



**Florida  
Power**  
CORPORATION

Crystal River Unit 3  
Docket No. 59-302

December 12, 1990  
3F1290-11

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Subject: Monthly Operating Report

Dear Sir:

Attached is the Crystal River Unit 3 November 1990 Monthly Operating Report.  
This report is submitted in accordance with Technical Specification 6.9.1.6.

Sincerely,

G. L. Boldt, Vice President  
Nuclear Production

/wla

Attachment

xc: Regional Administrator, Region II  
Senior Resident Inspector

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# OPERATING DATA REPORT

DOCKET NO. 50-302  
 UNIT FLCRP-3  
 DATE December 04, 1990  
 COMPLETED BY R. L. McLaughlin  
 TELEPHONE (904) 795-6486

**OPERATING STATUS**

1. UNIT NAME: CRYSTAL RIVER UNIT 3
2. REPORTING PERIOD: November 1-30, 1990
3. LICENSED THERMAL POWER (Mwt): 2544
4. NAMEPLATE RATING (GROSS MWe): 890
5. DESIGN ELECTRICAL RATING (Net MWe): 825
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe): 860
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe): 821
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:  
N/A
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWe): N/A
10. REASONS FOR RESTRICTIONS, IF ANY: N/A

	THIS MONTH	Yr. TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	<u>720.0</u>	<u>8,016.0</u>	<u>120,264.0</u>
12. NUMBER OF HOURS REACTOR WAS CRITICAL	<u>683.3</u>	<u>4,997.5</u>	<u>76,055.2</u>
13. REACTOR RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>1,280.6</u>
14. HOURS GENERATOR ON-LINE	<u>666.1</u>	<u>4,850.8</u>	<u>74,437.5</u>
15. UNIT RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,504,975.0</u>	<u>11,456,828.0</u>	<u>168,114,364.0</u>
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>515,027.0</u>	<u>3,881,425.0</u>	<u>57,409,592.0</u>
18. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>488,370.0</u>	<u>3,686,825.0</u>	<u>54,518,457.0</u>
19. UNIT SERVICE FACTOR	<u>92.5%</u>	<u>60.5%</u>	<u>61.9%</u>
20. UNIT AVAILABILITY FACTOR	<u>92.5%</u>	<u>60.5%</u>	<u>61.9%</u>
21. UNIT CAPACITY FACTOR (Using MDC net)	<u>82.6%</u>	<u>56.0%</u>	<u>56.3%</u>
22. UNIT CAPACITY FACTOR (Using DER net)	<u>82.2%</u>	<u>55.7%</u>	<u>54.9%</u>
23. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>4.2%</u>	<u>20.6%</u>
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (Type, Date, and Duration of Each): <u>NA</u>			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

THIS ITEM IS NOT APPLICABLE TO CR-3

	FORECAST	ACHIEVED
INITIAL CRITICALITY	<u>NA</u>	<u>NA</u>
INITIAL ELECTRICITY	<u>NA</u>	<u>NA</u>
COMMERCIAL OPERATION	<u>NA</u>	<u>NA</u>

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-302  
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 TELEPHONE (904) 795-6486

MONTH NOVEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWE-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>491</u>	17	<u>779</u>
2	<u>830</u>	18	<u>856</u>
3	<u>829</u>	19	<u>826</u>
4	<u>832</u>	20	<u>826</u>
5	<u>832</u>	21	<u>824</u>
6	<u>823</u>	22	<u>827</u>
7	<u>827</u>	23	<u>828</u>
8	<u>827</u>	24	<u>828</u>
9	<u>737</u>	25	<u>827</u>
10	<u>607</u>	26	<u>827</u>
11	<u>437</u>	27	<u>925</u>
12	<u>414</u>	28	<u>816</u>
13	<u>0</u>	29	<u>498</u>
14	<u>270</u>	30	<u>75</u>
15	<u>774</u>		
16	<u>556</u>		

**INSTRUCTIONS:**

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER

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No.	Date	Type <sup>1</sup>	Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent
90-18	901101	S	0.0	B	5	N/A	EB	TRANSF	Reduced power to support repairs to step-up transformer control power supply.
90-19	901109	F	0.0	A	5	N/A	RB	CONROD	Control rod 7-4 became unlatched and inserted into the core three times during a 24 hr. period. Decision was made to open breakers and repair stator on 11/13/90.
90-20	901113	S	34.5	B	1	N/A	RB	CONROD	Repaired stator on control rod 7-4.
90-21	901115	F	0.0	B	5	N/A	HH	VALVEX	Reduced power to repair leaking weld upstream of FWV-76.
90-22	991117	F	0.0	B	5	N/A	HH	VALVEX	Reduced power to repair leaking weld upstream of FWV-76.
90-23	901128	S	0.0	B	5	N/A	HC	HTEXCH	Reduced power to repair amertap system in "C" waterbox.
90-24	901129	S	19.4	B	1	N/A	CJ	VALVEX	Entered mode "3" to allow RB entrance in order to backseat RCV-13 (leakage).

1  
 F: Forced  
 S: Scheduled

2  
 Reason:  
 A-Equipment Failure  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

3  
 Method  
 1-Manual  
 2-Manual Scram  
 3-Auto Scram  
 4-Continued  
 5-Reduced Load  
 9-Other

4  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5  
 Exhibit I - Same Source

## MONTHLY OPERATIONAL SUMMARY STATEMENT

DOCKET NO.	<u>50-302</u>
UNIT	<u>FLCRP-3</u>
DATE	<u>December 04, 1990</u>
COMPLETED BY	<u>R. L. McLaughlin</u>
TELEPHONE	<u>(904) 795-6486</u>

MONTH: NOVEMBER

### SUMMARY STATEMENT:

Crystal River Unit 3 reduced power on November 1, 1990 to support repairs to the step-up transformer control power supply.

On November 9, control rod 7-4 became unlatched and inserted into the core three times in a 24 hour period. On November 13, the decision was made to open breakers and repair the stator.

On November 15 and 17, power was reduced to repair a leaking weld upstream of valve FWV-76.

On November 28, power was reduced to repair the Amertap system in "C" waterbox.

On November 29, the plant entered mode "3" to backseat RCV-13 inside the Reactor Building in order to reduce/eliminate RCS leakage.