



**Entergy
Operations**

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April 15, 1993

1CAN049304

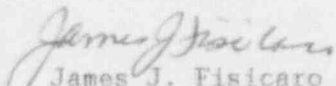
U. S. Nuclear Regulatory Commission
Document Control Desk
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Washington, DC 20555

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 March, 1993 is attached. This report is submitted in accordance with ANO-1 Technical Specification 6.12.2.3.

Very truly yours,


James J. Fisicaro
Director, Licensing

JJF/JRH/prg
Attachment

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9304190125 930331
PDR ADDCK 05000313
R PDR

JE24 1/1

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OPERATING DATA REPORT

DOCKET NO: 50-313
 DATE: April 6, 1993
 COMPLETED BY: K. R. Hayes
 TELEPHONE: (501) 964-5535

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: March 1-31, 1993
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

	<u>MONTH</u>	<u>YR-TO-DATE</u>	<u>CUMULATIVE</u>
11. Hours in Reporting Period	744.0	2160.0	160267.0
12. Number of Hours Reactor was Critical	702.8	2118.8	115117.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	5044.0
14. Hours Generator On-Line	682.5	2098.5	112920.2
15. Unit Reserve Shutdown Hours	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	1716868	5351469	258488623
17. Gross Electrical Energy Generated (MWH)	587910	1837065	86214935
18. Net Electrical Energy Generated (MWH)	561455	1759637	81960238
19. Unit Service Factor	91.7	97.2	70.5
20. Unit Availability Factor	91.7	97.2	71.0
21. Unit Capacity Factor (Using MDC Net)	90.3	97.4	61.2
22. Unit Capacity Factor (Using DEC Net)	88.8	95.8	60.2
23. Unit Forced Outage Rate	8.3	2.8	11.6
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): _____

	<u>Forecast</u>	<u>Achieved</u>
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: April 6, 1993
COMPLETED BY: K. R. Hayes
TELEPHONE: (501) 964-5535

MONTH March, 1993

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	846
2	846
3	846
4	846
5	487
6	-33
7	-34
8	549
9	745
10	819
11	848
12	847
13	847
14	848
15	847
16	847
17	848
18	847
19	847
20	848
21	847
22	847
23	847
24	84
25	847
26	847
27	708
28	704
29	815
30	846
31	846

AVGS: 755

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

MARCH 1993

UNIT ONE

Unit one began the month operating at 100% power. On the fifth at 14:12 hours, the unit experienced an automatic turbine/reactor trip. This trip was initiated by a ground in the turbine lock-out circuit. The unit was returned to operation at 03:45 hours on the eighth and reached full power at 12:37 hours on the same day. On the ninth at 15:49 hours the unit experienced an automatic runback when the A2 bus was deenergized. The runback was terminated at 62% power. The unit returned to full power at 04:15 hours on the tenth. On the twenty sixth at 23:30 hours, the unit load was reduced to 85% per the load dispatcher's request. During the load reduction, the monthly turbine governor and throttle valve testing was completed. The unit returned to full power on the twenty ninth at 05:58 hours. The unit operated at full power for the remainder of the month.

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR MARCH, 1993**

DOCKET NO.	50-313
UNIT NAME	ANO Unit 1
DATE	April 6, 1993
COMPLETED BY	K. R. Hayes
TELEPHONE	501-964-5535

<u>NO.</u>	<u>DATE</u>	<u>TYPE</u> ¹	<u>DURATION</u> (HOURS)	<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>
93-01	930305	F	61.5	A	3	1-93-001	TA	CBL3	A cable in the turbine lock-out circuit caused a ground of the circuit & initiated a turbine/reactor trip.
93-02	930309	F	0	G	5	1-93-002	EA	52	Improper racking of a breaker caused bus lock-out & subsequent power runback.

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: March, 1993

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. September 17, 1993
3. Scheduled date for restart following refueling. November 12, 1993
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, Technical Specification change to increase fuel enrichment from 3.5% to 4.1% and to reference B&W Topical Report BAW-10179P for the Core Operating Limits Report.
5. Scheduled date(s) for submitting proposed licensing action and supporting information. The fuel enrichment Technical Specification change request was submitted to the NRC on June 27, 1991 (1CAN069108). A Technical Specification change request to reference B&W Topical Report BAW-10179P is scheduled to be submitted in April, 1993.
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.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 625
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: 1995 (Loss of fullcore offload capability)