

OPERATING DATA REPORT

DOCKET NO. 50-275
DATE 12/06/85
COMPLETED BY Bob Kanick
TELEPHONE (805)595-7351

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 1
2. Reporting Period: November 1985
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): 1125**
7. Maximum Dependable Capacity (Net MWe): 1073**
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: None

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	720	4990.3	4990.3*
12. Number Of Hours Reactor Was Critical	486.3	4658.8	4658.8*
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	479.3	4613.8	4613.8*
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1523963	14635460	14635460
17. Gross Electrical Energy Generated (MWH)	504600	4870432	4870432
18. Net Electrical Energy Generated (MWH)	475559	4625090	4625090
19. Unit Service Factor	66.6	92.5	92.5
20. Unit Availability Factor	66.6	92.5	92.5
21. Unit Capacity Factor (Using MDC Net)	61.6	86.4	86.4
22. Unit Capacity Factor (Using DER Net)	60.8	85.3	85.3
23. Unit Forced Outage Rate	33.4	7.5	7.5
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Est. Date of Start-up: N/A
26. Units In Test Status (Prior to Commercial Operation): N/A

* As of commercial operation on 5-7-85 at 0243.

** These values are predictions - actual values are to be determined by operating experience during the first year of commercial operation.

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OPERATING DATA REPORT

DOCKET NO. 50-323
 DATE 12/06/85
 COMPLETED BY Bob Kanick
 TELEPHONE (805) 595-7351

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 2
2. Reporting Period: November 1985
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): 1145***
7. Maximum Dependable Capacity (Net MWe): 1093***
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: N/A

9. Power Level In Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: None

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	720	5137	5137*
12. Number Of Hours Reactor Was Critical	558.8	1301.3	1301.3*
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	510.5	725.8	725.8*
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	916009	1150184	1150184*
17. Gross Electrical Energy Generated (MWH)	281500	332400	332400*
18. Net Electrical Energy Generated (MWH)	248463	218158	218158*
19. Unit Service Factor	N/A**		
20. Unit Availability Factor	N/A**		
21. Unit Capacity Factor (Using MDC Net)	N/A**		
22. Unit Capacity Factor (Using DER Net)	N/A**		
23. Unit Forced Outage Rate	N/A**		
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

N/A

25. If Shut Down At End Of Report Period, Est. Date of Start-up: _____
 26. Units In Test Status (Prior to Commercial Operation):
- | | Forecast | Achieved |
|----------------------|--------------|--------------|
| INITIAL CRITICALITY | July 1985 | August 1985 |
| INITIAL ELECTRICITY | October 1985 | October 1985 |
| COMMERCIAL OPERATION | January 1986 | |

- * Cumulative totals started on the April 26, 1985 (Date of effectiveness of Low Power License).
- ** These sections not applicable until commencement of commercial operation.
- *** These values are predictions - actual values are to be determined by operating experience during the first year of commercial operation.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-275
UNIT Diablo Canyon Unit I
DATE 12/06/85
COMPLETED BY Bob Kanick
TELEPHONE (805)595-7351

MONTH November 1985

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>-15</u>
2	<u>-6</u>
3	<u>-5</u>
4	<u>-5</u>
5	<u>-5</u>
6	<u>-13</u>
7	<u>-25</u>
8	<u>-36</u>
9	<u>-46</u>
10	<u>-39</u>
11	<u>258</u>
12	<u>642</u>
13	<u>1039</u>
14	<u>1066</u>
15	<u>1068</u>
16	<u>1062</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1049</u>
18	<u>1070</u>
19	<u>1066</u>
20	<u>1070</u>
21	<u>1065</u>
22	<u>1066</u>
23	<u>1074</u>
24	<u>1020</u>
25	<u>1070</u>
26	<u>1066</u>
27	<u>1069</u>
28	<u>1057</u>
29	<u>1066</u>
30	<u>1063</u>

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.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-323
UNIT Diablo Canyon Unit 2
DATE 12/06/85
COMPLETED BY Bob Kanick
TELEPHONE (805)595-7351

MONTH November 1985

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>205</u>
2	<u>443</u>
3	<u>446</u>
4	<u>439</u>
5	<u>416</u>
6	<u>320</u>
7	<u>-46</u>
8	<u>-33</u>
9	<u>71</u>
10	<u>421</u>
11	<u>421</u>
12	<u>433</u>
13	<u>229</u>
14	<u>-32</u>
15	<u>350</u>
16	<u>766</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>782</u>
18	<u>724</u>
19	<u>304</u>
20	<u>342</u>
21	<u>453</u>
22	<u>699</u>
23	<u>325</u>
24	<u>543</u>
25	<u>691</u>
26	<u>754</u>
27	<u>-39</u>
28	<u>-38</u>
29	<u>-38</u>
30	<u>4</u>

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

Page 1 of 1

DOCKET NO. 50-275
 UNIT NAME Diablo Canyon Unit 1
 DATE 12/06/85
 COMPLETED BY D.P. SISK
 TELEPHONE (805)595-7351

REPORT MONTH NOVEMBER 1985

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutdown ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	10/30/85	S	240.8	A	4	NA	SG	TBG	Unit was shutdown to clear up steam generator and condensate water chemistry after a main condenser tube leak.

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 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 2

DOCKET NO. 50-323
 UNIT NAME Diablo Canyon Unit 2
 DATE 12/06/85
 COMPLETED BY D.P. SISK
 TELEPHONE (805)595-7351

REPORT MONTH NOVEMBER 1985

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutdown ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	10/31	S	6.9	B	4	NA	NA	NA	Generator Testing
2	11/06	F	55.0	B	3	2-85-013	NA	NA	Slow response of turbine interceptor valves resulted in a low-low steam generator level reactor trip. To prevent recurrence, the turbine interceptor valves hydraulic system was modified to improve interceptor valve response time per Westinghouse recommendations.
3	11/09	F	14.1	G	3	2-85-015	NA	NA	Personnel error. Operators closed a main feed pump recirculation valve before all four feedwater regulating valves were in automatic.
4	11/13	S	1.0	B	1	NA	NA	NA	Generator Testing
5	11/13	S	40.0	B	1	NA	NA	NA	Generator Testing

1
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 S: Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
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 H-Other (Explain)

3
 Method:
 1-Manual
 2-Manual Scram
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 previous month
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 6,7,8-N/A
 9-Other

4
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 (NUREG-1022)
 5
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

Page 2 of 2

DOCKET NO. 50-323
 UNIT NAME Diablo Canyon Unit 2
 DATE 12/06/85
 COMPLETED BY D.P. SISK
 TELEPHONE (805)595-7351

REPORT MONTH NOVEMBER 1985

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutdown ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
6	11/26	F	92.4	A	3	2-85-016	NA	NA	During a load rejection test from 75 to 25 per cent power, unit experienced a low-low steam generator level reactor trip and hi steam flow/low S/G Press safety injection.
7	11/28	F	--	A	2,3	2-85-017	NA	NA	With reactor at 0.5 per cent power and turbine latched with air/oil relay cut out, the air/oil relay was cut in which caused a momentary steam flow/feed flow bistable to pick up. This coincident with low level bistable already in caused a reactor trip. The duration of the initiating signal was so short that reactor trip breaker B did not open. Subsequent testing and discussion with the vendor, Westinghouse, have confirmed that the reactor protection system and the trip breakers functioned properly and no anomalies exist.

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 from
 previous month
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 6,7,8-N/A
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 Exhibit G - Instructions
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 Entry Sheets for Licensee
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5
 Exhibit I - Same Source

PACIFIC GAS AND ELECTRIC COMPANY



DIABLO CANYON POWER PLANT
P.O. Box 56 • Avila Beach, California 93424 • (805) 595-7351

R.C. THORNBERRY
PLANT MANAGER

December 6, 1985

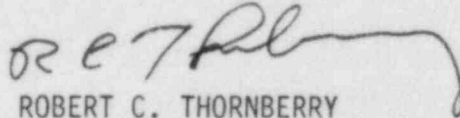
Office of Management Information
and Program Control
U.S. Nuclear Regulatory Commission
Washington, DC 20555

RE: Docket No. 50-275 and 50-323
License No. DPR-80 and DPR-82
Monthly Operating Report for November, 1985

Gentlemen:

Enclosed are the completed monthly operating report forms for Diablo Canyon Units 1 and 2 for November, 1985. This report is submitted in accordance with Section 6.9.1.7 of the Units 1 and 2 Technical Specifications.

Sincerely,


ROBERT C. THORNBERRY

RCT:lah

Enclosures

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

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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 November, 1985. 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.

On November 1, 1985 Unit 2 was paralleled to the grid

On November 6, 1985 Unit 2 experienced a reactor trip

On November 9, 1985 Unit 2 was paralleled to the grid

On November 9, 1985 Unit 2 experienced a reactor trip

On November 9, 1985 Unit 2 was paralleled to the grid

On November 11, 1985 Unit 1 was paralleled to the grid after a 12 day outage

On November 13, 1985 Unit 2 was separated from the grid for generator testing

On November 13, 1985 Unit 2 was paralleled to the grid

On November 13, 1985 Unit 2 experienced a reactor trip

On November 15, 1985 Unit 2 was paralleled to the grid

On November 18, 1985 Unit 2 reduced power to 30% to replace condensate polisher resins

On November 26, 1985 Unit 2 experienced a reactor trip

On November 28, 1985 Unit 2 experienced a reactor trip

On November 30, 1985 Unit 2 was paralleled to the grid

Unit 1 operated this month with a unit availability factor of 66.6% and a unit capacity factor of 61.6%. At the start of the month, Unit 1 was shutdown for 10 days to clean up secondary water chemistry.

There were no major safety related maintenance activities performed for Unit 1 or Unit 2 in the month of November, 1985.

No challenges to the PORVs or Steam Generator Safety Valves have been made.