

OPERATING DATA REPORT

DOCKET NO: 50-313
 DATE: MAY, 1984
 COMPLETED BY: K.C. MORTON
 TELEPHONE: 501-964-3115

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: May 1-31, 1984
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): 833
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: _____

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period	744.0	3,647.0	82,842.0
12. Number of hours Reactor was Critical	744.0	3,016.4	55,451.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	744.0	2,998.6	54,248.8
15. Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	1,804,318.0	7,291,232.0	129,211,533.0
17. Gross Electrical Energy Generated (MWH)	610,545.0	2,448,235.0	42,586,600.0
18. Net Electrical Energy Generated (MWH)	583,420.0	2,343,461.0	40,601,849.0
19. Unit Service Factor	100.0	82.2	65.5
20. Unit Availability Factor	100.0	82.2	66.5
21. Unit Capacity Factor (Using MDC Net)	93.8	76.9	58.6
22. Unit Capacity Factor (Using DER Net)	92.3	75.6	57.7
23. Unit Forced Outage Rate	0.0	0.5	15.2
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

8407020372 840531
 PDR ADOCK 05000313
 R PDR

IE24
 1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-313
 UNIT: ONE
 DATE: MAY, 1984
 COMPLETED BY: K.L. MORTON
 TELEPHONE: 501-964-3115

MONTH MAY, 1984

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	835
2	835
3	836
4	827
5	766
6	746
7	770
8	824
9	823
10	820
11	819
12	816
13	814
14	811
15	809
16	807
17	804
18	793
19	762
20	760
21	754
22	733
23	726
24	728
25	708
26	706
27	708
28	792
29	791
30	791
31	792

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 1

The unit started the month at 100% full power. At 2035 hours on May 4th, the unit began decreasing in power because of high steam generator operating level. It reached 92% power at 2230 hours and remained there until 2203 hours on May 6th.

Subsequently, a 500 KV line was lost when a substation was hit by a tornado. The dispatcher requested a power reduction to 500 MW at 2206 hours. At 2230 hours, another request was made to hold at 550 MW. At 2246 hours, power was dropped to 450 MW; however, the unit was stabilized at 465 MW because of normal feedwater flow operating requirements. The unit remained there until 0100 hours on May 7th when a power increase was begun. The unit attained 90% power at 0400 hours and held for xenon equilibrium until 0615 hours. The unit began increasing in power again and attained 100% power at 0800 hours.

During the period from May 11th to May 18th, the unit gradually decreased in power eventually reaching 96%. At 1834 hours, a power reduction was begun; this reduction originated from high steam generator operating level. The unit reached 92% power at 1858 hours and remained there until 1155 hours on May 21st. At 1254 hours, unit power was reduced once again to 90%.

On May 22nd at 0910 hours, unit power was once again dropped to 87.5% in an effort to reduce the effect of the high operating level in the steam generators. The unit remained there until 0110 hours on May 28th. At 0255 hours, the unit was brought back up to 96% power. The unit remained there through the end of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR MAY, 1984

DOCKET NO	50-313
UNIT NAME	ANO-UNIT 1
DATE	JUNE 4, 1984
COMPLETED BY	KEN MORTON
TELEPHONE	501-964-3115

<u>No.</u>	<u>Date</u>	<u>Type</u> ¹	<u>Duration</u> <u>(Hours)</u>	<u>Reason</u> ²	<u>Method of</u> <u>Shutting</u> <u>Down Reactor</u> ³	<u>Licensee</u> <u>Event</u> <u>Report #</u>	<u>System</u> <u>Code</u> ⁴	<u>Component</u> <u>Code</u> ⁵	<u>Cause & Corrective</u> <u>Action to</u> <u>Prevent Recurrence</u>
84-03	840506	F	10.0	H	5	N/A	ZZ	ZZZZZZ	Unit load reduction at request of dispatcher. Cause: Loss of 500 KV transmission line when a tornado hit a substation.

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)
G-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-
0161)
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Exhibit 1 - Same Source

DATE: MAY, 1984

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. November 1, 1984
3. Scheduled date for restart following refueling. January 10, 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, Reload Report and associated proposed Technical Specification change.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. September 1, 1984
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.

Yes, the reload analysis will be done using newly developed thermal hydraulic codes. Babcock & Wilcox will be submitting Topical Reports on the new codes for NRC review prior to September 1, 1984.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 316
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

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 1
Docket No. 50-313
License No. DPR-51
Monthly Operating Report
(File: 0520.1)

Gentlemen:

Attached is the NRC Monthly Operating Report for May 1984 for Arkansas Nuclear One - Unit 1.

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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