

# OPERATING DATA REPORT

DOCKET NO: 50-313  
 DATE: June, 1985  
 COMPLETED BY: K. L. Morton  
 TELEPHONE: 501-964-3115

## OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: June 1 - 30, 1985
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: \_\_\_\_\_
9. Power Level To Which Restricted. If Any (Net MWe): None
10. Reasons For Restrictions. If Any: None

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period ....	720.0	4,343.0	92,322.0
12. Number of Hours Reactor was Critical .....	716.3	3,154.3	61,812.2
13. Reactor Reserve Shutdown Hours .....	0.0	0.0	5,044.0
14. Hours Generator On-Line .....	700.4	3,042.0	60,445.5
15. Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH) .....	1,675,609.0	7,375,980.0	143,728,796.0
17. Gross Electrical Energy Generated (MWH) .....	562,025.0	2,482,059.0	47,444,330.0
18. Net Electrical Energy Generated (MWH) .....	535,770.0	2,350,072.0	45,212,595.0
19. Unit Service Factor .....	97.3	70.0	65.5
20. Unit Availability Factor .....	97.3	70.0	66.4
21. Unit Capacity Factor (Using MDC Net) .....	89.0	64.7	58.6
22. Unit Capacity Factor (Using DER Net) .....	87.5	63.7	57.6
23. Unit Forced Outage Rate .....	2.7	18.8	14.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			
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: One  
DATE: June, 1985  
COMPLETED BY: K. L. Morton  
TELEPHONE: 501-964-3115

MONTH June

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1 .....	111
2 .....	342
3 .....	374
4 .....	679
5 .....	813
6 .....	817
7 .....	819
8 .....	818
9 .....	816
10 .....	816
11 .....	818
12 .....	822
13 .....	829
14 .....	829
15 .....	829
16 .....	829
17 .....	829
18 .....	830
19 .....	829
20 .....	830
21 .....	829
22 .....	829
23 .....	828
24 .....	827
25 .....	825
26 .....	826
27 .....	655
28 .....	375
29 .....	823
30 .....	828
31 .....	
AVGS:	744

## INSTRUCTION

On this format, list the average daily unit power level in MWe-Net for each day in reporting month. Compute to the nearest whole megawatt.

# NRC MONTHLY OPERATING REPORT

## OPERATING SUMMARY

June 1985

UNIT ONE

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The unit began the month with the reactor critical and the generator off line while repairs were being made to the E2-A feedwater heater expansion joint. The repairs were finished and the unit escalated in power with the main generator being tied on line at 1233 hours on the first of June. The unit attained 49% power operation and was held there for maintenance on the "B" main feedwater pump.

At 0245 hours on the 2nd, with the maintenance completed, the unit was escalated in power to 75% where a 5-hour hold was made for xenon burn. At 1150 hours the unit attained 90% full power operation and remained at that power level until 1145 hours, when the unit experienced a runback due to problems with the "B" MFW pump which resulted in MFW pump "B" tripping. The plant stabilized at 23% power and was then escalated to 45%. The unit remained there until 1959 hours when the "A" MFW pump tripped causing the reactor and turbine to trip off line. The reactor reached criticality at 2342 hours on the same day and the turbine was tied on line at 0302 hours on the 3rd.

The unit attained 90% full power at 1342 hours and remained there until 1815 hours when a power reduction was begun to 45% to work on the main feedwater pumps. The maintenance was completed and a power escalation begun at 0300 hours on the 4th.

The unit reached 100% operation at 1518 hours on the 4th and remained there until 1650 hours on the 27th. At this time the unit experienced a runback due to a trip of the "B" MFW pump. The plant was stabilized and held at 39% power until 1630 hours on the 28th, at which point the unit was escalated in power, attaining 100% operation at 0225 hours on the 29th. The unit remained there through the end of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT FOR June, 1985

DOCKET NO	50-313
UNIT NAME	ANO - Unit 1
DATE	July 5, 1985
COMPLETED BY	K. L. Morton
TELEPHONE	501-964-3115

<u>No.</u>	<u>Date</u>	<u>Type</u> <sup>1</sup>	<u>Duration</u> <u>(Hours)</u>	<u>Reason</u> <sup>2</sup>	<u>Method of</u> <u>Shutting</u> <u>Down Reactor</u> <sup>3</sup>	<u>Licensee</u> <u>Event</u> <u>Report #</u>	<u>System</u> <u>Code</u> <sup>4</sup>	<u>Component</u> <u>Code</u> <sup>5</sup>	<u>Cause &amp; Corrective</u> <u>Action to</u> <u>Prevent Recurrence</u>
85-03	19850531	F	12.55	A	4	11ER-313- 85-004	SJ	HX	Reactor trip on high RCS pressure. Initiating event was an inadvertent closure of an intercept valve causing a trip of the "A" main feedwater pump and a failure of the E2-A low pressure feedwater heater expansion joints. The heater was repaired and the unit placed back on line.
85-04	19850602	F	0	A	5	N/A	SJ	P	Plant runback from 90% to 23% due to "B" main feedwater pump trip. Escalated to 45% and repaired pump.
85-05	19850602	F	7.05	A	3	11ER-313- 85-005	SJ	P	Unit trip from 45% on loss of "A" main feedwater pump trip. Brought unit back on line.

<u>No.</u>	<u>Date</u>	<u>Type</u> <sup>1</sup>	<u>Duration</u> (Hours)	<u>Reason</u> <sup>2</sup>	<u>Method of</u> <u>Shutting</u> <u>Down Reactor</u> <sup>3</sup>	<u>Licensee</u> <u>Event</u> <u>Report #</u>	<u>System</u> <u>Code</u> <sup>4</sup>	<u>Component</u> <u>Code</u> <sup>5</sup>	<u>Cause &amp; Corrective</u> <u>Action to</u> <u>Prevent Recurrence</u>
85-06	19850603	F	0	A	5	N/A	SJ	P	Power reduction for main feedwater pump maintenance and repair. Escalated to 100% upon completion.
85-07	19850627	F	0	A	5	N/A	SJ	P	Plant runback from 100% to 39% full power due to "B" main feedwater pump trip. Repaired problem and escalated to 100%.

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-Continuation  
5-Load Reduction  
9-Other

4  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
1022)  
5  
Exhibit I - Same Source



DATE: June, 1985

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. August, 1986
3. Scheduled date for restart following refueling. October, 1986
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 there 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 change request.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. May 1, 1986
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.  
None
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 456
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 988 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: 1998



ARKANSAS POWER & LIGHT COMPANY

POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

July 15, 1985

1CAN078509

Mr. Harold S. Bassett, Director  
Division of Data Automation  
and Management Information  
Office of Resource Management  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

SUBJECT: Arkansas Nuclear One - Unit 1  
Docket No. 50-313  
License No. DPR-51  
Monthly Operating Report

Gentlemen:

The Arkansas Nuclear One - Unit 1 Monthly Operating Report for June 1985 is attached.

Very truly yours,

J. Ted Enos  
Manager, Licensing

JTE:MCS:ac

Attachment

cc: Mr. Robert D. Martin  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, TX 76011

Mr. Richard C. DeYoung  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

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