

February 15, 1995

1CAN029505

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 1995 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 1994 Annual Report of Safety and Relief Valve Failures and Challenges.

Very truly yours,

Dwight C. Mims

Dwight C. Mims
Director, Licensing

DCM/dwb

Attachments

220000

9502220149 950131
PDR ADOCK 05000313
R PDR

IR24
1/1

cc: Mr. Leonard J. Callan
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
1448 S. R. 333
Russellville, AR 72801

Mr. George Kalman
NRR Project Manager Region IV/ANO-1 & 2
U. S. Nuclear Regulatory Commission
NRR Mail Stop 13-H-3
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

OPERATING DATA REPORT

DOCKET NO: 50-313
 DATE: February 15, 1995
 COMPLETED BY: K. R. Hayes
 TELEPHONE: (501) 858-5535

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: January 1-31, 1995
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

	<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. Hours in Reporting Period	744.0	744.0	176,371.0
12. Number of Hours Reactor was Critical	744.0	744.0	130,000.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	744.0	744.0	127,732.0
15. Unit Reserve Shutdown Hours	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	1,396,496.6	1,396,496.6	295,550,385.8
17. Gross Electrical Energy Generated (MWH)	474,290.0	474,290.0	98,786,210.0
18. Net Electrical Energy Generated (MWH)	452,516.0	452,516.0	93,978,213.0
19. Unit Service Factor	100.0	100.0	72.4
20. Unit Availability Factor	100.0	100.0	72.9
21. Unit Capacity Factor (Using MDC Net)	72.8	72.8	63.7
22. Unit Capacity Factor (Using DER Net)	71.6	71.6	62.7
23. Unit Forced Outage Rate	0.0	0.0	10.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling outage 1R12 began on February 14, 1995. Restart is scheduled for April 7, 1995.</u>			
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: One
DATE: February 15, 1995
COMPLETED BY: K. R. Hayes
TELEPHONE: (501)858-5535

MONTH January 1995

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	807
2	587
3	602
4	603
5	602
6	603
7	601
8	601
9	601
10	602
11	603
12	602
13	602
14	601
15	601
16	602
17	601
18	601
19	601
20	602
21	602
22	602
23	602
24	603
25	604
26	603
27	603
28	603
29	603
30	603
31	603

AVGS: 608

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.

NRC MONTHLY OPERATING REPORT

OPERATING SUMMARY

JANUARY 1995

UNIT ONE

Arkansas Nuclear One, Unit One, began the month operating at 100% power. On the first, at 21:22 hours, plant power was decreased to 60% due to indications of failure in the "B" Reactor Coolant Pump (RCP) Motor bearings. The plant was stabilized at 60% power and the "B" RCP was stopped at 21:30 hours. On the second at 05:08 hours the unit power was increased to 72.5% power. The unit operated at this power for the remainder of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR January 1995

DOCKET NO.	50-313
UNIT NAME	ANO Unit 1
DATE	February 15, 1995
COMPLETED BY	K. R. Hayes
TELEPHONE	501-964-5535

<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>
95-01	950101	F	0	A	5	N/A	AB	MO	Failure of the B Reactor Coolant Pump Motor bearings resulted in 3 RC pump operation at 72% power.

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 1995

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown: February 14, 1995
3. Scheduled date for restart following refueling: April 7, 1995
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)?

Technical Specification change to relocate additional cycle specific parameters to the Core Operating Limits Report (COLR). Technical Specification change to allow modification of the vital instrument electrical power system.

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

These changes were submitted August 30, 1994.

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 planned

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

a) 177 b) 745

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: 1996 (Loss of full core off-load capability)

ATTACHMENT

ANNUAL REPORT OF SAFETY VALVE

AND RELIEF 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 reporting requirements (TS 6.12.2.4).

For ANO-1, there were no failures or challenges to the primary system code safeties or automatic actuations of the electromatic relief valve (ERV) during 1994.