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September 17, 1990

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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 August, 1990 is attached.

Very truly yours,

James J. Fisicaro

James J. Fisicaro
Manager, Licensing

JJF/SAB/lr
Attachment

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OPERATING DATA REPORT

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

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: August 1-31, 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: A license amendment was issued limiting operation to 80% due to a newly identified small break LOCA in the High Pressure Injection (HPI) Line Piping.

| | | MONTH | YR-TO-DATE | CUMULATVE |
|---|---|---|---|---|
| 11. | Hours in Reporting Period .... | 744.0 | 5,831.0 | 137,634.0 |
| 12. | Number of Hours Reactor was Critical ..... | 744.0 | 5,747.5 | 96,958.7 |
| 13. | Reactor Reserve Shutdown Hours ..... | 0.0 | 0.0 | 5,044.0 |
| 14. | Hours Generator On-Line ..... | 744.0 | 5,710.5 | 95,010.4 |
| 15. | Unit Reserve Shutdown Hours .. | 0.0 | 0.0 | 817.5 |
| 16. | Gross Thermal Energy Generated (MWH) ..... | 1,523,060.0 | 11,553,586.0 | 213,578,041.0 |
| 17. | Gross Electrical Energy Generated (MWH) ..... | 505,170.0 | 3,880,175.0 | 70,932,650.0 |
| 18. | Net Electrical Energy Generated (MWH) ..... | 477,874.0 | 3,672,549.0 | 67,384,799.0 |
| 19. | Unit Service Factor ..... | 100.0 | 98.6 | 70.4 |
| 20. | Unit Availability Factor ..... | 100.0 | 98.6 | 74.1 |
| 21. | Unit Capacity Factor (Using MDC Net) ..... | 76.8 | 75.3 | 58.6 |
| 22. | Unit Capacity Factor (Using DER Net) ..... | 75.6 | 74.1 | 57.6 |
| 23. | Unit Forced Outage Rate ..... | 0.0 | 1.8 | 13.2 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 1R9 Refueling Outage is scheduled to begin October 1990; and the scheduled date for restart is December 1990.
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: August, 1990
COMPLETED BY: D. A. Schaubroeck
TELEPHONE: (501) 964-3743

MONTH August, 1990

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|---|---|
| 1 | 644 |
| 2 | 644 |
| 3 | 644 |
| 4 | 643 |
| 5 | 644 |
| 6 | 644 |
| 7 | 645 |
| 8 | 646 |
| 9 | 647 |
| 10 | 647 |
| 11 | 647 |
| 12 | 647 |
| 13 | 648 |
| 14 | 646 |
| 15 | 646 |
| 16 | 645 |
| 17 | 643 |
| 18 | 641 |
| 19 | 642 |
| 20 | 641 |
| 21 | 642 |
| 22 | 641 |
| 23 | 640 |
| 24 | 639 |
| 25 | 637 |
| 26 | 638 |
| 27 | 638 |
| 28 | 637 |
| 29 | 638 |
| 30 | 639 |
| 31 | 633 |

AVGS: 642

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

AUGUST, 1990

UNIT ONE

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Unit One began the month operating at 80% full power. Operation at this level is based on analysis pertaining to a postulated high pressure injection line break.

On the thirty-first at 2302 hours, power was reduced to 25% for turbine governor valve/throttle valve testing. The unit continued to operate at this level through the end of the month.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR AUGUST, 1990

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

| No. | Date | Type[1] | Duration (Hours) | Reason[2] | Method of Shutting Down Reactor[3] | Licensee Event Report # | System Code[4] | Component Code[5] | Cause & Corrective Action to Prevent Recurrence |
|---|---|---|---|---|---|---|---|---|---|
| None | | | | | | | | | |

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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: August, 1990

# REFUELING INFORMATION

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

2. Scheduled date for next refueling shutdown. October, 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)?

   Technical Specification changes associated with ANO-1 Cycle 10 Reload Report have been submitted to the Nuclear Regulatory Commission.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. The cycle 10 Reload Report has been submitted.

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.

   Debris resistant, extended solid end cap design fuel rod will be used in the reaload fuel batch.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 552

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)