ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8901250204 DOC.DATE: ~~88/12/31~~ 89/01/13 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
BEDESEM,P. Pacific Gas & Electric Co.
NOLAN,J. Pacific Gas & Electric Co.
TOWNSEND,J.D. Pacific Gas & Electric Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Dec 1988 for Diablo Canyon Units 1 & 2.W/890113 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 11
TITLE: Monthly Operating Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	PD5 LA	1	0	PD5 PD	5	5
	ROOD,H	1	0			
INTERNAL:	ACRS	10	10	AEOD/DOA	1	1
	AEOD/DSP/TPAB	1	1	ARM TECH ADV	2	2
	NRR/DLPQ/PEB 11	1	1	NRR/DOEA/EAB 11	1	1
	NRR/DREP/RPB 10	1	1	NUDOCS-ABSTRACT	1	1
	REG FILE 01	1	1	RGN5	1	1
EXTERNAL:	EG&G SIMPSON,F	1	1	EG&G WILLIAMS,S	1	1
	LPDR	1	1	NRC PDR	1	1
	NSIC	1	1			

R I D S / A D D S

R I D S / A D D S

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 32 ENCL 30

M/R cc

Pacific Gas and Electric Company

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

January 13, 1989

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 December, 1988

Gentleman:

Enclosed are the completed monthly operating report forms for Diablo Canyon Units 1 and 2 for December, 1988. This report is submitted in accordance with Section 6.9.1.7 of the Units 1 and 2 Technical Specifications.

Sincerely,

John D. Townsend
Plant Manager

JDT:jn

Enclosures

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

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 December, 1988. 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 December 1, 1988 Unit 1 started the month at 100% power and Unit 2 started the month at 0% power.

On December 4, 1988 Unit 2 entered Mode 2 then reentered Mode 3 when an intermediate range startup rate channel became erratic.

On December 5, 1988 Unit 2 entered Mode 2.

On December 8, 1988 Unit 2 entered Mode 1 and paralled to the grid.

On December 9, 1988 Unit 2 entered Mode 2 for turbine over-speed trip testing then entered Mode 1 and paralled to the grid starting ramp to 100% power.

On December 17, 1988 Unit 1 ramped to 50% power for main condenser cleaning.

On December 18, 1988 Unit 1 returned to 100% power.

On December 20, 1988 Unit 2 ramped down to 70% power for investigation of Heater # 2 Drip Pump vibrations.

On December 22, 1988 Unit 1 ramped to 50% power for main condenser cleaning.

On December 23, 1988 Unit 1 returned to 100% power. Unit 2 returned 100% power.

On December 31, 1988 Unit 1 ended the month at 100% power 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 96.6%. Unit 1 reduced power to 50% twice this month for main condenser cleaning.

Unit 2 operated this month with a unit availability factor of 75.0% and a unit capacity factor of 55.4%. Unit 2 reduced power to 70% once this month for Heater # 2 Drip Pump maintenance.

8901250204 881231
PDR ADOCK 05000275
R PDC

IE24 1/1

Summary of Significant Safety Related Maintenance

Significant safety related maintenance for Unit 1 consisted of:

- Repair of Charging Pump 1-1 bearing oil leak.

No significant safety related maintenance occurred for Unit 2.

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

There were no challenges to the steam generator safety valves or the pressurizer power operated relief valves.

OPERATING DATA REPORT

DOCKET NO. 50-275
DATE 01/01/89
COMPLETED BY P.Bedesem
TELEPHONE (805)595-4097

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 1
2. Reporting Period: December 1988
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	744.0	8784.0	32038.3
12.	Number Of Hours Reactor Was Critical	744.0	5682.3	25423.7
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	744.0	5556.0	24863.7
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated	2404073	16574452	75538911
17.	Gross Electrical Energy Generated	811900	5582100	25432832
18.	Net Electrical Energy Generated	771555	5258060	24070092
19.	Unit Service Factor	100.0	63.3	77.6
20.	Unit Availability Factor	100.0	63.3	77.6
21.	Unit Capacity Factor (Using MDC Net)	96.6	55.8	70.0
22.	Unit Capacity Factor (Using DER Net)	95.5	55.1	69.2
23.	Unit Forced Outage Rate	0.0	2.4	4.4

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

OPERATING DATA REPORT

DOCKET NO. 50-323
DATE 01/01/89
COMPLETED BY P.Bedesem
TELEPHONE (805)595-4097

OPERATING STATUS

1. Unit Name: Diablo Canyon Unit 2
2. Reporting Period: December 1988
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	744.0	8784.0	24597.0
12.	Number Of Hours Reactor Was Critical	632.2	6190.7	19106.4
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	557.7	6088.7	18573.5
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated	1453954	19792700	59054685
17.	Gross Electrical Energy Generated	481600	6593600	19581299
18.	Net Electrical Energy Generated	447806	6232149	18495651
19.	Unit Service Factor	75.0	69.3	75.5
20.	Unit Availability Factor	75.0	69.3	75.5
21.	Unit Capacity Factor (Using MDC Net)	55.4	65.3	69.5
22.	Unit Capacity Factor (Using DER Net)	53.8	63.4	67.2
23.	Unit Forced Outage Rate	0.0	10.4	7.9

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 01/01/89
COMPLETED BY P.W. BEDESEM
TELEPHONE (805)595-4097

MONTH: DECEMBER 1988

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1075	16	1075
2	1064	17	956
3	1059	18	870
4	1077	19	1075
5	1080	20	1040
6	1076	21	1074
7	1076	22	983
8	1058	23	635
9	817	24	1083
10	1072	25	1080
11	1080	26	1076
12	1080	27	1083
13	1076	28	1076
14	1079	29	1080
15	1075	30	1080
		31	1038

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 DEC 88 = 1037 MWe-Net

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-323
UNIT 2
DATE 01/01/89
COMPLETED BY P.W.BEDESEM
TELEPHONE (805)595-4097

MONTH: DECEMBER 1988

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	-40	16	783
2	-36	17	793
3	-36	18	930
4	-36	19	1107
5	-36	20	1065
6	-36	21	702
7	-39	22	705
8	102	23	1032
9	69	24	1103
10	226	25	1090
11	243	26	1111
12	408	27	1112
13	473	28	1107
14	672	29	1104
15	768	30	1107
		31	1103

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 DEC 88 = 602 MWe-Net

UNIT SHUTDOWNS AND POWER REDUCTIONS
Page 1 of 1

REPORT MONTH DECEMBER 1988

DOCKET NO. 50-275
UNIT NAME Diablo Canyon Unit 1
DATE 01/01/89
COMPLETED BY J. Nolan
TELEPHONE (805)595-4509

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	12/17/88	S	0	B	5	N/A	SG	COND	Unit 1 power reduced to 50% to clean the main condenser.
2	12/22/88	S	0	B	5	N/A	SG	COND	Unit 1 power reduced to 50% to clean the main condenser.

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 1

REPORT MONTH DECEMBER 1988

DOCKET NO. 50-323
UNIT NAME Diablo Canyon Unit 2
DATE 01/01/89
COMPLETED BY J. Nolan
TELEPHONE (805)595-4509

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	12/01/88	S	186.3	C	4	N/A	N/A	N/A	N/A
2	12/20/88	S	0	B	5	N/A	KA	P	Power reduced to 70% for repairs to the Heater # 2 Drip Pump.

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

DATE:01/01/89

REFUELING INFORMATION REQUEST

1. Name of facility: Diablo Canyon Unit 1

2. Scheduled date for next refueling shutdown: October 1989 (estimated)

3. Scheduled date for restart following refueling: January 1990 (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?

   Yes, a license amendment request has been submitted to allow the use of Westinghouse "Vantage 5" fuel assemblies. This License Amendment Request (LAR 88-08) requires review and approval prior to placement of the third refueling fuel supply purchase order which is scheduled for May 1, 1989.

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

   PG&E submitted Technical Specification changes required to implement the Westinghouse "Vantage 5" fuel design in letter No. DCL-88-288 on December 29, 1988.

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:

   The Westinghouse "Vantage 5" fuel design is fully described in License Amendment Request (LAR) 88-08. NRC approval of this change is requested prior to May 1, 1989, to allow adequate time for implementation.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

   (a) 193 (b) 144

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 fullcore offload capability)

DATE: 01/01/89

REFUELING INFORMATION REQUEST

1. Name of facility: Diablo Canyon Unit 2

2. Scheduled date for next refueling shutdown: February 1990 (estimated)

3. Scheduled date for restart following refueling: May 1990 (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?

   Yes, a license amendment request has been submitted to allow the use of Westinghouse "Vantage 5" fuel assemblies. This License Amendment Request (LAR 88-08) requires review and approval prior to placement of the third refueling fuel supply purchase order which is scheduled for September 1, 1989.

5. Scheduled date(s) for submitting proposed licensing action and supporting information:

   PG&E submitted Technical Specification changes required to implement the Westinghouse "Vantage 5" fuel design in letter No. DCL-88-288 on December 29, 1988.

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:

   The Westinghouse "Vantage 5" fuel design is fully described in License Amendment Request (LAR) 88-08.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

   (a) 193 (b) 144

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 fullcore offload capability)