

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-313
 UNIT 1
 DATE 10-11-78
 COMPLETED BY C. N. Shively
 TELEPHONE 501/968-2519

MONTH September

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>811</u>	17	<u>661</u>
2	<u>813</u>	18	<u>762</u>
3	<u>813</u>	19	<u>777</u>
4	<u>812</u>	20	<u>816</u>
5	<u>810</u>	21	<u>810</u>
6	<u>809</u>	22	<u>816</u>
7	<u>810</u>	23	<u>820</u>
8	<u>808</u>	24	<u>821</u>
9	<u>807</u>	25	<u>820</u>
10	<u>807</u>	26	<u>822</u>
11	<u>808</u>	27	<u>821</u>
12	<u>811</u>	28	<u>821</u>
13	<u>812</u>	29	<u>821</u>
14	<u>812</u>	30	<u>824</u>
15	<u>812</u>	31	<u>NA</u>
16	<u>451</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.

7810200070

OPERATING DATA REPORT

DOCKET NO. 50-313
 DATE 10-11-78
 COMPLETED BY C. N. Shively
 TELEPHONE 501/968-2519

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One
2. Reporting Period: September 1 - September 30, 1978
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: NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720.0</u>	<u>6551.0</u>	<u>33162.0</u>
12. Number Of Hours Reactor Was Critical	<u>711.6</u>	<u>4603.0</u>	<u>23532.0</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>647.6</u>	<u>1966.3</u>
14. Hours Generator On-Line	<u>709.0</u>	<u>4509.3</u>	<u>23044.7</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>113.7</u>	<u>205.2</u>
16. Gross Thermal Energy Generated (MWH)	<u>1796653.</u>	<u>10931362.</u>	<u>55373888.</u>
17. Gross Electrical Energy Generated (MWH)	<u>597620.</u>	<u>3653430.</u>	<u>18399341.</u>
18. Net Electrical Energy Generated (MWH)	<u>571586.</u>	<u>3489814.</u>	<u>17550564.</u>
19. Unit Service Factor	<u>98.5</u>	<u>68.8</u>	<u>69.5</u>
20. Unit Availability Factor	<u>98.5</u>	<u>70.6</u>	<u>70.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>95.0</u>	<u>63.7</u>	<u>63.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>93.4</u>	<u>62.7</u>	<u>62.3</u>
23. Unit Forced Outage Rate	<u>1.5</u>	<u>13.0</u>	<u>11.7</u>

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	_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-313
 UNIT NAME ANO-Unit 1
 DATE 10/2/78
 COMPLETED BY C.N. Shively
 TELEPHONE 501-968-2519

REPORT MONTH Sept., 1978

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
78-6	780916	F	11.0	A	3	N/A	CD	VALVOP	MSIV "A" failed closed, Rx trip on overpower.

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

ARKANSAS NUCLEAR ONE - UNIT I
NRC MONTHLY OPERATING REPORT
OPERATING SUMMARY - SEPTEMBER, 1978

The Unit operated at approximately 100% reactor power until 9/16/78, when the "A" Main Steam isolation valve went closed, due to a failure of the control air supply solenoid valve. The resultant decrease in generation due to the reduced steam flow caused the Integrated Control System to initiate a reactor power increase. The reactor tripped at the RPS high power setpoint.

The trip switched the plant auxiliary electrical power from Startup transformer #1 which was fed by an auto transformer. The auto transformer was feeding Unit II at the time of the transfer and the electrical load caused the auto transformer to trip and the auxiliaries for both Units were then transferred to Startup transformer #2, which received power from a source other than the auto transformer. The load was successfully carried until a Unit II circulating water pump start was attempted. The resultant voltage drop caused all four Unit I reactor coolant pumps to trip. Two of the Reactor coolant pumps were restarted during heat-up, after the auxiliary power supply were returned to normal.

Upon the reactor trip, the "A" CRD trip breaker did not trip. The breaker was tripped manually (Reference RO #50-313/78-24). An inspection was performed, minor adjustments were made, and the breaker was successfully tested several times from the RPS channel and at the manual reactor trip.

The Unit was placed back on line on 9/17/78, and operated smoothly for the remainder of the month.

On 9/25/78, during an increased surveillance test, the "A" CRD breaker failed to trip. The remaining breakers were successfully tested. The mechanical arm of the trip mechanism was found to be out of adjustment and was corrected. (Reference RO #50-313/78-23).

REFUELING INFORMATION

DATE: September 1978

1. Name of facility. Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. 3-01-79
3. Scheduled date for restart following refueling. 5-01-79
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 similar to what has been submitted
for Cycles 2 and 3
5. Scheduled date(s) for submitting proposed licensing action and supporting information. 11-1-78
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 64 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) 112
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

OPERATING DATA REPORT

DOCKET NO. 50-313
 DATE 7-11-78
 COMPLETED BY C. N. Shively
 TELEPHONE 501/968-2519

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One-Unit 1
2. Reporting Period: June 1, 1978 - June 30, 1978
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: NA

	This Month	Yr. to-Date	Cumulative
11. Hours In Reporting Period	720.0	4343.0	30954.0
12. Number Of Hours Reactor Was Critical	717.8	2419.4	21348.4
13. Reactor Reserve Shutdown Hours	0.0	647.6	1966.3
14. Hours Generator On-Line	712.2	2333.2	20868.6
15. Unit Reserve Shutdown Hours	0.0	113.7	205.2
16. Gross Thermal Energy Generated (MWH)	1812874.0	5399444.0	49841970.0
17. Gross Electrical Energy Generated (MWH)	611452.0	1816562.0	16562473.0
18. Net Electrical Energy Generated (MWH)	585542.0	1733105.0	15793855.0
19. Unit Service Factor	98.9	53.7	67.4
20. Unit Availability Factor	98.9	56.3	68.1
21. Unit Capacity Factor (Using MDC Net)	97.3	47.7	61.0
22. Unit Capacity Factor (Using DER Net)	95.7	46.9	60.0
23. Unit Forced Outage Rate	1.1	21.6	12.6

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

NA

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	_____	_____

OPERATING DATA REPORT

DOCKET NO 50-313
 DATE 8-3-78
 COMPLETED BY C. N. Shively
 TELEPHONE 501/968-2519

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One
2. Reporting Period: July 1 - July 31, 1978
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:
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	744.0	5087.0	31698.0
12. Number Of Hours Reactor Was Critical	744.0	3163.4	22092.4
13. Reactor Reserve Shutdown Hours	0.0	647.6	1966.3
14. Hours Generator On-Line	744.0	3077.2	21612.6
15. Unit Reserve Shutdown Hours	0.0	113.7	205.2
16. Gross Thermal Energy Generated (MWH)	1904845.	7304289.	51746815.
17. Gross Electrical Energy Generated (MWH)	633483.	2450055.	17195966.
18. Net Electrical Energy Generated (MWH)	606070.	2339185.	16399935.
19. Unit Service Factor	100.0	60.5	68.2
20. Unit Availability Factor	100.0	62.7	68.8
21. Unit Capacity Factor (Using MDC Net)	97.4	55.0	61.9
22. Unit Capacity Factor (Using DER Net)	95.8	54.1	60.9
23. Unit Forced Outage Rate	0.0	17.3	12.2

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

NA

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	_____	_____

OPERATING DATA REPORT

DOCKET NO. 50-313
 DATE 9/14/78
 COMPLETED BY C. N. Shively
 TELEPHONE 501/968-2519

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One
2. Reporting Period: August 1, 1978-August 31, 1978
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:
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	744.0	5831.0	32442.0
12. Number Of Hours Reactor Was Critical	728.0	3891.4	22820.4
13. Reactor Reserve Shutdown Hours	0.0	647.6	1966.3
14. Hours Generator On-Line	723.1	3800.3	22335.7
15. Unit Reserve Shutdown Hours	0.0	113.7	205.2
16. Gross Thermal Energy Generated (MWH)	1830420.	9134709.	53577235.
17. Gross Electrical Energy Generated (MWH)	605743.	3055810.	17801721.
18. Net Electrical Energy Generated (MWH)	579031.	2918228.	16978978.
19. Unit Service Factor	97.2	65.2	68.8
20. Unit Availability Factor	97.2	67.1	69.5
21. Unit Capacity Factor (Using MDC Net)	93.1	59.9	62.6
22. Unit Capacity Factor (Using DER Net)	91.6	58.9	61.6
23. Unit Forced Outage Rate	2.8	14.9	12.0

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

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

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____