

# OPERATING DATA REPORT

DOCKET NO: 50-313  
 DATE: August, 1985  
 COMPLETED BY: W. E. Converse  
 TELEPHONE: (501) 964-3188

## OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: August 1 - 31, 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): 863
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): 819 MWe (98%)
10. Reasons For Restrictions. If Any: Apparent high operating level in the "A" steam generator caused by fouling at the tube support plate crevices.

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period ....	744.0	5,831.0	93,810.0
12. Number of Hours Reactor was Critical .....	546.7	4,445.0	63,102.9
13. Reactor Reserve Shutdown Hours .....	0.0	0.0	5,044.0
14. Hours Generator On-Line .....	535.2	4,321.2	61,724.7
15. Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH) .....	1,171,415.0	10,430,332.0	146,783,148.0
17. Gross Electrical Energy Generated (MWH) .....	385,950.0	3,498,919.0	48,461,190.0
18. Net Electrical Energy Generated (MWH) .....	362,305.0	3,315,995.0	46,178,518.0
19. Unit Service Factor .....	71.9	74.1	65.8
20. Unit Availability Factor .....	71.9	74.1	66.7
21. Unit Capacity Factor (Using MDC Net) .....	58.2	68.0	58.9
22. Unit Capacity Factor (Using DER Net) .....	57.3	66.9	57.9
23. Unit Forced Outage Rate .....	28.1	17.4	14.8
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: One  
 DATE: August, 1985  
 COMPLETED BY: W. E. Converse  
 TELEPHONE: (501) 964-3188

MONTH August

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

1	817
2	816
3	815
4	814
5	813
6	813
7	811
8	813
9	811
10	809
11	535
12	-35
13	-35
14	209
15	314
16	315
17	312
18	422
19	581
20	-14
21	- 6
22	- 7
23	- 7
24	-14
25	-29
26	413
27	760
28	813
29	811
30	812
31	813

AVGS: 487

## 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

AUGUST 1985

UNIT ONE

---

The unit began the month power limited due to apparent high operating level in the "A" steam generator. The apparent high level is caused by a differential pressure increase across the tube bundle from fouling of the tube support plate crevices. This condition had developed slowly. The unit became power limited on July 28.

The unit tripped at 1611 hours on the 11th due to loss of both main feedwater pumps (anticipatory trip). At 2219 hours on the 13th, the reactor was taken critical. The unit was tied on line on the 14th at 0513 hours, and power was raised to approximately 45% to permit continued repairs to the main feedwater pump control oil system. At 1930 hours on the 18th, power escalation to full power was begun. At 2359 hours on the same day, 90% power was attained and held for fuel consideration.

At 1921 hours on the 19th, the unit was manually tripped during the runback after trip of one main feedwater pump turbine. Repairs to the main feedwater pump controls and to a leaking steam generator secondary handhole cover were conducted.

Following these repairs, the unit was taken critical at 1832 hours on the 25th and brought on line at 2306 hours on the same day. After several power holds, 100% power was attained at 1641 hours on the 27th.

The unit became power limited again on the 30th. Power had decreased to approximately 98% by the end of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT FOR AUGUST, 1985

DOCKET NO	50-313
UNIT NAME	ANO - Unit 1
DATE	September 5, 1985
COMPLETED BY	W. E. Converse
TELEPHONE	(501) 964-3188

<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>
85-05	850811	F	61.0	A	3	1-LER-85-007	SL	PCV	Auxiliary reactor trip on loss of both main feedwater pumps resulting from turbine control oil pressure spike. Metering valves were installed in the control oil lines to dampen the pressure spike.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT FOR AUGUST, 1985

DOCKET NO	50-313
UNIT NAME	ANO - Unit 1
DATE	September 5, 1985
COMPLETED BY	W. E. Converse
TELEPHONE	(501) 964-3188

<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>
85-06	850819	F	147.8	H	2	1-LER-85-008	ZZ	ZZZZZZ	Manual trip during runback following loss of one main feedwater pump.

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: August, 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

September 15, 1985

1CAN098506

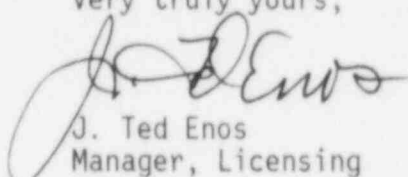
Mr. Harold S. Bassett, Director  
Division of Data Automation  
and Management Information  
Office of Resource Management  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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 August 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

1E24  
11