



**Entergy
Operations**

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August 15, 1991

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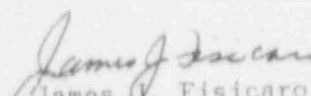
U. S. Nuclear Regulatory Commission
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SUBJECT: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Monthly Operating Report

Gentlemen:

The Arkansas Nuclear One - Unit 1 Monthly Operating Report (MOR) for July, 1991 is attached. This report is submitted in accordance with ANO-1 Technical Specification 6.12.2.3. Also, included as an attachment is a correction to the MOR (Unit Shutdowns and Power Reductions) for April, 1991.

Very truly yours,


James J. Fisicaro
Director, Licensing

JJF/SAB/prm
Attachment

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OPERATING DATA REPORT

DOCKET NO: 50-313
 DATE: August, 1991
 COMPLETED BY: K. R. Hayes
 TELEPHONE: (501) 964-5535

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: July 1-31, 1991
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	744.0	5,087.0	145,650.0
12. Number of Hours Reactor was Critical	744.0	4,476.8	102,188.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	724.9	4,321.1	100,059.8
15. Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	1,843,334.0	10,802,419.0	225,858,536.0
17. Gross Electrical Energy Generated (MWH)	619,470.0	3,668,375.0	75,092,070.0
18. Net Electrical Energy Generated (MWH)	591,186.0	3,490,633.0	71,325,368.0
19. Unit Service Factor	97.4	84.9	68.7
20. Unit Availability Factor	97.4	84.9	69.3
21. Unit Capacity Factor (Using MDC Net)	95.0	82.1	58.6
22. Unit Capacity Factor (Using DEC Net)	93.5	80.7	57.6
23. Unit Forced Outage Rate	2.6	6.4	12.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			
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, 1991
 COMPLETED BY: K. R. Hayes
 TELEPHONE: (501) 964-5535

MONTH July, 1991

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	825
2	805
3	755
4	828
5	826
6	714
7	77
8	806
9	823
10	823
11	824
12	825
13	824
14	825
15	825
16	824
17	826
18	825
19	825
20	826
21	827
22	827
23	826
24	815
25	828
26	829
27	830
28	831
29	831
30	831
31	829

AVGS: 795

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

JULY 1991

UNIT ONE

Unit One began the month operating at 100% full power, and operated in this condition until 1805 hours on July 2. At that time, a power reduction to 80% was required to identify and repair a condenser tube leak. The unit was returned to full power at 1015 hours on July 3.

At 2045 hours on July 6, a plant shutdown was required due to the loss of pressure on the Electro-Hydraulic (EH) system, when a relief valve failed. The plant reached full power on July 8, at 0230 hours, after this problem was repaired.

On July 24, at 0832 hours, a power reduction to 80% was begun due to a decreasing condenser vacuum caused by the loss of seal steam to one turbine seal. The problem was resolved and the unit was returned to full power at 1046 hours on the same day. The unit operated at full power for the remainder of July.

UNIT SHUTDOWNS AND POWER REDUCTIONS REPORT FOR JULY, 1991

DOCKET NO. 50-313
UNIT NAME ANO, Unit 1
DATE August 2, 1991
COMPLETED BY K. R. Hayes
TELEPHONE (501) 964-5535

No.	Date	Type	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensor Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
91-11	910706	F	19.1	A	5	N/A	TG	RV	Unit off line due to the loss of the EH pressure control system.

1	2	3	4
F: Forced S: Scheduled	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)	Method: 1-Manual 2-Manual Scram. 3-Automatic Scram. 4-Continuation 5-Load Reduction 9-Other	Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensor Event Report (LER) File (NUREG- 1022) Exhibit I - Same Source

DATE: July, 1991

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. March, 1992
3. Scheduled date for restart following refueling. May, 1992
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. Changes to the usual cycle dependent operating limit curves will be required.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. On June 27, 1991 ANO submitted a license amendment request (1CAN069108) to increase the fuel enrichment from 3.5% to 4.1%.
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) 566
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)

ATTACHMENT A
(CORRECTED COPY)
UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR APRIL, 1991

DOCKET NO.	50-313
UNIT NAME	ANO, Unit 1
DATE	August 2, 1991
COMPLETED BY	K. R. Hayes
TELEPHONE	(501) 964-5535

No.	Date	Type	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
91-07	910408	S	336.1	H	1	N/A	TL	EXC	Planned maintenance outage to replace a temporary exciter.
91-08	910426	F	0	A	5	N/A	SN	PSF	Power reduction due to an unisolatable steam leak on the MSR excess steamline.

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)

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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)

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Exhibit I - Same Source