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

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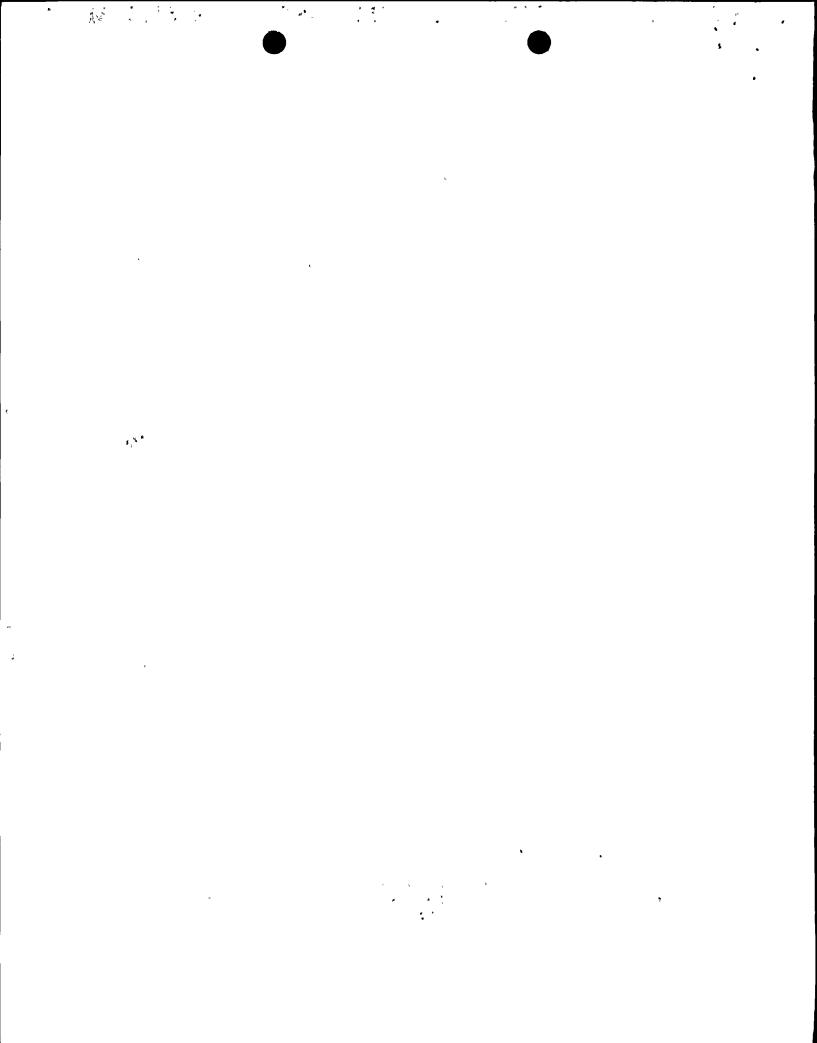
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Pacific Gas and Electric Company

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



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,

0D∦:jcn

Enclosures

Mr. John B. Martin, Regional Administrator. CC

Region V - USNRC

971900

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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.

<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 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

- 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

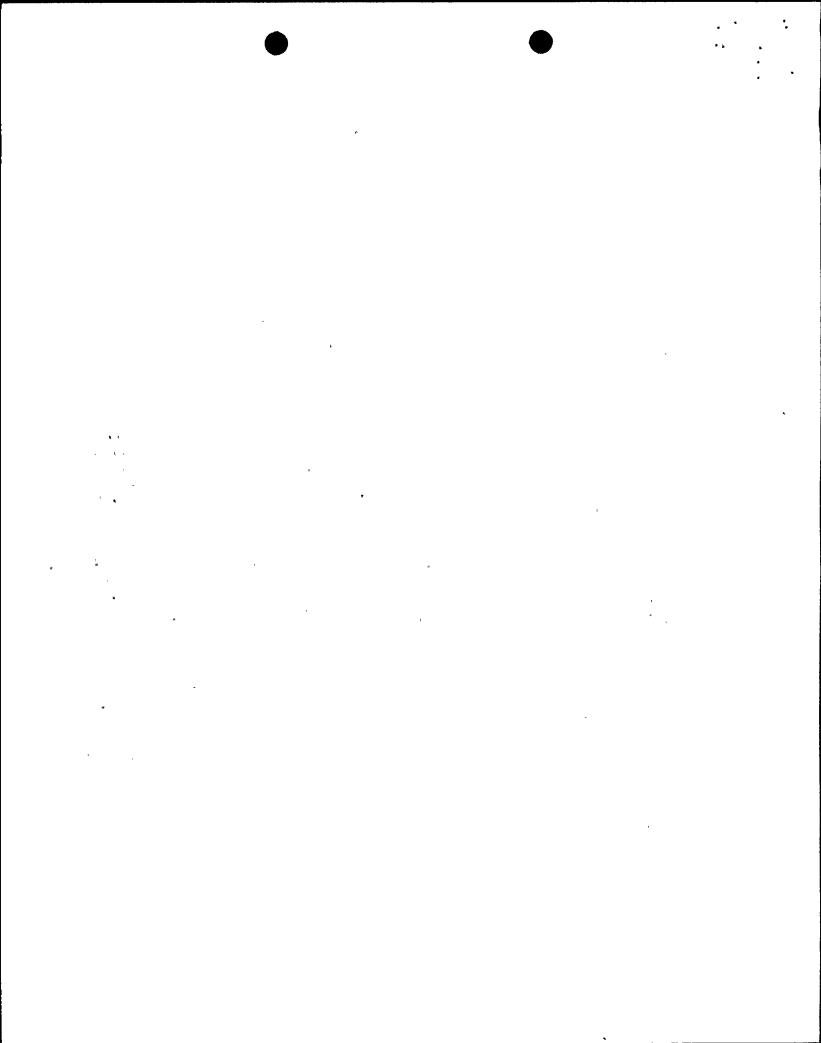
DOCKET NO. 50-275

DATE 10/01/90

COMPLETED BY T. C. Joyce (805)545-4139

OPERATING STATUS

1.	Unit Name: Diablo Can	yon Unit 1		
2.		ember 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 MW	le): 1124		
7.	Maximum Dependable Capacity (Net MWe)	$1\overline{073.4}$		
8.	If changes occur in capacity ratings	(Items Numbe	r 3 through 7)	since last
	report, give reasons:	•	,	
	N/A			
_		/ · · · · · · · · · · · · · · · · · · ·		
9.	Power Level To Which Restricted, If A		: <u>N/A</u>	
10.	Reasons For Restrictions, If Any: N	/A		
		This Month	Year to Date	Cumulative
11.	House in Poponting Powied			
12.	Hours in Reporting Period Number Of Hours Reactor Was Critical	720.0	6551.0	47349.3
13.	Reactor Reserve Shutdown Hours	720.0	6439.0	39051.8
14.		720.0	0.0	0.0
	Hours Generator On-Line		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 97.3	80.9
20.	Unit Availability Factor	100.0		80.9
	Unit Capacity Factor (Using MDC Net)	98.3	94.1	74.5
22. 23.	Unit Capacity Factor (Using DER Net)	97.1	93.0	73.7
	Unit Forced Outage Rate	0.0	2.7	3.8
24.	Shutdowns Scheduled Over Next 6 Month	s (Type, Dat	e, and puration	n or Each):
	Refueling, February 1991, 60	days		
		<u>*</u>		
25.	If Shut Down At End Of Report Period,	Estimated D	ate of Startup	<u> </u>



OPERATING DATA REPORT

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

OPERATING STATUS

1. 2. 3. 4. 5. 6. 7. 8.		: 1087	r 3 through 7)	since last
9.	Power Level To Which Restricted, If A	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 Month			n of Each)
	None.			
25.	If Shut Down At End Of Report Period,	Estimated Da	ate of Startup:	: N/A

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-275
UNIT 1
DATE 10/01/90
TELEPHONE (805)545-4139

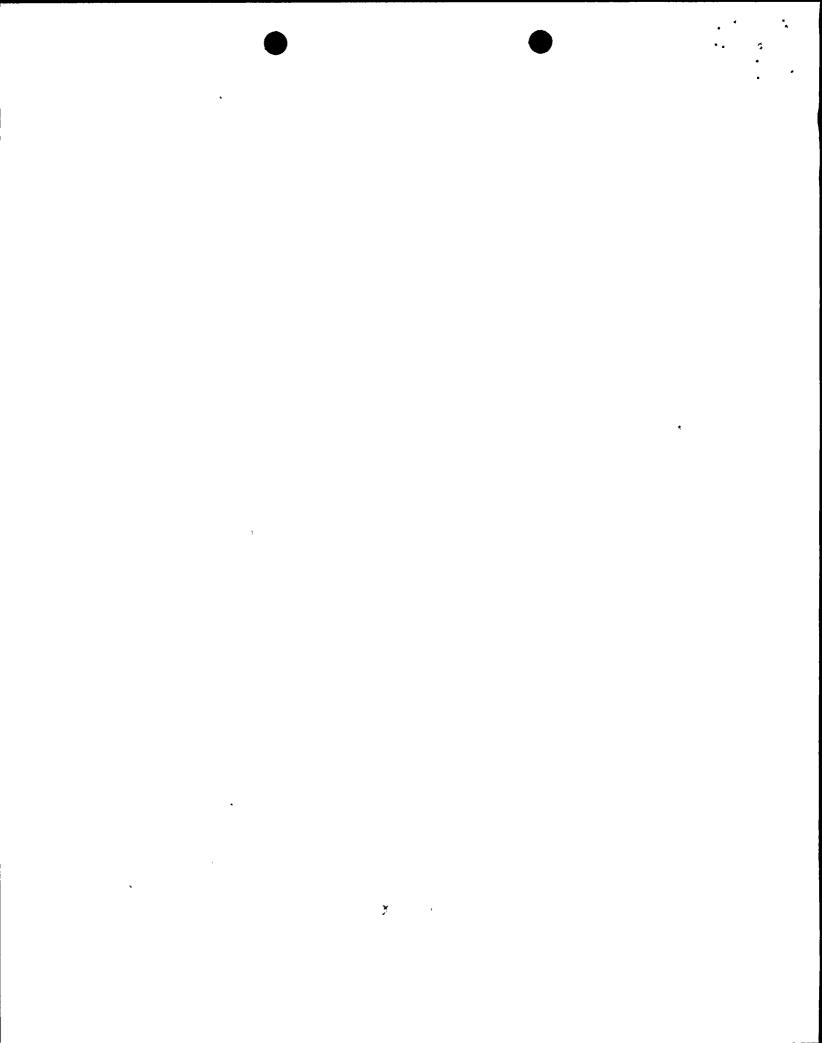
MONTH: SEPTEMBER 1990

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 = $\underline{1055 \text{ MWe-Net}}$



AVERAGE DAILY UNIT POWER LEVEL

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

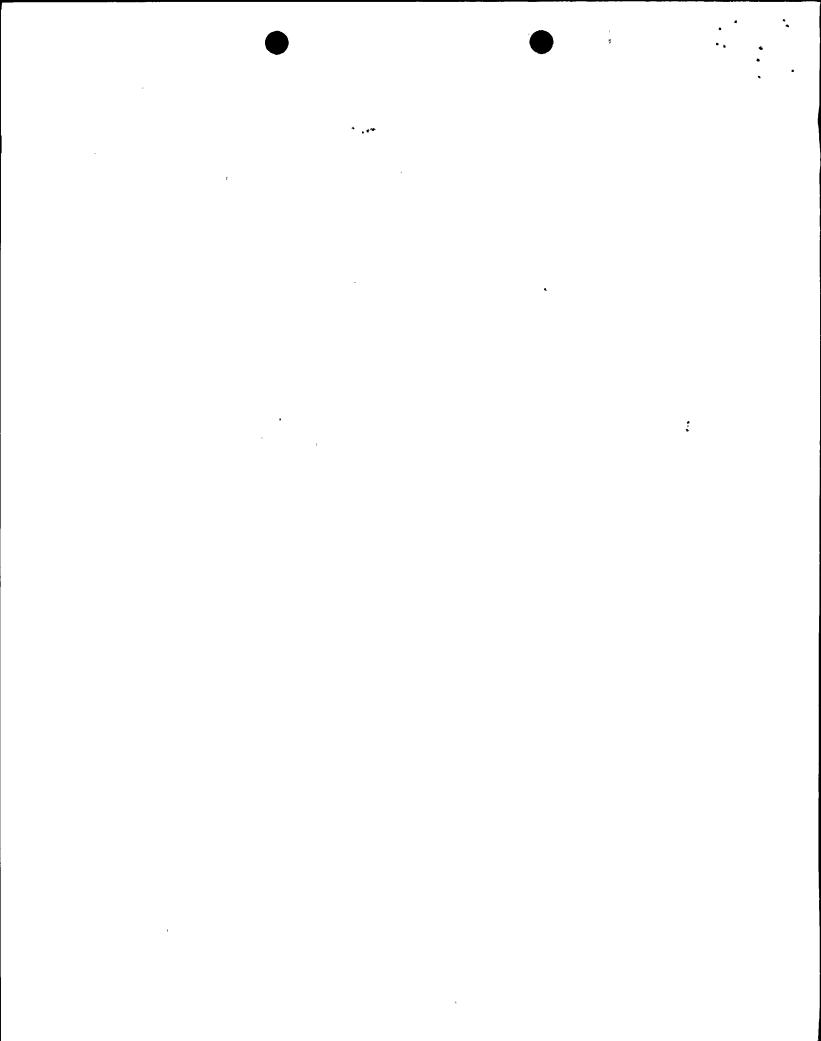
MONTH: SEPTEMBER 1990

DAY	AVERAGE DAILY	POWER LEVEL	DAY	AVERAGE D	AILY I	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 = $\underline{1079}$ MWe-Net



UNIT SHUTDOWNS AND POWER REDUCTIONS Page 1 of 1

DOCKET NO. UNIT NAME Diablo Canyon Unit 1

DATE 10/01/90

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



UNIT SHUTDOWNS AND POWER REDUCTIONS Page 1 of 1

DOCKET NO. UNIT NAME Diablo Canyon Unit 2

DATE 10/01/90

COMPLETED BY TELEPHONE (805) 545-4054

REPORT MONTH SEPTEMBER 1990

No. D	ate	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 9	00930	S	0	В	5	N/A	SL	Р	Unit 2 ramped down to ~50% power to clean the condenser.

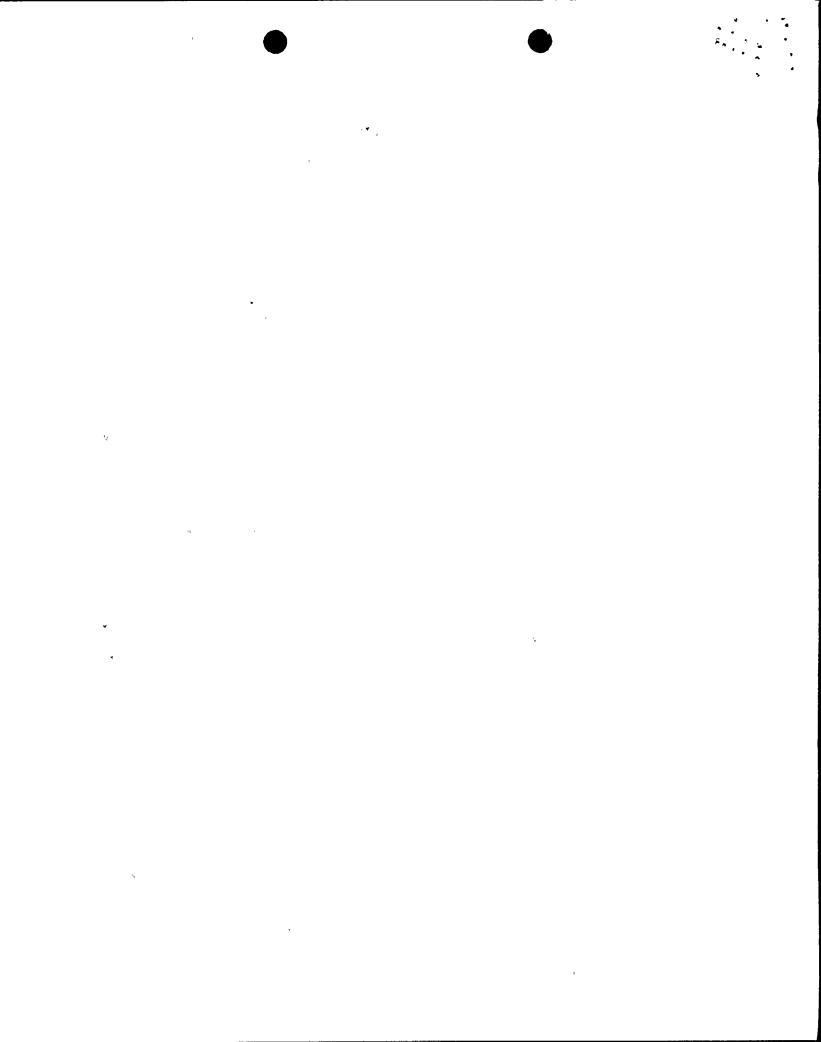
1	2	3	4
Type:	Reason:	Method:	Exhibit G - Instructions
F-Forced	A-Equipment Failure (Explain)	1-Manual	for Preparation of Data
S-Scheduled	B-Maintenance or Test	2-Manual Scram	Entry Sheets for Licensee
	C-Refueling	3-Automatic Scram	Event Report (LER) File
	D-Regulatory Restriction E-Operator Training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

e say • • *

DATE: <u>10/01/90</u>

REFUELING INFORMATION REQUEST

1.	ndille of factifity: 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) <u>193</u> (b) <u>200</u>
3.	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
).	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: <u>10/01/90</u>

REFUELING INFORMATION REQUEST

1.	Name of facility: Ulablo 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) <u>193</u> (b) <u>224</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
	Thesent 1324 Increase 512e by 0
9.	The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:

