

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-313

UNIT ANO-1

DATE 11/14/80

COMPLETED BY L. S. Bramlett

TELEPHONE (501)968-2519

MONTH October 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>723</u>	17	<u>563</u>
2	<u>723</u>	18	<u>720</u>
3	<u>727</u>	19	<u>741</u>
4	<u>722</u>	20	<u>740</u>
5	<u>726</u>	21	<u>740</u>
6	<u>723</u>	22	<u>740</u>
7	<u>326</u>	23	<u>739</u>
8	<u>277</u>	24	<u>737</u>
9	<u>374</u>	25	<u>737</u>
10	<u>683</u>	26	<u>737</u>
11	<u>731</u>	27	<u>735</u>
12	<u>723</u>	28	<u>734</u>
13	<u>731</u>	29	<u>732</u>
14	<u>736</u>	30	<u>734</u>
15	<u>735</u>	31	<u>736</u>
16	<u>485</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.

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OPERATING DATA REPORT

DOCKET NO. 50-313
 DATE 11/14/80
 COMPLETED BY L. S. Bramlett
 TELEPHONE (501)968-2519

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One-Unit 1
2. Reporting Period: October 1-31, 1980
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

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	<u>745.0</u>	<u>7,320.0</u>	<u>51,451.0</u>
12. Number Of Hours Reactor Was Critical	<u>742.0</u>	<u>4,199.1</u>	<u>34,337.6</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>647.6</u>	<u>4,895.0</u>
14. Hours Generator On-Line	<u>738.9</u>	<u>4,130.7</u>	<u>33,601.2</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>20.8</u>	<u>817.5</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,734,256.0</u>	<u>9,825,000.0</u>	<u>81,086,044.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>531,799.0</u>	<u>3,025,419.0</u>	<u>26,746,575.0</u>
18. Net Electrical Energy Generated (MWH)	<u>504,847.0</u>	<u>2,876,814.0</u>	<u>25,510,851.0</u>
19. Unit Service Factor	<u>99.2</u>	<u>56.4</u>	<u>65.3</u>
20. Unit Availability Factor	<u>99.2</u>	<u>56.7</u>	<u>66.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>81.1</u>	<u>47.0</u>	<u>59.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>79.7</u>	<u>46.2</u>	<u>58.3</u>
23. Unit Forced Outage Rate	<u>0.8</u>	<u>31.1</u>	<u>17.9</u>

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

January 2, 1981 to March 15, 1981, Refueling

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	_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-313
 UNIT NAME ANO Unit I
 DATE 11-14-80
 COMPLETED BY L. S. Bramlett
 TELEPHONE (501) 968-2519

REPORT MONTH October

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
80-10	801007	F	6.08	G	3	None	ZZ	ZZZZZZ	The "A" main feed pump was accidentally tripped when a mechanic, who was cleaning up oil around the pump, slipped and hit the trip mechanism.
80-11	801007	F	0.0	B	4	None	CH	MECFUN	Power was limited because of maintenance on the "A" main feed pump governor control mechanism. The cause was determined to be trash in the control oil system.
80-12	801016	F	0.0	B	4	None	CH	MECFUN	Power was limited because of maintenance on the "A" main feed pump governor control mechanism. The cause was determined to be trash in the control oil system.

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

REFUELING INFORMATION

DATE: November, 1980

1. Name of facility. Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. 1/2/81
3. Scheduled date for restart following refueling. 3/15/81
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. Also, the safety analysis of four demonstration high burn-up assemblies will be provided.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. Partial submittal 10/31/80. Complete submittal by 2/1/81.
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 68 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) 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: 1986

NRC MONTHLY OPERATING REPORT

OPERATING SUMMARY - OCTOBER 1980 UNIT I

The unit began the month at 100% power with normal operation. On October 7 the unit tripped on high RCS pressure following a main feed pump trip. The unit was returned to power later that day and power was held to about 45% for maintenance on main feed pump control problems. The unit returned to 93% power on October 11. On October 16 power was reduced to about 50% for more maintenance on "A" main feed pump. The unit was returned to 98% power on October 19 and continued operation there through the end of the month.

ARKANSAS NUCLEAR ONE - UNIT 1

PERIODIC CORE POWER DISTRIBUTION COMPARISON

The radial power distribution comparison was performed at 259.9 EFPD. The RMS (root mean square) value of the difference between measured and predicted power at the 52 instrumented fuel assembly location was calculated. The RMS value was 0.026 at 259.9 EFPD. The value was within the acceptance criteria of 0.073.