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ACCESSION NBR: 9007200273 DOC. DATE: 90/06/30 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
 JOYCE, T.C. Pacific Gas & Electric Co.
 TOWNSEND, J.D. Pacific Gas & Electric Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for June 1990 for Diablo Canyon
Units 1 & 2. W/900716 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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	<u>REG FILE</u> 01		1	1	RGN5		1	1
EXTERNAL:	EG&G BRYCE, J.H		3	3	LPDR		1	1
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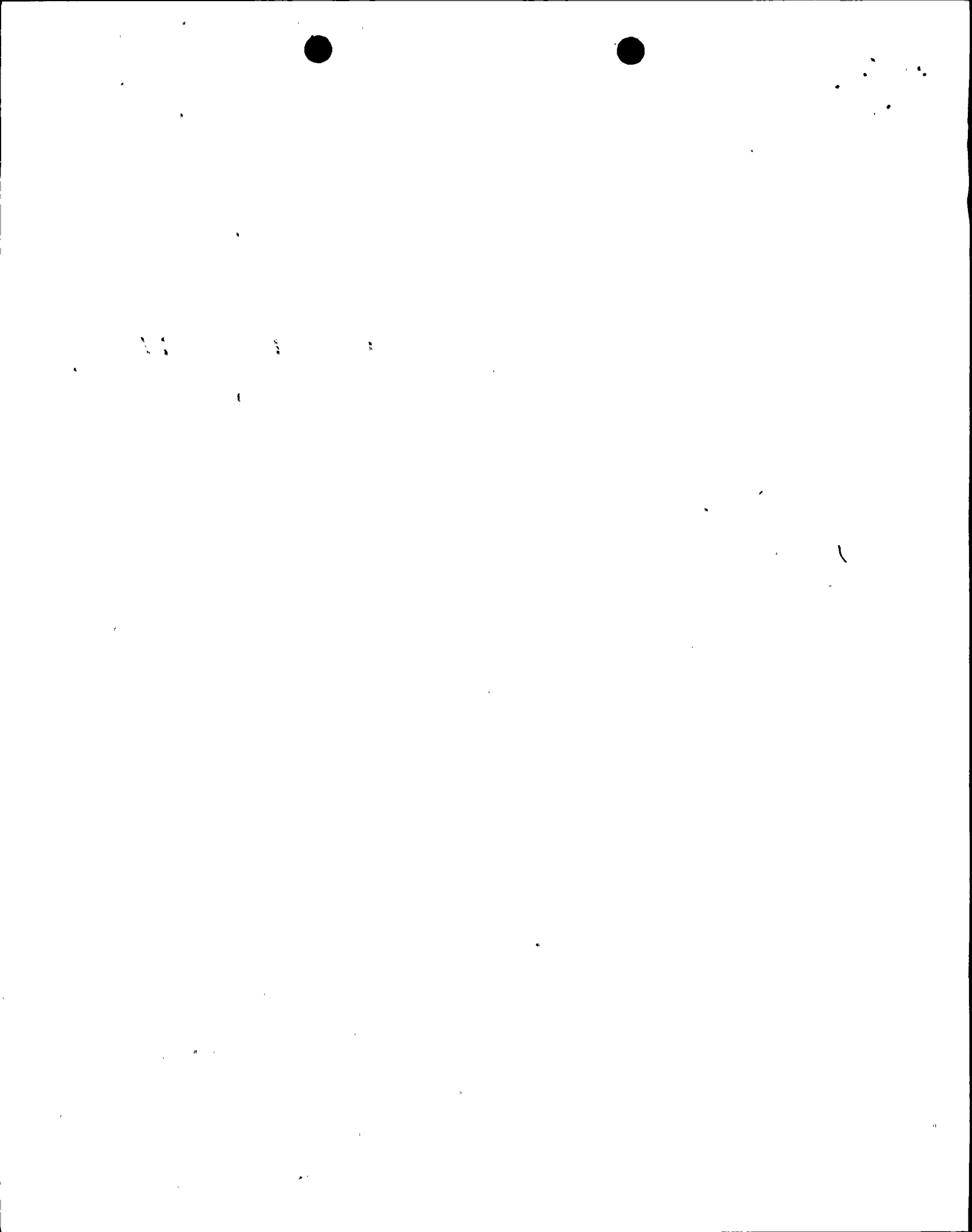
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Pacific Gas and Electric Company

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

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



July 16, 1990

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 June 1990

Gentlemen:

Enclosed are the completed monthly operating report forms for
Diablo Canyon Units 1 and 2 for June 1990. This report is
submitted in accordance with Section 6.9.1.7 of the Units 1 and 2
Technical Specifications.

Sincerely,

A. Mitchell for JDT

JDT:pgd

Enclosures

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

9007200273 900630
PDR ADOCK 05000275
R PDC



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Faint mark at the bottom right.

MONTHLY NARRATIVE REPORT
OF OPERATION
AND MAJOR MAINTENANCE EXPERIENCE

This report describes the operating and major maintenance experience for the month of June 1990. 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 June 1, 1990: Unit 1 and Unit 2 started the month at 100% power.
- On June 14, 1990: Unit 1, reactor trip due to Power Range Nuclear Instrumentation high positive rate trip signal due to load rejection.
- On June 19, 1990: Unit 1 entered Mode 1 (POWER OPERATION), paralleled to the grid, and increased power to 30%.
- On June 21, 1990: Unit 1 increased power to 50% and maintained this power level for secondary boron soak, feedwater pump repair, various maintenance work, and power ascension tests.
- On June 28, 1990: Unit 1 increased power to 100% .
- On June 30, 1990: Unit 1 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 81.6% and a unit capacity factor of 64.6%. Unit 1 reduced power once this month due to a reactor trip.

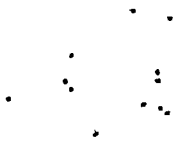
Unit 2 operated this month with a unit availability factor of 100.0% and a unit capacity factor of 101.0%. Unit 2 did not reduce power this month.

Summary of Significant Safety Related Maintenance

- o No significant safety related maintenance occurred for Unit 1.
- o No significant safety related maintenance occurred for 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 07/01/90
 COMPLETED BY T. C. Joyce
 TELEPHONE (805)595-4139

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 1
2. Reporting Period: June 1990
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:
None

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	<u>720.0</u>	<u>4343.0</u>	<u>45141.3</u>
12. Number Of Hours Reactor Was Critical	<u>642.6</u>	<u>4231.0</u>	<u>36843.8</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>587.8</u>	<u>4167.7</u>	<u>36100.4</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>1610387</u>	<u>13393469</u>	<u>111466796</u>
17. Gross Electrical Energy Generated(MWH)	<u>533100</u>	<u>4538000</u>	<u>37561432</u>
18. Net Electrical Energy Generated	<u>498935</u>	<u>4312476</u>	<u>35579039</u>
19. Unit Service Factor	<u>81.6</u>	<u>96.0</u>	<u>80.0</u>
20. Unit Availability Factor	<u>81.6</u>	<u>96.0</u>	<u>80.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>64.6</u>	<u>92.5</u>	<u>73.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>63.8</u>	<u>91.4</u>	<u>72.6</u>
23. Unit Forced Outage Rate	<u>18.4</u>	<u>4.0</u>	<u>4.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

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



OPERATING DATA REPORT

DOCKET NO. 50-323
 DATE 07/01/90
 COMPLETED BY T. C. Joyce
 TELEPHONE (805)595-4139

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 2
2. Reporting Period: June 1990
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>4343.0</u>	<u>37700.0</u>
12. Number Of Hours Reactor Was Critical	<u>720.0</u>	<u>3015.9</u>	<u>30259.0</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>2868.1</u>	<u>29516.0</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated	<u>2455880</u>	<u>9385945</u>	<u>95305899</u>
17. Gross Electrical Energy Generated	<u>826400</u>	<u>3145200</u>	<u>31770299</u>
18. Net Electrical Energy Generated	<u>790734</u>	<u>2984997</u>	<u>30095625</u>
19. Unit Service Factor	<u>100.0</u>	<u>66.0</u>	<u>78.3</u>
20. Unit Availability Factor	<u>100.0</u>	<u>66.0</u>	<u>78.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.0</u>	<u>63.2</u>	<u>73.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.1</u>	<u>61.4</u>	<u>71.3</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.7</u>	<u>6.7</u>
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



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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-275
 UNIT 1
 DATE 07/01/90
 COMPLETED BY T. C. JOYCE
 TELEPHONE (805) 595-4139

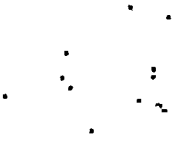
MONTH: JUNE 1990

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1081	17	-40
2	1085	18	-40
3	1077	19	-38
4	1081	20	168
5	1077	21	387
6	1081	22	456
7	1077	23	454
8	1077	24	454
9	966	25	454
10	862	26	553
11	1085	27	565
12	1081	28	930
13	1081	29	1059
14	704	30	1081
15	-32		
16	-39		

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 June 1990 = 1098 MWe-Net



2
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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-323
 UNIT 2
 DATE 07/01/90
 COMPLETED BY T. C. JOYCE
 TELEPHONE (805)595-4139

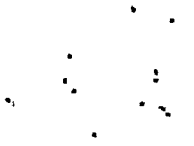
MONTH: JUNE 1990

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1105	17	1105
2	1101	18	1096
3	1101	19	1093
4	1100	20	1096
5	1096	21	1097
6	1104	22	1096
7	1101	23	1097
8	1096	24	1100
9	1101	25	1096
10	1097	26	1100
11	1096	27	1096
12	1105	28	1092
13	1099	29	1097
14	1093	30	1096
15	1105		
16	1092		

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 June 1990 = 1098 MWe-Net



UNIT SHUTDOWNS AND POWER REDUCTIONS

Page 1 of 3

DOCKET NO. 50-275
 UNIT NAME Diablo Canyon Unit 1
 DATE 07/01/90
 COMPLETED BY P.G. DAHAN
 TELEPHONE (805) 595-4054

REPORT MONTH JUNE 1990

No.	Date	1 Type	Duration (Hours)	2 Reason	3 Method of Shutdown	Licensee Event Report #	System 4 Code	Component 5 Code	Cause & Corrective Action to Prevent Recurrence
1	900614	F	132.2	A	1	1-90-005-00	JD	RCT	Unit 1 experienced a reactor trip on power range high positive rate. A load reject occurred due to an offsite disturbance caused by a brush fire under PG&E transmission lines remote from the plant. The turbine generator speed increased due to the load rejection. The increasing turbine speed increased the generator frequency which in turn increased the reactor coolant pump speed and flow. The higher reactor coolant system flow rates caused a decrease in the reactor coolant temperature in the upper core region. Due to a negative moderator temperature coefficient, the reactor power increased causing the trip. The cause of the event was mis-operation of a relay which caused the opening of the units output breaker. The mis-operating relay will be investigated and a memorandum will be sent to Power Control advising them of the

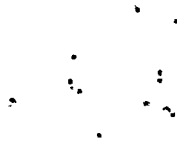
1
 Type:
 F-Forced
 S-Scheduled

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 2 of 3

DOCKET NO. 50-275
UNIT NAME Diablo Canyon Unit 1
DATE 07/01/90
COMPLETED BY P.G. DAHAN
TELEPHONE (805) 595-4054

REPORT MONTH JUNE 1990

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

conditions which may put DCPD in high risk of tripping if certain switchyard work is performed.

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 3 of 3

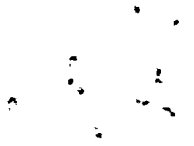
REPORT MONTH JUNE 1990

DOCKET NO. 50-323
 UNIT NAME Diablo Canyon Unit 2
 DATE 07/01/90
 COMPLETED BY P. Dahan
 TELEPHONE (805) 595-4054

No.	Date	1 Type	Duration (Hours)	2 Reason	3 Method of Shutdown	Licensee Event Report #	System 4 Code	Component 5 Code	Cause & Corrective Action to Prevent Recurrence
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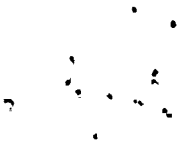
None

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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REFUELING INFORMATION REQUEST

1. Name of facility: Diablo Canyon Unit 1
2. Scheduled date for next refueling shutdown: February 1991 (estimated)
3. Scheduled date for restart following refueling: May 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 February 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) 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)



DATE: 06/01/90

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)

