress for St. Lucie Unit 2 for the months of November and December 1982. 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 W. B. Derrickson, the St. Lucie Unit 2 Project General Manager (305) 863-3044.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/RJS/cab

Attachment

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

J. P. O'Reilly, Regional Administrator, Region II

Harold F. Reis, Esquire

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

CURRENT PERIOD: November 1982

SCHEDULE STATUS:

OVERALL PROJECT	Percent complete not applicable
CONSTRUCTION/STARTUP	at this stage of project
CRITICAL PATH VARIANCE	14.0
TARGET FUEL LOAD DATE	10/28/82 (Original Schedule)

MAJOR WORK HIGHLIGHTS:

		SCHEDULED	ACTUAL
1.	Completed Hot Operational Testing of Plant	8/03/82	11/16/82
2.	Commenced ILRT	8/27/82	11/24/82
3.	Completed ILRT	9/02/82	12/02/82
4.	RCB Maintenance Hatch Door set on it's rails	11/01/82	11/05/82
5.	Completed the Dry Storage Warehouse roof installation	12/03/82	11/23/82
6.	CBI completed weldout of the Containment Vessel Dollar Plate	11/30/82	11/20/82

BULK QUANTITY STATUS

	TOTAL QTY INSTALLED TO DATE	QTY PERCENT COMPLETE TO DATE	AVERAGE MONTHLY INSTAL. RATE (QTY/MO) 10%-90% CURRENT MONTH	10/28 TO DATE	FORECASTED
Concrete (cy)	140,411	99.4	83	ESSENTIALLY COMPLETE	
Large Bore Piping (lf)	78,978	98.4	604	ESSENTIALLY COMPLETE	
Small Bore Piping (lf)	92,285	96.3	3,880	ESSENTIALLY COMPLETE	
Instrument Tubing (lf)	112,116	92.7	1,421	ESSENTIALLY COMPLETE	
Large Bore Hangers (ea)	3,920	88.8	74	90	135
Whipping Restraints (tn)	539	93.6	-	ESSENTIALLY COMPLETE	
Cable Tray (lf)	39.828	95.6	-	ESSENTIALLY COMPLETE	
Conduit (Exp., Emb., U/D) (lf)	398,357	95.0	8,351	ESSENTIALLY COMPLETE	
Lighting Conduit (lf)	112,447	93.6	532	ESSENTIALLY COMPLETE	
Power Cable Pull (lf)	509,586	90.2	4,506	ESSENTIALLY COMPLETE	
Control Cable Pull Inc. Comm. (lf)	2,047,714	88.2	44,235	75,650	90,790
Signal Cable Pull (lf)	1,144,207	86.7	68,455	48,200	44,455
Terms - Pwr Hi (ea)	483	97.8	-	ESSENTIALLY COMPLETE	
Terms - Pwr Lo (ea)	11,929	91.7	122	ESSENTIALLY COMPLETE	
Terms - Control (ea)	54,865	81.9	1,904	2,190	3,480
Terms - Signal (ea)	26,074	80.2	1,799	1,520	3,535

START-UP PROGRAM STATUS

	SCHEDULED TO DATE	CURRENT MONTH	SCHEDULE FOR MONTH	COMPLETED TO DATE	TOTAL REQUIRED
System Turnover (PTO)	311#	26	44	293	317
System Turnover (CTO)	132#	19*	24	122	161
Preoperational Test Procedures	223	4	4	185	223
Preoperational Test Performed	211	15/89**	183	43	223

#NOTE: INFORMATION CURRENT AS OF PROJECT SCHEDULE DATED 11/30/82
*NOTE: INCLUDES PACKAGES IN SIGN-OFF CIRCUIT
**NOTE: INCLUDES PREOPERATIONAL TEST IN PROGRESS, AT THE END OF NOVEMBER THERE ARE 125 PREOPERATIONAL TESTS COMPLETED DUE TO THE COMPLETION OF HOT-FUNCTIONAL TEST ILRT AND THE LLRT, FINAL REVIEW AND SIGN OFF TO BE COMPLETED.

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE UNIT 2 CONSTRUCTION/START-UP
MONTHLY STATUS REPORT

CURRENT PERIOD: DECEMBER 1982

SCHEDULE STATUS:

OVERALL PROJECT CONSTRUCTION/STARTUP	* Percent complete not applicable at this stage of project
CRITICAL PATH VARIANCE	21.0
TARGET FUEL LOAD DATE	10/28/82 (Original Schedule) A re-evaluation of the project schedule, just completed, places the current fuel load at March 23, 1983

MAJOR WORK HIGHLIGHTS:

	SCHEDULED	ACTUAL
1. Placed RCB dome cap	12/03/82	12/03/82
2. Started placing RCB ILRT blockout concrete	12/06/82	12/08/82
3. Completed setting MST missile protection steel	12/22/82	12/22/82
4. Completed all structural work for the "Dry Storage Warehouse"	2/01/83	12/21/82
5. New fuel receipt and storage started	12/01/82	12/01/82

BULK QUANTITY STATUS

	TOTAL QTY INSTALLED TO DATE	QTY PERCENT COMPLETE TO DATE	AVERAGE MONTHLY INST. RATE (QTY/MO) 10%-90% CURRENT MONTH	10/28 TO DATE	FORECASTED
Concrete (cy)	140,828	99.6	417	ESSENTIALLY COMPLETE	
Large Bore Piping (lf)	79,925	99.6	947	ESSENTIALLY COMPLETE	
Small Bore Piping (lf)	92,415	96.3	130	ESSENTIALLY COMPLETE	
Instrument Tubing (lf),	115,799	94.7	3,683	ESSENTIALLY COMPLETE	
Large Bore Hangers (ea)	4,118	93.3	198	ESSENTIALLY COMPLETE	
Whipping Restraints	539	93.6	-	ESSENTIALLY COMPLETE	
Cable Tray (lf)	39,928	98.6	100	ESSENTIALLY COMPLETE	
Conduit (Exp.,Emb.,U/D)(lf)	410,132	95.3	11,775	ESSENTIALLY COMPLETE	
Lighting Conduit	113,508	94.5	1,061	ESSENTIALLY COMPLETE	
Power Cable Pull (lf)	523,161	93.8	13,575	ESSENTIALLY COMPLETE	
Control Cable Pull (Inc. Comm.) (lf)	2,104,284	93.6	56,570	ESSENTIALLY COMPLETE	
Signal Cable Pull (lf)	1,209,397	91.5	65,190	ESSENTIALLY COMPLETE	
Terms - PWR HI (ea)	483	97.8	--	ESSENTIALLY COMPLETE	
Terms - PWR LO (ea)	12,086	92.9	157	ESSENTIALLY COMPLETE	
Terms - CONTROL (ea)	56,697	84.6	1,832	2,170	3,480
Terms - SIGNAL (ea)	28,689	88.3	2,615	1,590	3,535

START-UP PROGRAM STATUS:

	SCHEDULED TO DATE	COMPLETED TO DATE	SCHEDULED PER MONTH	CURRENT MONTH	TOTAL REQUIRED
System Turnover (PTO)	317#	305	27	17*	319
System Turnover (CTO)	145#	131	26	12*	162
Preoperational Test Procedures	216	215	1	0	216
Preoperational Test Performed	214	54	171	12/88**	216

#NOTE: INFORMATION CURRENT AS OF PROJECT SCHEDULE DATED 12/31/82
*NOTE: INCLUDES PACKAGES IN SIGN-OFF CIRCUIT
**NOTE: INCLUDES PREOPERATIONAL TESTS IN PROGRESS, 125 PREOPERATIONAL TESTS WERE PERFORMED DURING THE HOT OPS MILESTONE. SOME OF THESE ARE WAITING ON CLEARING UP EXCEPTIONS TO TOTALLY CLOSE OUT THE PREOP.