



Entergy

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U. S. Nuclear Regulatory Commission  
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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 - 2000

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 2001. 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.K.3.3, attached is the 2000 Annual Report of Failures and Challenges to Pressurizer Safety Valves.

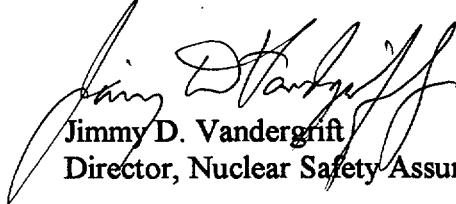
Additionally, ANO Unit 2 Technical Specification 6.9.1.5.d requires an annual submittal of a diesel generator data report for the previous calendar year. This report provides the number of valid tests and the number of valid failures for each diesel generator. This letter will provide this information for calendar year 2000 and satisfy the reporting requirements of Technical Specification 6.9.1.5.d.

Fifteen valid tests were conducted on the 2K-4A diesel generator with no valid failures. Nineteen valid tests were conducted on the 2K-4B diesel generator with no valid failures.

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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## OPERATING DATA REPORT

**DOCKET NO.** 50-313  
**UNIT NAME** Arkansas Nuclear One - Unit 1  
**DATE** February 15, 2001  
**COMPLETED BY** Steven L. Coffman  
**TELEPHONE** (501) 858-5560

**REPORTING PERIOD:** January 2001

- |    |  |            |
|----|--|------------|
| 1. | Design Electrical Rating (MWe-Net):    | <u>850</u> |
| 2. | Maximum Dependable Capacity (MWe-Net): | <u>836</u> |

		<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
3.	Number of Hours Reactor Was Critical	<u>710.6</u>	<u>710.6</u>	<u>177,140.2</u>
4.	Number of Hours Generator On-Line	<u>685.9</u>	<u>685.9</u>	<u>174,528.7</u>
5.	Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>817.5</u>
6.	Net Electrical Energy Generated (MWh)	<u>585,078</u>	<u>585,078</u>	<u>132,961,322</u>

### UNIT SHUTDOWNS

<u>No.</u>	<u>Date</u>	<u>Type</u> F: Forced S: Scheduled	<u>Duration</u> (Hours)	<u>Reason</u> <sup>1</sup>	<u>Method of</u> <u>Shutting</u> <u>Down</u> <sup>2</sup>	<u>Cause &amp; Corrective Action</u> <u>Comments</u>
2001-01	010105	F	58.1	A	2	The Unit was manually tripped because of a ruptured hydrogen line on the Main Generator.

**SUMMARY:** The Unit began the month at full power. At 0845 hours on 01/05/01, a power reduction was commenced due to increasing Main Generator hydrogen leakage. At 0848 hours that same day, the Unit was manually tripped when Main Generator hydrogen leakage increased rapidly. After repairs were made to a Main Generator hydrogen line, the Unit was brought back on line on 01/07/01, and achieved full power on 01/08/01. 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 electromatic relief valve during the year 2000 reporting period.

1

**Reason:**

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refueling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

2

**Method:**

- 1 Manual
- 2 Manual Trip/Scram.
- 3 Automatic Trip/Scram.
- 4 Continuation
- 5 Other (Explain)

## OPERATING DATA REPORT

**DOCKET NO.** 50-368  
**UNIT NAME** Arkansas Nuclear One - Unit 2  
**DATE** February 15, 2001  
**COMPLETED BY** Steven L. Coffman  
**TELEPHONE** (501) 858-5560

**REPORTING PERIOD:** January 2001

1. **Design Electrical Rating (MWe-Net):** 912  
 2. **Maximum Dependable Capacity (MWe-Net):** 858

	<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
3. <b>Number of Hours Reactor Was Critical</b>	619.9	619.9	145,643.1
4. <b>Number of Hours Generator On-Line</b>	518.9	518.9	143,155.7
5. <b>Unit Reserve Shutdown Hours</b>	0.0	0.0	0.0
6. <b>Net Electrical Energy Generated (MWh)</b>	449,347	449,347	120,720,434

### UNIT SHUTDOWNS

<u>No.</u>	<u>Date</u>	<u>Type</u> <u>F: Forced</u> <u>S: Scheduled</u>	<u>Duration</u> <u>(Hours)</u>	<u>Reason</u> <sup>1</sup>	<u>Method of</u> <u>Shutting</u> <u>Down</u> <sup>2</sup>	<u>Cause &amp; Corrective Action</u> <u>Comments</u>
2001-01	010112	F	12.6	A	5	Turbine taken offline from 30% for high vibrations while the reactor remained critical.
2001-02	010113	F	44.6	A	5	Turbine taken offline for high vibrations while the reactor remained critical.
2001-03	010115	F	9.6	A	5	Turbine taken offline for high vibrations while the reactor remained critical.
2001-04	010115	F	12.5	A	5	Turbine taken offline for high vibrations while the reactor remained critical.
2001-05	010117	F	145.8	A	2	Condenser tube leakage increased. The Unit was taken to Mode 4 for condenser repairs.

**SUMMARY:** The Unit began the month at full power. On 01/11/01, power was reduced to 88% to isolate a condenser water box and locate a suspected condenser tube leak. Power was reduced to 30% when the condenser tube leak increased. Vibrations on the Main Turbine increased at this power level due to tight shaft seal clearances, which had been modified during a recent turbine uprate. On 01/12/01, the Main Turbine was taken off line due to high vibrations, while the reactor remained critical. Condenser tube leaks were repaired and attempts were made to tie the turbine on line and increase power between 01/12/01 and 01/16/01, but high vibrations necessitated taking the turbine back off line several times. On 01/16/01, the turbine was tied back on line and power ascension was in progress until condenser tube leakage began to elevate again. The Turbine was taken off line and the Reactor was manually shutdown on 01/17/01. The Unit was taken to mode 4, where condenser inspection and repairs were performed. After repairs to the condenser, the Unit was brought back on line on 01/23/01 and achieved full power on 01/24/00. The Unit operated 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 low temperature overpressure protection valves during the year 2000 reporting period.

1

**Reason:**

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refueling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

2

**Method:**

- 1 Manual
- 2 Manual Trip/Scram.
- 3 Automatic Trip/Scram.
- 4 Continuation
- 5 Other (Explain)