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January 17, 2000

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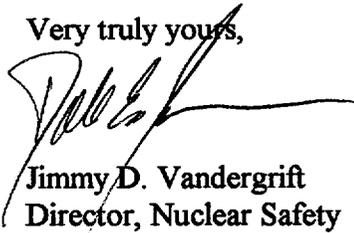
U. S. Nuclear Regulatory Commission
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Subject: Arkansas Nuclear One - Units 1 and 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6
Monthly Operating Report

Gentlemen:

Arkansas Nuclear One (ANO), Units 1 and 2 Technical Specifications 6.12.2.3 and 6.9.1.6, respectively, require the submittal of a Monthly Operating Report. The purpose of this letter is to complete the reporting requirement for December 1999.

Very truly yours,


Jimmy D. Vandergrift
Director, Nuclear Safety

JDV/SLP
Attachment

JE24

cc: Mr. Ellis W. Merschoff
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
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NRC Senior Resident Inspector
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Arkansas Nuclear One

Unit 1

Monthly Operating Report

OPERATING DATA REPORT

DOCKET NO: 50-313
 UNIT: ANO Unit 1
 DATE: Jan. 15, 2000
 COMPLETED BY: Steven L. Coffman
 TELEPHONE: (501) 858-5560

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: December 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: _____
9. Power Level To Which Restricted. If Any (Net MWe): _____
10. Reasons For Restrictions. If Any: _____

	<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. Hours in Reporting Period	744.0	8,760.0	219,451.0
12. Number of Hours Reactor Was Critical	744.0	7,962.8	168,643.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	744.0	7,909.0	166,093.9
15. Unit Reserve Shutdown Hours	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	1,901,833	20,161,613	392,317,171
17. Gross Electrical Energy Generated (MWH)	666,348	7,003,010	132,223,109
18. Net Electrical Energy Generated (MWH)	639,451	6,714,715	125,966,103
19. Unit Service Factor	100.0	90.3	75.7
20. Unit Availability Factor	100.0	90.3	76.1
21. Unit Capacity Factor (Using MDC Net)	102.8	91.7	68.7
22. Unit Capacity Factor (Using DER Net)	101.1	90.2	67.5
23. Unit Forced Outage Rate	0.0	1.5	8.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Scheduled to shutdown January 7, 2000 for approximately 2 days to repair a Reactor Coolant Pump Motor oil leak</u>			

25. If Shut Down At End of Report Period. Estimated Date of Startup: _____
 26. Units in Test Status (Prior to Commercial Operation):
- | | <u>Forecast</u> | <u>Achieved</u> |
|----------------------|-----------------|-----------------|
| INITIAL CRITICALITY | _____ | <u>08/06/74</u> |
| INITIAL ELECTRICITY | _____ | <u>08/17/74</u> |
| COMMERCIAL OPERATION | _____ | <u>12/19/74</u> |

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR December, 1999**

DOCKET NO.	<u>50-313</u>
UNIT NAME	<u>ANO Unit 1</u>
DATE	<u>Jan. 15, 2000</u>
COMPLETED BY	<u>Steven L. Coffman</u>
TELEPHONE	<u>501-858-5560</u>

<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 DOWN</u> <u>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 ACTION TO</u> <u>PREVENT RECURRENCE</u>
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 1999

UNIT ONE

The Unit began the month at full power. At 1930 hours on the tenth, a power reduction to 85% was commenced to perform monthly turbine valve testing. The Unit returned to full power at 0022 hours the following day. At 1054 hours on the thirty-first, a power reduction to ~80% was commenced due to pre-planned Y2K contingencies directed by the dispatcher. The Unit remained at ~80% throughout the remainder of the month.

Note: There were no challenges to the primary system code safeties nor automatic actuations of the electromatic relief valve during this reporting period.

Arkansas Nuclear One

Unit 2

Monthly Operating Report

OPERATING DATA REPORT

DOCKET NO: 50-368
 UNIT: ANO Unit 2
 DATE: Jan. 15, 2000
 COMPLETED BY: Steven L. Coffman
 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: _____
9. Power Level To Which Restricted. If Any (Net MWe): _____
10. Reasons For Restrictions. If Any: _____

	<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. Hours in Reporting Period	<u>744.0</u>	<u>8,760.0</u>	<u>173,280.0</u>
12. Number of Hours Reactor Was Critical	<u>744.0</u>	<u>7,259.2</u>	<u>138,846.8</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>7,220.1</u>	<u>136,558.2</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,085,461</u>	<u>19,894,854</u>	<u>366,439,639</u>
17. Gross Electrical Energy Generated (MWH)	<u>690,096</u>	<u>6,523,038</u>	<u>120,779,371</u>
18. Net Electrical Energy Generated (MWH)	<u>659,649</u>	<u>6,226,870</u>	<u>115,005,738</u>
19. Unit Service Factor	<u>100.0</u>	<u>82.4</u>	<u>78.8</u>
20. Unit Availability Factor	<u>100.0</u>	<u>82.4</u>	<u>78.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>103.3</u>	<u>82.8</u>	<u>77.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.2</u>	<u>77.9</u>	<u>72.8</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>8.6</u>
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):
- | | <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> |

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR December 1999**

DOCKET NO.	<u>50-368</u>
UNIT NAME	<u>ANO Unit 2</u>
DATE	<u>Jan. 15, 2000</u>
COMPLETED BY	<u>Steven L. Coffman</u>
TELEPHONE	<u>501-858-5560</u>

<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 DOWN</u> <u>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 ACTION TO</u> <u>PREVENT RECURRENCE</u>
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 1999

UNIT TWO

The Unit began the month at full power. At 1030 hours on the thirty-first, a power reduction to ~81% was commenced due to pre-planned Y2K contingencies directed by the dispatcher. The Unit remained at ~81% through the end of the month.

Note: There were no challenges to the primary system code safeties nor automatic actuations of the low temperature overpressure protection valves during this reporting period.