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November 15, 1999

OCAN119902

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

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 October 1999.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Jimmy D. Vandegriff".

Jimmy D. Vandegriff
Director, Nuclear Safety

JDV/SLP
Attachment

IE24

U.S. NRC
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cc: Mr. Ellis W. Merschoff
Regional Administrator
U. S. Nuclear Regulatory Commission
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Arkansas Nuclear One

Unit 1

Monthly Operating Report

OPERATING DATA REPORT

DOCKET NO: 50-313
 UNIT: ANO Unit 1
 DATE: Nov. 15, 1999
 COMPLETED BY: Steven L. Coffman
 TELEPHONE: (501) 858-5560

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: October 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	745.0	7,296.0	217,987.0
12. Number of Hours Reactor Was Critical	540.8	6,498.8	167,179.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	511.4	6,463.8	164,648.7
15. Unit Reserve Shutdown Hours	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	1,242,728	16,473,707	388,629,266
17. Gross Electrical Energy Generated (MWH)	432,606	5,712,862	130,932,961
18. Net Electrical Energy Generated (MWH)	413,721	5,477,315	124,728,703
19. Unit Service Factor	68.6	88.6	75.5
20. Unit Availability Factor	68.6	88.6	75.9
21. Unit Capacity Factor (Using MDC Net)	66.4	89.8	68.4
22. Unit Capacity Factor (Using DER Net)	65.3	88.3	67.3
23. Unit Forced Outage Rate	0.0	1.8	8.9
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>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: Nov. 15, 1999
COMPLETED BY: Steven L. Coffman
TELEPHONE: (501) 858-5560

MONTH: October, 1999

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>20</u>
11	<u>232</u>
12	<u>577</u>
13	<u>855</u>
14	<u>861</u>
15	<u>861</u>
16	<u>861</u>
17	<u>861</u>
18	<u>858</u>
19	<u>862</u>
20	<u>862</u>
21	<u>862</u>
22	<u>863</u>
23	<u>863</u>
24	<u>863</u>
25	<u>863</u>
26	<u>863</u>
27	<u>863</u>
28	<u>863</u>
29	<u>863</u>
30	<u>863</u>
31	<u>863</u>

AVGS: 555

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 October, 1999**

DOCKET NO.	<u>50-313</u>
UNIT NAME	<u>ANO Unit 1</u>
DATE	<u>Nov. 15, 1999</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>
99-01	991001	S	231.8	C	4	N/A	ZZ	ZZZZZZ	Shutdown for cycle 15 refueling outage
99-02	991011	S	1.8	B	5	N/A	TA	ZZZZZZ	Unit taken off line for Main Turbine Overspeed Trip Test.

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

October 1999

UNIT ONE

The Unit began the month shutdown for 1R15 refueling outage. At 1210 hours on the ninth, the reactor attained criticality. At 1547 hours on the tenth, the turbine was tied to the grid, ending 1R15 refueling outage. At 1040 hours on the eleventh, the Unit was taken off-line for Main Turbine overspeed testing. Following the completion of the overspeed turbine test, the Unit was tied to the grid again at 1231 hours that same day. The Unit achieved full power at 0415 hours on the thirteenth, and continued to operate at full power for 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: Nov. 15, 1999
 COMPLETED BY: Steven L. Coffman
 TELEPHONE: (501) 858-5560

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 2
2. Reporting Period: October 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	745.0	7,296.0	171,816.0
12. Number of Hours Reactor Was Critical	745.0	6,185.5	137,773.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	745.0	6,153.4	135,491.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,096,219	17,067,571	363,612,355
17. Gross Electrical Energy Generated (MWH)	692,918	5,598,734	119,855,067
18. Net Electrical Energy Generated (MWH)	662,424	5,346,035	114,124,903
19. Unit Service Factor	100.0	84.3	78.9
20. Unit Availability Factor	100.0	84.3	78.9
21. Unit Capacity Factor (Using MDC Net)	103.6	85.4	77.4
22. Unit Capacity Factor (Using DER Net)	97.5	80.3	72.8
23. Unit Forced Outage Rate	0.0	0.0	8.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Mid-Cycle Outage 2P99 Scheduled to begin 11/05/99 with an expected duration of 25 days.

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 | _____ | <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: Nov. 15, 1999
COMPLETED BY: Steven L. Coffman
TELEPHONE: (501) 858-5560

MONTH October 1999

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	<u>890</u>
2	<u>889</u>
3	<u>888</u>
4	<u>891</u>
5	<u>892</u>
6	<u>890</u>
7	<u>888</u>
8	<u>887</u>
9	<u>887</u>
10	<u>887</u>
11	<u>887</u>
12	<u>887</u>
13	<u>886</u>
14	<u>889</u>
15	<u>887</u>
16	<u>885</u>
17	<u>891</u>
18	<u>892</u>
19	<u>891</u>
20	<u>891</u>
21	<u>891</u>
22	<u>890</u>
23	<u>892</u>
24	<u>893</u>
25	<u>891</u>
26	<u>890</u>
27	<u>890</u>
28	<u>889</u>
29	<u>889</u>
30	<u>888</u>
31	<u>888</u>

AVGS: 889

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 October 1999**

DOCKET NO.	<u>50-368</u>
UNIT NAME	<u>ANO Unit 2</u>
DATE	<u>Nov. 15, 1999</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
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Entry Sheets for Licensee
Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

NRC MONTHLY OPERATING REPORT

OPERATING SUMMARY

October 1999

UNIT TWO

The Unit operated the entire 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.