MONTHLY NARRATIVE REPORT
OF OPERATION
AND MAJOR MAINTENANCE EXPERIENCE

This report describes the operating and major maintenance experience for the month of May, 1985. This narrative report was prepared by the plant staff and is submitted in accordance with Section 6.9.1.10 of the Unit 1 Plant Technical Specifications and Section 6.9.1.7 of the Unit 2 Plant Technical Specifications.

On May 5, Unit 1 was back on line following the start-up strainer removal outage.

On May 7, Unit 2 made initial entry to Mode 6 as initial fuel loading of Unit 2 commenced.

On May 7, Unit 1 was declared commercial at 0243 hours.

On May 18, Unit 1 experienced a reactor trip and safety injection.

On May 20, Unit 1 experienced a reactor trip and safety injection.

On May 20, Unit 1 experienced a reactor trip.

On May 21, Unit 2 made initial entry to Mode 5.

On May 28, the 1985 Breakwater Settlement Survey was completed and is included with this monthly report as required by DCPP Unit 1 and Unit 2 Technical Specification 4.7.13.3.

On May 28, the PSRC approved a revision to the Offsite Dose Calculation Procedure (ODCP). In accordance with Technical Specification 6.14, a copy of the changed pages, along with documentation of PSRC approval (Procedure History) is attached. Since the methodology for calculation and setpoint determination has not changed (no change to existing methodologies, but a new dose and dose rate calculation section was added for direct radiation), there is no decrease in accuracy or reliability of dose calculations or setpoint determinations. Copies of the revised procedure pages and the procedure history form are attached to this report.

There were no major safety related maintenances performed in the month of May 1985.

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

No changes have been made in the Environmental Radiological Monitoring procedure or in any radioactive waste treatment system.

In the July 1984 Monthly Operating Report, we reported that minor changes were made to the Environmental Radiological Monitoring Procedure (ERMP), consisting of the assignment of responsibilities for documentation and application of corrective actions and the addition of more sample points to the Cross Checks Program in response to an agreement with the State of California. This report did not completely satisfy the requirements of Section 6.14.1 of the Technical Specifications. To fulfill those requirements, copies of the affected pages are attached along with a statement of the reasons for the changes. Neither of these changes change the fundamental ERMP. Therefore, they will not reduce the accuracy or reliability of dose calculations or setpoint calculations. This procedure was reviewed and approved by the PSRC on April 12, 1984.

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OPERATING DATA REPORT

DOCKET NO. 50-275
DATE 06/03/85
COMPLETED BY Bob Kanick
TELEPHONE (805)595-7351

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 1
2. Reporting Period: May 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:

The capacity figures (items 6 and 7) were revised to reflect data obtained during recent full power operation

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	597.3	597.3	597.3*
12.	Number Of Hours Reactor Was Critical	557.3	557.3	557.3*
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	546.5	546.5	546.5*
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	1632108	1632108	1632108
17.	Gross Electrical Energy Generated (MWH)	544132	544132	544132
18.	Net Electrical Energy Generated (MWH)	514995	514995	514995
19.	Unit Service Factor	91.5	91.5	91.5
20.	Unit Availability Factor	91.5	91.5	91.5
21.	Unit Capacity Factor (Using MDC Net)	80.4	80.4	80.4
22.	Unit Capacity Factor (Using DER Net)	79.4	79.4	79.4
23.	Unit Forced Outage Rate	8.5	8.5	8.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

None

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):

	Forecast	Achieved
INITIAL CRITICALITY	April 1984	April 1984
INITIAL ELECTRICITY	November 1984	Nov. 1984
COMMERCIAL OPERATION	April 1985	May 1985

* Cumulative totals started at 0243 on May 7, 1985. (Time and date of start of commercial power operation).

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

OPERATING DATA REPORT

DOCKET NO. 50-323
DATE 06/03/85
COMPLETED BY Bob Kanick
TELEPHONE (805)595-7351

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 2
2. Reporting Period: May 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 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	744.0	863*	863*
12.	Number Of Hours Reactor Was Critical	0.0	0.0	0.0*
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	0.0	0.0	0.0*
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	0	0	0*
17.	Gross Electrical Energy Generated (MWH)	0	0	0*
18.	Net Electrical Energy Generated (MWH)	0	0	0*
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: July, 1985
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	June 1985	
INITIAL ELECTRICITY	July 1985	
COMMERCIAL OPERATION	October 1985	

* 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 1
DATE	06/03/85
COMPLETED BY	Bob Kanick
TELEPHONE	(805)595-7351

MONTH May 1985

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	N/A	17	1060
2	N/A	18	312
3	N/A	19	86
4	N/A	20	72
5	N/A	21	560
6	N/A	22	1064
7	1068	23	958
8	1073	24	491
9	1076	25	643
10	1084	26	1069
11	1078	27	1028
12	1024	28	957
13	1073	29	759
14	1081	30	1080
15	1072	31	758
16	1052		

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	06/03/85
COMPLETED BY	Bob Kanick
TELEPHONE	(805)595-7351

MONTH May 1985

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	-6	17	-4
2	-6	18	-8
3	-5	19	-21
4	-5	20	-11
5	-5	21	-9
6	-5	22	-4
7	-5	23	-5
8	-5	24	-4
9	-5	25	-4
10	-5	26	-4
11	-4	27	-4
12	-5	28	-5
13	-4	29	-5
14	-5	30	-5
15	-4	31	-4
16	-4		

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

DOCKET NO. 50-275
UNIT NAME Diablo Canyon Unit 1
DATE 06/03/85
COMPLETED BY D.P. SISK
TELEPHONE (805)595-7351

REPORT MONTH MAY 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	5-1	S	54.7	B	4	N/A	TB	GEN	Unit was placed in cold shutdown for the removal of start-up strainers, maintenance, required modifications, and surveillance testing necessary to permit operation for the balance of the fuel cycle with no additional planned outages.
2	5-18	F	26.0	A	3	85-014	EE	AB	The slave 2.5 KVA regulating transformer for instrument inverter IY-13 failed. The failed transformer was replaced. To improve reliability, the entire inverter will be replaced with a new, improved design that includes a single output regulator transformer (no slave transformer) during the first available long term outage.

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

DOCKET NO. 50-275
UNIT NAME Diablo Canyon Unit 1
DATE 06/03/85
COMPLETED BY D.P. SISK
TELEPHONE (805)595-7351

REPORT MONTH MAY 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
3	5-20	F	10.4	A	3	85-015	EE	AB	A loose connection to the output circuit breaker for instrument inverter PY-12 resulted in the breaker tripping open (low voltage or voltage spike). The connection was reterminated. To prevent recurrence, these connections will be rechecked in thirty days and again quarterly until the connections are replaced by using improved methods of making terminations.

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

DOCKET NO. 50-275
UNIT NAME Diablo Canyon Unit 1
DATE 06/03/85
COMPLETED BY D.P. SISK
TELEPHONE (805)595-7351

REPORT MONTH MAY 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
4	5-20	F	14.4	G	3	85-016	EE	AB	The reactor trip was caused by a voltage transient while instrument bus PY-12 was being transferred from back-up to normal power source. This caused source range channel 32 to spike and cause a reactor trip. To prevent recurrence, the applicable operational procedure has been revised to restrict the conditions under which this power transfer may be made.

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

DOCKET NO. 50-323
UNIT NAME Diablo Canyon Unit 2
DATE 06/03/85
COMPLETED BY D.P. SISK
TELEPHONE (805)595-7351

REPORT MONTH MAY 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

This report is not applicable until initial electrical production

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

In the July 1984 Monthly Operating Report, we reported that minor changes were made to the Environmental Radiological Monitoring Procedure (ERMP) consisting of the assignment of responsibilities for documentation and application of corrective actions and the addition of more sample points to the Cross Checks Program in response to an agreement with the State of California. This report did not completely satisfy the requirements of Section 6.14.1 of the Technical Specifications. To fulfill those requirements, copies of the affected pages are attached along with a statement of the reasons for the changes.

1) On page 1, the change from Lead Health Physicist to Senior Health Physicist was made to reflect the promotion of the individual involved.

2) On page 14, additional samples were added to the Cross Checks Program with the State of California. These were samples that were already being taken as part of the radiological monitoring program. This change to the ERMP constitutes only an increase in the number of samples in the Cross Checks Program.

Neither of these changes change the fundamental ERMP. Therefore, they will not reduce the accuracy or reliability of dose calculations or setpoint calculations. This procedure was reviewed and approved by the PSRC on April 12, 1984.

PACIFIC GAS AND ELECTRIC COMPANY

PG&E

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

R.C. THORNBERRY
PLANT MANAGER

June 7, 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-81
Monthly Operating Report for May, 1985

Gentlemen:

Enclosed are the completed monthly operating report forms for Diablo Canyon Units 1 and 2 for May, 1985. This report is submitted in accordance with Section 6.9.1.10 of our Unit 1 Technical Specifications and Section 6.9.1.7 of our Unit 2 Technical Specifications.

Sincerely,

R. C. THORNBERRY

RCT:jhr

Enclosures

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

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