

NRC MONTHLY OPERATING REPORT
OPERATING SUMMARY - DECEMBER 1982

UNIT 2

The unit began the month at 50% full power and holding for physics testing. On December 11, the unit tripped on low DNBR. The trip was caused by a dropped CEA which was in turn caused by a failed upper gripper coil. The unit was returned to power on December 18. On December 22, the unit tripped again on low DNBR. This time the exact cause of trip was not determined. The unit was returned to power and reached 100% full power on December 24. Full power operation continued through the month.

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OPERATING DATA REPORT

DOCKET NO. 50-368
 DATE 1/14/83
 COMPLETED BY L.S. Bramlett
 TELEPHONE 501-964-3145

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 2
2. Reporting Period: December 1-31, 1982
3. Licensed Thermal Power (MWt): 2815
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:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>8760.0</u>	<u>24264.0</u>
12. Number Of Hours Reactor Was Critical	<u>621.4</u>	<u>5261.6</u>	<u>16156.2</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>324.8</u>	<u>1338.5</u>
14. Hours Generator On-Line	<u>585.6</u>	<u>5026.9</u>	<u>15568.7</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>75.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1300220.0</u>	<u>12465192.0</u>	<u>38251061.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>418604.0</u>	<u>4003386.0</u>	<u>12375304.0</u>
18. Net Electrical Energy Generated (MWH)	<u>396829.0</u>	<u>3746746.0</u>	<u>11717744.0</u>
19. Unit Service Factor	<u>78.7</u>	<u>57.4</u>	<u>64.2</u>
20. Unit Availability Factor	<u>78.7</u>	<u>57.4</u>	<u>64.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>62.2</u>	<u>49.8</u>	<u>56.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>58.5</u>	<u>46.9</u>	<u>53.0</u>
23. Unit Forced Outage Rate	<u>21.3</u>	<u>23.2</u>	<u>20.8</u>
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	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-368

UNIT 2

DATE 1/14/83

COMPLETED BY L.S. Bramlett

TELEPHONE 501-964-3145

MONTH December, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>418</u>
2	<u>415</u>
3	<u>422</u>
4	<u>424</u>
5	<u>428</u>
6	<u>429</u>
7	<u>424</u>
8	<u>605</u>
9	<u>704</u>
10	<u>716</u>
11	<u>275</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>18</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>415</u>
18	<u>829</u>
19	<u>863</u>
20	<u>863</u>
21	<u>862</u>
22	<u>367</u>
23	<u>183</u>
24	<u>849</u>
25	<u>860</u>
26	<u>860</u>
27	<u>859</u>
28	<u>861</u>
29	<u>861</u>
30	<u>862</u>
31	<u>860</u>

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DecemberDOCKET NO. 50-368UNIT NAME ANO Unit 2DATE JAN. 5, 1982COMPLETED BY L. S. BramlettTELEPHONE 501-964-3145

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
82-14	821211	F	131.1	A	3	NONE	RB	CRDRVE	Dropped CEA due to a failed upper gripper coil. The coil was replaced.
82-15	821222	F	27.3	H	3	NONE	ZZ	ZZZZZZ	Spurious trip. The exact cause was undetermined.

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 (LFR) File (NUREG-
0161)

⁵
Exhibit I - Same Source

REFUELING INFORMATION

DATE: December 1982

1. Name of facility. ARKANSAS NUCLEAR ONE - UNIT 2
2. Scheduled date for next refueling shutdown. November 1, 1983
3. Scheduled date for restart following refueling. February 1, 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 these 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)?

To be determined
5. Scheduled date(s) for submitting proposed licensing action and supporting information. N/A
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.

N/A
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 112
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 485 increase size by 503
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

DATE: 1989