Entergy

Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72801
Tel 501 858-5000

January 17, 2000

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U. S. Nuclear Regulatory Commission
Document Control Desk
Mail Station OP1-17
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 December 1999.

Very truly yours,

Jimmy D. Vandergrift
Director, Nuclear Safety

JDV/SLP
Attachment

IE24

cc: Mr. Ellis W. Merschoff
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

NRC Senior Resident Inspector
Arkansas Nuclear One
P.O. Box 310
London, AR 72847

Mr. M. Christopher Nolan
NRR Project Manager Region IV/ANO-1
U. S. Nuclear Regulatory Commission
NRR Mail Stop 04-D-03
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Mr. Thomas Alexion
NRR Project Manager Region IV/ANO-2
U. S. Nuclear Regulatory Commission
NRR Mail Stop 04-D-03
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

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:

		MONTH	YR-TO-DATE	CUMULATIVE
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):
Scheduled to shutdown January 7, 2000 for approximately 2 days to repair a Reactor Coolant Pump Motor oil leak

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		08/06/74
INITIAL ELECTRICITY		08/17/74
COMMERCIAL OPERATION		12/19/74

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH: December, 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	863
2	863
3	864
4	863
5	863
6	863
7	863
8	863
9	863
10	847
11	862
12	862
13	863
14	863
15	864
16	863
17	863
18	863
19	864
20	863
21	863
22	862
23	863
24	863
25	863
26	863
27	863
28	863
29	863
30	863
31	770
AVGS:	859

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, 1999

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

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR[3]	LICENSEE EVENT REPORT #	SYSTEM CODE[4]	COMPONENT CODE[5]	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
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:

		MONTH	YR-TO-DATE	CUMULATIVE
11.	Hours in Reporting Period	744.0	8,760.0	173,280.0
12.	Number of Hours Reactor Was Critical	744.0	7,283.2	138,870.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	744.0	7,220.1	136,558.2
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,085,461	19,894,854	366,439,639
17.	Gross Electrical Energy Generated (MWH)	690,096	6,523,038	120,779,371
18.	Net Electrical Energy Generated (MWH)	659,649	6,226,870	115,005,738
19.	Unit Service Factor	100.0	82.4	78.8
20.	Unit Availability Factor	100.0	82.4	78.8
21.	Unit Capacity Factor (Using MDC Net)	103.3	82.8	77.4
22.	Unit Capacity Factor (Using DER Net)	97.2	77.9	72.8
23.	Unit Forced Outage Rate	0.0	0.0	8.6

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):

	Forecast	Achieved
INITIAL CRITICALITY		12/05/78
INITIAL ELECTRICITY		12/26/78
COMMERCIAL OPERATION		03/26/80

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH December 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	890
2	889
3	888
4	887
5	892
6	891
7	891
8	890
9	890
10	890
11	891
12	891
13	890
14	891
15	891
16	891
17	891
18	891
19	891
20	891
21	891
22	891
23	890
24	890
25	890
26	889
27	890
28	891
29	890
30	890
31	779
AVGS:	887

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 1999

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

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR[3]	LICENSEE EVENT REPORT #	SYSTEM CODE[4]	COMPONENT CODE[5]	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
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.