

February 18, 1997

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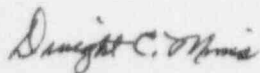
U. S. Nuclear Regulatory Commission
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Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Monthly Operating Report

Gentlemen:

The Arkansas Nuclear One - Unit 2 Monthly Operating Report for January 1997 is attached. This report is submitted in accordance with ANO-2 Technical Specification 6.9.1.6. Also, in accordance with ANO-2 Technical Specification 6.9.1.5.c and NUREG-0737, Item II.K.3.3, attached is the 1996 Annual Report of Failures and Challenges to Pressurizer Safety Valves.

Very truly yours,



Dwight C. Mims
Director, Nuclear Safety

DCM/ead
attachment

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OPERATING DATA REPORT

DOCKET NO: 50-368
 DATE: February 18, 1997
 COMPLETED BY: M. S. Whitt
 TELEPHONE: (501) 858-5560

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 2
2. Reporting Period: Jan. 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): 884
10. Reasons For Restrictions. If Any: Self imposed power restriction to ~ 97.0% power based on T-hot limitations in combination with steam generator plugging and fouling levels

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period	744.0	744.0	147,744.0
12. Number of Hours Reactor Was Critical	744.0	744.0	116,278.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	114,071.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,031,469	2,031,469	304,366,886
17. Gross Electrical Energy Generated (MWH)	688,146	688,146	100,439,391
18. Net Electrical Energy Generated (MWH)	657,608	657,608	95,602,172
19. Unit Service Factor	100.0	100.0	77.2
20. Unit Availability Factor	100.0	100.0	77.2
21. Unit Capacity Factor (Using MDC Net)	103.0	103.0	75.4
22. Unit Capacity Factor (Using DER Net)	96.9	96.9	71.0
23. Unit Forced Outage Rate	0.0	0.0	10.0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling Outage 2R12 scheduled to begin May 9, 1997, with an expected duration of 45 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	_____	12/05/78
INITIAL ELECTRICITY	_____	12/26/78
COMMERCIAL OPERATION	_____	03/26/80

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-368
UNIT: Two
DATE: February 18, 1997
COMPLETED BY: M. S. Whitt
TELEPHONE: (501) 858-5560

MONTH January, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>882</u>
2	<u>880</u>
3	<u>879</u>
4	<u>880</u>
5	<u>884</u>
6	<u>884</u>
7	<u>885</u>
8	<u>886</u>
9	<u>885</u>
10	<u>884</u>
11	<u>885</u>
12	<u>885</u>
13	<u>885</u>
14	<u>885</u>
15	<u>885</u>
16	<u>885</u>
17	<u>885</u>
18	<u>885</u>
19	<u>884</u>
20	<u>884</u>
21	<u>882</u>
22	<u>883</u>
23	<u>884</u>
24	<u>884</u>
25	<u>885</u>
26	<u>884</u>
27	<u>883</u>
28	<u>885</u>
29	<u>885</u>
30	<u>885</u>
31	<u>883</u>

AVGS: 884

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 1997**

DOCKET NO.	<u>50-368</u>
UNIT NAME	<u>ANO Unit 2</u>
DATE	<u>February 18, 1997</u>
COMPLETED BY	<u>M. S. Whitt</u>
TELEPHONE	<u>501-858-5560</u>

<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>
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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 1997
UNIT TWO

The unit operated the entire month of January at 97% power.

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 2
2. Scheduled date for next refueling shutdown: May 9, 1997
3. Scheduled date for restart following refueling: June 23, 1997
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. 10CFR Section 50.59)?

Yes, revise RCS volume; add methodology reference to the Core Operating Limits Report methodology list; and change tolerance for when core protection calculator power indications must be adjusted to calorimetric results.

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

RCS volume, methodology references, and power adjustment tolerance submitted December 1996.

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.

Fuel enrichment change approved in TS amendment 178 dated January 14, 1997.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

a) 177 b) 721

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 988 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: 1997 (Loss of full core off-load capability)

ATTACHMENT
ANNUAL REPORT OF SAFETY VALVE
FAILURES AND CHALLENGES

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 fulfill technical specification (TS) reporting requirements (TS 6.9.1.5.C).

For ANO-2, no challenges to the primary system code safeties or LTOP relief valves occurred during calendar year 1996.