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 FACIL: 50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Ga      05000275  
       50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga      05000323  
 AUTH. NAME                      AUTHOR AFFILIATION  
 JOYCE, T.C.                      Pacific Gas & Electric Co.  
 TOWNSEND, J.D.                  Pacific Gas & Electric Co.  
 RECIP. NAME                      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Jan 1991 for Diablo Canyon Units  
1 & 2. W/910215 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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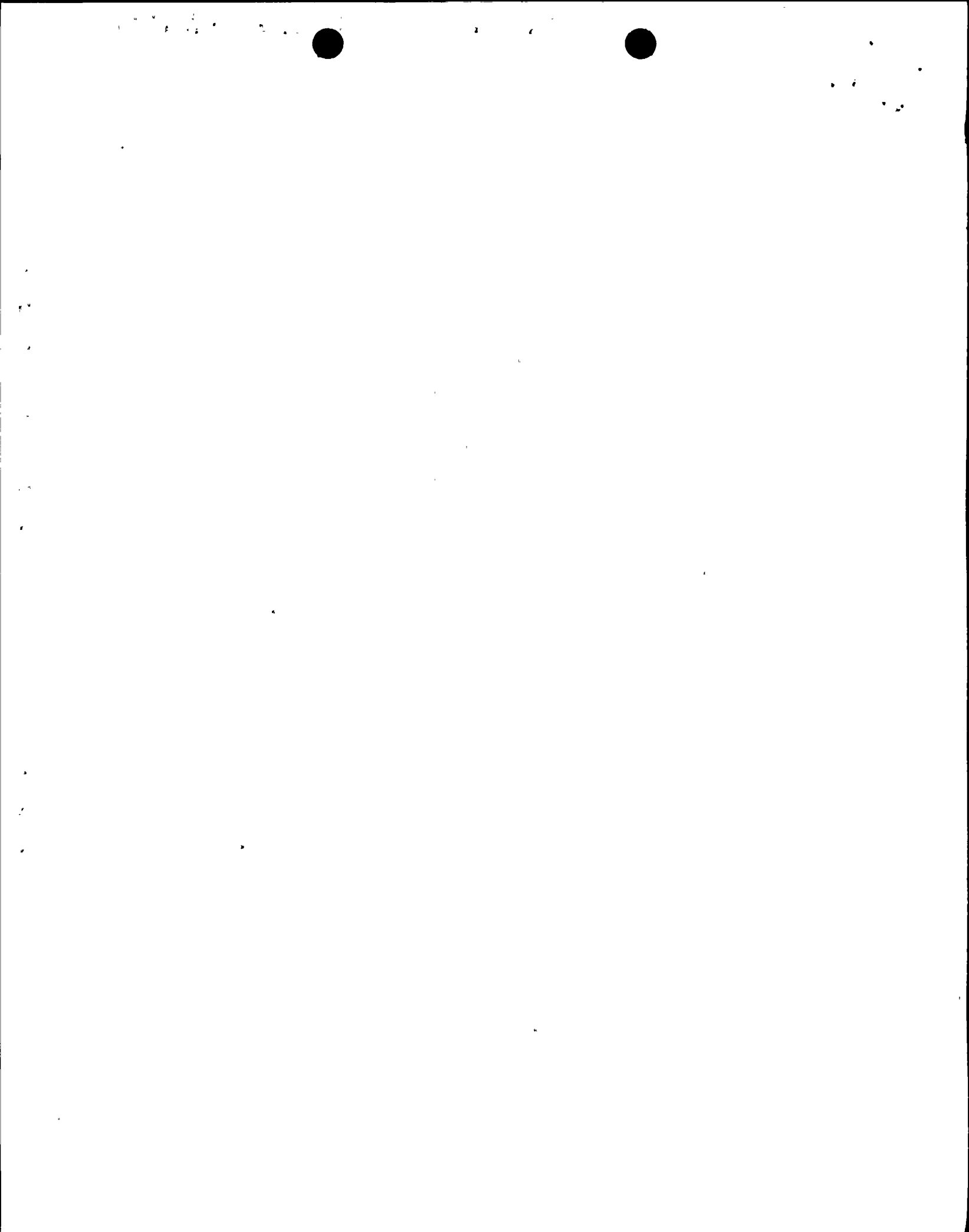
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*MR. [Signature]*

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Pacific Gas and Electric Company

Diablo Canyon Power Plant  
P.O. Box 56  
Avila Beach, CA 93424  
805/541-7616

John D. Townsend  
Vice President—Diablo Canyon Operations  
and Plant Manager

February 15, 1991



U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Re: Docket No. 50-275 and 50-323  
License No. DPR-80 and DPR-82  
Monthly Operating Report for January 1991

Gentlemen:

Enclosed are the completed monthly operating report forms for Diablo Canyon Units 1 and 2 for January 1991. This report is submitted in accordance with Section 6.9.1.7 of the Units 1 and 2 Technical Specifications.

Sincerely,

A handwritten signature in cursive script that reads "John D. Townsend".

JDT:ws

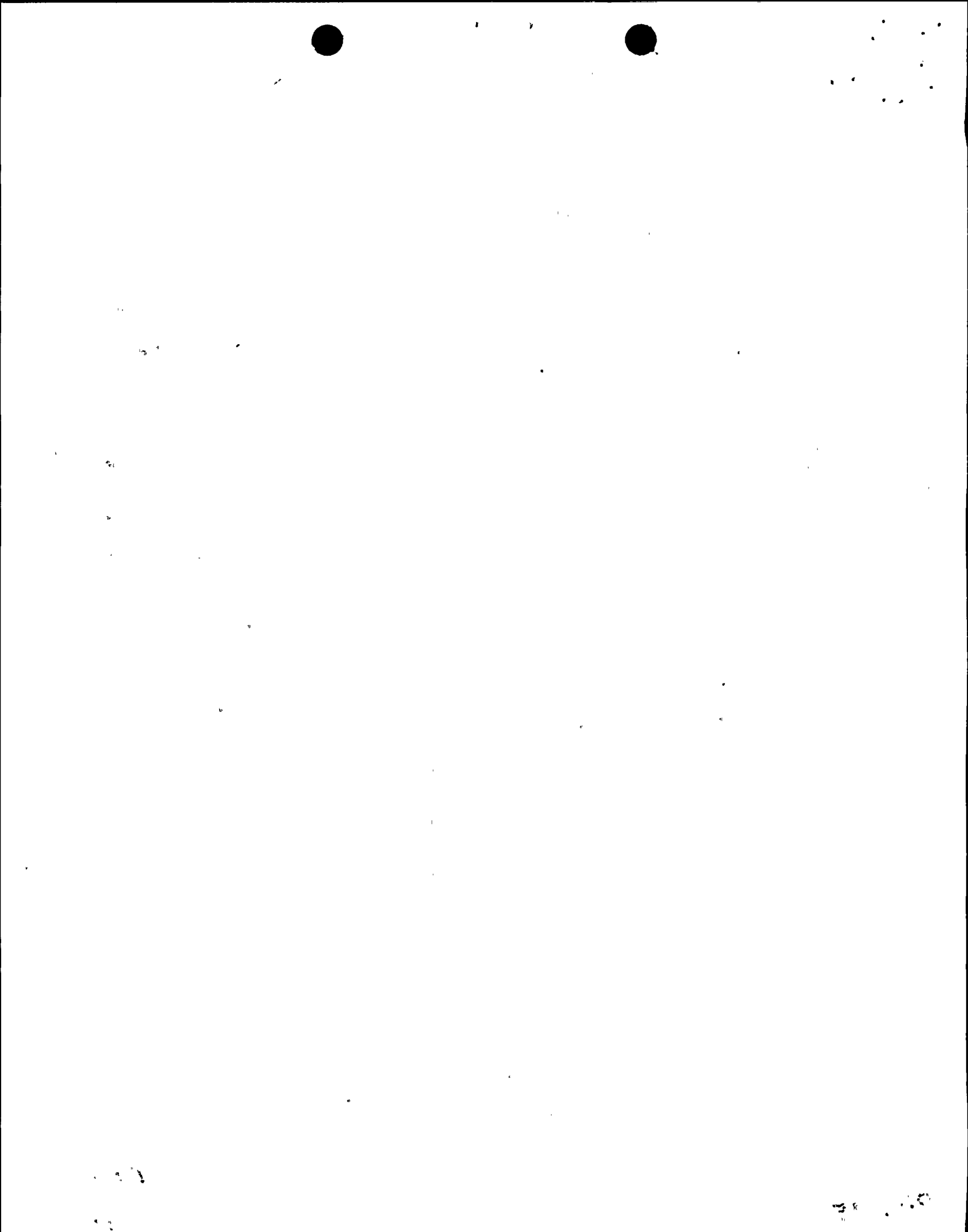
Enclosures

cc John B. Martin  
USNRC - Region V

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PDR ADOCK 05000275  
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MONTHLY NARRATIVE REPORT  
OF OPERATION  
AND MAJOR MAINTENANCE EXPERIENCE

This report describes the operating and major maintenance experience for the month of January 1991. This narrative report was prepared by the Plant staff and is submitted in accordance with Section 6.9.1.7 of the Units 1 and 2 Technical Specifications (TS).

Narrative of Daily Significant Plant Events

- On January 1, 1991: Unit 1 and Unit 2 started the month at 100% power.
- On January 4, 1991: Unit 2 reduced power to 15% to repair Main Feed Water Pump 2-2, Main Feedwater regulating valve FCV 520, Component Water Pump 2-1 and for water box cleaning.
- On January 7, 1991: Unit 2 returned to 100% power.
- On January 11, 1991: Unit 1 ramped down to 50% power for condenser cleaning.
- On January 12, 1991: Unit 1 returned to 100% power.
- On January 14, 1991: Unit 2 ramped down to 50% power for 2-1 screen repair.
- On January 16, 1991: Unit 2 returned to 100% power.
- On January 18, 1991: Unit 1 commenced End of Life (EOL) coastdown for the fourth refueling outage (1R4).
- On January 25, 1991: Unit 1 ramped down to 50% power for condenser cleaning.
- On January 26, 1991: Unit 1 returned to 97% power due to EOL coast down for the fourth refueling outage (1R4).
- On January 30, 1991: Unit 2 ramped down to 50% power for salt water leak tube plugging.
- On January 31, 1991: Unit 1 continued End of Life coast down for the fourth refueling outage (1R4) and Unit 2 returned to 100% power.

Summary of Plant Operating Characteristics, Power Reductions and Unit Shutdowns

Unit 1 operated this month with a unit availability factor of 100.0% and a unit capacity factor of 95.8%. Unit 1 reduced power twice this month for condenser cleaning.

Unit 2 operated this month with a unit availability factor of 100.0% and a unit capacity factor of 91.4%. Unit 2 reduced power three times this month for various maintenance work, screen repair and salt water leak tube plugging.



Summary of Significant Safety Related Maintenance

- o No significant safety related maintenance occurred on Unit 1.
- o No significant safety related maintenance occurred on Unit 2.

Actuations of Steam Generator Safety Valves  
or Pressurizer Power Operated Relief Valves

None.



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OPERATING DATA REPORT

DOCKET NO. 50-275  
 DATE 02/01/91  
 COMPLETED BY T. C. Joyce  
 TELEPHONE (805)545-4139

OPERATING STATUS

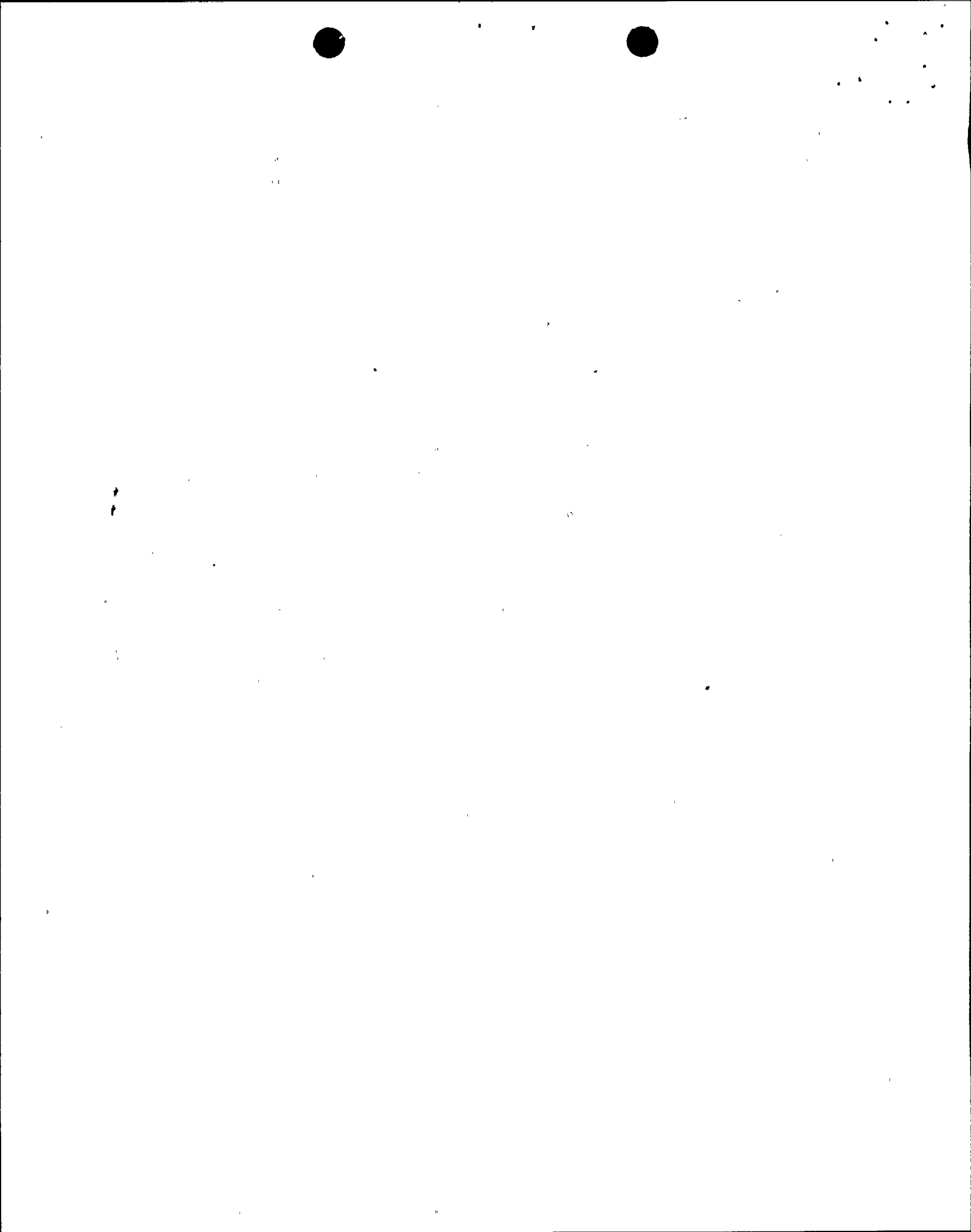
1. Unit Name: Diablo Canyon Unit 1
2. Reporting Period: January 1991
3. Licensed Thermal Power (MWt): 3338
4. Nameplate Rating (Gross MWe): 1137
5. Design Electrical Rating (Net MWe): 1086
6. Maximum Dependable Capacity (Gross MWe): 1124
7. Maximum Dependable Capacity (Net MWe): 1073.4
8. If changes occur in capacity ratings (Items Number 3 through 7) since last report, give reasons:  
N/A

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	<u>744.0</u>	<u>744.0</u>	<u>50302.3</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>744.0</u>	<u>41861.2</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>744.7</u>	<u>41103.5</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2390502</u>	<u>2390502</u>	<u>127684974</u>
17. Gross Electrical Energy Generated	<u>804200</u>	<u>804200</u>	<u>42994532</u>
18. Net Electrical Energy Generated	<u>765028</u>	<u>765028</u>	<u>40745110</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>81.7</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>81.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>95.8</u>	<u>95.8</u>	<u>75.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.7</u>	<u>94.7</u>	<u>74.6</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>3.9</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling, February 1991, 60 days

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A



# OPERATING DATA REPORT

DOCKET NO. 50-323  
 DATE 02/01/91  
 COMPLETED BY T. C. Joyce  
 TELEPHONE (805)545-4139

## OPERATING STATUS

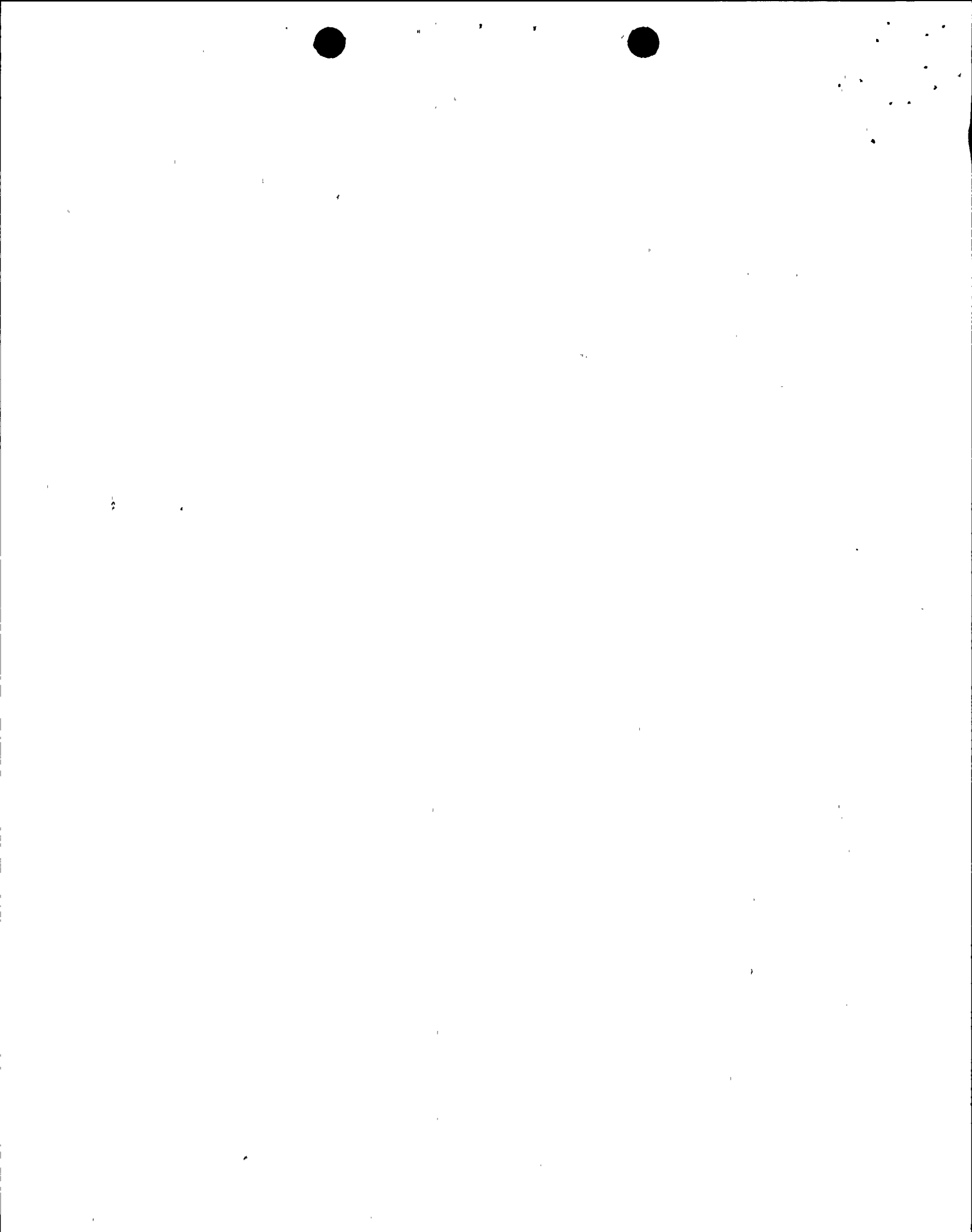
1. Unit Name: Diablo Canyon Unit 2
2. Reporting Period: January 1991
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1164
5. Design Electrical Rating (Net MWe): 1119
6. Maximum Dependable Capacity (Gross MWe): 1137
7. Maximum Dependable Capacity (Net MWe): 1087
8. If changes occur in capacity ratings (Items Number 3 through 7) since last report, give reasons:  
N/A

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	744.0	744.0	42861.0
12. Number Of Hours Reactor Was Critical	744.0	744.0	35420.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.0	34677.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated	2354000	2354000	112132054
17. Gross Electrical Energy Generated	775300	775300	37338499
18. Net Electrical Energy Generated	739005	739005	35410077
19. Unit Service Factor	100.0	100.0	80.9
20. Unit Availability Factor	100.0	100.0	80.9
21. Unit Capacity Factor (Using MDC Net)	91.4	91.4	76.2
22. Unit Capacity Factor (Using DER Net)	88.8	88.8	73.0
23. Unit Forced Outage Rate	0.0	0.0	5.8
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: N/A



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-275  
 UNIT 1  
 DATE 02/01/91  
 COMPLETED BY T. C. JOYCE  
 TELEPHONE (805)545-4139

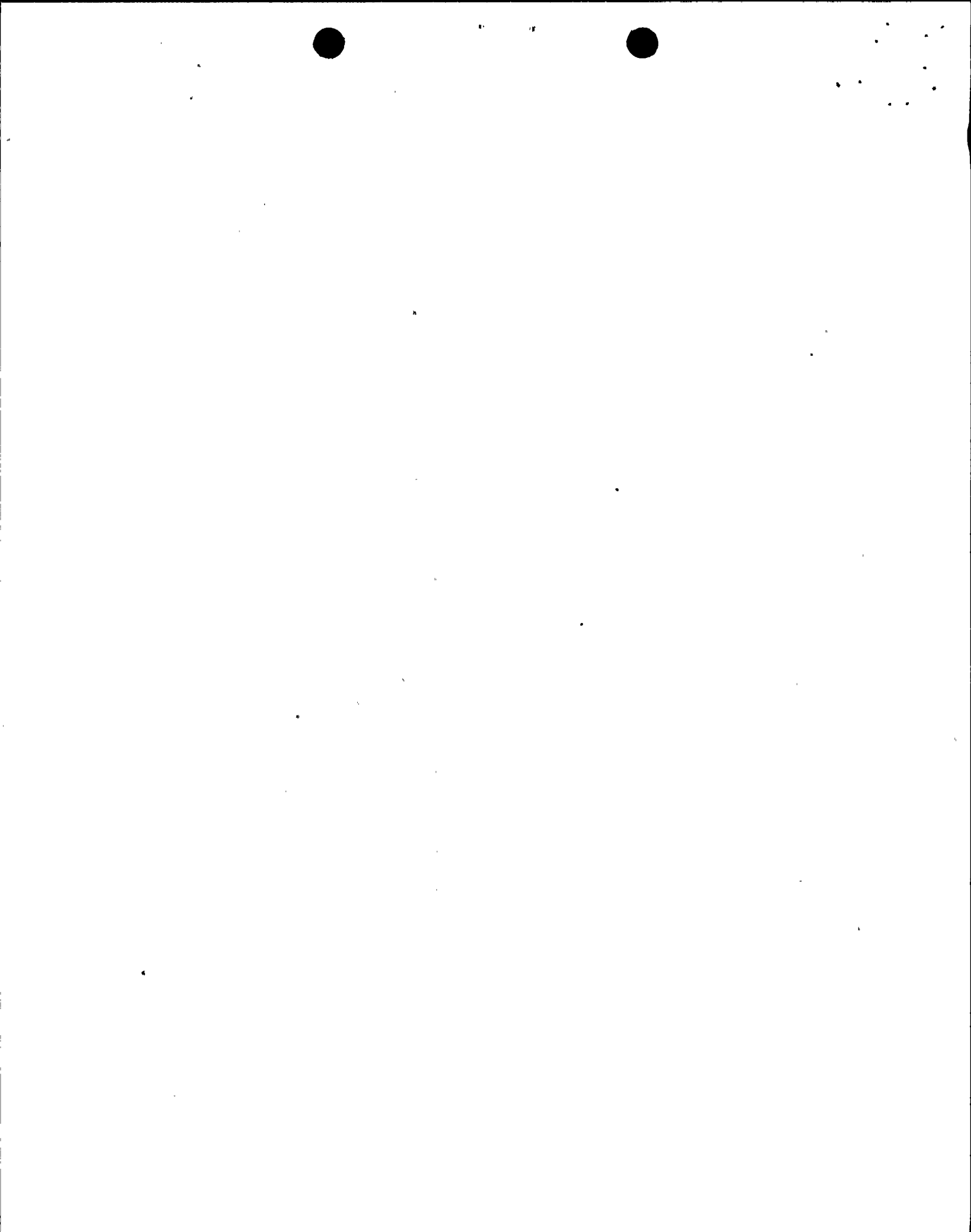
MONTH: JANUARY 1991

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1072	16	1068
2	1076	17	1064
3	1068	18	1064
4	1072	19	1063
5	1069	20	1067
6	1073	21	1064
7	1073	22	1056
8	1064	23	1043
9	1068	24	1035
10	1073	25	980
11	1048	26	869
12	805	27	944
13	1056	28	918
14	1064	29	968
15	1064	30	979
		31	950

INSTRUCTIONS:

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

The average monthly electrical power level for JAN. 1991 = 1028 MWe-Net



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-323  
 UNIT 2  
 DATE 02/01/91  
 COMPLETED BY T. C. JOYCE  
 TELEPHONE (805)545-4139

MONTH: JANUARY 1991

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1080	16	1079
2	1075	17	1083
3	1075	18	1083
4	1050	19	1092
5	119	20	1080
6	800	21	1083
7	987	22	1080
8	1088	23	1084
9	1087	24	1084
10	1084	25	1083
11	1088	26	1079
12	1084	27	1084
13	1084	28	1079
14	774	29	1080
15	504	30	994
		31	666

INSTRUCTIONS:

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

The average monthly electrical power level for JAN. 1991 = 993 MWe-Net



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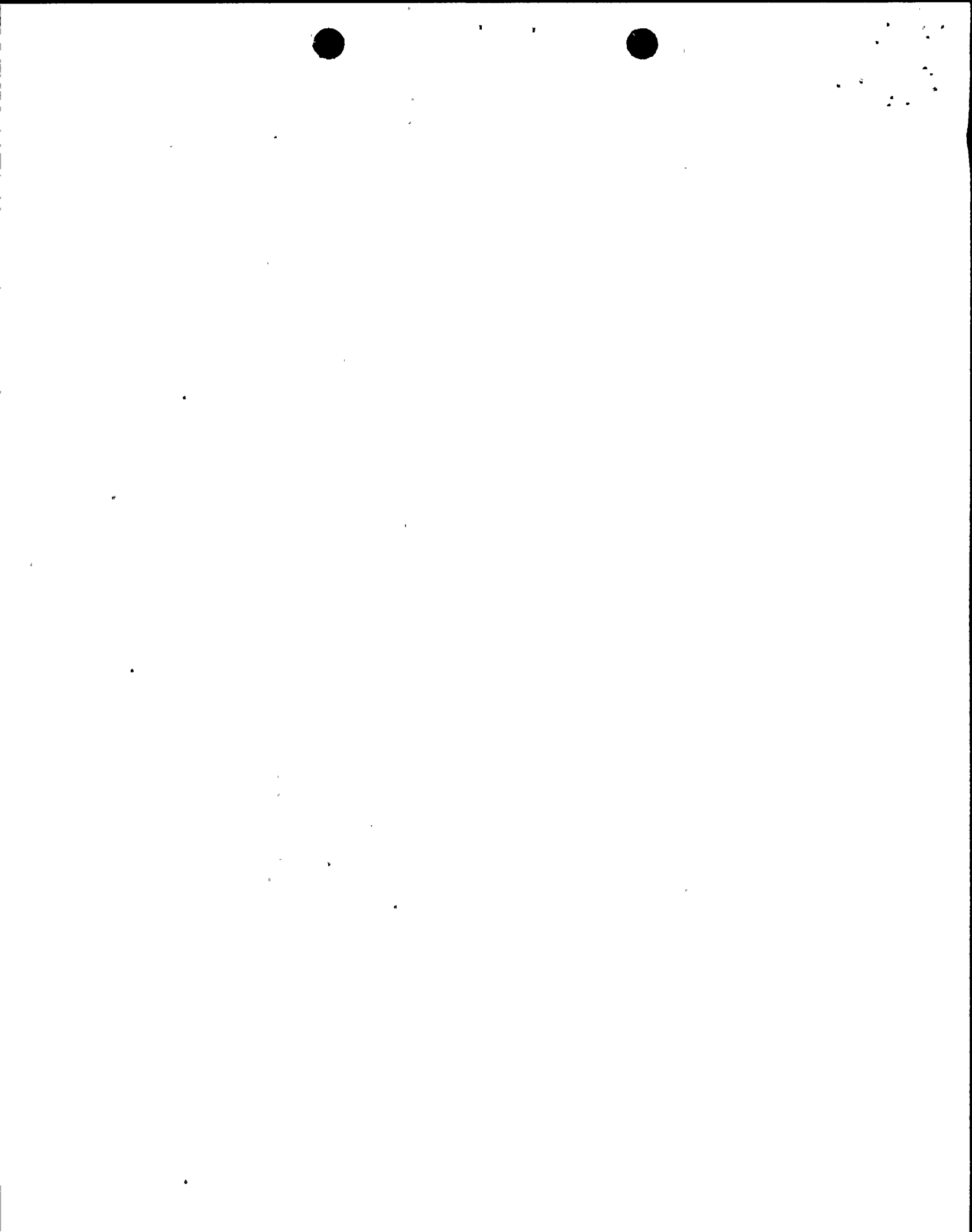
UNIT SHUTDOWNS AND POWER REDUCTIONS  
Page 1 of 1

DOCKET NO. 50-275  
 UNIT NAME Diablo Canyon Unit 1  
 DATE 02/01/91  
 COMPLETED BY P.G. DAHAN  
 TELEPHONE (805) 545-4054

REPORT MONTH JANUARY 1991

No.	Date	1 Type	Duration (Hours)	2 Reason	Method of 3 Shutdown	Licensee Event Report #	System 4 Code	Component 5 Code	Cause & Corrective Action to Prevent Recurrence
1.	910111	S	0	B	1	N/A	SD	COND	Unit 1 ramped down to 50% for condenser cleaning.
2.	910125	S	0	B	1	N/A	SD	COND	Unit 1 ramped down to 50% for condenser cleaning.

1 Type: 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 from previous month 5-Power reduction 6,7,8-N/A 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
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UNIT SHUTDOWNS AND POWER REDUCTIONS  
Page 1 of 1

DOCKET NO. 50-323  
 UNIT NAME Diablo Canyon Unit 2  
 DATE 02/01/91  
 COMPLETED BY P.G. DAHAN  
 TELEPHONE (805) 545-4054

REPORT MONTH JANUARY 1991

No.	Date	1 Type	Duration (Hours)	2 Reason	Method of 3 Shutdown	Licensee Event Report #	System 4 Code	Component 5 Code	Cause & Corrective Action to Prevent Recurrence
1	910104	S	0	B	5	N/A	SJ	P	Unit 2 ramped down to 15% power to repair Main Feedwater Pump 2-3, Main Feedwater regulating valve FCV-520, Component Cooling Water Pump 2-1 and for Water Box cleaning.
2	910114	S	0	B	5	N/A	NN	SCN	Unit 2 ramped down to 50% power for 2-1 screen repair.
3	910130	S	0	B	5	N/A	SD	COND	Unit 2 ramped down to 50% power for salt water leak tube plugging.

1  
Type:  
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 from previous month  
5-Power reduction  
6,7,8-N/A  
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



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DATE: February 1, 91

REFUELING INFORMATION REQUEST

1. Name of facility: Diablo Canyon Unit 1
2. Scheduled date for next refueling shutdown: February 3, 1991
3. Scheduled date for restart following refueling: April 2, 1991
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)? If no such review has taken place, when is it scheduled?

No. On January 9, 1991, the PSRC has reviewed the reload fuel design and core configuration and found no unreviewed safety question associated with the core reload (Ref. 10CFR Section 50.59).

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

N/A

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:

N/A

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

(a) 193 (b) 200

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 1324 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: 2012 (Loss of full core offload capability)



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DATE: February 1, 91

REFUELING INFORMATION REQUEST

1. Name of facility: Diablo Canyon Unit 2
2. Scheduled date for next refueling shutdown: September 1991 (estimated)
3. Scheduled date for restart following refueling: December 1991 (estimated)
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)? If no such review has taken place, when is it scheduled?

No. The PSRC is scheduled to review the cycle 5 core reload in September 1991 (estimated).

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

N/A

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:

N/A

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

(a) 193 (b) 224

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 1324 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: 2012 (Loss of full core offload capability)

