



**Florida
Power**
CORPORATION

Crystal River Unit 3
Docket No. 50-307

May 13, 1991
3F0591-03

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

Subject: Monthly Operating Report

Dear Sir:

Attached is the Crystal River Unit 3 April 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

/wla

Attachment

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

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A Florida Progress Company

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OPERATING DATA REPORT

DOCKET NO.	50-302
UNIT	FLCRP-3
DATE	MAY 03, 1991
COMPLETED BY	R. L. McLaughlin
TELEPHONE	(904) 795-6486

OPERATING STATUS

- UNIT NAME:..... CRYSTAL RIVER UNIT 3
- REPORTING PERIOD:..... APRIL 1-30, 1991
- LICENSED THERMAL POWER (MW):..... 2544
- NAMEPLATE RATING (GROSS MWe):..... 890
- DESIGN ELECTRICAL RATING (NET MWe):..... 825
- MAXIMUM DEPENDABLE CAPACITY (GROSS MWe):... 860
- MAXIMUM DEPENDABLE CAPACITY (NET MWe):..... 821
- IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:

NA

- POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWe): N/A
- REASONS FOR RESTRICTIONS, IF ANY: N/A

	THIS MONTH	YR. TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	719.0	2,879.0	123,887.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	657.0	2,817.0	79,465.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,280.6
14. HRS GENERATOR ON LINE	651.6	2,811.6	77,821.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1,239,968	6,590,849	176,095,055
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	417,187	2,268,670	60,157,135
18. NET ELECTRICAL ENERGY GENERATED (MWH)	393,239	2,160,109	57,134,659
19. UNIT SERVICE FACTOR	90.6%	97.7%	62.8%
20. UNIT AVAILABLE FACTOR	90.6%	97.7%	62.8%
21. UNIT CAPACITY FACTOR (using MDC net)	66.6%	91.4%	57.2%
22. UNIT CAPACITY FACTOR (using DER net)	66.3%	90.9%	55.9%
23. UNIT FORCED OUTAGE RATE	9.4%	2.3%	19.9%

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

N/A

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

- UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

THIS ITEM IS NOT APPLICABLE TO CR-3

	FORECAST	ACHIEVED
INITIAL CRITICALITY	NA	NA
INITIAL ELECTRICITY	NA	NA
COMMERCIAL OPERATION	NA	NA

AVERAGE DAILY UNIT POWER LEVEL

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MONTH APRIL

DAY AVERAGE DAILY PCWER LEVEL
(MWe-Net)

1	603
2	576
3	579
4	580
5	579
6	575
7	595
8	461
9	349
10	367
11	402
12	402
13	612
14	616
15	597
16	567

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	570
18	572
19	491
20	100
21	0
22	0
23	542
24	757
25	734
26	839
27	839
28	837
29	836
30	834
31	

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

REPORT MONTH: APRIL

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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
91-05	910401	S	0.0	B	5	N/A	HF	PUMPXX	Reduced load to 75% to refurbish CWP-1C impeller and turning vane.
91-06	910408	F	0.0	A	5	N/A	HB	VALVEX	Reduced load to 38% to mitigate MSV-458 steam leak and secure with Furmanite.
91-07	910409	F	0.0	A	5	N/A	RB	CONROD	Rod 7-1 position indication was declared inoperable, limiting the power level to less than 60%.
91-08	910409	F	0.0	A	5	N/A	HC	HTEXCH	Condenser water boxes A and C were out of service due to a salt leak, limiting the power level to less than 50%.
91-09	910412	S	0.0	B	5	N/A	HC	HTEXCH	Condenser water box D was taken out of service for cleaning and replacement of sacrificial metal.
91-10	910417	S	0.0	B	5	N/A	HC	HTEXCH	Condenser water box B was taken out of service for cleaning and replacement of sacrificial metal.
91-11	910419	F	0.0	B	5	N/A	HC	HTEXCH	Condenser water box C was taken out of service to locate and repair a salt leak.
91-12	910420	F	67.4	B	2	91-003	HF	PUMPXX	Circulating Water Pump-1A tripped during a storm, causing a loss of secondary service water cooling. Generator gas temperature increased which resulted in a turbine trip. Emergency Feedwater actuated, at which time the Reactor was manually tripped.
91-13	910424	F	0.0	B	5	N/A	HC	HTEXCH	Condenser water box B was taken out of service to locate and repair a salt leak.

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

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-0161)

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EXHIBIT I - SAME SOURCE

MONTHLY OPERATIONAL SUMMARY STATEMENT

DOCKET NO.	<u>50-302</u>
UNIT	<u>FLCRP-3</u>
DATE	<u>MAY 03, 1991</u>
COMPLETED BY	<u>R. L. McLaughlin</u>
TELEPHONE	<u>(904) 795-6486</u>

MONTH: APRIL _____

SUMMARY STATEMENT:

Crystal River Unit 3 operated at a reduced power level for most of the month of April, 1991. Essentially the first three weeks of the month were scheduled for Circulating Water Pump and Condenser Waterbox maintenance at 75% power.

A Main Steam System leak and a Control Rod position indication problem also contributed to lower than expected power levels.

Additionally, the unit was forced into an approximately three day outage due to the loss of the Circulating Water Pump supplying the heat removal for the Turbine Generator cooling system.