



ARKANSAS POWER & LIGHT COMPANY

POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

November 15, 1984

ICAN118408

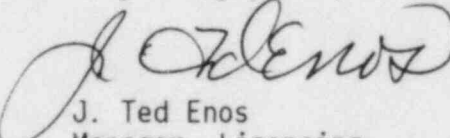
Mr. Harold S. Bassett, Director
Division of Data Automation
and Management Information
Office of Resource Management
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Monthly Operating Report
(File: 0520.1)

Gentlemen:

Attached is the NRC Monthly Operating Report for October 1984 for Arkansas Nuclear One - Unit 1.

Very truly yours,


J. Ted Enos
Manager, Licensing

JTE:SAB:ac

Attachment

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

Mr. Richard C. DeYoung
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, DC 20555

8412120630 841127
PDR ADCK 05000313
R PDR

OPERATING DATA REPORT

DOCKET NO: 50-313
 DATE: November 1984
 COMPLETED BY: K. L. Morton
 TELEPHONE: 501-964-3115

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: October 1-31, 1984
3. Licensed Thermal Power (MWt): 2568
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

	MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period	745.0	7,320.0	86,515.0
12. Number of Hours Reactor was Critical	278.0	6,222.4	58,657.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	272.9	6,153.3	57,403.5
15. Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	552,260.0	14,432,515.0	136,352,816.0
17. Gross Electrical Energy Generated (MWH)	183,771.0	4,823,906.0	44,962,271.0
18. Net Electrical Energy Generated (MWH)	174,317.0	4,604,135.0	42,862,523.0
19. Unit Service Factor	36.6	84.1	66.4
20. Unit Availability Factor	36.6	84.1	67.3
21. Unit Capacity Factor (Using MDC Net)	28.0	75.2	59.3
22. Unit Capacity Factor (Using DER Net)	27.5	74.0	58.3
23. Unit Forced Outage Rate	4.8	1.2	14.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>ANO-1 presently shutdown for 1R6 refueling and maintenance outage which began October 12, 1984, and is scheduled to restart December 22, 1984.</u>			
25. If Shut Down At End of Report Period. Estimated Date of Startup: <u>December 22, 1984</u>			
26. Units in Test Status (Prior to Commercial Operation):			

Forecast Achieved

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

DUP 8412110542

IE 24
1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-313
 UNIT: One
 DATE: November 1984
 COMPLETED BY: K. L. Morton
 TELEPHONE: 501-964-3115

MONTH October 1984

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	685
2	682
3	685
4	684
5	269
6	284
7	670
8	684
9	683
10	687
11	686
12	564
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

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

OCTOBER 1984

UNIT 1

The unit started the month at 84% power with power limited due to the high operating level in the "A" OTSG. The unit operated there until 0923 hours on October 5th when a trip occurred due to a loss of the 1H1 bus. The root cause of the trip was attributed to personnel error. The unit was returned on line at 2311 hours the same day and reached 84% power at 0445 hours on October 7th. The unit operated at 84% power until 1615 hours on October 12th when a shutdown was commenced in preparation for the 1R6 refueling and maintenance outage. The unit remained in cold shutdown through the end of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR OCTOBER 1984

DOCKET NO	50-313
UNIT NAME	ANO - Unit 1
DATE	November 5, 1984
COMPLETED BY	Ken Morton
TELEPHONE	501 964-3115

<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>
34-04	841005	F	13.8	G	3	313-84-00S	EA	BU	Reactor trip due to loss of 1H1 bus. Human error cited as root cause. Return unit to power.
84-05	841012	S	458.3	C	1	N/A	N/A	N/A	Shutdown for refueling 1R6.

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-
0161)

5
Exhibit 1 - Same Source

DATE: October 1984

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. October 12, 1984
3. Scheduled date for restart following refueling. December 22, 1984
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)?

Yes, Reload Report and associated proposed Technical Specification change.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. September 26, 1984
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.

Yes, the reload analysis will be done using newly developed thermal hydraulic codes. Babcock & Wilcox will be submitting Topical Reports on the new codes for NRC review prior to September 1, 1984.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 316
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: 1998