



Arkansas Power & Light Company  
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Tel 501 377 4000

March 15, 1990

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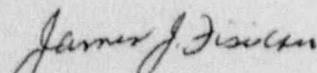
U. S. Nuclear Regulatory Commission  
Document Control Desk  
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Washington, D.C. 20555

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 for February, 1990 is attached.

Very truly yours,

  
James J. Fisicaro  
Manager, Licensing

JJF/SAB/lw  
Attachment  
cc:

Mr. Robert D. Martin  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, TX 76011

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OPERATING DATA REPORT

DOCKET NO: 50-313  
 DATE: February, 1990  
 COMPLETED BY: D. A. Schaubroeck  
 TELEPHONE: (501) 964-3743

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: February 1-28, 1990
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): 835
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): 80%
10. Reasons For Restrictions. If Any (Net MWe): A License Amendment was issued limiting operation to 80% due to a newly identified small break LOCA in the High Pressure Injection Line Piping.

	<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. Hours in Reporting Period ....	672.0	1,416.0	133,219.0
12. Number of Hours Reactor was Critical .....	672.0	1,416.0	92,627.2
13. Reactor Reserve Shutdown Hours .....	0.0	0.0	5,044.0
14. Hours Generator On-Line .....	671.9	1,391.2	90,691.1
15. Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH) .....	1,364,842.0	2,802,199.0	204,826,654.0
17. Gross Electrical Energy Generated (MWH) .....	465,120.0	952,825.0	68,005,300.0
18. Net Electrical Energy Generated (MWH) .....	441,522.0	903,095.0	64,615,345.0
19. Unit Service Factor .....	100.0	98.2	68.1
20. Unit Availability Factor .....	100.0	96.2	68.7
21. Unit Capacity Factor (Using MDC Net) .....	78.6	76.3	59.0
22. Unit Capacity Factor (Using DER Net) .....	77.3	75.0	57.1
23. Unit Forced Outage Rate .....	0.0	1.8	13.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): None			

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	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-313  
UNIT: One  
DATE: February, 1990  
COMPLETED BY: D.A. Schaubroeck  
TELEPHONE: (501) 964-3743

MONTH February, 1990

DAY            AVERAGE DAILY POWER LEVEL  
                  (MWe-Net)

1 .....	664
2 .....	665
3 .....	565
4 .....	665
5 .....	665
6 .....	665
7 .....	665
8 .....	664
9 .....	664
10 .....	664
11 .....	664
12 .....	664
13 .....	665
14 .....	666
15 .....	664
16 .....	631
17 .....	556
18 .....	661
19 .....	662
20 .....	663
21 .....	663
22 .....	664
23 .....	664
24 .....	665
25 .....	665
26 .....	664
27 .....	664
28 ..	607

AVGS: 657

INSTRUCTION

On this format, list the average daily unit power level in MWe-Net for each day in reporting month. Compute to the nearest whole megawatt.

NRC MONTHLY OPERATING REPORT

OPERATING SUMMARY

FEBRUARY 1990

UNIT ONE

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The unit began the month limited to 80% power based on an analysis pertaining to a postulated High Pressure Injection Line Break.

On the sixteenth at 2000 hours, a reduction to approximately 25% power was commenced for turbine governor valve and throttle valve testing. The unit was returned to 80% power on the seventeenth at 0730 hours.

The unit operated at 80% power until the twenty-eighth at 2015 hours. At this time, a power reduction was commenced to take the unit off line due to a leaking service water coil in a containment cooler. The unit was removed from service on the twenty-eighth at 2355 hours and remained off line through the end of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT FOR FEBRUARY, 1990

DOCKET NO 50-313  
 UNIT NAME One  
 DATE February, 1990  
 COMPLETED BY D. A. Schaubroeck  
 TELEPHONE (501)964-3743

<u>No.</u>	<u>Date</u>	<u>Type</u> <sup>1</sup>	<u>Duration</u> <u>(Hours)</u>	<u>Reason</u> <sup>2</sup>	<u>Method of</u> <u>Shutting</u> <u>Down Reactor</u> <sup>3</sup>	<u>Licensee</u> <u>Event</u> <u>Report #</u>	<u>System</u> <u>Code</u> <sup>4</sup>	<u>Component</u> <u>Code</u> <sup>5</sup>	<u>Cause &amp; Corrective</u> <u>Action To</u> <u>Prevent Recurrence</u>
90-03	900228	F	0.1	A	1	1-90-001	BI	CCL	The unit was off line for work on a leaking coil in a containment cooler.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training &  
 License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuation  
 5-Load Reduction  
 9-Other

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 1022)  
<sup>5</sup>  
 Exhibit I - Same Source

DATE: February, 1990

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. September, 1990
3. Scheduled date for restart following refueling. December, 1990
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)?

Normal Technical Specification changes associated with submission of the ANO-1 Cycle 10 Reload Report.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. July, 1990
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.

A debris resistant, extended solid end cap design fuel rod will be used in the reload fuel batch.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 508
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: 1994 (Loss of fullcore offload capability)