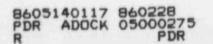
#### MONTHLY NARRATIVE REPORT OF OPERATION AND MAJOR MAINTENANCE EXPERIENCE

This report describes the operating and major maintenance experience for the month of February, 1986. 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.

On	February	1,	1986	Unit 1 reduced power to 44% due to kelp fouling of the intake traveling screens.
0n	February	2,	1986	Unit 1 returned to 98% power.
On	February	6,	1986	A significant event notification was made due to the inadvertent automatic actuation of an Engineered Safety Features System (Unit 2 Fuel Handling Building Ventilation System).
0n	February	15,	1986	Unit 1 reduced power to 45% to backflush the main condenser and inspect for leakage.
On	February	16,	1986	Unit 1 returned to 100% power.
On	February	19,	1986	Unit 2 was paralleled to the grid at 2335 PST thereby ending the strainer removal outage. Nine minutes later Unit 2 was separated from the grid to investigate a cracking sound coming from the potential transformer cabinets. The noise was apparently caused by arcing in a fuse drawer due to the drawer being only partially latched.
On	February	19,	1986	An Unusual Event was declared on Unit 1 due to an error in the determination of RWST boron concentration. Unit 1 power was reduced to 65% to comply with a Technical Specification Limiting Condition for Operation on boron concentration before the error was discovered.
0n	February	20,	1986	Unit 2 was paralleled to the grid.
On	February	20,	1986	Unit 1 returned to 100% power.
0n	February	21/	22, 1986	Unit 1 reduced power to 45% to plug leaking tubes in the main condenser.
0n	February	22,	1986	Unit 1 returned to 100% power.
0n	February	22,	1986	Unit 2 experienced a turbine trip and subsequent reactor trip.
On	February	25,	1986	Unit 2 paralleled to the grid.
0n	February	28,	1986	Unit 2 was removed from the grid to correct a turbine digital control system problem, then returned to the grid.

Unit 1 operated this month with a unit availability factor of 100% and a unit capacity factor of 91.7%. Tr24



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During the month of February, Unit 1 had to reduce power four times: due to kelp blocking the intake traveling screens; to backflush and inspect main condenser tubes; to plug leaking main condenser tubes; and in response to a Technical Specification Action statement entered due to a chemistry error in the analysis of a RWST sample.

The Unit 2 strainer removal outage ended February 19, 1986 at 2335 PST when the Unit was paralleled to the grid. Unit 2 separated from the grid three times after ending the strainer outage: to investigate and correct a noise heard in the metering potential transformer cabinets; as the result of a turbine trip; and to switch to a different electro-hydraulic control mode for the main turbine.

No challenges to the steam generator safety valves or pressurizer power operated relief valves have been made. No major safety-related maintenance was performed on Unit 1, or Unit 2 during the month of February, 1986.

DOCKET NO.	50-275
DATE	03/03/86
COMPLETED BY	Bob Kanick
TELEPHONE	(805)595-7351

### OPERATING STATUS

Reporting Period: February 1986 Licensed Thermal Power (MWt): 3338 Nameplate Rating (Gross MWe): 1137 Design Electrical Rating (Net MWe): 108 Maximum Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): If Changes Occur in Capacity Ratings (Item Give Reasons:	<u>1125</u> 1073	ough 7) Since	Last Report,
N/A			
Power Level To Which Restricted, If Any (M Reasons For Restrictions, If Any: <u>No</u>	Wet MWe):	N/A	
	This Month	Yr-to-Date	Cumulative
Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH)	672.0 672.0 0.0 672.0 0.0 2102251	1416.0 1416.0 0.0 1416.0 0.0 4526520	7150.3 6714.3 0.0 6623.3 0.0 21091970
Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net)	695000 661125 100.0 100.0 91.7	1494300 1421314 100.0 100.0 93.5	7008632 6655548 92.6 92.6 86.7
Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Ty	90.6 0.0	92.4 0.0 Duration of Fa	85.7 7.4
Refueling Outage, August 30, 1986, 68 o		Duración or La	cny.

If Shut Down At End Of Report Period, Est. Date of Start-up:
 Units In Test Status (Prior to Commercial Operation):

N/A

\* As of commercial operation on 5-7-85 at 0243.

DOCKET NO.	50-323
DATE	03/03/86
OMPLETED BY	Bob Kanick
TELEPHONE	(805)595-7351

# OPERATING STATUS

N/A		Jugn /) Since L	.ast Report
Power Level To Which Restricted, If Any Reasons For Restrictions, If Any:	(Net MWe): None	N/A	
	This Month	Yr-to-Date	Cumulat
Hours In Reporting Period	672.0	1416.0	729
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours	194.5	439.3	231
Hours Generator On-Line Unit Reserve Shutdown Hours	134.3	349.3	156
Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH)	229168 66200	786924 242800	290811
Net Electrical Energy Generated (MWH)	48034	209537	87560 69572
Unit Service Factor Unit Availability Factor	N/A** N/A**		
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net)	N/A** N/A**		
Unit Forced Outage Rate	N/A**		
Shutdowns Scheduled Over Next 6 Months (	Type, Date, and D	Juration of Eac	:h):
N/A		10.00	
If Shut Down At End Of Report Period, Es		-up: N/A	
Units In Test Status (Prior to Commercia	1 Operation):	Forecast	Achieved
INITIAL CRITICALITY INITIAL ELECTRICITY	-	July 1985	August 1
COMMERCIAL OPERATION		ctober 1985 March 1986	October 1

\*\* 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	03/03/86
COMPLETED BY	Bob Kanick
TELEPHONE	(805)595-7351

### MONTH February 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	489	17	1053
2	817	18	1053
3	1036	19	1043
4	1049	20	1000
5	1061	21	798
6	1061	22	874
7	1066	23	1078
8	1061	24	1057
9	1053	25	1067
10	1062	26	1083
11	1070	27	1083
12	1062	28	1076
13	1062		
14	1058		
15	856		
16	421		

### 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	03/03/86
COMPLETED BY	Bob Kanick
TELEPHONE	(805)595-7351

# MONTH February 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-6	17	-39
2	-5	18	-38
3	-6	19	-38
4	-6	20	180
5	-6	21	405
6	-7	22	572
7	-7	23	-38
8	-15	24	-39
9	-15	25	-39
10	-15	26	319
11	-16	27	554
12	-16	28	446
13	-20		States - the second second
14	-27		
15	-42		
16	-36		

### 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 PAGE 1 OF 1 REPORT MONTH FEBRUARY 1986	DOCKET NO. UNIT NAME DATE COMPLETED BY TELEPHONE	03/04/86 D.P. SISK
No. Date Type <sup>1</sup> Duration No. Date Type <sup>1</sup> (Hours) Reason	Method of Licensee System Shutdown <sup>3</sup> Report # Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence

1		2	3	4
F: S:	Forced Scheduled	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)	Method: 1-Manual 2-Manual Scram 3-Automatic Scram 4-Continuation from previous month 5-Power reduction 6,7,8-N/A 9-Other	Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-1022) 5 Exhibit I - Same Source

	R					UNIT SHUTDOWNS PAGE 1 OF 1 EPORT MONTH FEBRUARY 1986			OCKET NO. UNIT NAME DATE PLETED BY TELEPHONE	50-323 Diablo Canyon Unit 2 03/04/86 D.P. SISK (805)595-7351
No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutdown <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>		Cause & Corrective Action to Prevent Recurrence
1	02/01/86	S	479.6	В	4	NA	NA	NA	Strainer	Removal Outage
2	02/19/86	F	1.8	Н	1	NA	ΝA	NA	grid, the the syste heard in transform was found drawer wa	ates after paralleling to the e generator was separated from em when a cracking sound was the metering potential mer cabinets. A fuse drawer d to be not fully latched. The as latched and the unit was ed to the grid with no further
3	02/22/86	F	53.8	A	3	2-86-005	ΤL	RG	generator a turbine trip. Th	e transient on the main r voltage regulator resulted in e trip and subsequent reactor ne cause of the voltage t is being investigated.
4	02/28/86	F	2.5	A	1	NA	33	NA	correct a problem. different	as removed from the grid to a turbine digital control The unit was switched to a t electro-hydraulic control returned to the grid.
1 F: S:	Forced Schedule		Reason: A-Equipmen B-Maintena C-Refuelin D-Regulato E-Operator F-Administ	ry Restrict Training 8 rative nal Error (	ion License Exar	nination	3-Autor 4-Cont prev	al al Scram matic Scra inuation f ious month r reductio N/A	for Ent m Eve rom (NU n 5	nibit G - Instructions r Preparation of Data try Sheets for Licensee ent Report (LER) File JREG-1022)

# PACIFIC GAS AND ELECTRIC COMPANY



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

R.C. THORNBERRY

March 10, 1986

Director, Office of Resource Management U.S. Nuclear Regulatory Commission Washington, DC 20555

RE: Docket No. 50-275 and 50-323 License No. DPR-80 and DPR-82 Monthly Operating Report for February, 1986

Gentlemen:

Enclosed are the completed monthly operating report forms for Diablo Canyon Units 1 and 2 for February, 1986. This report is submitted in accordance with Section 6.9.1.7 of the Units 1 and 2 Technical Specifications.

Sincerely,

R CT Rol

ROBERT C. THORNBERRY

RCT: lah

Enclosures

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