

# OPERATING DATA REPORT

DOCKET NO. 50-368  
 DATE 11/10/81  
 COMPLETED BY L. S. Bramlett  
 TELEPHONE 501-964-3155

## OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 2
2. Reporting Period: October 1 - 31, 1981
3. Licensed Thermal Power (MWt): 2815
4. Nameplate Rating (Gross MWe): 942.57
5. Design Electrical Rating (Net MWe): 912
6. Maximum Dependable Capacity (Gross MWe): 897
7. Maximum Dependable Capacity (Net MWe): 858

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	745.0	7296.0	14040.0
12. Number Of Hours Reactor Was Critical	466.3	4436.0	9466.8
13. Reactor Reserve Shutdown Hours	154.2	209.1	1013.7
14. Hours Generator On-Line	439.9	4227.2	9143.2
15. Unit Reserve Shutdown Hours	0.0	0.0	75.0
16. Gross Thermal Energy Generated (MWH)	1096955.	10425997.	22270159.
17. Gross Electrical Energy Generated (MWH)	358990.	3401375.	7234276.
18. Net Electrical Energy Generated (MWH)	341631.	3240930.	6888127.
19. Unit Service Factor	59.0	57.9	65.1
20. Unit Availability Factor	59.0	57.9	65.7
21. Unit Capacity Factor (Using MDC Net)	53.4	51.8	57.2
22. Unit Capacity Factor (Using DER Net)	50.3	48.7	53.8
23. Unit Forced Outage Rate	41.0	13.8	21.5
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

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

Forecast

Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

8211160215 811110  
 PDR ADOCK 05000368  
 R PDR

(9/77)

IE37

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-368  
 UNIT 2  
 DATE 11/10/81  
 COMPLETED BY L. S. Bramlett  
 TELEPHONE (501) 964-3155

MONTH October

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>55</u>
12	<u>687</u>
13	<u>21</u>
14	<u>94</u>
15	<u>665</u>
16	<u>843</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>880</u>
18	<u>889</u>
19	<u>890</u>
20	<u>889</u>
21	<u>883</u>
22	<u>835</u>
23	<u>890</u>
24	<u>885</u>
25	<u>258</u>
26	<u>476</u>
27	<u>854</u>
28	<u>884</u>
29	<u>877</u>
30	<u>880</u>
31	<u>591</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.

## NRC MONTHLY OPERATING REPORT

OPERATING SUMMARY - OCTOBER, 1981

### UNIT II

The unit began the month at cold shutdown in a continuation of Outage 81-20 for the repair of feedwater heater extraction line expansion joints and other maintenance. The unit was placed on line 10-11-81 and reached 100% FP on 10-12-81. Later that day the unit tripped due to a high MSR level. The unit was returned to power on 10-13-81 but was shut down later that day due to high oxygen in the feedwater. The unit was returned to Mode 1 on 10-14-81, but tripped on low S/G levels later that day. On 10-15-81 the unit reached 100% FP and operated until 10-25-81 when it tripped on low DNBR/high LPD due to a RCP spurious trip. Later that day during power escalation, the unit tripped on a deviation in misalignment of a PLCEA. The unit was returned to 100% FP on 10-27-81 and operated the remainder of the month. On 10-31-81 power was reduced to 60% in order to place a "B" MFW pump in service.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-368UNIT NAME ANO-IIDATE 11-8-81COMPLETED BY L. S. BramlettTELEPHONE (501) 964-3145REPORT MONTH October

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
81-20	810927	F	241.2	A	4	None	HJ	PIPEXX	Shutdown to make repairs on FW ex- traction line failure and other equip- ment maintenance items.
81-21	811011	F	11.5	H	3	None	ZZ	ZZZZZZ	MFW pump trip; Kx trip on low S/G level.
81-22	811012	F	12.0	H	3	None	ZZ	ZZZZZZ	Turbine trip on high MSR level; Rx trip on DNBR/LPD.
81-23	811013	F	13.6	A	1	None	HH	PIPEXX	Shutdown to repair condensate pump suction expansion joint. Excess oxygen in FW.
81-24	811014	F	7.3	H	3	None	ZZ	ZZZZZZ	Rx trip on low S/G level.

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
Reason:  
A-Equipment Failure (Explain)  
B-Maintenance of Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup>  
Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Continuation  
5-Load Reduction  
9-Other

<sup>4</sup>  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
0161)

<sup>5</sup>  
Exhibit I - Same Source

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October

DOCKET NO. 50-368  
 UNIT NAME ANO-II  
 DATE 11-3-81  
 COMPLETED BY L. S. Bramlett  
 TELEPHONE (501) 964-3145

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
81-25	811025	F	9.0	H	3	None	ZZ	ZZZZZZ	"D" RCP Trip; Rx Trip on DNBR/LPD.
81-26	811025	F	10.5	H	3	None	ZZ	ZZZZZZ	Rx Trip on DNBR; dropped PLCEA.
81-27	811031	S	0.0	B	1	None	ZZ	ZZZZZZ	Reduced power to 60% in order to place "B" MFW pump in operation.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
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 E-Operator Training & License Examination  
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 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
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 5-Load Reduction  
 9-Other

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source

REFUELING INFORMATION

DATE: October 1981

1. Name of facility. Arkansas Nuclear One - Unit 2
2. Scheduled date for next refueling shutdown. 9/1/82
3. Scheduled date for restart following refueling. 11/1/82
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. Description of effects of new core loading.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. 6/1/82
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.  
Possible utilization of Core Protection Calculator (CPC)  
semi-addressable constants.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 60
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 485 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: 1989