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EXTERNAL: EG&G SIMPSON, F

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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

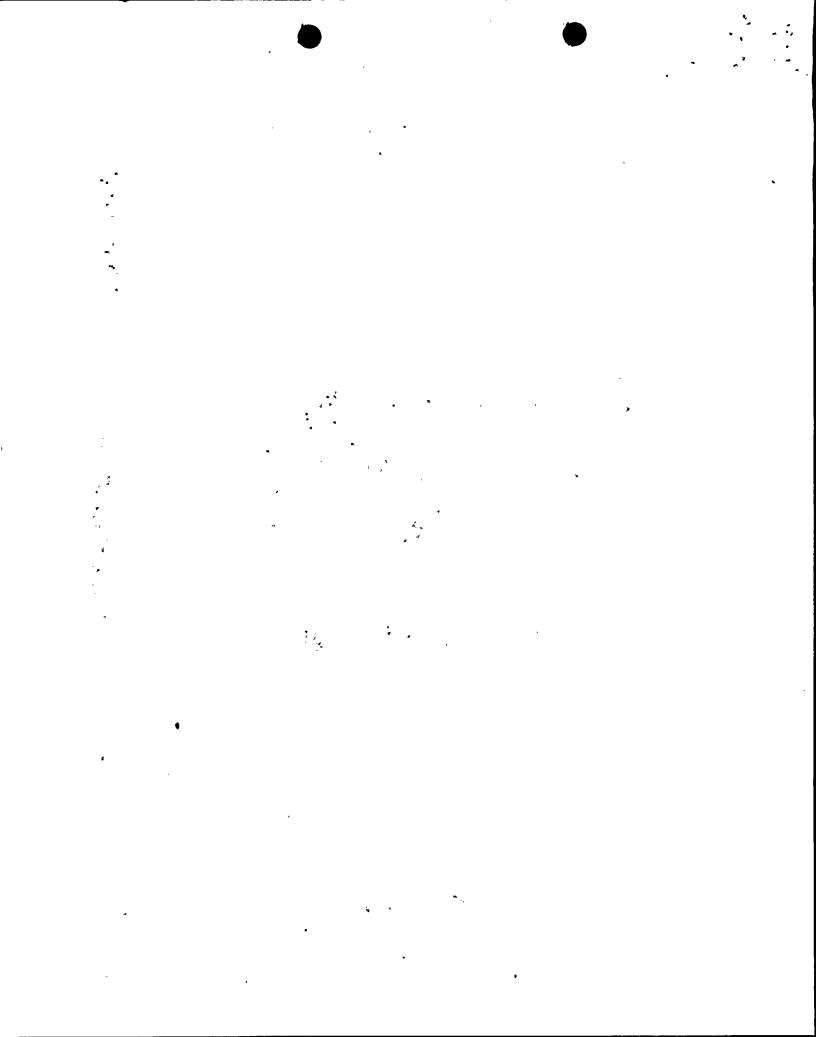
Plant Manager

JDT:jn

Enclosures

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

IET |



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.

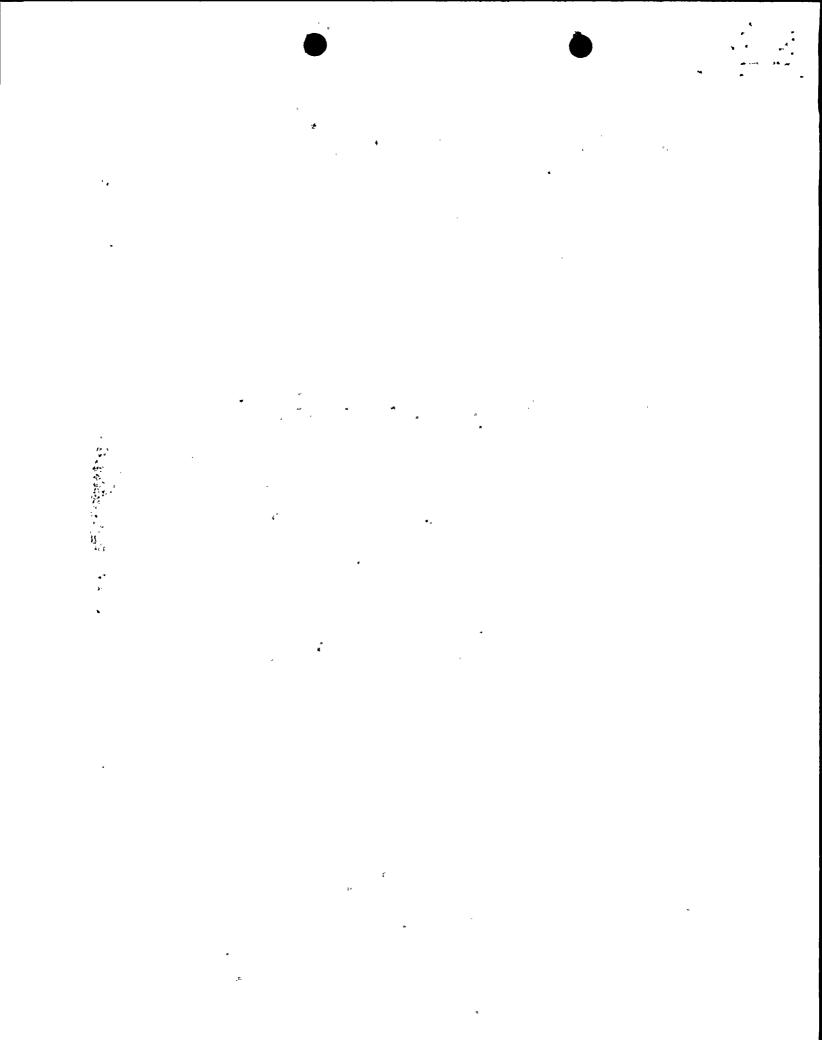
<u>Summary of Plant Operating Characteristics, Power</u> Reductions and Unit Shutdowns

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.

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Summary of Significant Safety Related Maintenance

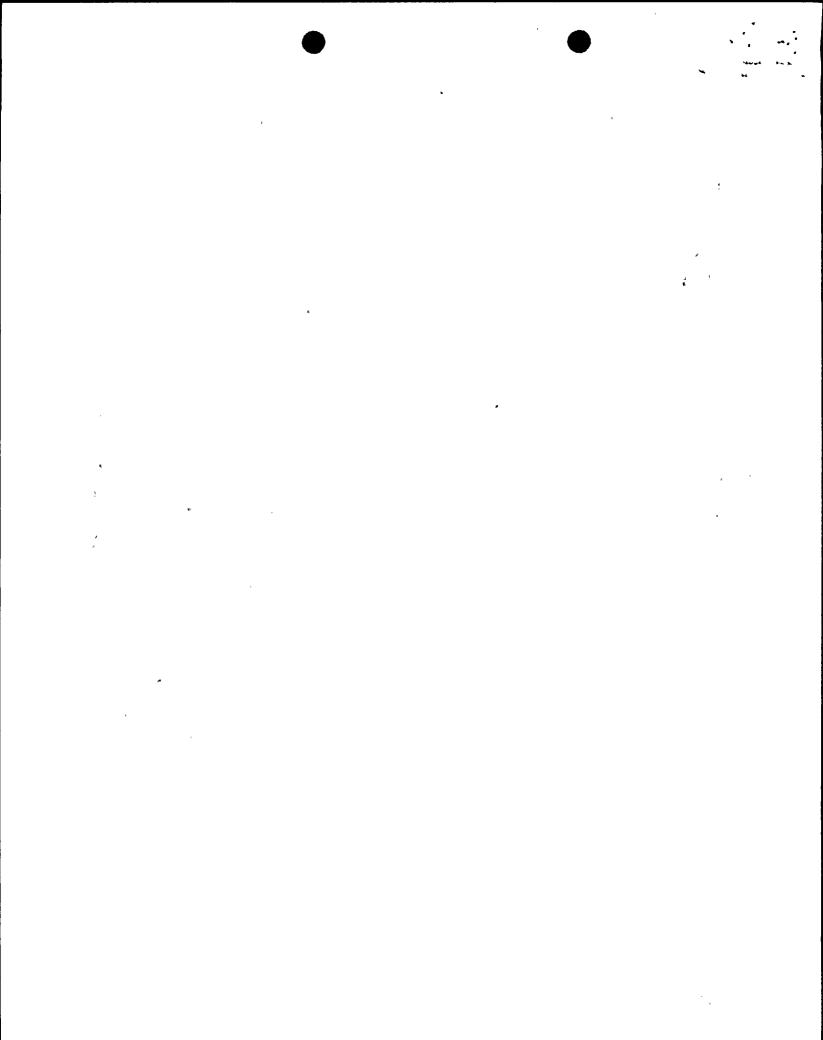
Significant safety related maintenance for Unit 1 consisted of:

o 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

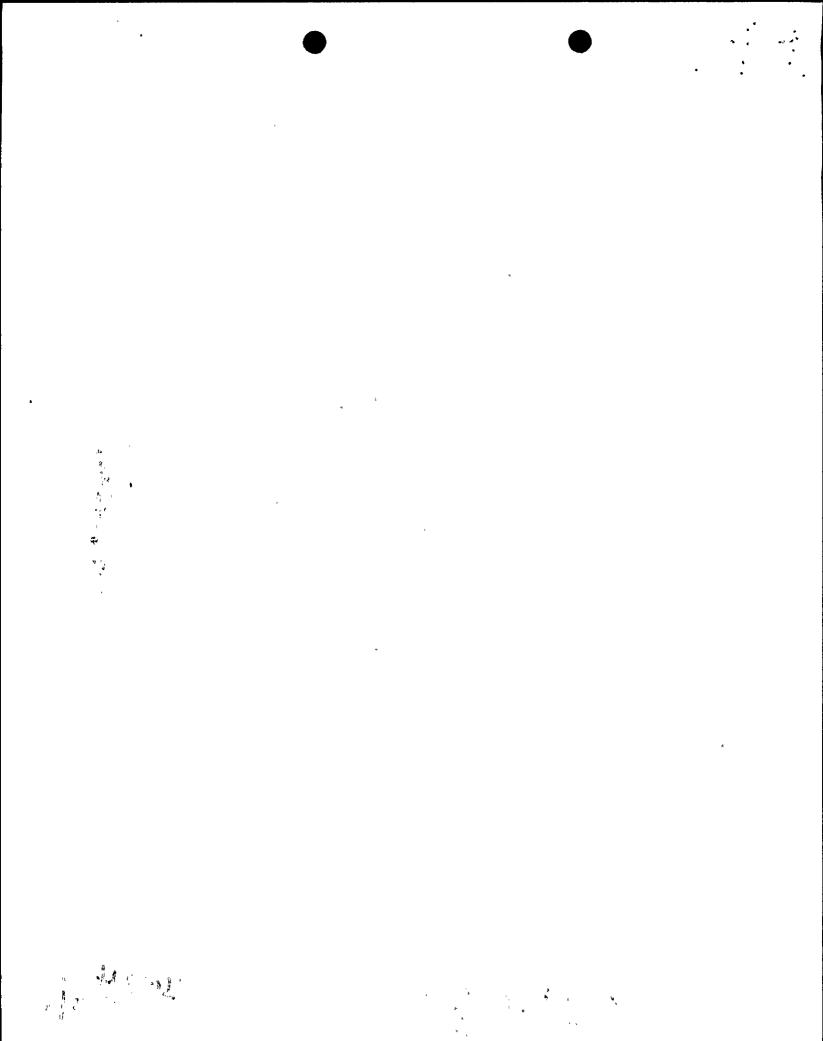
DATE 01/01/89

COMPLETED BY P.Bedesem

TELEPHONE (805)595-4097

OPERATING STATUS

1.	Unit Name:			
2.	Reporting Period: Dec	ember 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 MW	le): <u>1124</u>		
7.	Maximum Dependable Capacity (Net MWe)			
8.	If changes occur in capacity ratings	(Items Numbe	r 3 through 7)	since last
	report, give reasons:			
	N/A			
		 		
_		4		
9.	Power Level To Which Restricted, If A	ny (Net MWe)	: <u>N/A</u>	
10.	Reasons For Restrictions, If Any: N	/A		
		This Nameh	Vanue ta Data	C
11	Usung in Donouting Davied	This Month	Year to Date	
11. 12.	Hours in Reporting Period	744.0	8784.0	32038.3
13.	Number Of Hours Reactor Was Critical	744.0	5682.3	25423.7
14.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
15.	Hours Generator On-Line	744.0	5556.0	
16.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
17.	Gross Thermal Energy Generated	2404073	16574452	
18.	Gross Electrical Energy Generated	811900	5582100	25432832
19.	Net Electrical Energy Generated Unit Service Factor	771555	5258060	24070092
20.		100.0	63.3	77.6
21.	Unit Availability Factor	100.0	63.3	77.6
22.	Unit Capacity Factor (Using MDC Net)	96.6	55.8	70.0
23.	Unit Capacity Factor (Using DER Net)	95.5	55.1	69.2
24.	Unit Forced Outage Rate	0.0	2.4	4.4
44.	Shutdowns Scheduled Over Next 6 Month	s (Type, Dat	e, and buratio	n or Each)
	None			
	HORE	····		
25.	If Shut Down At End Of Report Period,	Estimated D	ate of Startun	: N/A
_••			ass or sourcup	·



OPERATING DATA REPORT

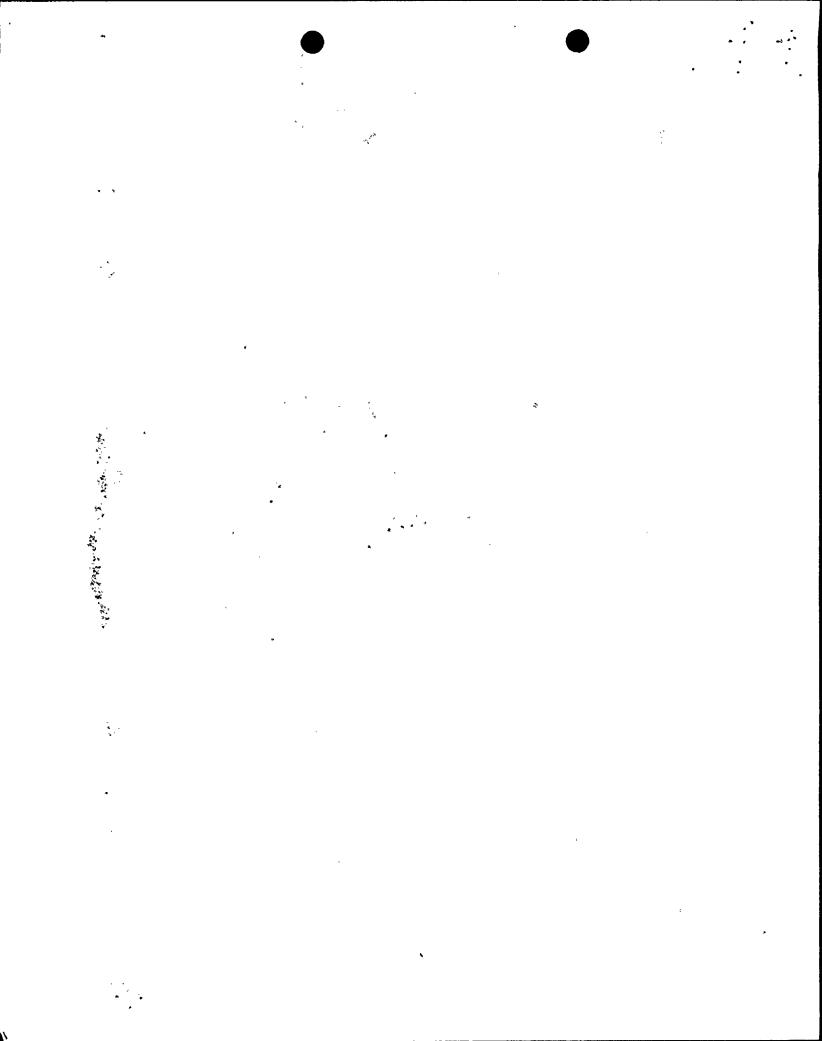
DOCKET NO. 50-323

DATE 01/01/89

COMPLETED BY P.Bedesem (805)595-4097

OPERATING STATUS

1. 2. 3. 4. 5. 6. 7.	Reporting Period: Dec Licensed Thermal Power (MWt): Nameplate Rating (Gross MWe): Design Electrical Rating (Net MWe): Maximum Dependable Capacity (Gross MW Maximum Dependable Capacity (Net MWe)	: 1087		
8.	If changes occur in capacity ratings report, give reasons:	(Items Numbe	r 3 through 7)	since last
	N/A			
9.	Power Level To Which Restricted, If A	nv (Net MWe)	: N/A	
10.	*	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. 17.	Gross Thermal Energy Generated Gross Electrical Energy Generated	1453954 481600	19792700 6593600	59054685 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 Month	s (Type, Dat	e, and Duratio	n of Each)
	None None			
25.	If Shut Down At End Of Report Period,	Estimated D	ate of Startup	: <u>N/A</u>



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

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-323 UNIT 2 DATE 01/01/89 COMPLETED BY P.W.BEDESEM (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

1

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UNIT SHUTDOWNS AND POWER REDUCTIONS Page 1 of 1

| DOCKET NO. | S0-275 | | Diablo Canyon Unit 1 | | O1/01/89 | | COMPLETED BY | TELEPHONE | (805)595-4509 |

REPORT MONTH DECEMBER 1988

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	12/17/8	8 S	0	В	5	N/A	SG	COND	Unit 1 power reduced to 50% to clean the main condenser.
2	12/22/8	8 S	0	В	5	N/A	SG	COND	Unit 1 power reduced to 50% to clean the main condenser.

3	^		
1	2	3	4
F: Forced	Reason:	Method	Exhibit G - Instructions
S: Scheduled	A-Equipment Failure (Explain)	1-Manual	for Preparation of Data
	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	





UNIT SHUTDOWNS AND POWER REDUCTIONS Page 1 of 1

DOCKET NO. UNIT NAME Diablo Canyon Unit 2

DATE 01/01/89

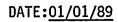
COMPLETED BY J. Nolan
TELEPHONE (805)595-4509

REPORT MONTH DECEMBER 1988

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	С	4	N/A	N/A	N/A	N/A
2	12/20/88	S	. 0	В	5	N/A	KA	Р	Power reduced to 70% for repairs to the Heater # 2 Drip Pump.

1	2	3	4
F: Forced	Reason:	Method	Exhibit G - Instructions
S: Scheduled	A-Equipment Failure (Explain)	1-Manual	for Preparation of Data
	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	

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REFUELING INFORMATION REQUEST

1.	Name of facility: <u>Diable Canyon Unit 1</u>
2.	Scheduled date for next refueling shutdown: October 1989 (estimated)
3.	Scheduled date for restart following refueling: <u>January 1990 (estimated)</u>
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.
	15 Schedured For Flag 15 1505.
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.
	on beceniber 15, 1500.
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) <u>193</u> (b) <u>144</u>
,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)

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DATE: <u>01/01/89</u>

REFUELING INFORMATION REQUEST

Ι.	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.
	12 Schednied for Sebremmer 1, 1303.
5.	Scheduled date(s) for submitting proposed licensing action and supporting information:
	PG&E submitted Technical Specification changes required to
٠	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.
	License Amendment Request (LAK) 00-00.
7.	The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:
	(a) <u>193</u> (b) <u>144</u>
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: (Loss of fullcore offload capability)

