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LEON B. RUSSELL
MANAGER
CALVERT CLIFFS NUCLEAR POWER PLANT DEPARTMENT

January 15, 1990

U.S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Dockets 50-317 and 50-318
December 1989 Operating Data Reports

Gentlemen:

The subject reports are being sent to you as required by Technical Specification 6.9.1.6.

Should you have any further questions regarding this matter, please contact Lloyd Wenger at (301)260-4867.

Very truly yours,

J B Russell

LBR/CB/peu

Attachments

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
R. A. Capra, NRC
D. G. McDonald, Jr., NRC
W. T. Russell, NRC
J. E. Beall, NRC
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W. H. Lovelace, NRC
K. Gibbard, DOE
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J. E. Baum, CE

IE24
1/1

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UNIT 1

OPERATING DATA REPORT

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Docket No. 50-317
January 15, 1990
Prepared by Carl Behnke
Telephone:(301)260-4871

OPERATING STATUS

1.	UNIT NAME	Calvert Cliffs Unit 1
2.	REPORTING PERIOD	DECEMBER 1989
3.	LICENSED THERMAL POWER (MWT)	2700
4.	NAMEPLATE RATING (GROSS MWe)	918
5.	DESIGN ELECTRICAL RATING (NET MWe)	845
6.	MAXIMUM DEPENDABLE CAP'Y (GROSS MWe)	860
7.	MAXIMUM DEPENDABLE CAP'Y (NET MWe)	825
8.	CHANGE IN CAPACITY RATINGS	none
9.	POWER LEVEL TO WHICH RESTRICTED	n/a
10.	REASONS FOR RESTRICTIONS	n/a

		This month	Year-to-Date	Cumulative to Date
11.	HOURS IN REPORTING PERIOD	744	8,760	128,437
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	1,806.6	94,592.3
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3,019.4
14.	HOURS GENERATOR ON LINE	0.0	1,729.1	92,448.6
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	0	4,227,084	232,691,250
17.	GROSS ELECTRICAL ENERGY GEN'TED(MWH)	0	1,410,290	77,419,117
18.	NET ELECTRICAL ENERGY GENERATED(MWH)	0	1,345,618	73,545,810
19.	UNIT SERVICE FACTOR	0.0	19.7	72.0
20.	UNIT AVAILABILITY FACTOR	0.0	19.7	72.0
21.	UNIT CAPACITY FACTOR (USING MDC NET)	0.0	18.6	69.4
22.	UNIT CAPACITY FACTOR (USING DER NET)	0.0	18.2	67.8
23.	UNIT FORCED OUTAGE RATE	0.0	2.9	9.5

24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):

Inspection/Maintenance: March 2, 1990 [1] for 59 days

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP:

February 21, 1990

[1] This date is under review for possible extension.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-317
UNIT NAME Calvert Cliffs-U1
DATE January 15, 1990
COMPLETED BY Carl Behnke
TELEPHONE (301)260-4871

REPORT MONTH December 1989

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
89-15	891201	S	744	B	N/A	N/A	CA	HEATER	Continued shutdown. Reassembly of U1 Pressurizer heaters has been completed. Applicability of concerns associated with U2 pressurizer heater leakage has been addressed in a formal presentation to the NRC.

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-Other (Explain)

4 Exhibit G-Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)

5 Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

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Docket No. 50-317
Calvert Cliffs Unit No. 1
January 15, 1990
Completed by Carl Behnke
Telephone: (301) 260-4871

DECEMBER 1989
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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

DOCKET # 50-317
CALVERT CLIFFS - UNIT 1
January 15, 1990

SUMMARY OF OPERATING EXPERIENCE

December 1989

Unit 1 continued a maintenance shutdown all month. Various outage issues were worked to support an anticipated February heatup.

Due to the delays in the implementation of certain instrument air modifications and the resolution of a Low Temperature Over Pressurization Protection (LTOP) issue, we have revised the start-up date to February 21, 1990.

January 8, 1990

REFUELING INFORMATION REQUEST

1. Name of facility: **Calvert Cliffs Nuclear Power Plant, Unit No. 1.**

2. Scheduled date for next refueling shutdown: **March 15, 1991**

3. Scheduled date for restart following refueling: **May 26, 1991**

4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

   Resumption of operation after refueling will require changes to Technical Specifications. The changes will be such as to allow operation of the plant with a higher enriched (4.3%) reload batch and reshuffled core for Unit 1's next 24 month cycle.

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

   November 1, 1990 (reload submittal)

6. Important licensing considerations associated with the refueling.

   Reload fuel will be similar to reload fuel inserted into the previous cycle except for the higher enrichment (4.3%).

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

   (a) 217 (b) 1543

   Spent fuel pools are common to Units 1 and 2.

8. (a) The present licensed spent fuel pool storage capacity, and (b) the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.

   (a) 1830 (b) 2880

9. The projected date of the last refueling that can be discharged to the Spent Fuel Pool assuming the present licensed capacity and maintaining space for one full core off-load.

   April 1993

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UNIT 2

OPERATING DATA REPORT

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Docket No. 50-318
January 15, 1990
Prepared by Carl Behnke
Telephone:(301)260-4871

OPERATING STATUS

1.	UNIT NAME	Calvert Cliffs Unit 2
2.	REPORTING PERIOD	DECEMBER 1989
3.	LICENSED THERMAL POWER (MWT)	2700
4.	NAMEPLATE RATING (GROSS MWe)	918
5.	DESIGN ELECTRICAL RATING (NET MWe)	845
6.	MAXIMUM DEPENDABLE CAP'Y (GROSS MWe)	860
7.	MAXIMUM DEPENDABLE CAP'Y (NET MWe)	825
8.	CHANGE IN CAPACITY RATINGS	none
9.	POWER LEVEL TO WHICH RESTRICTED	n/a
10.	REASONS FOR RESTRICTIONS	n/a

		This month	Year-to-Date	Cumulative to Date
11.	HOURS IN REPORTING PERIOD	744	8,760	111,792
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	1,766.4	87,437.3
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1,296.6
14.	HOURS GENERATOR ON LINE	0.0	1,732.1	86,228.9
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	0	4,530,744	218,389,418
17.	GROSS ELECTRICAL ENERGY GEN'TED(MWH)	0	1,512,000	72,284,632
18.	NET ELECTRICAL ENERGY GENERATED(MWH)	0	1,448,457	69,042,571
19.	UNIT SERVICE FACTOR	0.0	19.8	77.1
20.	UNIT AVAILABILITY FACTOR	0.0	19.8	77.1
21.	UNIT CAPACITY FACTOR (USING MDC NET)	0.0	20.0	74.9
22.	UNIT CAPACITY FACTOR (USING DER NET)	0.0	19.6	73.1
23.	UNIT FORCED OUTAGE RATE	0.0	11.2	5.3

24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE AND DURATION):
N/A

25. IF UNIT IS SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START-UP:
July 6, 1990

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-318
UNIT NAME Calvert Cliffs-U2
DATE January 15, 1990
COMPLETED BY Carl Behnke
TELEPHONE (301)260-4871

REPORT MONTH December 1989

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
89-13	891201	S	744	C	N/A	N/A			Continued shutdown for 8th Cycle Refueling Outage.
						89-007	CA	HEATER	Axial through wall cracks were identified in Unit 2 pressurizer heater sleeves and an instrument nozzle. As a result, replacement of 120 heater sleeves is in progress. All sleeves have been removed and weld preparation on the lower head outer surface is currently in progress.

[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-Other (Explain)

[4] Exhibit G-Instructions for Preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)

[5] Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

****

Docket No. 50-318
Calvert Cliffs Unit No. 2
January 15, 1990
Completed by Carl Behnke
Telephone: (301) 260-4871

DECEMBER 1989

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Day	Average Daily Power Level (MWe-Net)	Day	Average Daily Power Level (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

DOCKET # 50-318
CALVERT CLIFFS - UNIT 2
January 15, 1990

SUMMARY OF OPERATING EXPERIENCE

December 1989

Unit 2 was shutdown for the month for the 8th cycle scheduled refueling outage.

The pressurizer examination had identified cracks or crack indications in 18 of 28 pressurizer heater sleeves that were initially designated as leaking. All 120 pressurizer heater sleeves are currently being replaced.

The Unit is scheduled to return to service on July 6, 1990.

January 8, 1990

REFUELING INFORMATION REQUEST

1. Name of facility: **Calvert Cliffs Nuclear Power Plant, Unit No. 2.**

2. Scheduled date for next refueling shutdown: **March 20, 1989 ****

3. Scheduled date for restart following refueling: **July 6, 1990**

4. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

   Resumption of operation after refueling will require changes to Technical Specifications. The changes will be such as to allow operation of the plant with a reload batch and reshuffled core at a higher enrichment.

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

   February 9, 1989 (reload submittal) **
   April 21, 1989 (updated reload submittal) **

6. Important licensing considerations associated with the refueling.

   Reload fuel will be similar to reload fuel inserted into the previous cycle except for the 4.3% enrichment, debris resistant fuel design, and four fuel assemblies containing an alternative burnable absorber. Changes will be made to the on line incore monitoring program.

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

   (a) **0** (b) **1543**

   Spent fuel pools are common to Units 1 and 2.

8. (a) The present licensed spent fuel pool storage capacity, and (b) the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.

   (a) **1830** (b) **2880**

9. The projected date of the last refueling that can be discharged to the Spent Fuel Pool assuming the present licensed capacity and maintaining space for one full core off-load.

   April 1993

** Unit currently in refueling shut down