



ARKANSAS POWER & LIGHT COMPANY  
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 377-4000

June 15, 1989

2CAN068917

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Mail Stop P1-137  
Washington, D.C. 20555

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 May, 1989 is attached.

Very truly yours,

Dale E. James  
Supervisor, Licensing

DEJ:MCS:lg

Attachment

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

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555  
ATTN: Mr. James M. Taylor, Deputy Executive  
Director For Regional Operations

8906200205 890531  
PDR ADOCK 05000368  
R PNU

IE24  
1/1

OPERATING DATA REPORT

DOCKET NO: 50-368  
 DATE: May, 1989  
 COMPLETED BY: M. S. Whitt  
 TELEPHONE: (501) 964-3743

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 2
2. Reporting Period: May 1-31, 1989
3. Licensed Thermal Power (Mw): 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): None
10. Reasons For Restrictions. If Any: None

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period ....	744.0	3,523.0	80,495.0
12. Number of Hours Reactor was Critical .....	596.3	3,012.7	58,766.8
13. Reactor Reserve Shutdown Hours .....	0.0	0.0	1,430.1
14. Hours Generator On-Line .....	592.9	3,004.9	57,267.8
15. Unit Reserve Shutdown Hours ..	0.0	0.0	75.0
16. Gross Thermal Energy Generated (MWH) .....	1,461,593.0	8,030,087.0	148,674,372.0
17. Gross Electrical Energy Generated (MWH) .....	472,365.0	2,645,920.0	48,855,826.0
18. Net Electrical Energy Generated (MWH) .....	447,182.0	2,519,227.0	46,425,835.0
19. Unit Service Factor .....	79.7	82.9	71.1
20. Unit Availability Factor .....	79.7	82.9	71.2
21. Unit Capacity Factor (Using MDC Net) .....	70.1	81.0	67.2
22. Unit Capacity Factor (Using DER Net) .....	65.9	76.2	63.2
23. Unit Forced Outage Rate .....	20.3	17.1	14.2
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>An approximately eight (8) week refueling outage is scheduled to begin September 15, 1989.</u>		
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: 50-368  
 UNIT: Two  
 DATE: May, 1989  
 COMPLETED BY: M. S. Whitt  
 TELEPHONE: (501) 964-3743

MONTH May, 1989

DAY            AVERAGE DAILY POWER LEVEL  
                   (MWe-Net)

1	- 6
2	- 8
3	- 9
4	- 10
5	- 24
6	- 26
7	52
8	184
9	307
10	859
11	381
12	582
13	883
14	879
15	877
16	820
17	626
18	598
19	592
20	660
21	866
22	877
23	875
24	874
25	873
26	876
27	883
28	878
29	873
30	872
31	872

AVGS: 601

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

MAY 1989

UNIT TWO

---

Unit Two began the month shutdown for repair of a steam line rupture in the second stage extraction line of the High Pressure Turbine.

At 0706 hours on the seventh, the unit was placed on line, and achieved 100% power at 0720 hours on the tenth. At 1830 hours on the sixteenth, a power reduction to 70% was commenced due to a condenser tube leak. After locating and plugging the leaking tube, the unit was brought back up to 100% power on the twentieth at 0434 hours.

The unit remained at 100% power through the end of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT FOR MAY, 1989

50-368  
AND Unit 2  
May, 1989  
M. S. Whitt  
501-964-3743

DOCKET NO.  
UNIT NAME  
DATE  
COMPLETED BY  
TELEPHONE

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
89-03	05/01/89	F	151.1	A	3	2-89-007	SE	PSF	Turbine/Reactor trip due to a high pressure steam line rupture in the 2nd Stage Extraction Line of the H.P. Turbine. The extraction lines of the H.P. Turbine were examined, and piping was replaced where the results of the examination deemed it necessary.
89-04	05/16/89	F	N/A	A	N/A	N/A	SG	TBG	Power reduced to search for a condenser tube leak.

1	2	3	4	5
F: Forced S: Scheduled	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)	Method: 1-Manual 2-Manual Scram. 3-Automatic Scram. 4-Continuation 5-Load Reduction 9-Other	Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-1022)	Exhibit I - Same Source

DATE: May, 1989

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 2

2. Scheduled date for next refueling shutdown. September, 1989

3. Scheduled date for restart following refueling. November, 1989

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)? Expect to submit change requiring closer agreement between CPC at power and LPL nuclear power with calorimetric calibration at low power.

Expect to submit change requiring closer agreement between CPC  $\Delta T$  power and CPC nuclear power with calorimetric calibration at low power.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. June, 1989

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.

To obtain the planned cycle length of 420 EFPD, it will be necessary to raise the current fuel assembly/peak rod burnup limits. A report justifying an increase will be submitted in June, 1989.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 357

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: 1996 (Loss of fullcore offload capability)