

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8910260116      DOC. DATE: 89/09/30      NOTARIZED: NO      DOCKET #  
 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  
 BEDESEM, P.      Pacific Gas & Electric Co.  
 TOWNSEND, J.D.      Pacific Gas & Electric Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Sept 1989 for Diablo Canyon  
 Units 1 & 2. W/891013 ltr.

DISTRIBUTION CODE: IE24D      COPIES RECEIVED: LTR 1 ENCL 1      SIZE: 11  
 TITLE: Monthly Operating Report (per Tech Specs)

NOTES:

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID CODE/NAME		LTR	ENCL		ID CODE/NAME		LTR	ENCL
	PD5 LA		3	3		PD5 PD		1	1
	ROOD, H		1	1					
INTERNAL:	ACRS		10	10		AEOD/DOA		1	1
	AEOD/DSP/TPAB		1	1		IRM TECH ADV		2	2
	NRR/DLPQ/PEB 10		1	1		NRR/DOEA/EAB 11		1	1
	NRR/DREP/RPB 10		1	1		NUDOCS-ABSTRACT		1	1
	<u>REG FILE 01</u>		1	1		RGN5		1	1
EXTERNAL:	EG&G SIMPSON, F		1	1		LPDR		1	1
	NRC PDR		1	1		NSIC		1	1

TOTAL NUMBER OF COPIES REQUIRED: LTR 29 ENCL 29

*MRcc*

R  
I  
D  
S  
/  
A  
D  
D  
S  
  
  
  
  
  
  
  
  
  
  
  
R  
I  
D  
S  
/  
A  
D  
D  
S



Small, faint, illegible text or markings in the top right corner.



Pacific Gas and Electric Company

Diablo Canyon Power Plant  
P.O. Box 56  
Avila Beach, CA 93424  
805/595-7351



October 13, 1989

U.S. Nuclear Regulatory Commission  
Attn: 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 September, 1989

Gentlemen:

Enclosed are the completed monthly operating report forms for Diablo Canyon Units 1 and 2 for September, 1989. 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, appearing to read 'John D. Townsend'. The signature is written in dark ink and is positioned above the typed name and title.

John D. Townsend  
Plant Manager

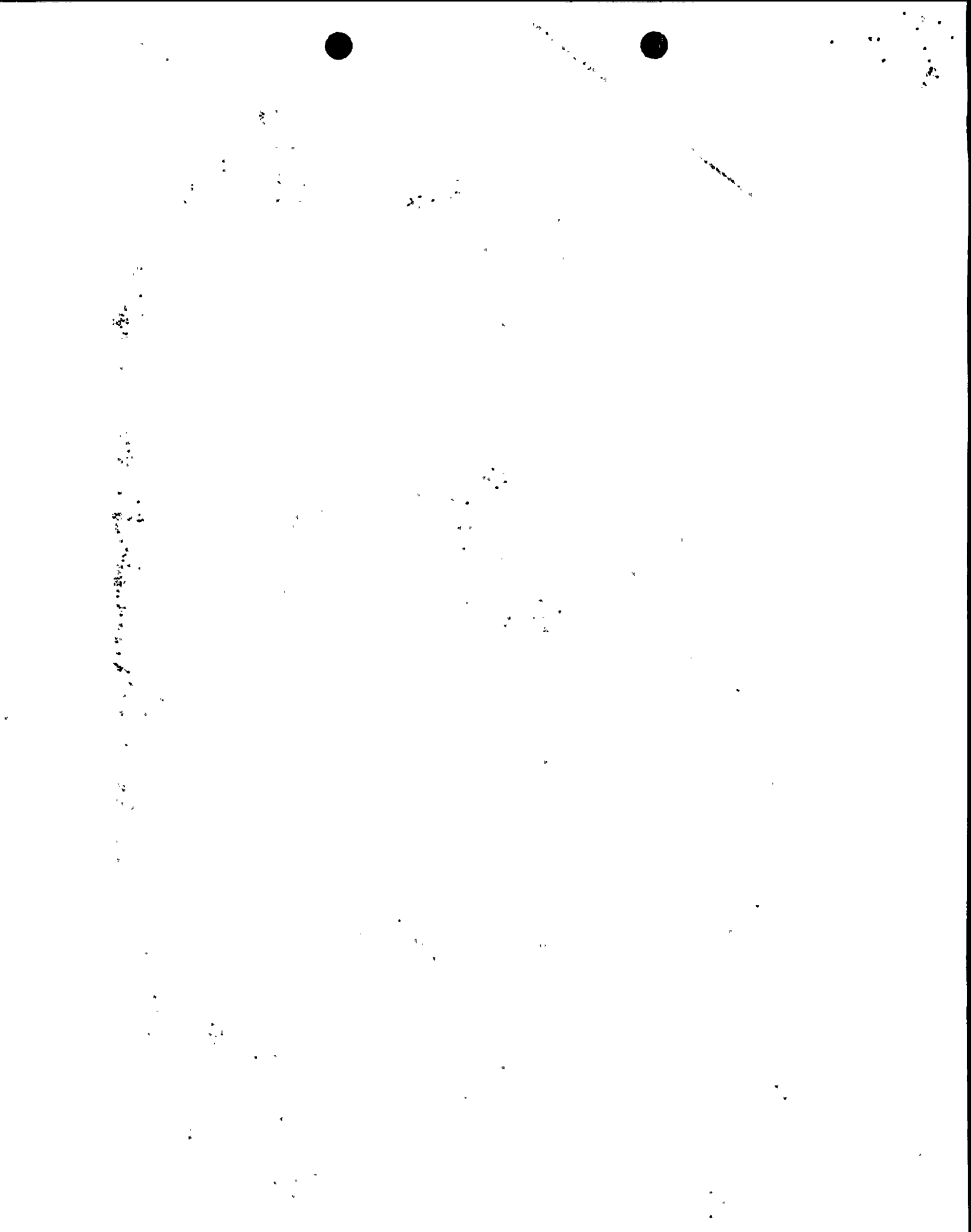
JCN:jn

Enclosures

cc Mr. John B. Martin, Regional Administrator  
Region V - USNRC

8910260116 890930  
PDR ADDCK 05000275  
R PNU

IEZA  
11



MONTHLY NARRATIVE REPORT  
OF OPERATION  
AND MAJOR MAINTENANCE EXPERIENCE

This report describes the operating and major maintenance experience for the month of September, 1989. 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 September 1, 1989: Unit 1 started the month at 100% power and Unit 2 started the month at 100% power.
- On September 16, 1989: Unit 2 ramped down to 50% power for main condenser cleaning.
- On September 18, 1989: Unit 2 returned to 100% power.
- On September 22, 1989: A 10 CFR 50.72(b)(1)(v) non-Emergency 1 hour report was made regarding a loss of Emergency Notification System telephone lines on September 21, 1989 at 1650 PDT.
- On September 30, 1989: Unit 1 ended the month at 100% power and Unit 2 ended the month at 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 100.1%. Unit 1 did not reduced power this month. Unit 2 operated this month with a unit availability factor of 100.0% and a unit capacity factor of 98.4%. Unit 2 reduced power once this month for main condenser cleaning.



6

of the ... ..

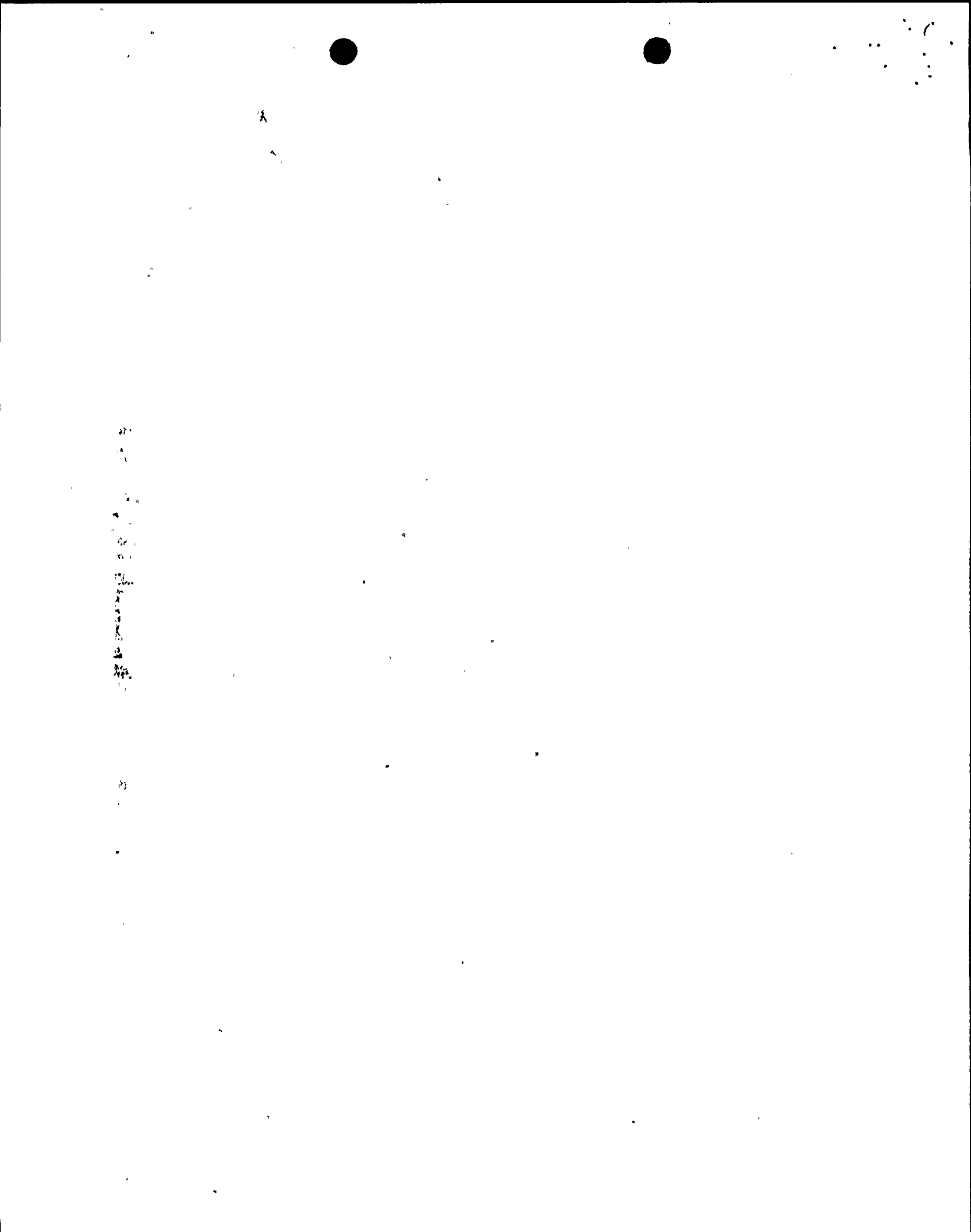
...

### Summary of Significant Safety Related Maintenance

- o Unit 1 continued a program for replacement of torque switches in the actuators of Limitorque motor operated valves due to a vendor 10 CFR part 21 report received.
- o Unit 2 continued a program for replacement of torque switches in the actuators of Limitorque motor operated valves due to a vendor 10 CFR part 21 report received.
- o The spare pressurizer safety valve was sent to Westinghouse for establishing it's set point and will be returned to warehouse inventory following relapping and leak testing.

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

There were no challenges to the steam generator safety valves or the pressurizer power operated relief valves in September.





OPERATING DATA REPORT

DOCKET NO. 50-275  
 DATE 10/02/89  
 COMPLETED BY P. Bedesem  
 TELEPHONE (805)595-4097

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 1
2. Reporting Period: September 1989
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>720.0</u>	<u>6551.0</u>	<u>38589.3</u>
12. Number Of Hours Reactor Was Critical	<u>720.0</u>	<u>6551.0</u>	<u>31974.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>6551.0</u>	<u>31414.7</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated	<u>2400292</u>	<u>21275841</u>	<u>96814752</u>
17. Gross Electrical Energy Generated	<u>810800</u>	<u>7179900</u>	<u>32612732</u>
18. Net Electrical Energy Generated	<u>773322</u>	<u>6834665</u>	<u>30904779</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>81.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>81.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.1</u>	<u>97.2</u>	<u>74.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.9</u>	<u>96.1</u>	<u>73.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>3.5</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Third refueling outage, 10/15/89, 60 days

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

Handwritten text, possibly a date or reference number, located on the left side of the page.

OPERATING DATA REPORT

DOCKET NO. 50-323  
 DATE 10/02/89  
 COMPLETED BY P. Bedesem  
 TELEPHONE (805)595-4097

OPERATING STATUS

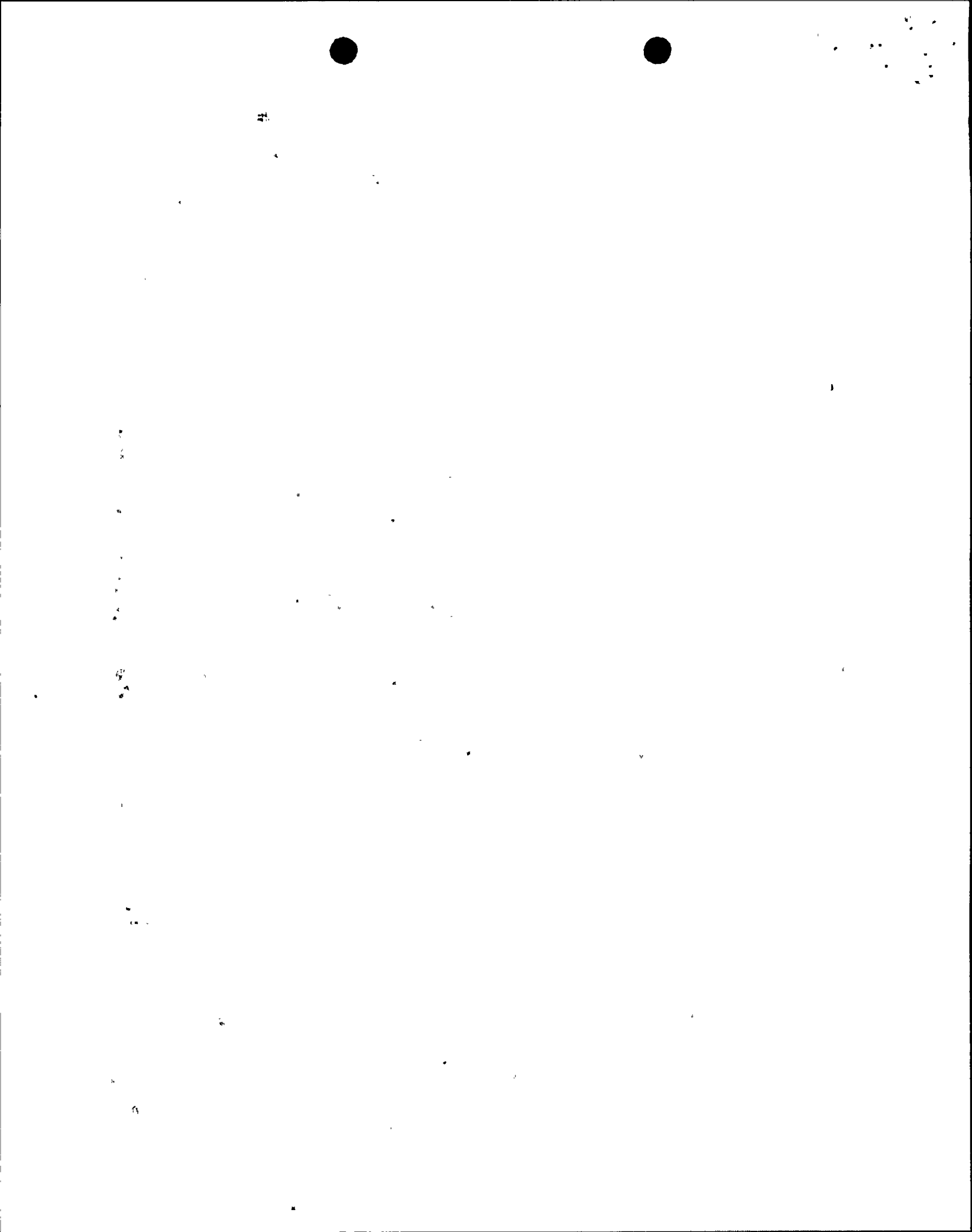
1. Unit Name: Diablo Canyon Unit 2
2. Reporting Period: September 1989
3. Licensed Thermal Power (Mwt): 3411
4. Nameplate Rating (Gross MWe): 1164
5. Design Electrical Rating (Net MWe): 1119
6. Maximum Dependable Capacity (Gross MWe): 1137
7. Maximum Dependable Capacity (Net MWe): 1087
8. If changes 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	<u>720.0</u>	<u>6551.0</u>	<u>31148.0</u>
12. Number Of Hours Reactor Was Critical	<u>720.0</u>	<u>6140.8</u>	<u>25247.2</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>6104.7</u>	<u>24678.2</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated	<u>2402618</u>	<u>20348337</u>	<u>79403022</u>
17. Gross Electrical Energy Generated	<u>806400</u>	<u>6864200</u>	<u>26444499</u>
18. Net Electrical Energy Generated	<u>770050</u>	<u>6544229</u>	<u>25038890</u>
19. Unit Service Factor	<u>100.0</u>	<u>93.2</u>	<u>79.2</u>
20. Unit Availability Factor	<u>100.0</u>	<u>93.2</u>	<u>79.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.4</u>	<u>91.9</u>	<u>74.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.6</u>	<u>89.3</u>	<u>71.8</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>4.2</u>	<u>7.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each)			

Third refueling outage, 2/18/90, 60 days

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 10/02/89  
 COMPLETED BY P. Bedesem  
 TELEPHONE (805) 595-4097

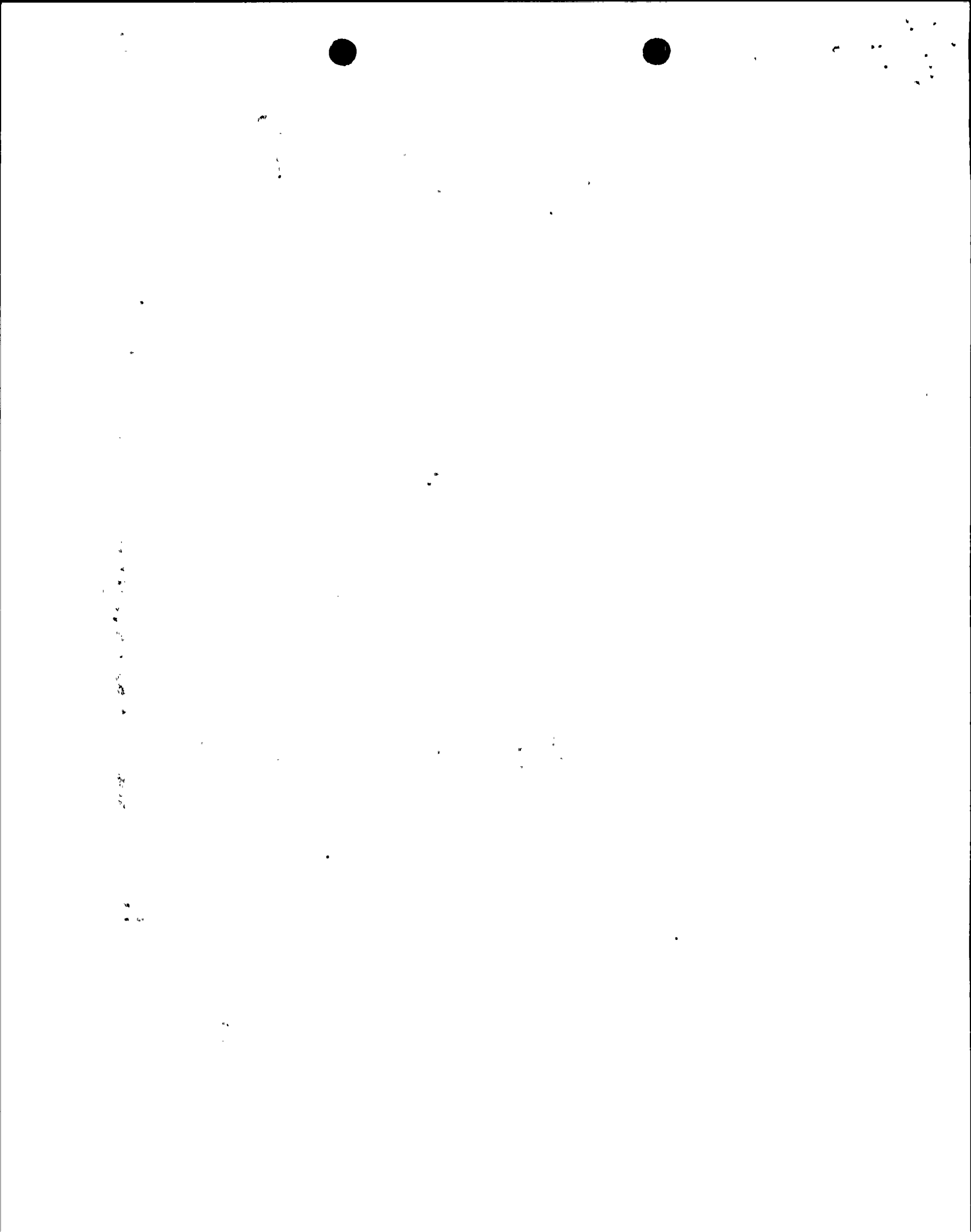
MONTH: SEPTEMBER 1989

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1077	16	1073
2	1082	17	1073
3	1082	18	1073
4	1081	19	1068
5	1081	20	1073
6	1077	21	1072
7	1077	22	1069
8	1082	23	1068
9	1077	24	1069
10	1077	25	1069
11	1077	26	1069
12	1077	27	1069
13	1077	28	1066
14	1074	29	1069
15	1077	30	1069

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 September 89 = 1074 MWe-Net



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-323  
 UNIT 2  
 DATE 10/02/89  
 COMPLETED BY P. Bedesem  
 TELEPHONE (805) 595-4097

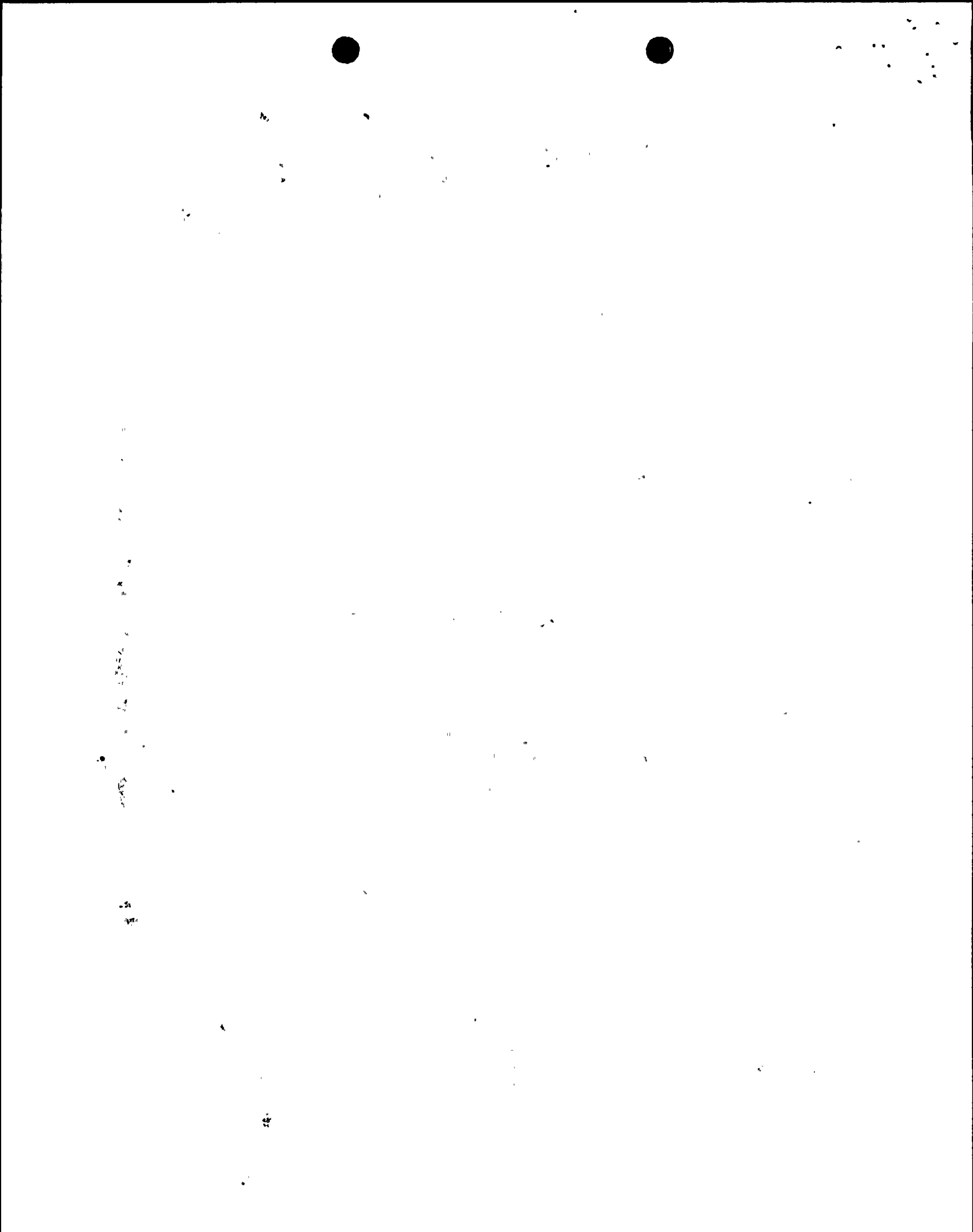
MONTH: SEPTEMBER 1989

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1083	16	984
2	1094	17	477
3	1100	18	1061
4	1095	19	1099
5	1091	20	1095
6	1091	21	1099
7	1090	22	1099
8	1095	23	1095
9	1095	24	1095
10	1091	25	1099
11	1095	26	1099
12	1091	27	1095
13	1095	28	1099
14	1091	29	1099
15	1095	30	1099

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 September 89 = 1070 MWe-Net





UNIT SHUTDOWNS AND POWER REDUCTIONS  
Page 1 of 1

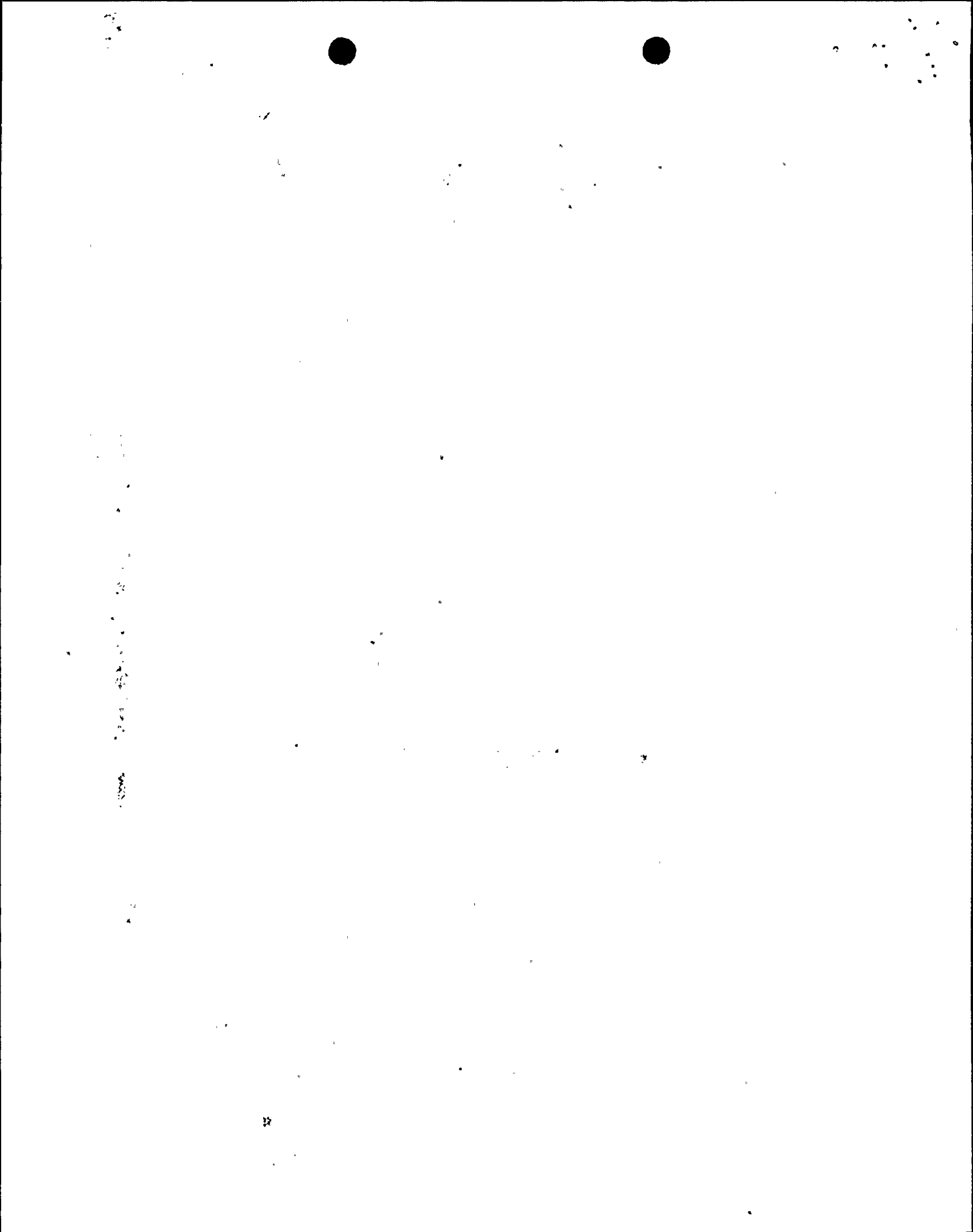
DOCKET NO. 50-275  
 UNIT NAME Diablo Canyon Unit 1  
 DATE 10/02/89  
 COMPLETED BY J. Nolan  
 TELEPHONE (805) 595-4509

REPORT MONTH SEPTEMBER 1989

No.	Date	1 Type	Duration (Hours)	2 Reason	3 Method of Shutdown	Licensee Event Report #	4 System Code	5 Component Code	Cause & Corrective Action to Prevent Recurrence
-----	------	-----------	---------------------	-------------	----------------------------	-------------------------------	---------------------	------------------------	-------------------------------------------------------

None this month.

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
---------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------	------------------------------



UNIT SHUTDOWNS AND POWER REDUCTIONS  
Page 1 of 1

DOCKET NO. 50-323  
UNIT NAME Diablo Canyon Unit 2  
DATE 10/02/89  
COMPLETED BY J. Nolan  
TELEPHONE (805) 595-4509

REPORT MONTH SEPTEMBER 1989

No.	Date	1 Type	Duration (Hours)	2 Reason	3 Method of Shutdown	Licensee Event Report #	4 System Code	5 Component Code	Cause & Corrective Action to Prevent Recurrence
1	9/16/89	S	0	B	5	N/A	SG	COND	Unit 2 reduced power to 50% to clean the main condenser.

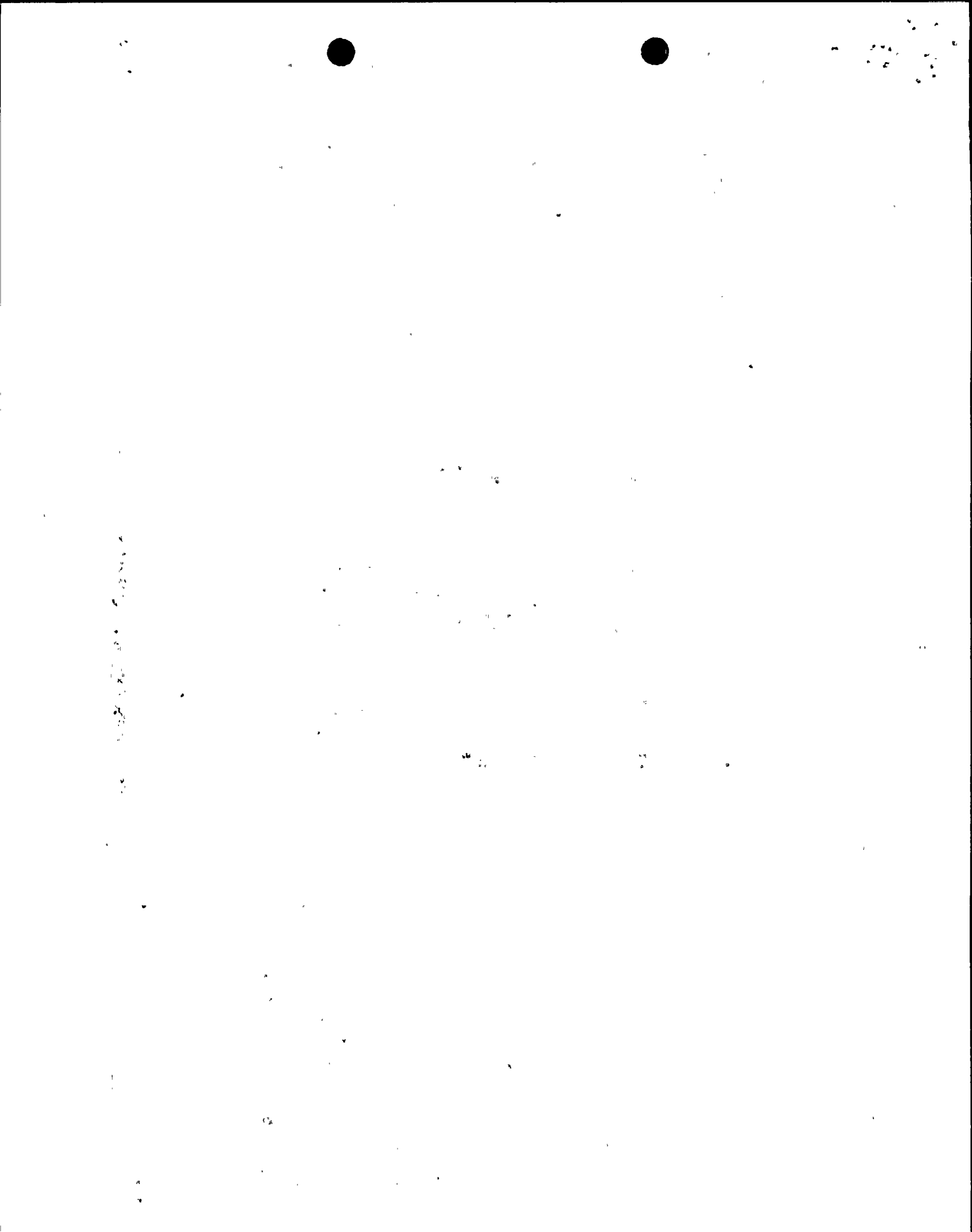
1  
Type:  
F-Forced  
S-Scheduled

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



DATE: 10/02/89

REFUELING INFORMATION REQUEST

1. Name of facility: Diablo Canyon Unit 1
2. Scheduled date for next refueling shutdown: October 1989 (estimated)
3. Scheduled date for restart following refueling: December 1989 (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?

Yes. PG & E has requested approval for implementing a Core Operating Limits Report in accordance with Generic Letter 88-18, "Removal of Cycle-Specific Parameter Limits from Technical Specifications". The amendment will allow the axial flux difference curve to be modified consistent with the reload design requirements. NRC approval of this license amendment is requested by December 1, 1989.

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

License amendment request transmitted in PG & E letter no. DCL-89-214, dated August 15, 1989.

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:

PG & E will introduce Westinghouse Vantage 5 fuel into the core reload.

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)



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

2

4

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

1

2

1

2

1

DATE: 10/02/89

REFUELING INFORMATION REQUEST

1. Name of facility: Diablo Canyon Unit 2
2. Scheduled date for next refueling shutdown: February 1990 (estimated)
3. Scheduled date for restart following refueling: April 1990 (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?

Yes. PG & E has requested approval for implementing a Core Operating Limits Report in accordance with Generic Letter 88-18, "Removal of Cycle-Specific Parameter Limits from Technical Specifications". The amendment will allow the axial flux difference curve to be modified consistent with the reload design requirements. NRC approval of this license amendment is requested by December 1, 1989.

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

License amendment request transmitted in PG & E letter no. DCL-89-214, dated August 15, 1989.

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:

PG & E will introduce Westinghouse Vantage 5 fuel into the core reload.

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

(a) 193 (b) 144

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)

