



Entergy Operations

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May 15, 1991

ICAN059105

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 April, 1991 is attached. This report is submitted in accordance with ANO-1 Technical Specification 6.12.2.3.

Very truly yours,

James J. Visicaro
Director, Licensing

JJF/SAB/kdr
Attachment

cc: Mr. Robert D. Martin
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OPERATING DATA REPORT

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

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: April 1-30, 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	719.0	2,879.0	143,442.0
12. Number of Hours Reactor was Critical	404.8	2,280.0	99,991.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14. Hours Generator On-Line	382.9	2,150.0	97,888.7
15. Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16. Gross Thermal Energy Generated (MWH)	900,560.0	5,274,382.0	220,330,499.0
17. Gross Electrical Energy Generated (MWH)	300,835.0	1,791,955.0	73,215,650.0
18. Net Electrical Energy Generated (MWH)	283,080.0	1,697,755.0	69,532,490.0
19. Unit Service Factor	53.3	74.7	68.2
20. Unit Availability Factor	53.3	74.7	68.8
21. Unit Capacity Factor (Using MDC Net)	47.1	70.5	58.0
22. Unit Capacity Factor (Using DEC Net)	46.3	69.4	57.0
23. Unit Forced Outage Rate	0.0	10.7	13.1
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: May, 1991
 COMPLETED BY: K. R. Hayes
 TELEPHONE: (501) 964-5535

MONTH April, 1991

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	843
2	844
3	844
4	844
5	844
6	844
7	842
8	472
9	43
10	-8
11	-6
12	-5
13	-5
14	-5
15	-5
16	-5
17	-6
18	-7
19	-9
20	-9
21	-22
22	-34
23	171
24	785
25	848
26	844
27	347
28	845
29	847
30	847

AVGS: 394

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

APRIL 1991

UNIT ONE

Unit One began the month operating at 100% full power and operated in this condition until 0835 hours on the eighth. At that time, a power reduction was commenced as part of the planned Maintenance Outage (1M91). The unit was taken off line on the ninth at 0738 hours. Maintenance outage 1M91 ended on the twenty-third at 0745 hours. The unit obtained 100% power on the twenty-fourth at 1010 hours.

On the twenty-sixth at 2245 hours, power was decreased due to an unisolatable leak in the Moisture Separator Reheater (MSR) excess steam line. The piping was repaired and the unit was restored to full power on the twenty-seventh at 2115 hours. The unit operated at full power for the remainder of April.

UNIT SHUTDOWNS AND POWER REDUCTIONS REPORT FOR APRIL, 1991

DOCKET NO. 50-313
UNIT NAME One
DATE May, 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	385.5	H	1	N/A	ZZ	ZZZZZZ	Planned Maintenance Outage to complete modifications deferred from IR9.
91-08	910426	F	22.5	A	5	N/A	SN	PSF	Power reduction due to an unisolatable steam leak on the MSE excess steam line.

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 Licensee Event Report (LER) File (NUREG- 1022) Exhibit I - Same Source

DATE: April, 1991

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1
2. Scheduled date for next refueling shutdown. April, 1992
3. Scheduled date for restart following refueling. June, 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. ANO is presently in the process of preparing a license amendment submittal 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)