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January 16, 1996

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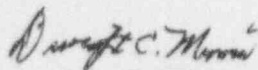
U. S. Nuclear Regulatory Commission
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Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Monthly Operating Report

Gentlemen:

The Arkansas Nuclear One - Unit 2 Monthly Operating Report for December 1995 is attached. This report is submitted in accordance with ANO-2 Technical Specification 6.9.1.6.

Very truly yours,


Dwight C. Mims
Director, Nuclear Safety

DCM/eas

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January 16, 1996
2CAN019602
Page 2

cc: Mr. Leonard J. Callan
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OPERATING DATA REPORT

DOCKET NO: 50-368
 DATE: January 16, 1996
 COMPLETED BY: M. S. Whitt
 TELEPHONE: (501) 858-5560

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 2
2. Reporting Period: December 1-31
3. Licensed Thermal Power (MWt): 2,815
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: N/A
9. Power Level To Which Restricted. If Any (Net MWe): 890
10. Reasons For Restrictions. If Any: Self imposed power restriction to ~ 97.9% power based on T-hot limitations in combination with current steam generator plugging and fouling levels.

	<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. Hours in Reporting Period	744.0	8,760.0	138,216.0
12. Number of Hours Reactor was Critical	733.3	6,909.5	107,470.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	724.0	6,645.0	105,278.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,877,734	17,920,276	280,262,485
17. Gross Electrical Energy Generated (MWH)	631,798	5,980,030	92,349,603
18. Net Electrical Energy Generated (MWH)	601,867	5,682,878	87,880,666
19. Unit Service Factor	97.3	75.9	76.2
20. Unit Availability Factor	97.3	75.9	76.2
21. Unit Capacity Factor (Using MDC Net)	94.3	75.6	74.1
22. Unit Capacity Factor (Using DER Net)	88.7	71.1	69.7
23. Unit Forced Outage Rate	0.0	7.1	10.2
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):
None

	<u>Forecast</u>	<u>Achieved</u>
INITIAL CRITICALITY	_____	<u>12/05/78</u>
INITIAL ELECTRICITY	_____	<u>12/26/78</u>
COMMERCIAL OPERATION	_____	<u>03/26/80</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-368
UNIT: Two
DATE: January 16, 1996
COMPLETED BY: M. S. Whitt
TELEPHONE: (501) 858-5560

MONTH December 1995

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	330
2	619
3	691
4	718
5	108
6	291
7	881
8	884
9	886
10	886
11	893
12	906
13	905
14	904
15	905
16	907
17	907
18	907
19	893
20	889
21	888
22	888
23	887
24	888
25	888
26	889
27	889
28	888
29	888
30	888
31	887

AVGS: 809

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 1995**

DOCKET NO.	<u>50-368</u>
UNIT NAME	<u>ANO Unit 2</u>
DATE	<u>January 16, 1996</u>
COMPLETED BY	<u>M. S. Whitt</u>
TELEPHONE	<u>501-858-5560</u>

<u>NO.</u>	<u>DATE</u>	<u>TYPE¹</u>	<u>DURATION (HOURS)</u>	<u>REASON²</u>	<u>METHOD OF SHUTTING DOWN REACTOR³</u>	<u>LICENSEE EVENT REPORT #</u>	<u>SYSTEM CODE⁴</u>	<u>COMPONENT CODE⁵</u>	<u>CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE</u>
95-12	951205	S	20.0	A	1	N/A	SJ	TRB	Unit taken off-line to allow completion of repairs to the damaged feedwater pump turbine.

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 1995
UNIT TWO

The month began with the unit in a chemistry power hold of 30%.

At 0949 hours on the first, the chemistry hold was cleared and a power escalation of 3% per hour was commenced. The escalation was halted on the second at 0045 hours for power ascension testing. The power escalation was resumed at 0451 hours on the third and a maximum power level of 79%, due to an inoperable main feedwater pump, was reached at 1029 hours. A power decrease was initiated on the fifth at 0000 hours, with the unit taken off line at 1002 hours to place the repaired feedwater pump back in service. At 1440 hours on the fifth, the reactor was manually tripped to allow the "B" reactor coolant pump to be shut off for repairs to a broken component cooling water (CCW) line. Reactor criticality was reestablished at 0122 hours on the sixth following completion of CCW line repairs. The turbine was placed on line at 0601 hours and power was escalated at 6% per hour. Upon reaching 79% power, the power escalation decreased to 3% per hour. The power escalation was stopped on the seventh at 0210 hours due to the T-hot limitation of 600°F.

The unit operated the remainder of the month at 97.9% power.

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 2
2. Scheduled date for next refueling shutdown: March 21, 1997
3. Scheduled date for restart following refueling: May 5, 1997
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)?

Yes, increase fuel enrichment limit from 4.1 weight percent to 5.0 weight percent.

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

June 1996

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 and (b) in the spent fuel storage pool:

a) 177 b) 721

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: 1997 (Loss of full core off-load capability)