



Entergy
Operations

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May 13, 1994

1CAN059403

U. S. Nuclear Regulatory Commission
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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 April 1994 is attached. This report is submitted in accordance with ANO-1 Technical Specification 6.12.2.3

Very truly yours,

See Dwight C. Mims
Director, Licensing

DCM/jrh
Attachment

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U. S. NRC

May 13, 1994

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cc: Mr. Leonard J. Callan
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OPERATING DATA REPORT

DOCKET NO: 50-313
 DATE: May 3, 1994
 COMPLETED BY: K. R. Hayes
 TELEPHONE: (501) 964-5535

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: April 1-30, 1994
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

| | MONTH | YR-TO-DATE | CUMULATIVE |
|--|---------|------------|------------|
| 11. Hours in Reporting Period | 719.0 | 2879.0 | 169746.0 |
| 12. Number of Hours Reactor was Critical | 641.3 | 2776.8 | 123375.2 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 5044.0 |
| 14. Hours Generator On-Line | 633.7 | 2763.4 | 121107.0 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 817.5 |
| 16. Gross Thermal Energy Generated (MWH) | 1609629 | 7064133 | 279114695 |
| 17. Gross Electrical Energy Generated (MWH) | 549375 | 2419060 | 93212095 |
| 18. Net Electrical Energy Generated (MWH) | 523605 | 2315985 | 88643121 |
| 19. Unit Service Factor | 88.1 | 96.0 | 71.3 |
| 20. Unit Availability Factor | 88.1 | 96.0 | 71.8 |
| 21. Unit Capacity Factor (Using MDC Net) | 87.1 | 96.2 | 62.5 |
| 22. Unit Capacity Factor (Using DEC Net) | 85.7 | 94.6 | 61.4 |
| 23. Unit Forced Outage Rate | 11.9 | 4.0 | 11.1 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | | | |

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 | _____ | 08/06/74 |
| INITIAL ELECTRICITY | _____ | 08/17/74 |
| COMMERCIAL OPERATION | _____ | 12/19/74 |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-313
UNIT: One
DATE: May 3, 1994
COMPLETED BY: K. R. Hayes
TELEPHONE: (501) 964-5535

MONTH April 1994

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

| | |
|----|------|
| 1 | 843 |
| 2 | 843 |
| 3 | 843 |
| 4 | 843 |
| 5 | 843 |
| 6 | 843 |
| 7 | 843 |
| 8 | 841 |
| 9 | 844 |
| 10 | 843 |
| 11 | 720 |
| 12 | -32 |
| 13 | -33 |
| 14 | -33 |
| 15 | 209 |
| 16 | 832 |
| 17 | 841 |
| 18 | 841 |
| 19 | 840 |
| 20 | 839 |
| 21 | 840 |
| 22 | 839 |
| 23 | 839 |
| 24 | 839 |
| 25 | 841 |
| 26 | 840 |
| 27 | 839 |
| 28 | 839 |
| 29 | 840 |
| 30 | 840 |
| 31 | #N/A |

AVGS: 728

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

APRIL 1994

UNIT ONE

Arkansas Nuclear One, Unit One, began the month operating at 100% power. On the eighth at 19:00 hours, the unit load was decreased to 95% to perform planned testing of the turbine throttle/governor valves. The unit was returned to full power at 20:55 hours the same day.

On the eleventh at 20:41 hours, the unit tripped due to a lightning strike. The lightning strike caused an automatic initiation of the Main Steam Line Isolation (MSLI) which resulted in a Reactor Protection System initiated automatic reactor trip on high RCS pressure. The unit returned on-line at 10:00 hours on the fifteenth and reached 100% power on the sixteenth at 02:45 hours.

Unit 1 operated at full power for the remainder of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR April, 1994

| | |
|--------------|--------------|
| DOCKET NO. | 50-313 |
| UNIT NAME | ANO Unit 1 |
| DATE | May 4, 1994 |
| 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> |
|------------|-------------|--------------------------|-----------------------------------|----------------------------|---|--|---|--|--|
| 94-02 | 940411 | F | 85.3 | H | 3 | 94-002 | XX | ZZZZZZ | Lightning strike caused an automatic actuation of the Main Steam Line Isolation which resulted in a Reactor Protection System initiated automatic reactor trip on high RCS pressure. |

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: April 1994

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. 10 CFR Section 50.59)?

Unknown at this time.

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

Unknown at this time.

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) 685

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)