

MONTHLY NARRATIVE REPORT  
OF OPERATION  
AND MAJOR MAINTENANCE EXPERIENCE

This report describes the operating and major maintenance experience for the month of May, 1984. This narrative report was prepared by the plant staff and is submitted in accordance with Section 6.9.1.10 of the Plant Technical Specifications.

Following initial criticality of the Unit 1 reactor on April 29, 1984, zero-power physics testing and the special low power natural circulation testing commenced and was successfully completed well ahead of schedule on May 23, 1984 with no significant problems.

On May 6th, with one protection set out of service for a functional test, a spurious signal from a second protection set resulted in a reactor trip. Subsequent investigation revealed a faulty Temperature Modifier in the protection set II control cabinet. The component was replaced and protection set II returned to service.

On May 8th, a malfunction in the Steam Dump Control System allowed several 40 per cent steam dump valves to open, initiating a high steam flow coincident with Low-Low Tavg safety injection and reactor trip. A failed pressure control module was replaced and the steam dump control system returned to service.

On May 14th, test recorders connected to pressure comparators through a defective isolator shorted the comparator's output, causing the Power Operated Relief Valves (PORV's) to cycle open and closed. The PORV's were closed and isolated and the recorders removed. A Significant Event report was made to the NRC Operations Center.

On May 16, 1984, we reported to the NRC the occurrence of a Positive Moderator Temperature Coefficient (MTC) in the all rods withdrawn, beginning of cycle life, hot zero power condition. A conservative upper estimate of predicted burnup sufficient to restore the temperature coefficient to within the acceptable limit is 3500 MWD/MTU, which is equivalent to 93 effective full power days. In the interim, the reactor will be operated with control rod withdrawal limits imposed to maintain the actual MTC negative.

On May 21st, the inadvertent deenergization of various plant radiation monitors resulted in the actuation of containment ventilation isolation. Power was restored to the radiation monitors within minutes and containment ventilation returned to its normal lineup.

Upon successful completion of all startup tests, the Unit 1 reactor was shut down on May 23rd for Post-operations inspection and maintenance.

On May 25th, while draining the Unit 2 condenser hotwell, a quantity of water containing fluorescein dye was discharged to the outfall. There was no significant impact to the environment and a news release to local news media was made.

On May 31st, replacement of steam generator snubbers was completed. The newly installed snubbers have an improved sealing and hydraulics system for a longer expected service life with less maintenance and inspection required.

No changes have been made in the Offsite Dose Calculation Procedure, the Environmental Radiological Monitoring Procedure, or any radioactive waste treatment systems.

# OPERATING DATA REPORT

DOCKET NO.	50-275
DATE	06/08/84
COMPLETED BY	W.J. Kelly
TELEPHONE	(805)595-7351

## OPERATING STATUS

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Unit Name: <u>Diablo Canyon Unit 1</u></li> <li>2. Reporting Period: <u>May 1984</u></li> <li>3. Licensed Thermal Power (Mwt): <u>166.9</u></li> <li>4. Nameplate Rating (Gross MWe): <u>1170</u></li> <li>5. Design Electrical Rating (Net MWe): <u>1084</u></li> <li>6. Maximum Dependable Capacity (Gross MWe): <u>1134</u></li> <li>7. Maximum Dependable Capacity (Net MWe): <u>1084</u></li> <li>8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:</li> </ol> | <p>Notes: Startup Testing is completed. Awaiting grant of the full power license from the NRC.</p> |
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|---|
| <ol style="list-style-type: none"> <li>1. Power Level To Which Restricted, If Any (Net MWe): <u>58.50</u></li> <li>1. Reasons For Restrictions, If Any: <u>Low power test permit granted by the Nuclear Regulatory Commission on April 13, 1984, effective April 19, 1984 at 1200 hours.</u></li> </ol> |
|---|

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	4194	4194
12. Number Of Hours Reactor Was Critical	330	378	378
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	0	0
15. Unit Reserve Shutdown Hours	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):			

- |   |                                     |
|---|-------------------------------------|
| 25. If Shut Down At End Of Report Period, Est. Date of Startup: | <u>JULY 1984</u>                    |
| 26. Units In Test Status (Prior to Commercial Operation):       | Forecast      Achieved              |
| INITIAL CRITICALITY   | April <u>1984</u> <u>April 1984</u> |
| INITIAL ELECTRICITY   | July <u>1984</u> _____              |
| COMMERCIAL OPERATION  | September <u>1984</u> _____         |

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-275
UNIT	Diablo Canyon Unit 1
DATE	06/08/84
COMPLETED BY	W.J. Kelly
TELEPHONE	(805)595-7351

MONTH May 1984

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		

## 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 I  
 DATE 05/04/84  
 COMPLETED BY W.J. KELLY  
 TELEPHONE (805)595-7351

REPORT MONTH MAY 1984

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
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NONE

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

PACIFIC GAS AND ELECTRIC COMPANY

PG&E +

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

R.C. THORBERRY  
PLANT MANAGER

June 8, 1984

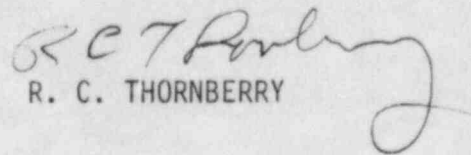
Office of Management Information  
and Program Control  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

RE: Docket No. 50-275  
License No. DPR-76  
Monthly Operating Report for May, 1984

Gentlemen:

Enclosed are the completed monthly operating report forms for Diablo Canyon Unit 1 for May 1984. This report is submitted in accordance with Section 6.9.1.10 of our Technical Specifications.

Sincerely,

  
R. C. THORBERRY

RCT:jhr

Enclosures

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

IE24  
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