



Arkansas Power & Light Company
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March 15, 1990

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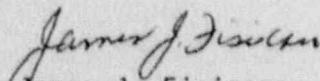
U. S. Nuclear Regulatory Commission
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SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Monthly Operating Report

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): 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): 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.

	MONTH	YR-TO-DATE	CUMULATIVE
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)	76.6	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):

	Forecast	Achieved
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

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> ¹	<u>Duration</u> (Hours)	<u>Reason</u> ²	<u>Method of</u> <u>Shutting</u> <u>Down 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</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.

¹
F: Forced
S: Scheduled

²
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)

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-
1022)
⁵
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)