

**Florida
Power**
CORPORATION

INTEROFFICE CORRESPONDENCE

CRYSTAL RIVER UNIT 3

(OFFICE)

CR-3

(MAIL CODE)

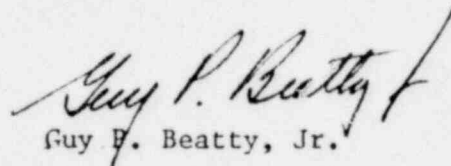
SUBJECT: NRC MONTHLY OPERATING REPORT

TO: PATSY BAYNARD

DATE: 9/7/79
3-0-1-C2

Attached is the Crystal River Unit #3 AUGUST, 1979

input to the NRC Monthly Operating Report required by Regulatory Guide 1.16.



Guy P. Beatty, Jr.

Nuclear Plant Manager

cc: A. E. Friend
E. C. Simpson
P. D. Breedlove
W. A. Stephenson

7909190 303

965 170

OPERATING DATA REPORT

DOCKET NO.: 50-302
 DATE: 9-7-79
 COMPLETED BY: W.A. STEPHENSON
 TELEPHONE: (904) 795-6486

OPERATING STATUS

UNIT NAME: CRYSTAL RIVER #3
 REPORTING PERIOD: 8-1-79 + 8-31-79
 LICENSED THERMAL POWER (MWT): 2452
 NAMEPLATE RATING (GROSS MWE): 890
 DESIGN ELECTRICAL RATING (NET MWE): 825
 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 835
 MAXIMUM DEPENDABLE CAPACITY (NET MWE): 797

NOTES

IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: _____

POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE): NONE
 REASONS FOR RESTRICTIONS, IF ANY: _____

	THIS MONTH	YR.-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	5831	21647
12. NUMBER OF HOURS REACTOR WAS CRITICAL	381.7	2718.8	12575.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	729.5	1102.9
14. HOURS GENERATOR ON-LINE	346.4	2602.0	12146.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2421496	7426571	28023739
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	228997	1936504	8934349
18. NET ELECTRICAL ENERGY GENERATED (MWH)	215808	1831729	8461594
19. UNIT SERVICE FACTOR	46.6%/.	44.6%/.	56.1%/.
20. UNIT AVAILABILITY FACTOR	46.6%/.	44.6%/.	56.1%/.
21. UNIT CAPACITY FACTOR (USING MDC NET)	36.4%/.	39.4%/.	49.0%/.
22. UNIT CAPACITY FACTOR (USING DER NET)	35.2%/.	38.1%/.	47.4%/.
23. UNIT FORCED OUTAGE RATE	53.4%/.	36.9%/.	37.2%/.

24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): _____

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 9-12-79
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

FORECAST

ACHIEVED

1/14/77
 1/30/77
 3/13/77

POOR
 ORIGINAL

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POOR
ORIGINAL

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST, 1979

DOCKET NO. 50-302
UNIT NAME FLCRP-3
DATE 9-7-79
COMPLETED BY W. A. Stephenson
TELEPHONE 904-795-6486

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
79-11	790423	S	---	C	1	---	---	---	Refueling outage commenced 0231 4/23/79. Unit on line 7/31/79 at 2251
79-12	790801	F	2.0	A	1	---	HJ	Valvex	Off line 0521-0724 to replace failed test valve MSV-409
79-13	790801	F	18.0	A	1	79-073/03L-0	RB	Conrod	Off line 1230 8/1/79 to 0633 8/2/79 to replace PI tube for Rod 7-4
79-14	790816	F	6.8	A	3	---	CB	PumpXX	Tripped 0255 8/16/79; pressure transient during shut down of Reactor Coolant Pump "C"; on line 0944 8/16/79 with three RC pumps in service
79-15	790816	F	18.5	A	3	---	HH	Instru	Tripped 1125 8/16/79; high RC pressure

due to FW oscillation; on line 0555 8/17/79

¹
F- Forced
S- Scheduled

²
Reason:
A-Equipment Failure (Explain)
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-Automatic Scram.
4-Other (Explain)

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

Exhibit I- Same Source

POOR
ORIGINAL

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST, 1979

DOCKET NO. 50-302
UNIT NAME FLERP-3
DATE 9-7-79
COMPLETED BY W.A. Stephenson
TELEPHONE 904-795-6486

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
79-16	790817	F	10.6	A	3	-----	HH	Instru	Tripped at 0706; High RC pressure due to FW oscillation; on line at 1745
79-17	790817	F	341.6	G	3	-----	HH	Instru	Tripped at 1825; High RC pressure due to FW oscillation; remained off line through end of month to repair Reactor Coolant pump "C" seal and to repair tubes in "B" steam generator

1
F- Forced
S- Scheduled

2 Reason:
A-Equipment Failure (Explain)
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-Automatic Scram.
4-Other (Explain)

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

5 Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-302

UNIT FLCRP-3

DATE 9/7/79

COMPLETED BY W.A. Stephenson

TELEPHONE 904-795-6486

MONTH AUGUST 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>35</u>
2	<u>187</u>
3	<u>271</u>
4	<u>343</u>
5	<u>554</u>
6	<u>621</u>
7	<u>727</u>
8	<u>768</u>
9	<u>730</u>
10	<u>739</u>
11	<u>762</u>
12	<u>779</u>
13	<u>781</u>
14	<u>784</u>
15	<u>763</u>
16	<u>86</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</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.

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(9/77)

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MONTHLY STATUS REPORT REFUELING INFORMATION REQUEST

1. Name of Facility: Crystal River Unit 3
2. Scheduled date of next refueling shutdown: April, 1980.
3. Scheduled date for restart following refueling: June, 1980.
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes.
In general, changes to the CR #3 technical specifications will include:
 - a. Moderator Temperature Coefficient (3.1.1.3)
 - b. Control Rod Insertion Limits (3.1.3.6)
 - c. Control Rod Group Assignments (3.1.3.7)
 - d. Axial Imbalance Limits (3.2.1)
 - e. Refueling Boron Concentration (3.9.1)

These specifications will be reviewed and changed as necessary based on the reactivity of the second cycle as compared to that of the first cycle.

5. Scheduled date(s) for submitting proposed licensing action and supporting information: February, 1980.
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, or new operating procedures.

Florida Power Corporation is presently discussing with the NRC staff our intent to request that the power level of CR #3 be raised from the present level of 2452 MW (t) to the ultimate core power level of 2544 MW (t) as described in the CR #3 FSAR. FPC submitted on February 28, 1979 our reload report justifying Cycle 2 operation of CR #3 at 2544 MW (t). On May 25, 1979, FPC modified its Cycle 2 reload report justifying continued operation at 2452 MW (t). It is our intent to continue our discussions with the NRC in order to obtain the power upgrade at a later date.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.
 - a) 177 assemblies
 - b) 60 assemblies
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.
 - a. Present storage capacity - Pool A - 120 plus 8 failed fuel assemblies
Pool B - 120 plus 8 failed fuel assemblies.

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8. (Continued)

- b. Filed request on January 9, 1978 with NRC concerning expansion of Pool A from 120 to 544 assemblies plus 6 failed fuel assemblies and expansion of Pool B from 120 to 609 assemblies. Expansion of Pool A is to occur at the refueling in April, 1980. The Pool B expansion will occur at a later refueling outage (approximately 1986).

Additional detailed design information concerning our fuel pool expansion was submitted to the Commission on March 3, March 22, 1978, January 18, 1979, March 16, 1979, and June 29, 1979.

- 9. The projected date of the last refueling that can be discharged to the spent fuel assuming the present licensed capacity. 1981-1982.

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