

# OPERATING DATA REPORT

DOCKET NO. 50-313  
 DATE 04/12/82  
 COMPLETED BY A. J. Gertsch  
 TELEPHONE (501) 964-3155

## OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: March 1 - 31, 1982
3. Licensed Thermal Power (MWt): 2568
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): 886
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: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	2160.0	63835.0
12. Number Of Hours Reactor Was Critical	630.9	2046.9	44294.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	5044.0
14. Hours Generator On-Line	623.3	2039.3	43423.1
15. Unit Reserve Shutdown Hours	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	1253566.	4330053.	103860259.
17. Gross Electrical Energy Generated (MWH)	423056.	1459576.	34296332.
18. Net Electrical Energy Generated (MWH)	401899.	1385330.	32701731.
19. Unit Service Factor	83.8	94.4	68.0
20. Unit Availability Factor	83.8	94.4	69.3
21. Unit Capacity Factor (Using MDC Net)	64.6	76.7	61.3
22. Unit Capacity Factor (Using DER Net)	63.6	75.5	60.3
23. Unit Forced Outage Rate	0.0	0.0	15.5
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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-313  
 UNIT 1  
 DATE 04/12/82  
 COMPLETED BY A. J. Gertsch  
 TELEPHONE 501-964-3155

MONTH March, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>681</u>
2	<u>684</u>
3	<u>682</u>
4	<u>681</u>
5	<u>680</u>
6	<u>681</u>
7	<u>678</u>
8	<u>677</u>
9	<u>678</u>
10	<u>678</u>
11	<u>678</u>
12	<u>673</u>
13	<u>669</u>
14	<u>670</u>
15	<u>669</u>
16	<u>672</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>601</u>
18	<u>562</u>
19	<u>587</u>
20	<u>602</u>
21	<u>602</u>
22	<u>604</u>
23	<u>607</u>
24	<u>608</u>
25	<u>606</u>
26	<u>538</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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March

DOCKET NO. 50-313  
 UNIT NAME ANO - Unit 1  
 DATE April 1, 1982  
 COMPLETED BY A. J. Gertsch  
 TELEPHONE 501 964-3155

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
82-01	820317	F	0	A	5	N/A	CB	PUMPXX	High seal bleedoff temperature on the "D" RCP prompted a power reduction from 82.0% 62.0% full power to remove "D" RCP from service. Unit returned to approximately 72% full power.
82-02	820326	S	120.7	B	1	N/A	CC	HTEXCH	Unit was brought to cold shutdown to replace the feedwater nozzles in the "A" OTSG.

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

<sup>2</sup>  
 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)

<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

# NRC MONTHLY OPERATING REPORT

OPERATING SUMMARY - MARCH, 1982

## UNIT I

Unit One began the month of March at 83.21% full power. The unit was in a power limited condition due to fouling of the "A" Steam Generator. Operations at reduced power have been required to prevent flooding of the "A" OTSG feedwater nozzles. On March 17, high seal bleedoff temperature on the "D" reactor coolant pump prompted shutdown of the pump. At 1307 with the reactor at 62% full power, "D" RCP was secured. Power was later increased to approximately 72% where it remained until March 26. On March 26, Unit One was brought to cold shutdown to replace the "A" OTSG feedwater nozzles. Unit One remained in cold shutdown through the end of the month.

REFUELING INFORMATION

DATE: March 1982

1. Name of facility. Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. 12/1/82
3. Scheduled date for restart following refueling. 2/15/82
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. Reload report and associated proposed Specification changes.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. 9/1/82
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.  
Will reload 72 fresh fuel assemblies and operate for approximately  
16 months. Four of which will be high burn-up test assemblies.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 244
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 589 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: 1986