

January 15, 1997

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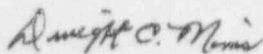
U. S. Nuclear Regulatory Commission  
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Washington, DC 20555

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 December 1996 is attached. This report is submitted in accordance with ANO-1 Technical Specification 6.12.2.3.

Very truly yours,



Dwight C. Mims  
Director, Nuclear Safety

DCM/ead  
attachment

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# OPERATING DATA REPORT

DOCKET NO: 50-313  
 DATE: January 15, 1997  
 COMPLETED BY: M. S. Whitt  
 TELEPHONE: (501) 858-5560

## OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: Dec. 1-31
3. Licensed Thermal Power (MWt): 2,568
4. Nameplate Rating (Gross MWe): 903
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: N/A
9. Power Level To Which Restricted. If Any (Net MWe): None
10. Reasons For Restrictions. If Any: N/A

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period	744.0	8,784.0	192,414.0
12. Number of Hours Reactor Was Critical	744.0	7,663.5	143,768.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,061.0
14. Hours Generator On-Line	744.0	7,613.4	141,368.3
15. Unit Reserve Shutdown Hours	0.0	0.0	834.5
16. Gross Thermal Energy Generated (MWH)	1,905,797	19,053,874	329,622,010
17. Gross Electrical Energy Generated (MWH)	664,588	6,579,331	110,484,805
18. Net Electrical Energy Generated (MWH)	637,755	6,287,019	105,147,494
19. Unit Service Factor	100.0	86.7	73.5
20. Unit Availability Factor	100.0	86.7	73.9
21. Unit Capacity Factor (Using MDC Net)	102.5	85.6	65.4
22. Unit Capacity Factor (Using DER Net)	100.8	84.2	64.3
23. Unit Forced Outage Rate	0.0	4.6	10.0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	None		

25. If Shut Down At End of Report Period. Estimated Date of Startup: N/A
26. Units in Test Status (Prior to Commercial Operation):
 

	Forecast	Achieved
INITIAL CRITICALITY	<u>          </u>	<u>08/06/74</u>
INITIAL ELECTRICITY	<u>          </u>	<u>08/17/74</u>
COMMERCIAL OPERATION	<u>          </u>	<u>12/19/74</u>

### AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO:	50-313
UNIT:	One
DATE:	January 15, 1997
COMPLETED BY:	M. S. Whitt
TELEPHONE:	(501) 858-5560

MONTH December 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	10.0
2	10.0
3	10.0
4	10.0
5	10.0
6	10.0
7	10.0
8	10.0
9	10.0
10	10.0
11	10.0
12	10.0
13	10.0
14	10.0
15	10.0
16	10.0
17	10.0
18	10.0
19	10.0
20	10.0
21	10.0
22	10.0
23	10.0
24	10.0
25	10.0
26	10.0
27	10.0
28	10.0
29	10.0
30	10.0
31	10.0
32	10.0
33	10.0
34	10.0
35	10.0
36	10.0
37	10.0
38	10.0
39	10.0
40	10.0
41	10.0
42	10.0
43	10.0
44	10.0
45	10.0
46	10.0
47	10.0
48	10.0
49	10.0
50	10.0
51	10.0
52	10.0
53	10.0
54	10.0
55	10.0
56	10.0
57	10.0
58	10.0
59	10.0
60	10.0
61	10.0
62	10.0
63	10.0
64	10.0
65	10.0
66	10.0
67	10.0
68	10.0
69	10.0
70	10.0
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72	10.0
73	10.0
74	10.0
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79	10.0
80	10.0
81	10.0
82	10.0
83	10.0
84	10.0
85	10.0
86	10.0
87	10.0
88	10.0
89	10.0
90	10.0
91	10.0
92	10.0
93	10.0
94	10.0
95	10.0
96	10.0
97	10.0
98	10.0
99	10.0
100	10.0

1	.....	860
2	.....	860
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17	.....	858
18	.....	859
19	.....	858
20	.....	832
21	.....	858
22	.....	858
23	.....	858
24	.....	858
25	.....	858
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27	.....	858
28	.....	858
29	.....	858
30	.....	858
31	.....	860

AVGS: 857

### INSTRUCTION

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

**UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT FOR DECEMBER 1996**

DOCKET NO.	<u>50-313</u>
UNIT NAME	<u>Unit 1</u>
DATE	<u>January 15, 1997</u>
COMPLETED BY	<u>M. S. Whitt</u>
TELEPHONE	<u>501-858-5560</u>

<u>NO.</u>	<u>DATE</u>	<u>TYPE<sup>1</sup></u>	<u>DURATION (HOURS)</u>	<u>REASON<sup>2</sup></u>	<u>METHOD OF SHUTTING DOWN REACTOR<sup>3</sup></u>	<u>LICENSEE EVENT REPORT #</u>	<u>SYSTEM CODE<sup>4</sup></u>	<u>COMPONENT CODE<sup>5</sup></u>	<u>CAUSE &amp; CORRECTIVE ACTION TO PREVENT RECURRENCE</u>
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none

1

F: Forced  
S: Scheduled

2

Reason:  
A - Equipment Failure (Explain)  
B - Maintenance of Test  
C - Refueling  
D - Regulatory Restriction  
E - Operator Training & License Examination  
F - Administration  
G - Operational Error  
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-0161)

5

Exhibit I - Same Source

**NRC MONTHLY OPERATING REPORT**  
**OPERATING SUMMARY**  
**DECEMBER 1996**  
**UNIT ONE**

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The unit began the month of December operating at 100% power.

At 0913 hours on the twentieth, a power reduction to 90% was commenced due to traveling screen problems resulting from high shad loading. Following the clearing of the intake screens, the unit commenced a power increase at 1522 hours that same day. The unit reached 100% power at 1700 hours on twentieth.

The unit operated the remainder of the month at 100% power.

### REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown: March 20, 1998
3. Scheduled date for restart following refueling: May 9, 1998
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. 10CFR Section 50.59)?

No, No

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

N/A

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 planned

7. The number of fuel assemblies (a) in the core, (b) in the spent fuel storage pool and (c) dry cask storage:

a) 177                      b) 782                      c) 24

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:

Full core off-load capability no longer available until a sufficient amount of spent fuel can be placed in on-site dry storage.