AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-313
UNIT ANO-Unit 1
DATE 10/12/79
COMPLETED BY L.S. Bramlett
TELEPHONE 501/968-2519

MONTH September, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	824	17	828
2	823	18	829
3	822	19	825
4	820	20	825
5	820	21	827
6	821	22	822
7	821	23	822
8	822	24	824
9	822	25	823
10	823	26	825
11	822	27	825
12	823	28	827
13	823	29	826
14	826	30	826
15	828	31	NA
16	828		

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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OPERATING DATA REPORT

DOCKET NO. 50-313
DATE 10/12/79
COMPLETED BY L.S. Bramlett
TELEPHONE 501/968-2519

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: September 1-30, 1979
3. Licensed Thermal Power (MWt): 2,568
4. Nameplate Rating (Gross MWe): 902.74
5. Design Electrical Rating (Net MWe): 850
6. Maximum Dependable Capacity (Gross MWe): 883
7. Maximum Dependable Capacity (Net MWe): 836
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None

Notes

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	6551.0	41922.0
12. Number Of Hours Reactor Was Critical	720.0	2953.1	28663.2
13. Reactor Reserve Shutdown Hours	0.0	1969.7	3959.6
14. Hours Generator On-Line	720.0	2795.7	28009.4
15. Unit Reserve Shutdown Hours	0.0	591.5	796.7
16. Gross Thermal Energy Generated (MWH)	1842093.0	6809325.0	67616034.0
17. Gross Electrical Energy Generated (MWH)	620212.0	2254962.0	22495643.0
18. Net Electrical Energy Generated (MWH)	593355.0	2151836.0	21462382.0
19. Unit Service Factor	100.0	42.7	66.8
20. Unit Availability Factor	100.0	51.7	68.7
21. Unit Capacity Factor (Using MDC Net)	98.6	39.3	61.2
22. Unit Capacity Factor (Using DER Net)	97.0	38.6	60.2
23. Unit Forced Outage Rate	0.0	45.8	16.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

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DATE: September, 1979

REFUELING INFORMATION

1. Name of facility. Arkansas Nuclear One - Unit 1

2. Scheduled date for next refueling shutdown. 11/01/1980

3. Scheduled date for restart following refueling. 01/01/1981

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
If answer is yes, what, in general, will these be?
If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?

   Yes, Reload Report and associated proposed Technical Specification Changes.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. 09/01/1980

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, new operating procedures.

   Will reload 72 fresh fuel assemblies and operate for approximately 16 months.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 176

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.

   present 590 increase size by 0

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

   DATE: March, 1988

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-313
UNIT NAME ANO-Unit 1
DATE 10-12-79
COMPLETED BY J. S. Bramlett
TELEPHONE 501-968-2519

REPORT MONTH September

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Codes[5]	Cause & Corrective Action to Prevent Recurrence
NONE									

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

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NRC MONTHLY OPERATING REPORT

OPERATING SUMMARY - SEPTEMBER, 1979

The unit operated normally at 100% reactor power for the entire month.

ARKANSAS NUCLEAR ONE - UNIT I

Periodic Core Power Distribution Comparison

A Radial Power Distribution comparison was performed at 33.5 EFPD. The RMS (root mean square) of the differences between measured and predicted at the 52 instrumented fuel assembly locations was 0.0299 which is well within the acceptance criterion of 0.073.