



**Florida  
Power**  
CORPORATION  
Crystal River Unit 3  
Docket No. 50-302

January 10, 1992  
3F0192-07

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

Subject: Monthly Operating Report

Dear Sir:

Attached is the Crystal River Unit-3 December 1991 Monthly Operating Report. This report is submitted in accordance with Technical Specification 6.9.1.6.

Sincerely,

G. L. Boldt  
Vice President  
Nuclear Production

GLB:JBC/ff

Attachment

xc: Regional Administrator, Region II  
Senior Resident Inspector  
NRR Project Manager

# OPERATING DATA REPORT

DOCKET NO.	50-302
UNIT	FLCRP-3
DATE	January 03, 1992
COMPLETED BY	R. L. McLaughlin
TELEPHONE	(904) 795-6486

## OPERATING STATUS

- |   |                      |
|---|----------------------|
| 1. UNIT NAME:.....  | CRYSTAL RIVER UNIT 3 |
| 2. REPORTING PERIOD:.....   | DECEMBER 1-31, 1991  |
| 3. LICENSED THERMAL POWER (MW):.....  | 2544                 |
| 4. NAMEPLATE RATING (GROSS MWe):.....   | 890                  |
| 5. DESIGN ELECTRICAL RATING (NET MWe):.....   | 825                  |
| 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MW):.....   | 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: |                      |

NA

- |   |     |
|---|-----|
| 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	744.0	6,760.0	129,768.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	353.5	7,187.2	83,830.0
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,280.6
14. HRS GENERATOR ON LINE	352.0	7,137.6	82,147.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	936,932	16,830,441	186,334,647
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	324,380	5,734,432	63,622,897
18. NET ELECTRICAL ENERGY GENERATED (MWH)	309,599	5,457,189	60,431,739
19. UNIT SERVICE FACTOR	47.3%	81.5%	63.3%
20. UNIT AVAILABLE FACTOR	47.3%	81.5%	63.3%
21. UNIT CAPACITY FACTOR (using MDC net)	50.7%	75.9%	57.7%
22. UNIT CAPACITY FACTOR (using DER net)	50.4%	75.5%	56.4%
23. UNIT FORCED OUTAGE RATE	52.7%	6.9%	19.4%

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):

Refuel 8 commencing on 4/30/92; duration of 56 days.

- |   |                |
|---|----------------|
| 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                                 |                |
| INITIAL CRITICALITY   | FORECAST<br>NA |
| INITIAL ELECTRICITY   | ACHIEVED<br>NA |
| COMMERCIAL OPERATION  | FORECAST<br>NA |
|   | ACHIEVED<br>NA |

# AVERAGE DAILY UNIT POWER LEVEL

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MONTH DECEMBER

DAY      AVERAGE DAILY POWER LEVEL  
            (MWe-Net)

1	842
2	838
3	42
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY      AVERAGE DAILY POWER LEVEL  
            (MWe-Net)

17	0
18	283
19	796
20	838
21	838
22	843
23	843
24	843
25	842
26	843
27	842
28	842
29	842
30	841
31	842

**INSTRUCTIONS:**

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

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-302  
 UNIT FLCRP-3  
 DATE January 03, 1992  
 COMPLETED BY R. L. McLaughlin  
 TELEPHONE (904) 795-6486

REPORT MONTH: DECEMBER

NO.	DATE	TYPE (1)	DURATION HOURS	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
91-42	911202	F	0	A	5	N/A	IA	INSTRU	Unit commenced power reduction to investigate failed Power Range Nuclear Instrumentation Channel NI-8.
91-43	911203	F	144.8	G	3	91-017	IA	INSTRU	Reactor trip on high RCS pressure due to a feedwater transient. A misunderstanding of the ICS response to placing a test module in the "test/operate" position with a failed NI (above) is considered root cause. Plant operating procedures are being revised to warn of this possibility.
91-44	911208	F	247.2	A	3	91-018	CJ	VALVEX	Reactor trip on low RCS pressure due to Pressurizer Spray Valve RCV-14 failure to close. RCV-14 position indication also failed. Maintenance procedure has been revised to prevent recurrence.

1  
 F: FORCED  
 S: SCHEDULED

2  
 REASON:  
 A-EQUIPMENT FAILURE  
 B-MAINTENANCE OR TEST  
 C-REFUELING  
 D-REGULATORY RESTRICTION  
 E-OPERATOR TRAINING & LICENSE ADMINISTRATION  
 F-ADMINISTRATION  
 G-OPERATIONAL ERROR (EXPLAIN)  
 H-OTHER

3  
 METHOD:  
 1-MANUAL  
 2-MANUAL SCRAM  
 3-AUTO SCRAM  
 4-CONTINUED  
 5-REDUCED LOAD  
 6-OTHER

4  
 EXHIBIT G - INSTRUCTIONS FOR PREPARATION OF DATA ENTRY SHEETS FOR LICENSEE EVENT REPORT (LER) FILE (NUREG-0181)

5  
 EXHIBIT I - SAME SOURCE

## MONTHLY OPERATIONAL SUMMARY STATEMENT

DYCKET NO.	<u>50-302</u>
UNIT	<u>FLCRP-3</u>
DATE	<u>January 03, 1992</u>
COMPLETED BY	<u>R. L. McLaughlin</u>
TELEPHONE	<u>(904) 795-6486</u>

MONTH: DECEMBER

### SUMMARY STATEMENT:

Crystal River Unit 3 operated for approximately 50 percent of the month of December, 1991. Two Reactor trips were encountered during the month; the first on high RCS pressure due to a Feedwater transient related to a failed Nuclear Instrument (NI-8), and the second on low RCS pressure due to a failure of the Pressurizer Spray Valve RCV-14 to close with a related failure of its position indication. Maintenance and Operating Procedures have been revised as necessary to prevent recurrence of these incidents.