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May 15, 1989

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U. S. Nuclear Regulatory Commission
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Mail Stop P1-137
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 April, 1989 is attached.

Very truly yours,

Dale E. James
Supervisor, Licensing

DEJ:MS:lg

Attachment

cc: U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011
ATTN: Mr. Robert D. Martin
Regional Administrator

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555
ATTN: Mr. James M. Taylor, Deputy Executive
Director for Regional Operations

IE24
1/1

OPERATING DATA REPORT

DOCKET NO: 50-313
DATE: April, 1989
COMPLETED BY: D. A. Schaubroeck
TELEPHONE: (501) 964-3743

OPERATING STATUS

1. Unit Name: Arkansas Nuclear One - Unit 1
2. Reporting Period: April 1-30, 1989
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): 50%
10. Reasons For Restrictions. If Any (Net MWe): A License Amendment was issued limiting operation to 50% due to analysis uncertainties pertaining to a postulated High Pressure Injection line break.

		MONTH	YR-TO-DATE	CUMULATVE
11.	Hours in Reporting Period	719.0	2,879.0	125,922.0
12.	Number of Hours Reactor was Critical	719.0	1,239.4	86,451.5
13.	Reactor Reserve Shutdown Hours	0.0	0.0	5,044.0
14.	Hours Generator On-Line	719.0	1,223.3	84,649.3
15.	Unit Reserve Shutdown Hours ..	0.0	0.0	817.5
16.	Gross Thermal Energy Generated (MWH)	920,192.0	2,171,289.0	193,450,219.0
17.	Gross Electrical Energy Generated (MWH)	293,285.0	716,940.0	64,176,315.0
18.	Net Electrical Energy Generated (MWH)	268,856.0	662,895.0	61,001,281.0
19.	Unit Service Factor	100.0	42.5	67.2
20.	Unit Availability Factor	100.0	42.5	67.9
21.	Unit Capacity Factor (Using MDC Net)	44.7	27.5	57.9
22.	Unit Capacity Factor (Using DER Net)	44.0	27.1	57.0
23.	Unit Forced Outage Rate	0.0	57.5	14.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
None

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: April, 1989
COMPLETED BY: D.A. Schaubroeck
TELEPHONE: (501) 964-3743

MONTH April, 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	361
2	369
3	373
4	372
5	371
6	369
7	370
8	368
9	369
10	371
11	372
12	372
13	373
14	374
15	371
16	370
17	369
18	368
19	367
20	369
21	384
22	384
23	382
24	382
25	382
26	380
27	382
28	382
29	382
30	382
31	

AVGS: 374

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 1989

UNIT ONE

Unit One operated the entire month of April at 50% power. A license amendment was issued limiting operation to 50% due to analysis uncertainties pertaining to a postulated High Pressure Injection line break.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT FOR APRIL, 1989

DOCKET NO	50-313
UNIT NAME	ANO Unit 1
DATE	April, 1989
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
None									

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: April, 1989

REFUELING INFORMATION

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

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

3. Scheduled date for restart following refueling. May, 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)?

   Normal Technical Specification changes associated with submission of the ANO-1 Cycle 10 Reload Report.

5. Scheduled date(s) for submitting proposed licensing action and supporting information. June, 1990

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.

   A debris resistant, extended solid end cap design fuel rod will be used in the reload fuel batch.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool. a) 177 b) 508

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)