OPERATING DATA REPORT

DOCKET NO 50-302
DATE 5/5/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-6486

OPERATING STATUS

1. Unit Name: Crystal River 3
2. Reporting Period: 4/1/81 - 4/30/81
3. Licensed Thermal Power (MWt): 2452
4. Nameplate Rating (Gross MWe): 890
5. Design Electrical Rating (Net MWe): 825
6. Maximum Dependable Capacity (Gross MWe): 821
7. Maximum Dependable Capacity (Net MWe): 782
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: None

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	719	2879	36239
12. Number Of Hours Reactor Was Critical	260.4	1856.77	21741.28
13. Reactor Reserve Shutdown Hours	0.0	0	1129.22
14. Hours Generator On-Line	252	1835.5	21200.88
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Energy Generated (MWH)	574827	4250355.3	46928765
17. Gross Electrical Energy Generated (MWH)	195932	1459615.2	15963546
18. Net Electrical Energy Generated (MWH)	186217	1388889	15134459
19. Unit Service Factor	35.05%	63.75%	58.50%
20. Unit Availability Factor	35.05%	63.75%	58.50%
21. Unit Capacity Factor (Using MDC Net)	33.12%	61.69%	53.41%
22. Unit Capacity Factor (Using DER Net)	31.39%	58.48%	50.62%
23. Unit Forced Outage Rate	64.95%	25.72%	28.70%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling outage starting 9/19/81 and lasting approximately 12 weeks.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		1/14/77
INITIAL ELECTRICITY		1/30/77
COMMERCIAL OPERATION		3/13/77

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(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-302
UNIT NAME FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-6486

REPORT MONTH April, 1981 (pg. 1 of 3)

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
81-18	810401	F	140.4	A	1	N/A	KC	FUELXX	Continuation of shutdown from last month. Plant was shutdown on 3/26/81 due to a loose part in steam generator B2. The part has been identified as a control rod guide tube nut.
81-19	810409	S	5.6	B	4	N/A	HC	HTEXCH	Reduced power to 80% to clean water-boxes A and B
81-20	810411	F	6.8	A	3	81-021-03L-0	IE	INSTRU	Unit tripped off line due to a loss of "D" inverter and resulting loss of NNI-Y power supply.

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 (NUREG 0161)

Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-302
UNIT NAME FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-6486

REPORT MONTH April, 1981 (Pg. 2 of 3)

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
81-21	810412	F	319.8	A	3	81-022-03L-0	HA	VALVEX	The "Moog Valve" in the electro-hydraulic control system failed causing the turbine stop valve to open fully, simultaneously with 2 turbine governor valves. This caused a depressurization of "A" steam generator which resulted in a Main Steam Rupture Matrix actuation. Ultimately, the result was an anticipatory reactor trip on low steam generator level. The unit remained down to repair a main steam isolation valve damaged in the transient and to investigate why RCV-14 failed to open. The outage was further extended by a CRD stator replacement and the discovery of water in the lower oil reservoir on RCP-1D due to some small leaks in the oil cooler. All equipment was repaired.

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 (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-302
UNIT NAME FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-3802

REPORT MONTH April, 1981 (Pg. 3 of 3)

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
81-22	810427	S	10.3	B	4	N/A	HC	HTEXCH	Reduced power to approximately 75% to clean waterbox A.
81-23	810430	F	1.9	A	4	N/A	CH	PUMPXX	Reduced power to approximately 50% to fix a steam leak on "A" MFWP.

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 (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-302
UNIT FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE (904) 795-6486

MONTH April, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	26	22	0
7	680	23	0
8	794	24	0
9	776	25	307
10	750	26	759
11	630	27	771
12	0	28	699
13	0	29	803
14	0	30	777
15	0	31	---
16	0		

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.

(9/77)

MONTHLY OPERATIONAL SUMMARY STATEMENT

DOCKET NO. 50-302
UNIT FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-6486

MONTH April, 1981

SUMMARY STATEMENT:

The unit began the month with a continuation of a shutdown from last month. Power operation was further limited by two (2) additional reactor trips and three (3) power reductions during the month of April.

OPERATING DATA REPORT

DOCKET NO 50-302
DATE 5/5/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-6486

OPERATING STATUS

1. Unit Name: Crystal River 3
2. Reporting Period: 4/1/81 - 4/30/81
3. Licensed Thermal Power (MWt): 2452
4. Nameplate Rating (Gross MWe): 890
5. Design Electrical Rating (Net MWe): 825
6. Maximum Dependable Capacity (Gross MWe): 821
7. Maximum Dependable Capacity (Net MWe): 782
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: None

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	719	2879	36239
12. Number Of Hours Reactor Was Critical	260.4	1856.77	21741.28
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14. Hours Generator On-Line	252	1835.5	21200.88
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Energy Generated (MWH)	574827	4250355.3	46928765
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23. Unit Forced Outage Rate	64.95%	25.72%	28.70%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each)
Refueling outage starting 9/19/81 and lasting approximately 12 weeks.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		1/14/77
INITIAL ELECTRICITY		1/30/77
COMMERCIAL OPERATION		3/13/77

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-302
UNIT NAME FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-6486

REPORT MONTH April, 1981 (pg. 1 of 3)

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
81-18	810401	F	140.4	A	1	N/A	RC	FUELXX	Continuation of shutdown from last month. Plant was shutdown on 3/26/81 due to a loose part in steam generator B2. The part has been identified as a control rod guide tube nut.
81-19	810409	S	5.6	B	4	N/A	HC	HTEXCH	Reduced power to 80% to clean water-boxes A and B
81-20	810411	F	6.8	A	3	81-021-03L-0	IE	INSTRU	Unit tripped off line due to a loss of "D" inverter and resulting loss of NNI-Y power supply.

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F: Forced
S: Scheduled

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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 (NUREG-0161)

Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-302
UNIT NAME FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-6486

REPORT MONTH April, 1981 (Pg. 2 of 3)

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
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Reason:
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E-Operator Training & License Examination
F-Administrative
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Method:
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Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-302
UNIT NAME FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-3802

REPORT MONTH April, 1981 (Pg. 3 of 3)

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
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[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 (NUREG-0161)

[5] Exhibit I - Same Source

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-302
UNIT FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE (904) 795-6486

MONTH April, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	26	22	0
7	680	23	0
8	794	24	0
9	776	25	307
10	750	26	759
11	630	27	771
12	0	28	699
13	0	29	803
14	0	30	777
15	0	31	---
16	0		

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.

(9/77)

MONTHLY OPERATIONAL SUMMARY STATEMENT

DOCKET NO. 50-302
UNIT FLCRP-3
DATE 5/6/81
COMPLETED BY M. W. Culver
TELEPHONE 904/795-6486

MONTH April, 1981

SUMMARY STATEMENT:

The unit began the month with a continuation of a shutdown from last month. Power operation was further limited by two (2) additional reactor trips and three (3) power reductions during the month of April.