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February 15, 2000

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U. S. Nuclear Regulatory Commission
Document Control Desk
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Washington, DC 20555

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
Unit 2 Annual Diesel Generator Report - 1999

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 January 2000. Also, in accordance with ANO Units 1 and 2 Technical Specifications 6.12.2.4 and 6.9.1.5.c, respectively, and NUREG-0737, Item II.I.3.3, attached is the 1999 Annual Report of Failures and Challenges to Pressurizer Safety Valves.

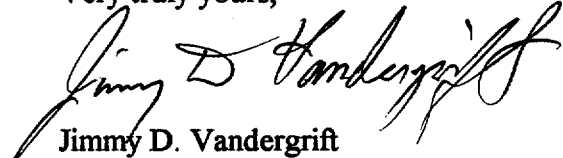
Additionally, ANO Unit 2 Technical Specification 6.9.1.5.d requires an annual submittal of a diesel generator data report for the previous calendar year. This report provides the number of valid tests and the number of valid failures for each diesel generator. This letter will provide this information for calendar year 1999 and satisfy the reporting requirements of Technical Specification 6.9.1.5.d.

Seventeen (17) valid tests were conducted on the 2K-4A diesel generator with no valid failures. Eighteen(18) valid tests were conducted on the 2K-4B diesel generator with one (1) valid failure.

IE24

Should you have questions regarding this submittal, please contact me.

Very truly yours,



Jimmy D. Vandergrift
Director, Nuclear Safety Assurance

JDV/SLP
attachment

cc: Mr. Ellis W. Merschoff
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Arkansas Nuclear One

Unit 1

Monthly Operating Report

OPERATING DATA REPORT

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

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: January 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	<u>744.0</u>	<u>9,504.0</u>	<u>220,195.0</u>
12. Number of Hours Reactor Was Critical	<u>656.0</u>	<u>8,618.8</u>	<u>169,299.3</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>5,044.0</u>
14. Hours Generator On-Line	<u>649.6</u>	<u>8,558.6</u>	<u>166,743.4</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>817.5</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,307,170</u>	<u>21,468,783</u>	<u>393,624,341</u>
17. Gross Electrical Energy Generated (MWH)	<u>454,982</u>	<u>7,457,992</u>	<u>132,678,091</u>
18. Net Electrical Energy Generated (MWH)	<u>434,440</u>	<u>7,149,155</u>	<u>126,400,543</u>
19. Unit Service Factor	<u>87.3</u>	<u>90.1</u>	<u>75.7</u>
20. Unit Availability Factor	<u>87.3</u>	<u>90.1</u>	<u>76.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>69.8</u>	<u>90.0</u>	<u>68.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>68.7</u>	<u>88.5</u>	<u>67.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.4</u>	<u>8.8</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 Scheduled to be shut down Feb 5, 2000 for approximately 9 days to replace a Reactor Coolant Pump Motor anti-reverse rotation device.

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>

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH: January, 2000

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
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1	790
2	863
3	863
4	863
5	863
6	863
7	777
8	0
9	0
10	0
11	0
12	591
13	612
14	612
15	613
16	613
17	613
18	613
19	614
20	611
21	611
22	611
23	611
24	611
25	611
26	611
27	612
28	612
29	612
30	612
31	613

AVGS:	584
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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 January, 2000**

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

<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>
00-01	000107	S	94.43	A	1	N/A	AB	MO	Planned Shutdown to repair a Reactor Coolant oil motor oil leak.
00-02	000112	F	475.97	A	5	N/A	AB	MO	Power Limited to ~72% due to Reactor Coolant Pump anti-reverse rotation device failure

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
JANUARY 2000
UNIT ONE

At 1042 hours on the first, the Unit returned to full power after completing a Y2K contingency power reduction to ~80%. At 2343 hours on the seventh, the Unit was shutdown for a planned maintenance outage to repair a Reactor Coolant Pump Motor oil leak. At 1545 hours on the eleventh, the reactor was taken critical and the turbine was placed on line at 2209 hours that same day. The Unit was limited to ~72 % power for the remainder of the month due to a failure of a Reactor Coolant Pump anti-reverse rotation device.

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

ATTACHMENT

ANNUAL REPORT OF SAFETY VALVE

FAILURES AND CHALLENGES

At approximately 0500 hours on September 14, 1999, the ANO-1 Electromatic Relief Valve was inadvertently opened when a manually generated pressure signal was inserted during the performance of the ESAS 18-month channel calibration. The Unit was in Cold Shutdown, with RCS temperature at 135 degrees F and RCS pressure initially at 175 psig. The ERV successfully reseated and RCS pressure stabilized at approximately 130 psig, with no adverse consequences.

For ANO-1, no other challenges to the primary system code safeties nor automatic actuations of the electromatic relief valve (ERV) have occurred in the year 1999.

Arkansas Nuclear One
Unit 2
Monthly Operating Report

OPERATING DATA REPORT

DOCKET NO: 50-368
 UNIT: ANO Unit 2
 DATE: Feb. 15, 2000
 COMPLETED BY: Steven L. Coffman
 TELEPHONE: (501) 858-5560

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 2
2. Reporting Period: January 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>9,504.0</u>	<u>174,024.0</u>
12. Number of Hours Reactor Was Critical	<u>744.0</u>	<u>8,003.2</u>	<u>139,590.8</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>7,964.1</u>	<u>137,302.2</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>2,086,394</u>	<u>21,981,248</u>	<u>368,526,032</u>
17. Gross Electrical Energy Generated (MWH)	<u>690,874</u>	<u>7,213,912</u>	<u>121,470,245</u>
18. Net Electrical Energy Generated (MWH)	<u>660,426</u>	<u>6,887,296</u>	<u>115,666,164</u>
19. Unit Service Factor	<u>100.0</u>	<u>83.8</u>	<u>78.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>83.8</u>	<u>78.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>103.5</u>	<u>84.5</u>	<u>77.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.3</u>	<u>79.5</u>	<u>72.9</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> |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-368
UNIT: ANO Unit 2
DATE: Feb. 15, 2000
COMPLETED BY: Steven L. Coffman
TELEPHONE: (501) 858-5560

MONTH January 2000

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	791
2	887
3	889
4	890
5	891
6	891
7	891
8	891
9	891
10	891
11	891
12	890
13	891
14	891
15	891
16	889
17	890
18	891
19	891
20	892
21	892
22	892
23	891
24	892
25	892
26	892
27	892
28	892
29	892
30	892
31	891

AVGS: 888

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.

**U UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR January 2000**

DOCKET NO.	<u>50-368</u>
UNIT NAME	<u>ANO Unit 2</u>
DATE	<u>Feb. 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>
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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
JANUARY 2000
UNIT TWO

At 1843 hours on the first, the Unit returned to full power after completing a power reduction at ~81% for Y2K contingencies. The Unit operated the remainder of the month at full power.

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.

ATTACHMENT
ANNUAL REPORT OF SAFETY VALVE
FAILURES AND CHALLENGES

For ANO-2, no challenges to the primary system code safeties nor automatic actuations of the low temperature overpressure protection valves (LTOP's) have occurred in the year 1999.