Entergy
Operations

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December 17, 1990

1CAN129006

U. S. Nuclear Regulatory Commission
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Washington, D.C. 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 for November, 1990 is attached.

Very truly yours,

James J. Fisicaro

James J. Fisicaro
Manager, Licensing

JJF/SAB/mmg
Attachment

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IE24

cc: Mr. Robert D. Martin
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U. S. Nuclear Regulatory Commission
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OPERATING DATA REPORT

DOCKET NO: 50-313
DATE: November, 1990
COMPLETED BY: D. A. Schaubroeck
TELEPHONE: (501) 964-3743

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: November 1-30, 1990
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): 80%
10. Reasons For Restrictions. If Any: A license amendment was issued limiting operation to 80% due to a newly identified small break LOCA in the High Pressure Injection (HPI) Line Piping.

		MONTH	YR-TO-DATE	CUMULATIVE
11.	Hours in Reporting Period	720.0	8,016.0	139,819.0
12.	Number of Hours Reactor was Critical	0.0	6,477.2	97,688.4
13.	Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14.	Hours Generator On-Line	0.0	6,438.8	95,738.7
15.	Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16.	Gross Thermal Energy Generated (MWH)	0.0	13,031,662.0	215,056,117.0
17.	Gross Electrical Energy Generated (MWH)	0.0	4,371,220.0	71,423,695.0
18.	Net Electrical Energy Generated (MWH)	-2,890.0	4,129,838.0	67,842,088.0
19.	Unit Service Factor	0.0	80.3	68.5
20.	Unit Availability Factor	0.0	80.3	69.1
21.	Unit Capacity Factor (Using MDC Net)	-0.5	61.6	58.0
22.	Unit Capacity Factor (Using DER Net)	-0.5	60.6	57.1
23.	Unit Forced Outage Rate	0.0	1.6	13.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 1R9 Refueling Outage which began October 1990; the scheduled date for restart is December, 1990.
25. If Shut Down At End of Report Period. Estimated Date of Startup: December 20, 1990
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: November, 1990
COMPLETED BY: D. A. Schaubroeck
TELEPHONE: (501) 964-3743

MONTH November, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-4
2	-4
3	-4
4	-4
5	-4
6	-4
7	-4
8	-4
9	-4
10	-4
11	-4
12	-4
13	-4
14	-4
15	-4
16	-4
17	-4
18	-4
19	-4
20	-4
21	-4
22	-4
23	-5
24	-3
25	-3
26	-5
27	-5
28	-5
29	-5
30	-5

AVGS: -4

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

NOVEMBER, 1990

UNIT ONE

Unit One was off line the entire month for the 1R9 refueling outage.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR NOVEMBER, 1990

DOCKET NO. 50-313
UNIT NAME One
DATE November, 1990
COMPLETED BY D. A. Schaubroeck
TELEPHONE (501) 964-3743

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
90-09	901101	S	720	C	4	N/A	ZZ	ZZZZZZ	The unit was off line the entire month for the 1R9 Refueling Outage.

[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 (LER) File (NUREG-1022)

[5]
Exhibit I - Same Source

DATE: November, 1990

REFUELING INFORMATION

1. Name of facility: Arkansas Nuclear One - Unit 1

2. Scheduled date for next refueling shutdown. October, 1990

3. Scheduled date for restart following refueling. December, 1990

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)?

   Technical Specification changes associated with ANO-1 Cycle 10 Reload Report have been submitted to the Nuclear Regulatory Commission.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. The cycle 10 Reload Report has been submitted.

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.

   Debris resistant, extended solid end cap design fuel rod will be used in the reload fuel batch. Also, an emergency Technical Specification was requested from the NRC allowing the replacement of one fuel rod in an assembly with one stainless steel filler rod. This fuel assembly is being reused during cycle 10 operation.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 565

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: 1994 (Loss of fullcore offload capability)