

OPERATING DATA REPORT

DOCKET NO: 50-313
 DATE: December, 1987
 COMPLETED BY: M. S. Whitt
 TELEPHONE: (501) 964-6670

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: December 1-31, 1987
3. Licensed Thermal Power (Mwt): 2,568
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 (Net MWe): None

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period	744.0	8,760.0	114,259.0
12. Number of Hours Reactor was Critical	744.0	7,855.7	79,055.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	744.0	7,723.1	77,428.9
15. Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	1,526,152.0	15,111,714.0	178,837,469.0
17. Gross Electrical Energy Generated (MWH)	522,415.0	5,040,275.0*	59,267,135.0*
18. Net Electrical Energy Generated (MWH)	496,248.0	4,763,546.0*	56,389,591.0*
19. Unit Service Factor	100.0	88.2	67.8
20. Unit Availability Factor	100.0	88.2	68.5
21. Unit Capacity Factor (Using MDC Net)	79.8	65.0	59.0
22. Unit Capacity Factor (Using DER Net)	78.5	64.0	58.1
23. Unit Forced Outage Rate	0.0	4.4	13.4
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

*These numbers have been corrected to reflect correction of mathematical errors in the switchboard log.

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 11

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-313
 UNIT: One
 DATE: December, 1987
 COMPLETED BY: M. S. Whitt
 TELEPHONE: (501) 964-6670

MONTH December, 1987

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	673
2	674
3	674
4	669
5	666
6	668
7	666
8	665
9	665
10	665
11	665
12	665
13	665
14	666
15	667
16	667
17	667
18	668
19	667
20	665
21	664
22	665
23	570
24	667
25	666
26	666
27	666
28	666
29	667
30	667
31	667

AVGS: 667

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

DECEMBER 1987

UNIT ONE

Unit One operated the entire month of December at 80% full power for fuel conservation.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR DECEMBER, 1987

DOCKET NO	50-313
UNIT NAME	AND Unit 1
DATE	December, 1987
COMPLETED BY	M. S. Whitt
TELEPHONE	501-964-6670

<u>No.</u>	<u>Date</u>	<u>Type</u> ¹	<u>Duration</u> (Hours)	<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>
None									

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: December, 1987

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. September 1988
3. Scheduled date for restart following refueling. November 1988
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)?
Unknown at this time. Cycle design has not been finalized.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. If necessary, May 1988.
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.
Zircaloy spacer grids, reconstitutable upper end fitting, gray axial power shaping rod assemblies, and "retainerless" assembly design.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 448
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 968 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: 1997 (Loss of fullcore offload capability)



ARKANSAS POWER & LIGHT COMPANY

POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 377-4000

January 15, 1988

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U. S. Nuclear Regulatory Commission
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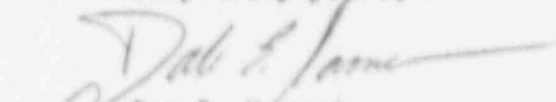
Attn: Mr. Harold S. Bassett, Director
Division of Data Automation
and Management Information

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

Dear Mr. Bassett:

The Arkansas Nuclear One - Unit 1 Monthly Operating Report for
December, 1987 is attached.

Very truly yours,


Dan R. Howard
Manager, Licensing

DHR:MCS:sg

Attachment

cc: U. S. Nuclear Regulatory Commission
Region IV
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