

NRC MONTHLY OPERATING REPORT  
OPERATING SUMMARY - DECEMBER 1982

UNIT 1

The unit remained shutdown the entire month for the 1-P5 refueling out

# OPERATING DATA REPORT

DOCKET NO. 50-313  
 DATE 1-14-83  
 COMPLETED BY A.J. Gertsh  
 TELEPHONE 501-964-3155

## OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: December 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): 836
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>8760.0</u>	<u>70435.0</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>5759.8</u>	<u>48007.3</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>5044.0</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>5673.7</u>	<u>47057.5</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>817.5</u>
16. Gross Thermal Energy Generated (MWH)	<u>0.0</u>	<u>12239608.0</u>	<u>111769814.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>0.0</u>	<u>3928288.0</u>	<u>36765044.0</u>
18. Net Electrical Energy Generated (MWH)	<u>0.0</u>	<u>3721409.0</u>	<u>35037810.0</u>
19. Unit Service Factor	<u>0.0</u>	<u>64.8</u>	<u>66.8</u>
20. Unit Availability Factor	<u>0.0</u>	<u>64.8</u>	<u>68.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>50.8</u>	<u>59.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>50.0</u>	<u>58.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>11.7</u>	<u>15.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Unit remained in scheduled 1-R5 refueling outage for the entire month.

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

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

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-313

UNIT 1

DATE 1-14-83

COMPLETED BY A.J. Gertsh

TELEPHONE 501-964-3155

MONTH December, 1982

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>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER

DOCKET NO. 50-313  
 UNIT NAME ANO-Unit 1  
 DATE JAN. 4, 1983  
 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
82-07	821108	S	744.0	C	4	N/A	N/A	N/A	1-R5 Refueling Outage

<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

REFUELING INFORMATION

DATE: December, 1982

1. Name of facility. ARKANSAS NUCLEAR ONE - UNIT 1
2. Scheduled date for next refueling shutdown. November 8, 1982 - Refueling in progress.
3. Scheduled date for restart following refueling. March 15, 1983
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 change (82A-14).
5. Scheduled date(s) for submitting proposed licensing action and supporting information. Submitted November 19, 1982
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, four of which will be high burn-up test 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) 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 379
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

DATE: 1987