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JOYCE,T.C. Pacific Gas & Electric Co.
TOWNSEND,J.D. Pacific Gas & Electric Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Sept 1990 for Diablo Canyon Units 1 & 2.W/901015 ltr.

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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

October 15, 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 September 1990

Gentlemen:

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

Sincerely,

JDT:jcn

Enclosures

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

971000

9010250279 900930
PDR ADOCK 05000275
R PNU

IE24
1/1

MONTHLY NARRATIVE REPORT
OF OPERATION
AND MAJOR MAINTENANCE EXPERIENCE

This report describes the operating and major maintenance experience for the month of September 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 September 1, 1990: Unit 1 and Unit 2 started the month at 100% power.

On September 28, 1990: Unit 1 ramped down to 50% power to clean the condenser.

On September 29, 1990: Unit 1 returned to 100% power.

On September 30, 1990: Unit 2 ramped down to 50% power to clean the condenser then returned to 100% power. 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 100.0% and a unit capacity factor of 98.3%. Unit 1 reduced power once this month for condenser cleaning.

Unit 2 operated this month with a unit availability factor of 100.0% and a unit capacity factor of 99.3%. Unit 2 reduced power once this month for condenser cleaning.

Summary of Significant Safety Related Maintenance

- No significant safety related maintenance occurred for Unit 1.
- No significant safety related maintenance occurred for Unit 2.

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

None.

OPERATING DATA REPORT

DOCKET NO. 50-275
DATE 10/01/90
COMPLETED BY T. C. Joyce
TELEPHONE (805)545-4139

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 1
2. Reporting Period: September 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: N/A

		This Month	Year to Date	Cumulative
11.	Hours in Reporting Period	720.0	6551.0	47349.3
12.	Number Of Hours Reactor Was Critical	720.0	6439.0	39051.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	720.0	6375.7	38308.4
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2379151	20575414	118648741
17.	Gross Electrical Energy Generated	797000	6953500	39976932
18.	Net Electrical Energy Generated	759436	6613602	37880165
19.	Unit Service Factor	100.0	97.3	80.9
20.	Unit Availability Factor	100.0	97.3	80.9
21.	Unit Capacity Factor (Using MDC Net)	98.3	94.1	74.5
22.	Unit Capacity Factor (Using DER Net)	97.1	93.0	73.7
23.	Unit Forced Outage Rate	0.0	2.7	3.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Refueling, February 1991, 60 days
25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

OPERATING DATA REPORT

DOCKET NO. 50-323
DATE 10/01/90
COMPLETED BY T. C. Joyce
TELEPHONE (805)545-4139

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 2
2. Reporting Period: September 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	720.0	6551.0	39908.0
12.	Number Of Hours Reactor Was Critical	720.0	5223.9	32467.0
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	720.0	5076.1	31724.0
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated	2437271	16696745	102616698
17.	Gross Electrical Energy Generated	812300	5575100	34200199
18.	Net Electrical Energy Generated	776736	5305811	32416439
19.	Unit Service Factor	100.0	77.5	79.5
20.	Unit Availability Factor	100.0	77.5	79.5
21.	Unit Capacity Factor (Using MDC Net)	99.3	74.5	74.9
22.	Unit Capacity Factor (Using DER Net)	96.4	62.4	72.6
23.	Unit Forced Outage Rate	0.0	0.4	6.3

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-275
UNIT 1
DATE 10/01/90
COMPLETED BY T. C. JOYCE
TELEPHONE (805)545-4139

MONTH: SEPTEMBER 1990

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1073	16	1064
2	1074	17	1068
3	1073	18	1064
4	1072	19	1063
5	1069	20	1069
6	1073	21	1064
7	1069	22	1060
8	1073	23	1056
9	1069	24	1064
10	1069	25	1052
11	1074	26	1056
12	1069	27	1056
13	1069	28	993
14	1069	29	789
15	1069	30	1063

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 Sept. 1990 = 1055 MWe-Net

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-323
UNIT 2
DATE 10/01/90
COMPLETED BY T. C. JOYCE
TELEPHONE (805)545-4139

MONTH: SEPTEMBER 1990

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1088	16	1092
2	1092	17	1088
3	1092	18	1088
4	1092	19	1088
5	1092	20	1088
6	1092	21	1088
7	1088	22	1088
8	1096	23	1084
9	1088	24	1084
10	1092	25	1079
11	1088	26	1080
12	1092	27	1076
13	1092	28	1080
14	1092	29	1080
15	1088	30	817

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 Sept. 1990 = 1079 MWe-Net

UNIT SHUTDOWNS AND POWER REDUCTIONS
Page 1 of 1

DOCKET NO. 50-275
UNIT NAME Diablo Canyon Unit 1
DATE 10/01/90
COMPLETED BY P.G. DAHAN
TELEPHONE (805) 545-4054

REPORT MONTH SEPTEMBER 1990

No.	Date	1 Type	Duration (Hours)	2 Reason	Method of 3 Shutdown	Licensee Event Report #	System 4 Code	Component 5 Code	Cause & Corrective Action to Prevent Recurrence
1.	900928	S	0	B	5	N/A	SL	P	Unit 1 ramped down to 50% power to clean the 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

UNIT SHUTDOWNS AND POWER REDUCTIONS
Page 1 of 1

DOCKET NO. 50-323
UNIT NAME Diablo Canyon Unit 2
DATE 10/01/90
COMPLETED BY P.G. DAHAN
TELEPHONE (805) 545-4054

REPORT MONTH SEPTEMBER 1990

No.	Date	1 Type	Duration (Hours)	2 Reason	Method of 3 Shutdown	Licensee Event Report #	System 4 Code	Component 5 Code	Cause & Corrective Action to Prevent Recurrence
1	900930	S	0	B	5	N/A	SL	P	Unit 2 ramped down to ~50% power to clean the condenser.

1	2	3	4
Type:	Reason:	Method:	Exhibit G - Instructions
F-Forced	A-Equipment Failure (Explain)	1-Manual	for Preparation of Data
S-Scheduled	B-Maintenance or Test	2-Manual Scram	Entry Sheets for Licensee
	C-Refueling	3-Automatic Scram	Event Report (LER) File
	D-Regulatory Restriction	4-Continuation from	(NUREG-1022)
	E-Operator Training & License Examination	previous month	
	F-Administrative	5-Power reduction	5
	G-Operational Error (Explain)	6,7,8-N/A	Exhibit I - Same Source
	H-Other (Explain)	9-Other	

DATE: 10/01/90

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: 10/01/90

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)