



**Pacific Gas and  
Electric Company**

**David H. Oatley**  
Vice President  
Diablo Canyon Operations

Diablo Canyon Power Plant  
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April 20, 2001

PG&E Letter DCL-2001-530

Mr. Roger W. Briggs, Executive Officer  
California Regional Water Quality Control Board  
Central Coast Region  
81 Higuera Street, Suite 200  
San Luis Obispo, CA 93401-5414

Dear Mr. Briggs:

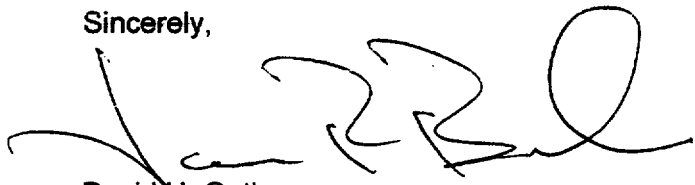
Discharge Monitoring and Reporting Program  
Diablo Canyon Power Plant -- NPDES No. CA0003751

In accordance with Order 90-09, NPDES No. CA0003751, enclosed is the First Quarter 2001 Report on Discharge Monitoring at Diablo Canyon Power Plant (Enclosure 1).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. The results of the influent and effluent monitoring presented are the observed results of the measurements and analyses required by the monitoring program, and is neither an assertion of the adequacy of any instrument reading or analytical result, nor an endorsement of the appropriateness of any analytical or measurement procedure. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Drew Squyres at (805) 545 - 4439.

Sincerely,

 For DHO  
David H. Oatley

2001530/JLK/kmo

IE25

PG&E Letter DCL-2001-530

Mr. Briggs

April 20, 2001

Page 2

Cc : Michael Thomas, CCRWQCB  
81 Higuera Street, Suite 200  
San Luis Obispo, CA 93401

Debra Johnston  
California Department of Fish and Game  
20 Lower Ragsdale, Suite 100  
Monterey, California 93490

Regional Administrator, Region 9  
U. S. Environmental Protection Agency  
75 Hawthorne Street  
San Francisco, CA 94105  
Attention: Carey Houk (W-5-3)

Resident Inspector , David Proulx  
U.S. Nuclear Regulatory Commission  
Diablo Canyon Power Plant 104/5

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Dr., Suite 400  
Arlington, TX 76011-8064

Director, Division of Reactor Projects  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Dr., Suite 400  
Arlington, TX 76011-8064

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Enclosure

ENCLOSURE 1

**FIRST QUARTER 2001**

**REPORT ON DISCHARGE MONITORING AT  
DIABLO CANYON POWER PLANT**

**PACIFIC GAS AND ELECTRIC COMPANY**  
**NUCLEAR POWER GENERATION**

**First Quarter 2001**

**REPORT ON**  
**DISCHARGE MONITORING AT**  
**DIABLO CANYON POWER PLANT**

**(NPDES No. CA0003751)**

PACIFIC GAS AND ELECTRIC COMPANY

First Quarter 2001

REPORT ON DISCHARGE MONITORING AT  
DIABLO CANYON POWER PLANT

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## **OVERVIEW**

3. During the first quarter of 2001, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001F, 001G, 001H, 001L, 001M, 001N, 001P, and 002, 003, 004 and 005 through 016. No discharges occurred from Discharge Paths 001E, 001I, 001J, 001K, and 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1**.
4. The substances listed in Table B of the 1990 California Ocean Plan were each analyzed for and reported in the permit renewal application for Diablo Canyon submitted in 1994. There have been no changes in the activities conducted at the plant that would have significantly affected the results previously reported in the 1994 renewal application. California Ocean Plan Table B substances that were not analyzed for this quarter were not added to the discharge stream.
5. On January 17, 2001 the Unit 1 discharge chlorine monitor developed flow restrictions. Ocean debris prevented enough water flow to provide accurate readings for two injections (0800 and 1200 injections). Upon discovery, the lines were flushed, the monitor was serviced and an engineering evaluation was completed to ensure that NPDES limits were not exceeded. Just prior to the flow restriction discharge readings were 32 ppb. After flushing the lines and servicing the monitor readings were 43 ppb. There were no changes in injection rates and no observed changes in chemical demand (based on waterbox monitor data) during the event. The two missed readings were estimated to be 43 ppb and were below the discharge limit of 89ppb (with four circulating water pumps operating).

## **SUMMARY OF MONITORING PROGRAM**

### **A. Monitoring of Plant Influent and Effluent**

1. The results of the January, February, and March 2001 plant influent and effluent monitoring are reported on Discharge Self Monitoring Report (DSMR) forms in **Appendices 2, 3, and 4**, respectively. Additional laboratory results are included behind the DSMR forms to ensure that all analytical data are reported. The additional data are used to develop the "daily average" values reported on the DSMR forms when more than one analysis was performed in a given day (e.g., for Total Residual Chlorine (TRC), an average value is reported on the DSMR form).
2. Results from one acute bioassay on water sampled from Discharge 001, performed January 31 to February 4, 2001, are included in **Appendix 5**. The acute toxicity test results show that toxicity was 0.00 (no mortality).
3. Results from one chronic bioassay on water sampled from Discharge 001, performed February 15 - 17, 2001, are included in **Appendix 6**. Test results show that chronic toxicity was 3.13 (NOEC = 32%). The calculated effluent concentration limit is 5.11 (California Ocean Plan, Chapter IV, Section A: Calculation of Effluent Limitations). Since the measured toxicity (3.13) is below this limit, DCPD is in compliance with the California Ocean Plan.

### **B. Monitoring of Receiving Waters**

#### **1. Ecological Studies at Diablo Canyon**

Ecological studies in the vicinity of Diablo Cove conducted during the first quarter continued under the Diablo Canyon Receiving Water Monitoring Program (RWMP) as requested in a letter from the Central Coast Regional Water Quality Control Board (CCRWWQB) dated December 9, 1998 and as detailed in a letter (DCL-99-503) from PG&E dated January 8, 1999. This program includes tasks from the Ecological Monitoring Program (EMP) with additional stations and increased sampling frequencies. This program replaces the EMP and the Thermal Effects Monitoring Program (TEMP).

A report of 2000 RWMP data will be submitted to the CCRWWQB in April, 2001.

2. Shell debris deposition and foam studies were completed and reported as part of the revised RWMP described above.
3. In Situ Bioassay

Results of the Mussel Watch Program will be reported to the CCRWWQB directly from the California Department of Fish and Game in their periodic report for this program.

C. Acti-Brom Treatment Program

Diablo Canyon Power Plant is continuing its use of the proprietary chemical Acti-Brom to control the growth of macrofouling organisms in its main circulating water conduits. Both circulating water conduits of each Unit can be chemically treated simultaneously. Each treated conduit typically received a twenty minute injection every four hours (six injections a day) of Acti-Brom in combination with sodium hypochlorite (NaOCl). Each injection attempts to achieve a nominal concentration of 200 parts per billion Total Residual Oxidant (TRO) when measured at the inlet waterbox of the condenser. Discharge TRO, measured at the plant outfall, remained below NPDES limitations.

Simultaneous hypochlorite and Acti-Brom treatment of both Unit 1 conduits continued six times daily throughout the first quarter.

Simultaneous hypochlorite and Acti-Brom treatment of Unit 2 conduits continued six times daily through most of January. Near the end of January, conduit 2-2 injections were interrupted briefly for condenser cleaning. After the condenser cleaning, conduit 2-1 injections were changed to twice daily hypochlorite injections only for microfouling control, while conduit 2-2 resumed the simultaneous hypochlorite and Acti-Brom treatment schedule through the remainder of the first quarter.



**APPENDIX 1****DIABLO CANYON POWER PLANT**

<b>NPDES DISCHARGE POINTS</b>	
<b>DISCHARGE NUMBER</b>	<b>DESCRIPTION</b>
<b>001</b>	<b>Once-Through Cooling Water</b>
<b>001 A</b>	<b>Firewater Systems</b>
<b>001 B</b>	<b>Auxiliary Salt Water Cooling System</b>
<b>001 C</b>	<b>Discharge Deleted</b>
<b>001 D</b>	<b>Liquid Radioactive Waste Treatment System</b>
<b>001 E</b>	<b>Service Cooling Water System</b>
<b>001 F</b>	<b>Turbine Building Sump</b>
<b>001 G</b>	<b>Make-Up Water System Waste Effluent</b>
<b>001 H</b>	<b>Condensate Demineralizer Regenerant</b>
<b>001 I</b>	<b>Seawater Evaporator Blowdown</b>
<b>001 J</b>	<b>Condensate Pumps Discharge Header Overboard</b>
<b>001 K</b>	<b>Condenser Tube Sheet Leak Detection Dump Tank Overboard</b>
<b>001 L</b>	<b>Steam Generator Blowdown</b>
<b>001 M</b>	<b>Wastewater Holding and Treatment System</b>
<b>001 N</b>	<b>Sanitary Wastewater Treatment System</b>
<b>001 P</b>	<b>Seawater Reverse Osmosis System Blowdown</b>
<b>002</b>	<b>Intake Structure Building Floor Drains</b>
<b>003</b>	<b>Intake Screen Wash</b>
<b>004</b>	<b>Bio Lab and Storm Water Runoff</b>
<b>005, 008, 009, 013, 014, 015</b>	<b>Yard Storm Drains</b>
<b>006, 007, 010, 011, 012</b>	<b>Storm Water Runoff</b>
<b>016</b>	<b>Bio Lab Seawater Supply Pump Valve Drain</b>
<b>017</b>	<b>Seawater Reverse Osmosis System Blowdown Drain</b>

**APPENDIX 2**

**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**January 2001**

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 1

FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 01 / 01 / 01 YEAR / MO / DAY ENDING 01 / 01 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	54.8	74.1	19.3	2503				
2	55.1	74.4	19.3	2503				
3	55.3	74.6	19.3	2503				
4	55.4	74.7	19.3	2503				
5	55.4	74.7	19.3	2503	8.2	8.1	7.9	
6	55.1	68.3	13.2	2503				
7	55.1	72.8	17.7	2503				
8	55.4	74.5	19.1	2503				
9	55.3	74.6	19.3	2503				
10	55.3	71.5	16.2	2503				
11	56.0	61.8	5.8	2503				
12	55.4	73.8	18.4	2503				
13	55.2	75.0	19.8	2503				
14	55.5	75.3	19.8	2503				
15	55.3	75.1	19.8	2503				
16	54.5	74.2	19.7	2503				2 8.0
17	54.2	73.8	19.6	2503				
18	54.2	73.8	19.6	2503				
19	54.7	73.8	19.1	2503				
20	55.1	73.3	18.2	2087				
21	55.2	73.5	18.3	2503				
22	55.1	74.4	19.3	2503				
23	55.3	74.6	19.3	2503				
24	55.2	74.5	19.3	2503				
25	54.6	73.9	19.3	2503				
26	55.0	74.3	19.3	2503				
27	54.1	73.5	19.4	2503				
28	54.3	73.7	19.4	2503				
29	54.1	73.5	19.4	2503				
30	53.2	72.5	19.3	2503				
31	53.3	72.7	19.4	2503				
MONTHLY AVG	54.9	73.4	18.5	2490	8.2	8.1	7.9	8.0
MONTHLY HIGH	56.0	75.3	19.8	2503	8.2	8.1	7.9	8.0
MONTHLY LOW	53.2	61.8	5.8	2087	8.2	8.1	7.9	8.0
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(**)					
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* EXCEPT DURING DEMUSSELING.  
\*\*\* DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Gregory M. Rueger*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 2

FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 01 / 01 / 01  
YEAR / MO / DAY ENDING 01 / 01 / 31  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1							12	30
2			3	ND(5)			12	22
3						< 3	12	22
4							12	36
5	8.2	8.2					12	36
6							12	47
7							12	36
8							12	43
9							12	32
10							12	36
11			3	11			12	39
12							12	27
13							12	27
14							12	39
15							12	32
16							12	36
17							12	43
18							12	52
19			3	ND(5)			12	43
20							11	52
21							12	52
22							12	43
23							12	36
24			3	ND(5)			12	22
25							12	27
26							12	22
27							12	22
28							12	25
29							12	20
30							12	27
31							12	27
MONTHLY AVG	8.2	8.2	< 5	NO	NO	< 3	34	609
MONTHLY HIGH	8.2	8.2	14	DISCHARGE	DISCHARGE	< 3	52	780
MONTHLY LOW	8.2	8.2	ND(5)			< 3	20	446
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* WHEN 001N IS DISCHARGING TO 001P.  
\*\*\* WHEN 001P IS DISCHARGING TO 003.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*DA S Drew Squires*

DATE

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 3

FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 01 / 01 / 01 YEAR / MO / DAY ENDING 01 / 01 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY mg/l NET			EFFLUENT 001F SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY mg/l NET		
1			2	2		2	ND(5)	
2			2	13		2	13	
3							7	< 1
4								7
5								
6								
7								
8				10	1		9	
9								
10								
11				20			20	
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO	NO				** 8		7
MONTHLY HIGH	DISCHARGE	DISCHARGE				20		7
MONTHLY LOW						ND(5)		7
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED	1 MAX >10K							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT  
*Drew Squires*  
DATE  
4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 01 / 01

YEAR / MO / DAY  
ENDING 01 / 01 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS					
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET			
1									
2									
3									
4				2	<1	ND(5)			
5	1		ND(5)						
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
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21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

MONTHLY AVG

ND(5)

ND(5)

MONTHLY HIGH

ND(5)

ND(5)

MONTHLY LOW

ND(5)

ND(5)

TIMES EXCEEDED

NO LIMIT

NO LIMIT

MO AVG 30=0

NO LIMIT

NO LIMIT

MO AVG 30=0

TIMES EXCEEDED

D MAX 100 = 0

D MAX 100 = 0

TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 01 / 01

YEAR / MO / DAY  
ENDING 01 / 01 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION  
ANALYSIS  
UNITS  
SMPL TYPE  
FREQ.

EFFLUENT 001I  
SUSPENDED SOLIDS  
mg/l 1st FLTR  
mg/l 2nd FLTR  
GRAB  
MONTHLY  
mg/l NET

EFFLUENT 001J  
SUSPENDED SOLIDS  
mg/l 1st FLTR  
mg/l 2nd FLTR  
GRAB  
MONTHLY  
mg/l NET

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

NO  
DISCHARGE

NO  
DISCHARGE

TIMES EXCEEDED  
TIMES EXCEEDED  
TIMES EXCEEDED

NO LIMIT

NO LIMIT

MO AVG 30 = 0  
MAX 100 = 0

NO LIMIT

NO LIMIT

MO AVG 30 = 0  
MAX 100 = 0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 6

FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 01 / 01 / 01 ENDING 01 / 01 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS			
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1							
2							
3				2	<1	2	ND(5)
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

MONTHLY AVG NO DISCHARGE ND(5)  
MONTHLY HIGH ND(5)  
MONTHLY LOW ND(5)

TIMES EXCEEDED NO LIMIT NO LIMIT MO AVG 30 = 0 NO LIMIT NO LIMIT MO AVG 30 = 0  
TIMES EXCEEDED D MAX 100 = 0 D MAX 100 = 0  
TIMES EXCEEDED


REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

 Drew Squires

4/19/01



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 7

FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 01 / 01

YEAR / MO / DAY  
ENDING 01 / 01 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS			
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1								
2				6				
3								
4								
5					2	1	ND(5)	
6								
7								
8								
9								
10								
11				22				
12	20	1	19					
13								
14								
15								
16	6	3	ND(5)	12				
17								
18								
19								
20								
21								
22								
23								
24				8				
25								
26								
27								
28	3	< 1	ND(5)					
29								
30								
31								
MONTHLY AVG			6	12			ND(5)	
MONTHLY HIGH			19	22			ND(5)	
MONTHLY LOW			ND(5)	6			ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0	
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

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3 402003001

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS		
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
1						
2						
3						
4						
5				2	<1	ND(5)
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16	2	5	2	1	2	ND(5)
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG			ND(5)			ND(5)
MONTHLY HIGH			ND(5)			ND(5)
MONTHLY LOW			ND(5)			ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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<i>Drew Squires</i>	4/19/01

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CONTROL BOARD  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR      mg/l 2nd FLTR      mg/l NET GRAB WEEKLY WHEN 001N & 001P => 003				EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY
1									
2					ND(0.1)				
3									
4									
5						ND(10)	ND(10)	15	ND(10)
6									
7									
8									
9									
10									
11					0.1				
12									
13									
14									
15									
16									
17									
18					ND(0.1)				
19									
20									
21									
22									
23									
24					ND(0.1)				
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG				NO	< 0.1	ND(10)	ND(10)	15	ND(10)
MONTHLY HIGH				DISCHARGE	0.1	ND(10)	ND(10)	15	ND(10)
MONTHLY LOW					ND(0.1)	ND(10)	ND(10)	15	ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0	
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0	
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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*Drew Squires*

4/19/01

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FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 01 / 01 / 01 ENDING 01 / 01 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
1						2 < 3		
2						2 6		
3								
4								
5	ND(10)	ND(10)	ND(10)				< 3	< 3
6								
7								
8						< 3		
9								
10								
11								
12								
13								
14								
15								
16				ND(200)	ND(200)			
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	** < 3	< 3	< 3
MONTHLY HIGH	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	6	< 3	< 3
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	< 3	< 3	< 3
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED					I MAX 30600 = 0			

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* FLOW-WEIGHTED AVERAGE REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
GREGORY M. RUEGER

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*Drew Squires*  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
1								
2								
3				2 < 3				
4								
5						< 3		< 3
6								
7								
8								
9								
10								
11								
12					< 3			
13								
14								
15								
16					< 3		2 < 3	
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28					< 3			
29								
30								
31								
MONTHLY AVG	NO	NO	NO	< 3	< 3	< 3	< 3	< 3
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	< 3	< 3	< 3	< 3	< 3
MONTHLY LOW				< 3	< 3	< 3	< 3	< 3
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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*Drew Squires*

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4/19/01

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FACILITY I.D. 3 402003001      YEAR / MO / DAY BEGINNING 01 / 01 / 01      YEAR / MO / DAY ENDING 01 / 01 / 31      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	
1							
2							
3							
4							
5	< 3						
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23			ND (5)	2	ND (5)	2	ND (5)
24							
25							
26							
27							
28							
29							
30							
31		0.00					
MONTHLY AVG	< 3	0.00	ND(5)	ND(5)	ND(5)	ND(5)	
MONTHLY HIGH	< 3	0.00	ND(5)	ND(5)	ND(5)	ND(5)	
MONTHLY LOW	< 3	0.00	ND(5)	ND(5)	ND(5)	ND(5)	
TIMES EXCEEDED	MO AVG 15 = 0		NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED	D MAX 20 = 0						
TIMES EXCEEDED	6M-MED 0.26=0						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
  
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>DJP Drew Squires</i>	4/19/01

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 01 / 01 / 01 ENDING 01 / 01 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT				
	*	*	*	*	*	*	*	*				
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23	ND(10)	2	20	2	ND(10)	ND(10)	10	2	110	2	20	10
24												
25												
26												
27												
28												
29												
30												
31												
MONTHLY AVG	ND(10)	20	ND(10)	ND(10)	10	110	20	10				
MONTHLY HIGH	ND(10)	20	ND(10)	ND(10)	10	140	40	10				
MONTHLY LOW	ND(10)	10	ND(10)	ND(10)	10	80	ND(10)	10				
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT				
TIMES EXCEEDED												
TIMES EXCEEDED												

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

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GREGORY M. RUEGER

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23	ND(10)	2 < 10	2 ND(10)	ND(10)	0.06	2 0.04	2 ND(0.01)	0.02
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND(10)	< 10	ND(10)	ND(10)	0.06	0.04	ND(0.01)	0.02
MONTHLY HIGH	ND(10)	10	ND(10)	ND(10)	0.06	0.04	ND(0.01)	0.02
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(10)	0.06	0.03	ND(0.01)	0.02
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

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FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 01 / 01 / 01 YEAR / MO / DAY ENDING 01 / 01 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT		
	*	*	*	*	*	*	*	*		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	ND(10)	2	30	2	ND(10)	20	ND(10)	2	ND(10)	ND(10)
24										
25										
26										
27										
28										
29										
30										
31										
MONTHLY AVG	ND(10)	30	ND(10)	20	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH	ND(10)	30	ND(10)	20	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW	ND(10)	20	ND(10)	20	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED										
TIMES EXCEEDED										

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

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GREGORY M. RUEGER

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1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23	80	2	70	2	ND(20)
24					
25					
26					
27					
28					
29					
30					
31					
MONTHLY AVG	80	70	ND(20)	70	
MONTHLY HIGH	80	100	ND(20)	70	
MONTHLY LOW	80	40	ND(20)	70	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED					
TIMES EXCEEDED					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/19/01

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NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
1						
2						
3						
4						
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29						
30						
31						

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0  
TIMES EXCEEDED D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0  
TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*DS* Drew Squires

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 01 / 01

YEAR / MO / DAY  
ENDING 01 / 01 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
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27						
28						
29						
30						
31						

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED MO AVG 1=0 MO AVG 1=0 MO AVG 1=0 MO AVG 1=0 MO AVG 1=0  
TIMES EXCEEDED D MAX 1=0 D MAX 1=0 D MAX 1=0 D MAX 1=0 D MAX 1=0  
TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 01 / 01 / 01 ENDING 01 / 01 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
1								
2								
3								
4								
5								** 13
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								13
MONTHLY HIGH								13
MONTHLY LOW								13
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 01 / 01 / 01 ENDING 01 / 01 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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23								
24								
25								
26								
27								
28								
29								
30								
31								

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 01 / 01 / 01  
YEAR / MO / DAY ENDING 01 / 01 / 31  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER	
1								
2								
3								
4								
5								
6								
7								
8								
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11								
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24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED NO LIMIT 6M-MED 10=0 NO LIMIT NO LIMIT NO LIMIT MO AVG 15=0 MO AVG 15=0								
TIMES EXCEEDED DMAX 20=0 DMAX 20=0 DMAX 20=0								
TIMES EXCEEDED IMAX 50=0								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I.D.  
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YEAR / MO / DAY  
BEGINNING 01 / 01 / 01

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ENDING 01 / 01 / 31

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06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
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19								
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21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0		
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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PO BOX 56  
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FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 01 / 01 / 01  
YEAR / MO / DAY ENDING 01 / 01 / 31  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KjLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
1								
2								
3								
4								
5								
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21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT  
TIMES EXCEEDED  
TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 01 / 01 / 01  
YEAR / MO / DAY ENDING 01 / 01 / 31  
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NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

4/19/01

**APPENDIX 3**

**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**February 2001**

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
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PAGE: (M) 1

FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 02 / 01

YEAR / MO / DAY  
ENDING 01 / 02 / 28

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	53.1	72.4	19.3	2503				
2	52.8	72.1	19.3	2503	8.0	8.0	7.7	2 8.0
3	52.6	71.8	19.2	2503				
4	53.6	72.8	19.2	2503				
5	53.3	72.5	19.2	2503				
6	52.1	71.3	19.2	2503				
7	51.2	70.5	19.3	2503				
8	52.0	71.3	19.3	2503				
9	51.9	71.1	19.2	2503				
10	52.2	71.4	19.2	2503				
11	52.5	71.7	19.2	2503				
12	52.4	71.7	19.3	2503				
13	52.0	71.3	19.3	2503				
14	51.9	71.2	19.3	2503				
15	51.8	71.2	19.4	2503				
16	52.2	71.6	19.4	2503				
17	53.2	72.4	19.2	2503				
18	53.3	72.6	19.3	2503				
19	53.2	72.4	19.2	2503				
20	53.9	73.1	19.2	2503				
21	54.0	73.2	19.2	2503				
22	53.9	73.2	19.3	2503				
23	53.6	73.0	19.4	2503				
24	53.0	72.4	19.4	2503				
25	53.8	73.1	19.3	2503				
26	54.0	73.3	19.3	2503				
27	54.0	73.3	19.3	2503				
28	53.9	73.2	19.3	2503				
29								
30								
31								
MONTHLY AVG	52.9	72.2	19.3	2503	8.0	8.0	7.7	8.0
MONTHLY HIGH	54.0	73.3	19.4	2503	8.0	8.0	7.7	8.0
MONTHLY LOW	51.2	70.5	19.2	2503	8.0	8.0	7.7	8.0
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(**)					
TIMES EXCEEDED								

REMARKS:

\* NUMBER OF SAMPLES TAKEN DURING THE DAY.

\*\* EXCEPT DURING DEMUSSEUNG.

\*\*\* DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*[Signature]* Drew Squires

4/19/01

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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 01 / 02 / 01 ENDING 01 / 02 / 28 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1							12	25
2	8.0	8.0	3 < 5			< 3	12	27
3							12	27
4							12	20
5							12	17
6							12	32
7			3 < 5				12	30
8							12	45
9							12	49
10							12	59
11							12	49
12							12	39
13							12	39
14			3 ND(5)				12	41
15							12	57
16							12	36
17							12	30
18							12	30
19							12	26
20							12	21
21			3 ND(5)				12	17
22							12	32
23							12	39
24							12	34
25							12	31
26							12	34
27							12	32
28							12	54
29								
30								
31								
MONTHLY AVG	8.0	8.0	< 5	NO	NO	< 3	35	487
MONTHLY HIGH	8.0	8.0	5	DISCHARGE	DISCHARGE	< 3	59	537
MONTHLY LOW	8.0	8.0	ND(5)			< 3	17	432
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* WHEN 001N IS DISCHARGING TO 001P.  
\*\*\* WHEN 001P IS DISCHARGING TO 003.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 01 / 02 / 01 YEAR / MO / DAY ENDING 01 / 02 / 28 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET
1			2	3	ND(5)	3
2						< 1
3						ND(5)
4			4		ND(5)	
5						
6						
7						
8						
9			6		6	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20			20		20	
21			4		ND(5)	
22						
23						
24						
25						
26						
27			2		ND(5)	
28						
29						
30						
31						

MONTHLY AVG NO NO \*\* < 5 ND(5)  
MONTHLY HIGH DISCHARGE DISCHARGE 20 ND(5)  
MONTHLY LOW ND(5) ND(5)

TIMES EXCEEDED 80% SMPLS>1K MEAN>200= NO LIMIT NO LIMIT MO AVG 30 = 0 NO LIMIT NO LIMIT MO AVG 30 = 0  
TIMES EXCEEDED 90 % SMPLS>400 D MAX 100 = 0  
TIMES EXCEEDED I MAX >10K

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT  
Drew Squires  
DATE  
4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 02 / 01

YEAR / MO / DAY  
ENDING 01 / 02 / 28

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1				9	9	ND(5)	
2	< 1		ND(5)				
3							
4							
5							
6							
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26							
27							
28							
29							
30							
31							
MONTHLY AVG			ND(5)	ND(5)			
MONTHLY HIGH			ND(5)	ND(5)			
MONTHLY LOW			ND(5)	ND(5)			
TIMES EXCEEDED NO LIMIT NO LIMIT MO AVG 30=0 NO LIMIT NO LIMIT MO AVG 30=0							
TIMES EXCEEDED D MAX 100 = 0 D MAX 100 = 0							
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1							
2							
3							
4							
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29							
30							
31							
MONTHLY AVG	NO			NO			
MONTHLY HIGH	DISCHARGE			DISCHARGE			
MONTHLY LOW							
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0	
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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SAN LUIS OBISPO, CA 93401

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS			
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1							
2				2	< 1	2	ND(5)
3							
4							
5							
6							
7							
8							
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27							
28							
29							
30							
31							
MONTHLY AVG			NO				ND(5)
MONTHLY HIGH			DISCHARGE				ND(5)
MONTHLY LOW							ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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DIABLO CANYON NUCLEAR POWER PLANT  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS			
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1								
2				12				
3								
4								
5								
6					2	< 1		ND(5)
7				23				
8								
9								
10								
11								
12	5	1	ND(5)					
13								
14				8				
15								
16								
17								
18								
19								
20								
21				11				
22								
23								
24								
25	4	< 1	ND(5)					
26								
27								
28								
29								
30								
31								
MONTHLY AVG			ND(5)	14				ND(5)
MONTHLY HIGH			ND(5)	23				ND(5)
MONTHLY LOW			ND(5)	8				ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0	
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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81 HIGUERA  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	
		GRAB MONTHLY			GRAB MONTHLY		
1							
2	2	3	2	15	1	14	
3							
4							
5							
6							
7							
8							
9							
10							
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28							
29							
30							
31							

MONTHLY AVG	ND(5)	14
MONTHLY HIGH	ND(5)	14
MONTHLY LOW	ND(5)	14

TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
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SAN LUIS OBISPO, CA 93401

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR    mg/l 2nd FLTR    mg/l NET GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY
1								
2				ND(0.1)			16	ND(10)
3								
4								
5								
6								
7				ND(0.1)				
8								
9								
10								
11								
12								
13								
14				ND(0.1)				
15								
16								
17								
18								
19								
20								
21				ND(0.1)				
22								
23								
24								
25								
26								
27					ND(10)	ND(10)		
28								
29								
30								
31								
MONTHLY AVG	NO			ND(0.1)	ND(10)	ND(10)	16	ND(10)
MONTHLY HIGH	DISCHARGE			ND(0.1)	ND(10)	ND(10)	16	ND(10)
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	16	ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT  
*Drew Squires*  
DATE  
4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

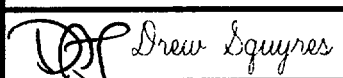
PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 01 / 02 / 01		YEAR / MO / DAY ENDING 01 / 02 / 28		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1									
2									
3									
4									
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6									
7									
8									
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25									
26									
27	ND(10)	ND(10)							
28									
29									
30									
31									
MONTHLY AVG	ND(10)	ND(10)	ND(10)						
MONTHLY HIGH	ND(10)	ND(10)	ND(10)						
MONTHLY LOW	ND(10)	ND(10)	ND(10)						
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED					I MAX 30600 = 0				

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
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CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
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28								
29								
30								
31								
MONTHLY AVG					< 3			
MONTHLY HIGH					< 3			
MONTHLY LOW					< 3			
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

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CONTROL BOARD  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	
1							
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31							

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED MO AVG 15 = 0 NO LIMIT NO LIMIT NO LIMIT NO LIMIT  
TIMES EXCEEDED D MAX 20 = 0  
TIMES EXCEEDED 6M-MED 0.26=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

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DISCHARGE SELF MONITORING REPORT

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT  
TIMES EXCEEDED  
TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT
1								
2								
3								
4								
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31								

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT  
TIMES EXCEEDED  
TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 01 / 02 / 01		YEAR / MO / DAY ENDING 01 / 02 / 28		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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30									
31									
MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 7

FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 02 / 01

YEAR / MO / DAY  
ENDING 01 / 02 / 28

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION  
ANALYSIS  
UNITS  
SMPL TYPE  
FREQ.

EFFLUENT 001D  
ZINC  
ug/l  
QTRLY COMP  
JA/AP/JUL/OCT

EFFLUENT 001H  
ZINC  
ug/l  
QTRLY COMP  
JA/AP/JUL/OCT

EFFLUENT 001L  
ZINC  
ug/l  
QTRLY COMP  
JA/AP/JUL/OCT

EFFLUENT 001F  
ZINC  
ug/l  
1 WEEK COMP  
JA/AP/JUL/OCT

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31

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT  
TIMES EXCEEDED  
TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 8

FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 02 / 01

YEAR / MO / DAY  
ENDING 01 / 02 / 28

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
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MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0  
TIMES EXCEEDED D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0  
TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 02 / 01

YEAR / MO / DAY  
ENDING 01 / 02 / 28

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
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MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0  
TIMES EXCEEDED D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0 D MAX 1 = 0  
TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

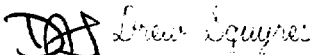
PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 1

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 01 / 02 / 01		YEAR / MO / DAY ENDING 01 / 02 / 28		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
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2								** ND(10)
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29								
30								
31								
MONTHLY AVG								ND(10)
MONTHLY HIGH								ND(10)
MONTHLY LOW								ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT


PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 2

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #				
3 402003001	BEGINNING 01 / 02 / 01	ENDING 01 / 02 / 28	06	CA0003751				
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
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29								
30								
31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 3

FACILITY I.D. 3402003001  
YEAR / MO / DAY BEGINNING 01 / 02 / 01  
YEAR / MO / DAY ENDING 01 / 02 / 28  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER	
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MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0
TIMES EXCEEDED		IMAX 50=0					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*DAS Drew Squires*

4/19/01



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

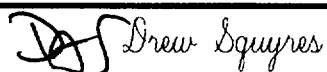
PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 4

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #				
3 402003001	BEGINNING 01 / 02 / 01	ENDING 01 / 02 / 28	06	CA0003751				
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER	
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24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT	
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0			
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 5

FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 01 / 02 / 01  
YEAR / MO / DAY ENDING 01 / 02 / 28  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
1								
2								
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26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 6

FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 01 / 02 / 01  
YEAR / MO / DAY ENDING 01 / 02 / 28  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
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31								

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0
TIMES EXCEEDED	TTL<100=0	TTL<2500=0	TTL<500=0	TTL<1000=0	TTL<2000=0	TTL<20=0	TTL<5000=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

## **APPENDIX 4**

### **DIABLO CANYON POWER PLANT**

#### **Influent and Effluent Monitoring**

**March 2001**

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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PAGE: (M) 1

FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 03 / 01

YEAR / MO / DAY  
ENDING 01 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	54.3	73.5	19.2	2503				
2	54.0	73.3	19.3	2503				
3	54.4	73.6	19.2	2503				
4	54.2	73.4	19.2	2503				
5	54.4	73.7	19.3	2503				
6	54.5	73.8	19.3	2503				
7	54.8	74.1	19.3	2503				
8	54.9	74.1	19.2	2503				
9	54.7	73.9	19.2	2503				
10	53.8	72.8	19.0	2503				
11	54.0	73.1	19.1	2503				
12	54.2	73.4	19.2	2503				
13	53.6	72.8	19.2	2503	8.0	8.0	7.8	2 8.0
14	52.8	72.0	19.2	2503				
15	52.6	71.8	19.2	2503				
16	51.0	70.3	19.3	2503				
17	50.8	70.1	19.3	2503				
18	51.1	70.4	19.3	2503				
19	52.4	71.7	19.3	2503				
20	53.0	72.4	19.4	2503				
21	53.1	72.6	19.5	2503				
22	53.4	72.9	19.5	2503				
23	52.8	72.3	19.5	2503				
24	52.3	71.7	19.4	2503				
25	52.2	71.6	19.4	2503				
26	51.7	71.1	19.4	2503				
27	51.0	70.3	19.3	2503				
28	50.6	70.0	19.4	2503				
29	49.4	68.8	19.4	2503				
30	49.2	68.5	19.3	2503				
31	51.0	70.4	19.4	2503				
MONTHLY AVG	52.8	72.1	19.3	2503	8.0	8.0	7.8	8.0
MONTHLY HIGH	54.9	74.1	19.5	2503	8.0	8.0	7.8	8.0
MONTHLY LOW	49.2	68.5	19.0	2503	8.0	8.0	7.8	8.0
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(**)					
TIMES EXCEEDED								

REMARKS:

\* NUMBER OF SAMPLES TAKEN DURING THE DAY.

\*\* EXCEPT DURING DEMUSSELING.

\*\*\* DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 2

FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 03 / 01

YEAR / MO / DAY  
ENDING 01 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1			3 ND(5)				12 49	512
2							12 54	490
3							12 37	476
4							12 37	476
5							12 28	476
6							12 23	485
7							12 37	494
8							12 53	511
9							12 53	528
10			3 < 5				12 70	528
11							12 54	528
12							12 49	528
13	8.0	8.0				< 3	12 49	526
14							12 49	521
15			3 ND(5)				12 49	516
16							12 43	518
17							12 52	518
18							12 53	518
19							12 53	490
20							12 27	470
21							12 27	470
22			3 ND(5)				12 25	470
23							12 23	470
24							12 26	470
25							12 30	470
26							12 26	470
27							12 28	475
28							12 32	480
29			3 ND(5)				12 47	453
30							12 36	432
31							12 27	417
MONTHLY AVG	8.0	8.0	< 5	NO	NO	< 3	40	490
MONTHLY HIGH	8.0	8.0	6	DISCHARGE	DISCHARGE	< 3	70	528
MONTHLY LOW	8.0	8.0	ND(5)			< 3	23	417
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* WHEN 001N IS DISCHARGING TO 001P.  
\*\*\* WHEN 001P IS DISCHARGING TO 003.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

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CONTROL BOARD  
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81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.  
3402003001

YEAR / MO / DAY  
BEGINNING 01 / 03 / 01

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STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR mg/1 NET GRAB MONTHLY			EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR mg/1 NET GRAB MONTHLY		
1			2	3		2	ND(5)	
2								
3								
4								
5								
6								
7								
8								
9			2	5		2	ND(5)	
10								
11								
12								
13							3	< 1 ND(5)
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26				19			19	
27								
28								
29								
30								
31								

MONTHLY AVG	NO	NO	** <	5	ND(5)
MONTHLY HIGH	DISCHARGE	DISCHARGE		19	ND(5)
MONTHLY LOW				ND(5)	ND(5)

TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED	I MAX >10K							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*DOS Drew Squires*

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CONTROL BOARD  
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81 HIGUERA  
SAN LUIS OBISPO, CA 93401

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PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 01 / 03 / 01  
YEAR / MO / DAY ENDING 01 / 03 / 31  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1							
2				< 1	< 1	ND(5)	
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13	< 1		ND(5)				
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG			ND(5)			ND(5)	
MONTHLY HIGH			ND(5)			ND(5)	
MONTHLY LOW			ND(5)			ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	MO AVG 30=0	
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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*DH Drew Squires*

4/19/01



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 01 / 03 / 01 YEAR / MO / DAY ENDING 01 / 03 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J SUSPENDED SOLIDS					
	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET			
		GRAB			GRAB				
		MONTHLY			MONTHLY				
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

NO  
DISCHARGE

NO  
DISCHARGE

TIMES EXCEEDED  
TIMES EXCEEDED  
TIMES EXCEEDED

NO LIMIT

NO LIMIT

MO AVG 30 = 0  
MAX 100 = 0

NO LIMIT

NO LIMIT

MO AVG 30 = 0  
MAX 100 = 0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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YEAR / MO / DAY  
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06

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CA0003751

STATION  
ANALYSIS  
UNITS  
SMPL TYPE  
FREQ.

mg/l 1st FLTR

EFFLUENT 001K  
SUSPENDED SOLIDS  
mg/l 2nd FLTR  
GRAB  
MONTHLY

mg/l NET

mg/l 1st FLTR

EFFLUENT 001L  
SUSPENDED SOLIDS  
mg/l 2nd FLTR  
GRAB  
MONTHLY

mg/l NET

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31

2 < 1

2 ND(5)

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

NO  
DISCHARGE

ND(5)  
ND(5)  
ND(5)

TIMES EXCEEDED  
TIMES EXCEEDED  
TIMES EXCEEDED

NO LIMIT

NO LIMIT

MO AVG 30 = 0  
D MAX 100 = 0

NO LIMIT

NO LIMIT

MO AVG 30 = 0  
D MAX 100 = 0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS				EFFLUENT 001N SUSPENDED SLDS		EFFLUENT 001P SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		mg/1 COMPOSITE WEEKLY		mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
	*	*	*	*	*	*	*	*	*	*	
1					9						
2											
3											
4											
5											
6	2	< 1		ND(5)							
7											
8											
9											
10					18						
11											
12											
13						3	< 1		ND(5)		
14											
15					11						
16											
17											
18											
19											
20											
21											
22					18						
23											
24											
25											
26											
27											
28											
29					26						
30											
31											
MONTHLY AVG				ND(5)	16	ND(5)					
MONTHLY HIGH				ND(5)	26	ND(5)					
MONTHLY LOW				ND(5)	9	ND(5)					
TIMES EXCEEDED		NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT		NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED				D MAX 100 = 0					D MAX 100 = 0		
TIMES EXCEEDED											

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

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*DAS Drew Squires*

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CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

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ENDING 01 / 03 / 31

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS					EFFLUENT 003 SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR	GRAB	MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	GRAB	MONTHLY	mg/1 NET	
	*		*		*	*		*		*	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13	2	4	2	<	1	2	ND(5)	6	<	1	6
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											

MONTHLY AVG				ND(5)			6
MONTHLY HIGH				ND(5)			6
MONTHLY LOW				ND(5)			6

TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

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CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
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DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 01 / 03 / 01		YEAR / MO / DAY ENDING 01 / 03 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/1 GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/1 GRAB MONTHLY	EFFLUENT 001 COPPER ug/1 GRAB MONTHLY	EFFLUENT 001 NICKEL ug/1 GRAB MONTHLY	EFFLUENT 001 ZINC ug/1 GRAB MONTHLY	
1					ND(0.1)				
2									
3									
4									
5									
6									
7									
8									
9									
10					ND(0.1)				
11									
12									
13						ND(10)	ND(10)	18	
14									
15					ND(0.1)				
16									
17									
18									
19									
20									
21									
22					ND(0.1)				
23									
24									
25									
26									
27									
28									
29					ND(0.1)				
30									
31									
MONTHLY AVG	NO			ND(0.1)	ND(10)	ND(10)	18	ND(10)	
MONTHLY HIGH	DISCHARGE			ND(0.1)	ND(10)	ND(10)	18	ND(10)	
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	18	ND(10)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0	
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0	
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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<i>Drew Squires</i>	4/19/01

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CONTROL BOARD  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 01 / 03 / 01		YEAR / MO / DAY ENDING 01 / 03 / 31		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13	ND(10)	ND(10)	ND(10)						
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	ND(10)	ND(10)	ND(10)						
MONTHLY HIGH	ND(10)	ND(10)	ND(10)						
MONTHLY LOW	ND(10)	ND(10)	ND(10)						
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED					I MAX 30600 = 0				

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
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DISCHARGE SELF MONITORING REPORT

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG						< 3			
MONTHLY HIGH						< 3			
MONTHLY LOW						< 3			
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED									

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	4/19/01

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06

NPDES PERMIT #  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	
1							
2							
3							
4							
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MONTHLY AVG  
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TIMES EXCEEDED 6M-MED 0.26=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 4

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	01 / 03 / 01	ENDING	01 / 03 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
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TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>DJ Drew Squires</i>	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 01 / 03 / 01		YEAR / MO / DAY ENDING 01 / 03 / 31		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>DAS Drew Squires</i>	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 01 / 03 / 01  
YEAR / MO / DAY ENDING 01 / 03 / 31  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY AVG  
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TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT  
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TIMES EXCEEDED

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 03 / 01

YEAR / MO / DAY  
ENDING 01 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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MONTHLY AVG  
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TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT  
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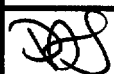
REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

 Drew Squires

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 01 / 03 / 01 YEAR / MO / DAY ENDING 01 / 03 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
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REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 03 / 01

YEAR / MO / DAY  
ENDING 01 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
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MONTHLY AVG  
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REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

 Drew Squires

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

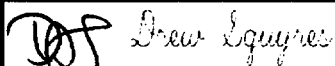
PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	01 / 03 / 01	ENDING	01 / 03 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
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TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
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81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 01 / 03 / 01		YEAR / MO / DAY ENDING 01 / 03 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	
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TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0	
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0	
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>DAB Drew Squires</i>	4/19/01



CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 01 / 03 / 01		YEAR / MO / DAY ENDING 01 / 03 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER
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MONTHLY AVG  
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TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0
TIMES EXCEEDED		IMAX 50=0					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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DISCHARGE SELF MONITORING REPORT

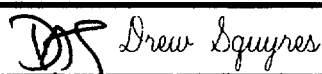
PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3402003001		BEGINNING	01 / 03 / 01	ENDING	01 / 03 / 31	06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER		
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TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT		
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0				
TIMES EXCEEDED									

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D. 3 402003001  
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YEAR / MO / DAY ENDING 01 / 03 / 31  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
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MONTHLY AVG  
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TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT  
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REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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DATE

*Drew Squires*

4/19/01

CALIFORNIA REGIONAL WATER QUALITY  
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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 01 / 03 / 01

YEAR / MO / DAY  
ENDING 01 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

MONTHLY AVG  
MONTHLY HIGH  
MONTHLY LOW

TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0
TIMES EXCEEDED	TTLc>100=0	TTLc>2500=0	TTLc>500=0	TTLc>1000=0	TTLc>2000=0	TTLc>20=0	TTLc>5000=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

*Drew Squires*

DATE

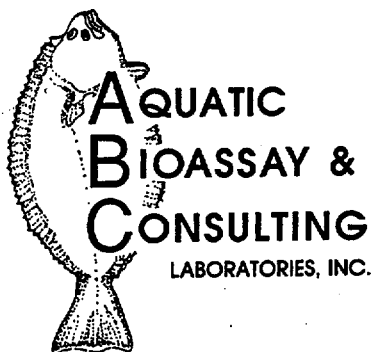
4/19/01

**APPENDIX 5**

**DIABLO CANYON POWER PLANT**

**Acute Bioassay**

**January 31 - February 4, 2001**



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

February 5, 2000

Mr. Curt Wilkinson  
FGL Environmental  
P.O. Box 272  
Santa Paula, CA 93060

Dear Mr. Wilkinson:


We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Guidelines for Performing Static Acute Fish Bioassays in Municipal and Industrial Waste Waters* as provided to us by Frederic R. Kopperdahl, Fish and Wildlife Water Pollution Control Laboratory, Department of Fish and Game. Results were as follows:

CLIENT:	Pacific Gas & Electric
SAMPLE I.D.:	DCPP-298, 001 Effluent
DATE RECEIVED:	31 January 2001
ABC LAB. NO.:	FGL0101.194

#### ACUTE ABALONE SURVIVAL BIOASSAY

LC50	=	100% Survival in 100% Sample
TUa	=	0.00

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

Env. Ops  
**RECEIVED**  
3/19/01

cc: J Kelly  
R Hernandez/NPDES  
log  
orig: Env. Central Files

**-96 Hr Survival**

Start Date: 01/31/2001	Test ID: FGL0101194	Sample ID: CA0000000
End Date: 02/04/2001	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 01/31/2001	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: DCP-298		

Conc-%	1	2
N Control	1.0000	1.0000
100	1.0000	1.0000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					Isotonic	
			Mean	Min	Max	CV%	N	Mean	N-Mean
N Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2		
100	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2		

**Auxiliary Tests**

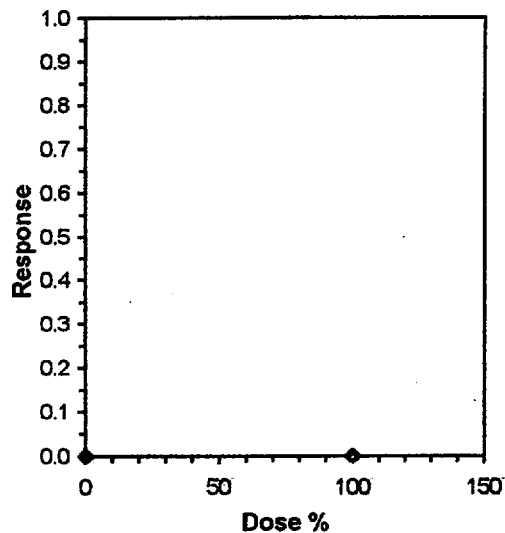
Statistic	Critical	Skew	Kurt
-----------	----------	------	------

Normality of the data set cannot be confirmed

Equality of variance cannot be confirmed

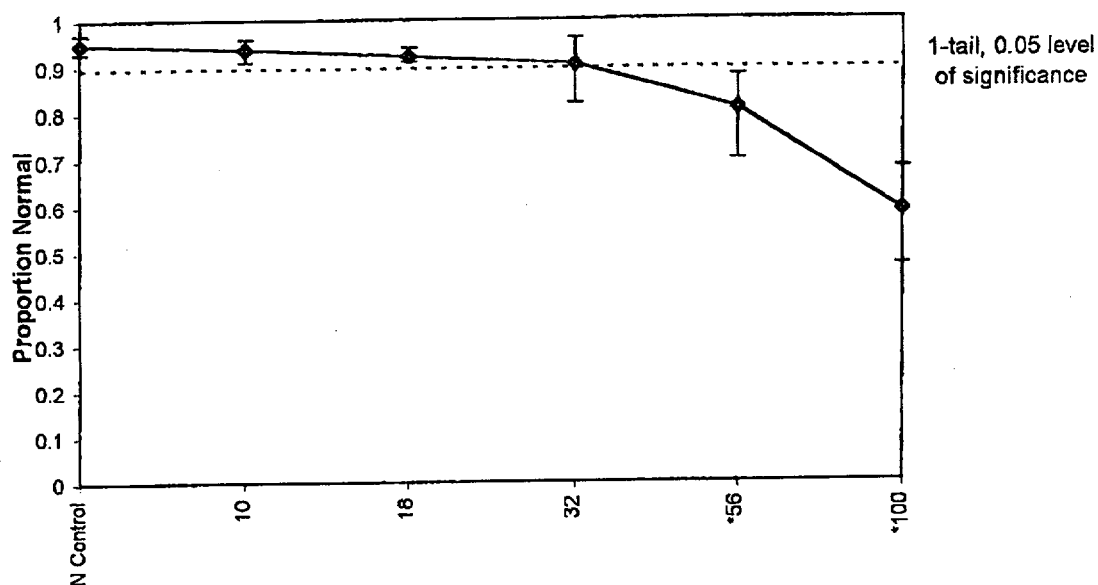
**Linear Interpolation (200 Resamples)**

Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



**-Proportion Normal**

Start Date:	15 Feb-01 00:00	Test ID:	FGL0201301	Sample ID:	CA0000000
End Date:	17 Feb-01 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF3
Sample Date:	14 Feb-01 00:00	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Halliotis rufescens
Comments:	DCPP-299 Discharge SP101337				

**Dose-Response Plot**



**-96 Hr Survival**

Start Date: 01/31/2001	Test ID: FGL0101194	Sample ID: CA0000000
End Date: 02/04/2001	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 01/31/2001	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: DCP-298		

**Auxiliary Data Summary**

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	15.30	14.30	15.60	0.53	4.75	10
100		15.93	15.70	16.70	0.41	4.02	10
N Control	pH	7.70	7.70	7.70	0.00	0.00	10
100		7.62	7.50	7.70	0.08	3.69	10
N Control	DO mg/L	8.00	7.70	8.20	0.15	4.83	10
100		7.72	7.40	8.10	0.24	6.34	10
N Control	Salinity ppt	33.00	33.00	33.00	0.00	0.00	10
100		33.00	33.00	33.00	0.00	0.00	10
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0

### SECTION III

Lab number : \_\_\_\_\_

## SECTION VI

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

**FIELD OFFICE**  
Visalia, California  
Tel: (209) 734-9473  
Mobile: (209) 737-2399  
FAX (209) 734-8435

**APPENDIX 6**

**DIABLO CANYON POWER PLANT**

**Chronic Bioassay**

**February 15 - 17, 2001**



ENVIRONMENTAL



ANALYTICAL CHEMISTS

Env. Ops  
**RECEIVED**  
3/22/01 Kmo

March 19, 2001

CC: Jim Kelly  
Rick Hernandez (NPDES Rpt.)  
Log  
ORIG: ENV Central Library

Pacific Gas & Electric (DCPP)  
Attn: Scott Pigeon  
P.O. Box 56  
Avila Beach, CA 93424

**RE: Chronic NPDES Bioassay, Project - Toxicity, Lab.No. 101337**

Enclosed please find results for the above analysis on your sample received February 14, 2001. Please note the analysis was performed by Aquatic Bioassay & Consulting Labs, Inc.

Thank you for using FGL Environmental.

Sincerely,

Kurt R. Wilkinson, B.S.  
QA Director

KRW:cea



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

March 14, 2001

Ms. Shawn Peck  
FGL Environmental  
P.O. Box 272  
Santa Paula, CA 93060

Dear Ms. Peck:

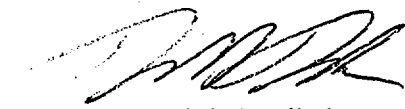
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms*, EPA-R-95/136. Results were as follows:

CLIENT:	FGL Environmental
SAMPLE I.D.:	DCPP-299 Discharge SP101337
DATE RECEIVED:	15 Feb - 01
ABC LAB. NO.:	FGL0201.301

**CHRONIC ABALONE LARVAL DEVELOPMENT BIOASSAY**

NOEC =	32.00 %
TUc =	3.13
IC25 =	75.40 %
IC50 =	>100.00 %

Yours very truly,

  
for Thomas (Tim) Mikel  
Laboratory Director

**-Proportion Normal**

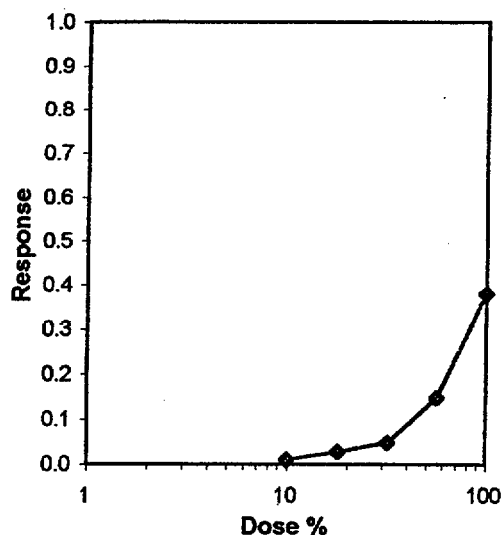
Start Date:	15 Feb-01 00:00	Test ID:	FGL0201301	Sample ID:	CA0000000
End Date:	17 Feb-01 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF3
Sample Date:	14 Feb-01 00:00	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	DCPP-299 Discharge SP101337				

Conc-%	1	2	3	4	5
N Control	0.9300	0.9400	0.9700	0.9600	0.9400
10	0.9600	0.9400	0.9600	0.9200	0.9100
18	0.9200	0.9400	0.9100	0.9300	0.9100
32	0.9600	0.8700	0.9300	0.8200	0.9300
56	0.8200	0.7000	0.8800	0.8300	0.8100
100	0.4700	0.6800	0.6600	0.5300	0.6000

Conc-%	Transform: Arcsin Square Root							1-Tailed			Isotonic	
	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	0.9480	1.0000	1.3432	1.3030	1.3967	2.873	5				0.9480	1.0000
10	0.9380	0.9895	1.3225	1.2661	1.3694	3.600	5	0.479	2.360	0.1019	0.9380	0.9895
18	0.9220	0.9726	1.2885	1.2661	1.3233	1.920	5	1.266	2.360	0.1019	0.9220	0.9726
32	0.9020	0.9515	1.2620	1.1326	1.3694	7.439	5	1.880	2.360	0.1019	0.9020	0.9515
*56	0.8080	0.8523	1.1213	0.9912	1.2171	7.305	5	5.139	2.360	0.1019	0.8080	0.8523
*100	0.5880	0.6203	0.8749	0.7554	0.9695	10.268	5	10.845	2.360	0.1019	0.5880	0.6203

Auxiliary Tests					Statistic	Critical	Skew	Kurt						
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)					0.95865	0.9	-0.4482	-0.0157						
Bartlett's Test indicates equal variances (p = 0.13)					8.5351	15.0863								
Hypothesis Test (1-tail, 0.05)					NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test					32	56	42.332	3.125	0.05378	0.05667	0.15902	0.00466	3.7E-10	5, 24

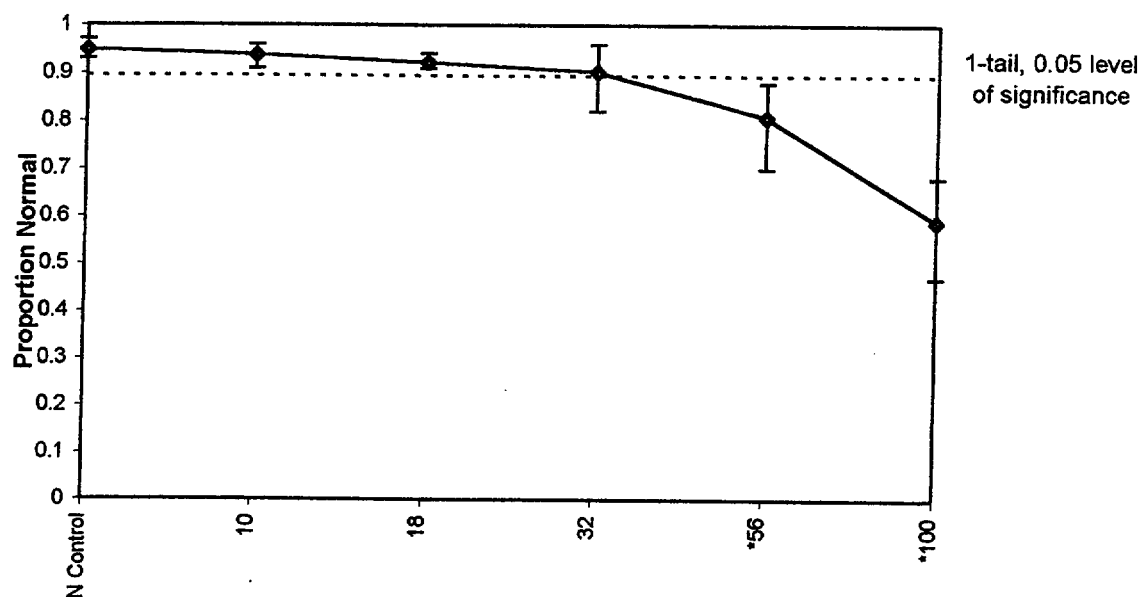
Linear Interpolation (80 Resamples)					
Point	%	SE	95% CL(Exp)		Skew
IC05	32.357	5.831	15.411	43.337	0.0362
IC10	44.460	6.243	25.363	61.244	-0.0590
IC15	56.440	5.652	37.769	68.943	-0.4290
IC20	65.920	4.944	48.899	76.094	-0.5657
IC25	75.400	4.594	59.061	88.502	-0.1605
IC40	>100				
IC50	>100				



### -Proportion Normal

Start Date: 15 Feb-01 00:00 Test ID: FGL0201301 Sample ID: CA0000000  
End Date: 17 Feb-01 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: EFF3  
Sample Date: 14 Feb-01 00:00 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens  
Comments: DCP-299 Discharge SP101337

### Dose-Response Plot



**-Proportion Normal**

Start Date:	15 Feb-01 00:00	Test ID:	FGL0201301	Sample ID:	CA0000000
End Date:	17 Feb-01 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF3
Sample Date:	14 Feb-01 00:00	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	DCPP-299 Discharge SP101337				

**Auxiliary Data Summary**

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp.	15.50	15.20	15.80	0.42	4.20	2
10		15.50	15.20	15.80	0.42	4.20	2
18		15.40	15.20	15.60	0.28	3.45	2
32		15.40	15.20	15.60	0.28	3.45	2
56		15.40	15.20	15.60	0.28	3.45	2
100		15.35	15.20	15.50	0.21	3.00	2
N Control	pH	7.80	7.70	7.90	0.14	4.82	2
10		7.80	7.70	7.90	0.14	4.82	2
18		7.80	7.70	7.90	0.14	4.82	2
32		7.80	7.70	7.90	0.14	4.82	2
56		7.80	7.70	7.90	0.14	4.82	2
100		7.80	7.70	7.90	0.14	4.82	2
N Control	DO mg/L	7.30	6.80	7.80	0.71	11.52	2
10		7.10	6.40	7.80	0.99	14.01	2
18		7.05	6.20	7.90	1.20	15.55	2
32		7.10	6.40	7.80	0.99	14.01	2
56		7.20	6.40	8.00	1.13	14.77	2
100		7.20	6.50	7.90	0.99	13.82	2
N Control	Salinity ppt	33.00	33.00	33.00	0.00	0.00	2
10		33.00	33.00	33.00	0.00	0.00	2
18		33.00	33.00	33.00	0.00	0.00	2
32		33.00	33.00	33.00	0.00	0.00	2
56		33.00	33.00	33.00	0.00	0.00	2
100		33.00	33.00	33.00	0.00	0.00	2







TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

### CHRONIC ABALONE DEVELOPMENT BIOASSAY

DATE: 15 Feb - 01

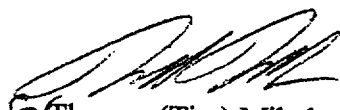
STANDARD TOXICANT: Zinc

NOEC = 10.00 ug/l

IC25 = 20.85 ug/l

IC50 = 30.28 ug/l

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

**-Proportion Normal**

Start Date:	15 Feb-01 00:00	Test ID:	ABS-207	Sample ID:	CA0000000
End Date:	17 Feb-01 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	ZINC
Sample Date:	15 Feb-01 00:00	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	Standard Toxicant				

Conc-µg/L	1	2	3	4	5
N Control	0.8500	0.9700	0.9800	0.8100	0.9100
10	0.9500	0.9600	0.8800	0.9000	0.9000
18	0.6800	0.7300	0.8500	0.8400	0.6600
32	0.2900	0.4900	0.3600	0.4800	0.4500
56	0.0000	0.0000	0.0000	0.0500	0.0100
100	0.0000	0.0000	0.0000	0.0000	0.0000

Conc-µg/L	Mean	N-Mean	Transform: Arcsin Square Root					t-Stat	1-Tailed Critical	MSD	Isotonic	
			Mean	Min	Max	CV%	N				Mean	N-Mean
N Control	0.9040	1.0000	1.2769	1.1198	1.4289	10.583	5				0.9110	1.0000
10	0.9180	1.0155	1.2860	1.2171	1.3694	5.211	5	-0.147	2.300	0.1419	0.9110	1.0000
*18	0.7520	0.8319	1.0549	0.9483	1.1731	9.993	5	3.599	2.300	0.1419	0.7520	0.8255
*32	0.4140	0.4580	0.6977	0.5687	0.7754	12.744	5	9.392	2.300	0.1419	0.4140	0.4544
*56	0.0120	0.0133	0.0951	0.0500	0.2255	79.919	5	19.160	2.300	0.1419	0.0120	0.0132
100	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5				0.0000	0.0000

**Auxiliary Tests**

Shapiro-Wilk's Test indicates normal distribution ( $p > 0.01$ )

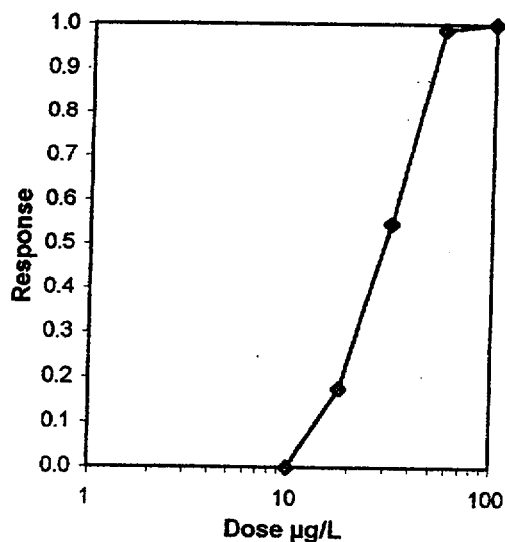
Bartlett's Test indicates equal variances ( $p = 0.69$ )

**Hypothesis Test (1-tail, 0.05)**

	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	10	18	13.4164		0.09424	0.10288	1.25271	0.00951	4.6E-14	4, 20

**Linear Interpolation (80 Resamples)**

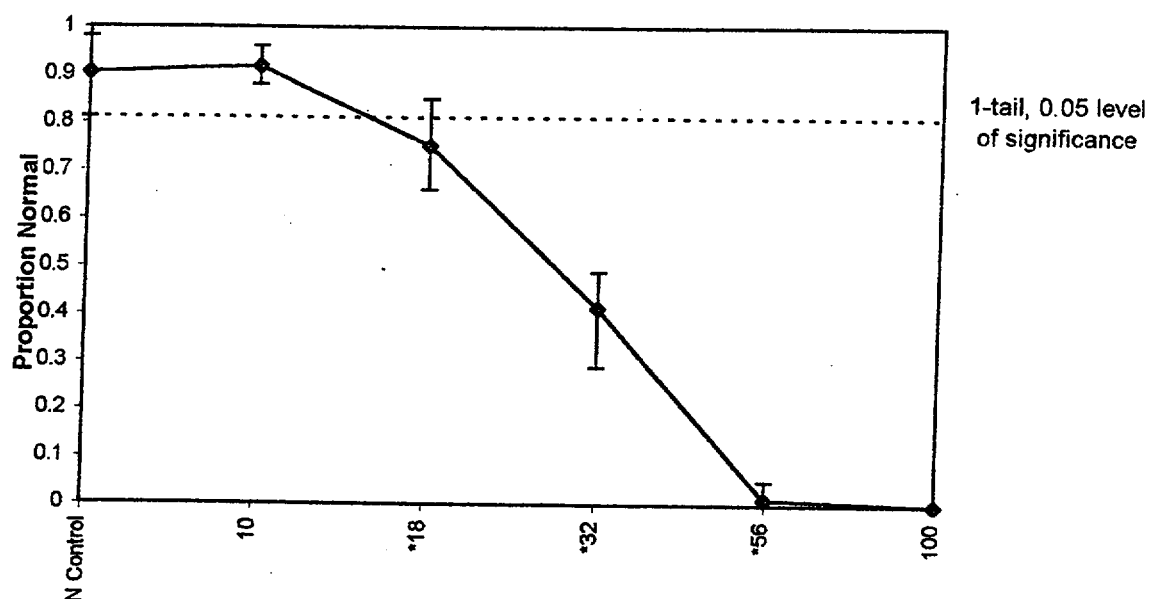
Point	µg/L	SE	95% CL(Exp)	Skew
IC05	12.292	0.940	8.667 13.960	-1.2182
IC10	14.584	1.200	10.883 17.920	0.3045
IC15	16.875	1.413	12.669 20.132	0.1560
IC20	18.961	1.400	14.186 21.627	-0.1234
IC25	20.848	1.379	15.800 23.116	-0.3210
IC40	26.508	1.138	22.891 29.131	-0.0128
IC50	30.281	1.321	27.180 33.978	0.0362



**-Proportion Normal**

Start Date: 15 Feb-01 00:00	Test ID: ABS-207	Sample ID: CA0000000
End Date: 17 Feb-01 00:00	Lab ID: CAABC-Aquatic Bioassay	Sample Type: ZINC
Sample Date: 15 Feb-01 00:00	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant		

**Dose-Response Plot**



**-Proportion Normal**

Start Date: 15 Feb-01 00:00 Test ID: ABS-207 Sample ID: CA0000000  
 End Date: 17 Feb-01 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: ZINC  
 Sample Date: 15 Feb-01 00:00 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens  
 Comments: Standard Toxicant

**Auxiliary Data Summary**

Conc-µg/L	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	776.60	15.20	1538.00	1076.78	4.23	2
10		15.50	15.20	15.80	0.42	4.20	2
18		15.50	15.20	15.80	0.42	4.20	2
32		15.50	15.20	15.80	0.42	4.20	2
56		15.50	15.20	15.80	0.42	4.20	2
100		15.50	15.20	15.80	0.42	4.20	2
N Control	pH	7.80	7.70	7.90	0.14	4.82	2
10		7.80	7.70	7.90	0.14	4.82	2
18		7.80	7.70	7.90	0.14	4.82	2
32		7.80	7.70	7.90	0.14	4.82	2
56		7.80	7.70	7.90	0.14	4.82	2
100		7.80	7.70	7.90	0.14	4.82	2
N Control	DO mg/L	7.30	6.80	7.80	0.71	11.52	2
10		7.15	6.50	7.80	0.92	13.41	2
18		7.10	6.60	7.60	0.71	11.84	2
32		6.95	6.30	7.60	0.92	13.80	2
56		7.05	6.50	7.60	0.78	12.51	2
100		7.20	6.60	7.80	0.85	12.79	2
N Control	Salinity ppt	33.00	33.00	33.00	0.00	0.00	2
10		33.00	33.00	33.00	0.00	0.00	2
18		33.00	33.00	33.00	0.00	0.00	2
32		33.00	33.00	33.00	0.00	0.00	2
56		33.00	33.00	33.00	0.00	0.00	2
100		33.00	33.00	33.00	0.00	0.00	2



