



ENTERGY

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October 15, 1996

1CAN109607

U. S. Nuclear Regulatory Commission
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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 the month of September 1996 is attached. This report is submitted in accordance with ANO-1 Technical Specification 6.12.2.3.

Very truly yours,

Dwight C. Mims
Director, Nuclear Safety

DCM/ead
attachment

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U. S. NRC
October 15, 1996
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cc: Mr. Leonard J. Callan
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OPERATING DATA REPORT

DOCKET NO: 50-313
 DATE: October 15, 1996
 COMPLETED BY: M. S. Whitt
 TELEPHONE: (501) 858-5560

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: September 1-30
3. Licensed Thermal Power (MWt): 2,568
4. Nameplate Rating (Gross MWe): 903
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: N/A
9. Power Level To Which Restricted. If Any (Net MWe): None
10. Reasons For Restrictions. If Any: N/A

	<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. Hours in Reporting Period	720.0	6,575.0	190,962.0
12. Number of Hours Reactor was Critical	276.2	6,009.7	142,841.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	276.2	5,989.3	140,471.2
15. Unit Reserve Shutdown Hours	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	707,480	14,963,778	327,437,694
17. Gross Electrical Energy Generated (MWH)	242,488	5,157,259	109,727,304
18. Net Electrical Energy Generated (MWH)	228,785	4,929,251	104,427,464
19. Unit Service Factor	38.4	91.1	73.6
20. Unit Availability Factor	38.4	91.1	74.0
21. Unit Capacity Factor (Using MDC Net)	38.0	89.7	65.4
22. Unit Capacity Factor (Using DER Net)	37.4	88.2	64.3
23. Unit Forced Outage Rate	14.3	3.0	9.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling outage 1R13 commenced September 14, 1996, with an expected duration of approximately 34 days.</u>			
25. If Shut Down At End of Report Period. Estimated Date of Startup: <u>October 17, 1996</u>			
26. Units in Test Status (Prior to Commercial Operation): <u>None</u>			

	<u>Forecast</u>	<u>Achieved</u>
INITIAL CRITICALITY		<u>08/06/74</u>
INITIAL ELECTRICITY		<u>08/17/74</u>
COMMERCIAL OPERATION		<u>12/19/74</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-313
UNIT: One
DATE: October 15, 1996
COMPLETED BY: M. S. Whitt
TELEPHONE: (501) 858-5560

MONTH September 1996

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	839
2	841
3	842
4	843
5	841
6	838
7	841
8	842
9	842
10	841
11	841
12	417
13	-20
14	-20
15	-19
16	-8
17	-5
18	-5
19	-5
20	-5
21	-5
22	-5
23	-5
24	-5
25	-5
26	-5
27	-5
28	-5
29	-5
30	-5

AVGS: 318

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.

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR SEPTEMBER 1996**

DOCKET NO.	50-313
UNIT NAME	ANO Unit 1
DATE	October 15, 1996
COMPLETED BY	M. S. Whitt
TELEPHONE	501-858-5560

<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>
96-06	960912	F	46.2	A	3	1-96-007-00	EA	FU	The automatic reactor trip was caused by the failure of a fuse that supplies power to the undervoltage relay 127-H1-1 on bus H1. Corrective actions are discussed in LER 50-313/96-007-00 (1CAN109601) dated October 10, 1996.
96-07	960914	S	397.7	C	4	N/A	ZZ	ZZZZZZ	Unit off-line for 1R13 refueling outage.

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

NRC MONTHLY OPERATING REPORT
OPERATING SUMMARY
SEPTEMBER 1996
UNIT ONE

The month began with the unit operating at 100% power.

At 1210 hours on the twelfth, an automatic reactor trip occurred due to the loss of two reactor coolant pump motors fed from bus H1. The motors were tripped because of a defective fuse in the H1 bus protective circuitry which failed due to vibration. The vibration was caused by the spring discharge associated with an adjacent bus feeder breaker being racked down. At 1020 hours on the fourteenth, the decision was made to begin refueling outage 1R13 which was originally scheduled to begin on September 17, 1996. The unit remained off-line the remainder of the month.

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown: September 17, 1996
3. Scheduled date for restart following refueling: October 17, 1996
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. 10CFR Section 50.59)?

No

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.

None planned

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

a) 177 b) 745

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:

Full core off-load capability will be lost with the startup from the current refueling outage until a sufficient amount of spent fuel can be placed in on-site dry storage.