



**Entergy  
Operations**

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February 15, 1993

1CAN029302

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Mail Station P1-137  
Washington, DC 20555

Subject: Arkansas Nuclear One - Unit 1  
Docket No. 50-313  
License No. DPR-51  
Monthly Operating Report

Gentlemen:

The Arkansas Nuclear One - Unit 1 Monthly Operating Report (MOR) for January, 1993 is attached. This report is submitted in accordance with ANO-1 Technical Specification 6.12.2.3. Also, in accordance with ANO-1 Technical Specification 6.12.2.4 and NUREG-0737, Item II.K.3.3, attached is the 1992 Annual Report of Safety and Relief Valve Failures and Challenges.

Very truly yours,

James J. Fisicaro  
Director, Licensing

JJF/JRH/jt  
Attachment

9302220423 930131  
PDR ADOCK 05000313  
R PDR

*JE 24*

U. S. NRC  
February 15, 1993  
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cc: Mr. James L. Milhoan  
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U. S. Nuclear Regulatory Commission  
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# OPERATING DATA REPORT

DOCKET NO: 50-313  
 DATE: February 4, 1993  
 COMPLETED BY: K. R. Hayes  
 TELEPHONE: (501) 964-5535

## OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: January 1-31, 1993
3. Licensed Thermal Power (MWt): 2,568
4. Nameplate Rating (Gross MWe): 902.74
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): None
10. Reasons For Restrictions. If Any: None

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period .....	744.0	744.0	158851.0
12. Number of Hours Reactor was Critical .....	744.0	744.0	113743.0
13. Reactor Reserve Shutdown Hours .....	0.0	0.0	5044.0
14. Hours Generator On-Line .....	744.0	744.0	111565.7
15. Unit Reserve Shutdown Hours ....	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH) .....	1909789	1909789	255046943
17. Gross Electrical Energy Generated (MWH) .....	656610	656610	85034480
18. Net Electrical Energy Generated (MWH) .....	629773	629773	80830374
19. Unit Service Factor .....	100.0	100.0	70.2
20. Unit Availability Factor .....	100.0	100.0	70.7
21. Unit Capacity Factor (Using MDC Net) .....	101.3	101.3	60.9
22. Unit Capacity Factor (Using DEC Net) .....	99.6	99.6	59.9
23. Unit Forced Outage Rate .....	0.0	0.0	11.7
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	_____	08/06/74
INITIAL ELECTRICITY	_____	08/17/74
COMMERCIAL OPERATION	_____	12/19, '74

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-313  
UNIT: One  
DATE: February 4, 1993  
COMPLETED BY: K. R. Hayes  
TELEPHONE: (501) 964-5535

MONTH January, 1993

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	846
2	846
3	847
4	847
5	847
6	847
7	847
8	846
9	847
10	847
11	847
12	847
13	847
14	847
15	844
16	847
17	846
18	846
19	847
20	847
21	846
22	847
23	846
24	846
25	846
26	847
27	846
28	846
29	846
30	847
31	846

AVGS: 846

## 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.

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## NRC MONTHLY OPERATING REPORT

### OPERATING SUMMARY

JANUARY 1993

#### UNIT ONE

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Unit one began the month operating at 100% power. On the fifteenth at 19:02 hours, the unit load was decreased to 95% to perform scheduled testing of the turbine throttle/governor valves. The unit power was then returned to 100% power at 20:40 hours on the same day. The unit operated at full power for the remainder of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT FOR JANUARY, 1993

DOCKET NO. 50-313  
UNIT NAME ANO Unit 1  
DATE February 2, 1993  
COMPLETED BY K. R. Hayes  
TELEPHONE 501-964-5535

<u>NO.</u>	<u>DATE</u>	<u>TYPE<sup>1</sup></u>	<u>DURATION (HOURS)</u>	<u>REASON<sup>2</sup></u>	<u>METHOD OF SHUTTING DOWN REACTOR<sup>3</sup></u>	<u>LICENSEE EVENT REPORT #</u>	<u>SYSTEM CODE<sup>4</sup></u>	<u>COMPONENT CODE<sup>5</sup></u>	<u>CAUSE &amp; CORRECTIVE ACTION TO 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

DATE: January, 1993

### REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. September 17, 1993
3. Scheduled date for restart following refueling. November 12, 1993
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? If answer is yes, what, in general, will there be? If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?  
  
Yes, Technical Specification change to increase fuel enrichment from 3.5% to 4.1%
5. Scheduled date(s) for submitting proposed licensing action and supporting information. The Technical Specification change request was submitted to the NRC on June 27, 1991 (1CAN069108).
6. Important licensing considerations associated with refueling, e.g., new or different fuel design, or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.  
  
None.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 625
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.  
  
present 968 increase size by 0
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.  
  
DATE: 1995 (Loss of fullcore offload capability)

## **ATTACHMENT**

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### **ANNUAL REPORT OF SAFETY**

### **AND RELIEF VALVE**

### **FAILURES AND CHALLENGES**

### **UNIT ONE**

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This annual report is submitted in the January Monthly Operating Report in response to requirements implemented as a result of NUREG-0737, Item II.K.3.3 and to full Technical Specification reporting requirements (TS 6.12.2.4 for Unit 1).

For ANO-1, no challenges to the primary system code safeties or electromatic relief valve (ERV) have occurred in the year 1992.