

# OPERATING DATA REPORT

DOCKET NO: 50-368  
 DATE: MAY, 1984  
 COMPLETED BY: W.E. CONVERSE  
 TELEPHONE: 901-964-3118

## OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 2
2. Reporting Period: May 1-31, 1984
3. Licensed Thermal Power (MWt): 2815
4. Nameplate Rating (Gross MWe): 942.57
5. Design Electrical Rating (Net MWe): 912
6. Maximum Dependable Capacity (Gross MWe): 897
7. Maximum Dependable Capacity (Net MWe): 858
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: \_\_\_\_\_

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period ....	744.0	3,647.0	36,671.0
12. Number of Hours Reactor was Critical .....	738.5	2,969.0	24,596.1
13. Reactor Reserve Shutdown Hours .....	0.0	0.0	1,430.1
14. Hours Generator On-Line .....	731.5	2,822.5	23,772.8
15. Unit Reserve Shutdown Hours ..	0.0	0.0	75.0
16. Gross Thermal Energy Generated (MWH) .....	2,036,426.0	7,048,406.0	59,597,946.0
17. Gross Electrical Energy Generated (MWH) .....	680,675.0	2,350,765.0	19,367,716.0
18. Net Electrical Energy Generated (MWH) .....	650,971.0	2,240,620.0	18,446,960.0
19. Unit Service Factor .....	98.3	77.4	64.8
20. Unit Availability Factor .....	98.3	77.4	65.0
21. Unit Capacity Factor (Using MDC Net) .....	102.0	71.6	58.6
22. Unit Capacity Factor (Using DER Net) .....	95.9	67.4	55.2
23. Unit Forced Outage Rate .....	1.7	2.5	18.6
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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

8407020003 840531  
 PDR ADOCK 05000368  
 R PDR

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# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-368  
 UNIT: TWO  
 DATE: MAY, 1984  
 COMPLETED BY: W. E. CONVERSE  
 TELEPHONE: 901-964-3118

MONTH MAY, 1984

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

1	903
2	900
3	902
4	903
5	900
6	879
7	159.6
8	884
9	901
10	902
11	900
12	896
13	894
14	896
15	900
16	899
17	900
18	900
19	897
20	899
21	898
22	898
23	899
24	900
25	895
26	901
27	901
28	901
29	906
30	906
31	903

## 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

MAY 1984

UNIT 2

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The unit started the month at 100% full power. On May 6th, a 500 KV line was lost when a substation was hit by a tornado. At 2208 hours that day, the dispatcher requested a power reduction to 500 MW. This power level was achieved at 2338 hours. At 0052 hours on May 7th, a power escalation was begun. During the escalation, feedwater flow oscillations developed as a result of controller problems. The operators took manual control of feedwater at 0120 hours, but they were unable to stabilize levels. At 0125 hours, the unit tripped from 66% power on high level in the "B" steam generator.

The reactor was returned to critical at 0653 hours on May 7th and was tied to the grid at 1355 hours that day. At 0427 hours on May 8th, the unit was back at 100% full power where it remained for the rest of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT FOR MAY, 1984

DOCKET NO	50-368
UNIT NAME	ANO-2
DATE	6/5/84
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>
84-03	840506	F	3.3	H	5	N/A	ZZ	ZZZZ	Unit load reduction at request of dispatcher. Cause: Loss of 500 KV transmission line when a tornado struck a substation.
84-04	840507	F	7.5	A	3	84-011-00	JB	LC0	Unit tripped due to feedwater control system failure.

<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)  
G-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 1 - Same Source



DATE: MAY, 1984

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 2
2. Scheduled date for next refueling shutdown. May, 1985
3. Scheduled date for restart following refueling. July, 1985
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, some proposed software changes to the Core Protection Calculators are being considered.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. February, 1985
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.

Burnable poison rods will be used in reload fuel.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 168
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: 2003



ARKANSAS POWER & LIGHT COMPANY

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

June 15, 1984

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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 2  
Docket No. 50-368  
License No. NPF-6  
Monthly Operating Report  
(File: 2-0520.1)

Gentlemen:

Attached is the NRC Monthly Operating Report for May 1984 for Arkansas Nuclear One - Unit 2.

Very truly yours,

John R. Marshall  
Manager, Licensing

JRM:SAB:ac

Attachment

cc: Mr. John T. Collins  
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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