



Pacific Gas and Electric Company®

Diablo Canyon Power Plant  
P. O. Box 56  
Avila Beach, CA 93424

Date: October 19, 2005

PG&E Letter DCL-2005-552

Certified/Return Receipt  
# 7003-3110-0005-7002-5154

California Regional Water Quality Control Board  
Central Coast Region  
Attn: Monitoring and Reporting Review Section  
895 Aerovista, #101  
San Luis Obispo, CA 93401-7906

Dear Mr. Briggs:

In accordance with Order 90-09, NPDES No. CA0003751, enclosed is the Third Quarter 2005 Report on Discharge Monitoring at Diablo Canyon Power Plant (Enclosure 1).

**Facility Name:** Pacific Gas & Electric Company  
Diablo Canyon Power Plant

**Address:** P.O. Box 56  
Avila Beach, CA 93424

**Contact Person:** Bryan Cunningham  
**Job Title:** Supervisor, Environmental Operations  
**Phone Number:** 545-4439

**WDR/NPDES Order Number:** Order No. 90-09, NPDES No. CA0003751

**Type of Report: (check one)**  

<b>QUARTERLY</b>	<b>ANNUAL</b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Quarter: (check one):**  

1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Year:** 2005 (Annual Reports for DCPD are Jan-Dec)

**Violation(s) (Place an X by the appropriate choice):**  **No** (there are no violations to report)  **Yes**

IE25

PG&E Ltr DCL-2005-552  
Mr. Briggs, CRWQCB  
October 19, 2005  
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*If Yes is marked (complete a-g):*

**a) Parameter(s) in Violation:**

**b) Section(s) of WDR/NPDES  
Violated:**

**c) Reported Value(s)**

**d) WDR/NPDES  
Limit/Condition:**

**e) Dates of Violation(s)**  
(reference page of report/data sheet):

**f) Explanation of Cause(s):**  
(attach additional information as needed)

(If "YES", see overview section of attached report)

**g) Corrective Action(s):**  
(attach additional information as needed)

(If "YES", see overview section of attached report)

PG&E Ltr DCL-2005-552  
Mr. Briggs, CRWQCB  
October 19, 2005  
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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 Bryan Cunningham at (805) 545-4439.

Sincerely,

A handwritten signature in black ink, appearing to read 'James R. Becker', is written over a horizontal line. The signature is stylized and cursive.

Name: James R. Becker  
Title: *Vice President - Diablo Canyon Operations and Station Director*

2005552/jlk/kmo

PACIFIC GAS AND ELECTRIC COMPANY

Third Quarter 2005

REPORT ON DISCHARGE MONITORING AT  
DIABLO CANYON POWER PLANT

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ENCLOSURE 1

**THIRD QUARTER 2005**

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

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

**Third Quarter 2005**

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

**(NPDES No. CA0003751)**

## OVERVIEW

1. During the third quarter of 2005, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001L, 001M, 001N, 001P, and 002 through 004. No discharges occurred from Discharge Paths 001I, 001J, 001K, and 005 through 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1**.
2. 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.
3. During the third quarter of 2005, maintenance activities that required draining of closed cooling water systems were performed and are summarized below. PG&E received concurrence from the CCRWQCB in response to letters dated July 19, 1995 (PG&E Letter DCL-95-156), May 23, 1996 (PG&E Letter DCL-96-522), and May 19, 1997 (PG&E Letter DCL-97-533) regarding the use of glutaraldehyde and isothiazolin to control microbiological growth and corrosion in PG&E's closed cooling water systems. Discharges are drained at a flow rate such that the chronic toxicity level would be below the "No Observable Effect Concentration" (NOEC) at NPDES Discharge 001.

Date	System	Volume (gallons)	Glutaraldehyde (mg/l)	Isothiazolin (mg/l)
07/01/05	Unit 1 ICW	1,150	172	5.7
07/06/05	Unit 2 ICW	1,150	158	2.8

4. Injections of sulfur hexafluoride (SF6) into DCP's condensers were performed to detect saltwater leaks during this quarter. CCRWQCB's Sorrel Marks concurred during conversations held in May 1996 that periodic use of SF6 would not increase DCP's probability of exceeding NPDES permit limitations.

Date	Number of Injections	Duration (seconds)	Injection Rate of SF6 (Standard Cubic Feet per Minute)	Total Scf SF6
08/01/05	5	60	5	25

5. Two samples from flow path 001D were taken on July 6, 2005 for oil and grease analysis in the Diablo Canyon Power Plant laboratory. These samples were analyzed on August 12, 2005; nine days in excess of the 28-day maximum holding time. When analyzed, the results were a non-detect (<5 mg/L) and 7.4 mg/L. These results are well below both the 15 mg/L monthly average limit, and the 20 mg/L daily maximum limit. Because the samples had been acidified and refrigerated since collection, it is unlikely that exceedance of the 28-day sample holding time significantly impacted the accuracy of results obtained, or effected the conclusion that oil and grease limits were not exceeded.
6. One sample from flow path 001N was taken on July 8, 2005 for settleable solids analysis. The sample was received at the contract laboratory where it was to be analyzed later on that same day. However, the analysis was not performed until July 12, 2005; two days in excess of the 48-hour maximum holding time. The result of the

analysis was a non detect (< 0.1 ml/L). It is believed that exceeding the hold time at the laboratory had no significant effect on the result, because detectable settleable solids have not historically been observed in flow path 001N at Diablo Canyon Power Plant. Accordingly, it is unlikely that the monthly average limit of 1.0 ml/L or the daily maximum limit of 3.0 ml/L was approached in the sample, and results obtained are accurate.

7. On August 17, 2005, an unusually high Total Suspended Solids (TSS) value of 110 mg/l for 001N was detected. Other TSS values for 001N during August were <5 mg/l, 9 mg/l, and 6 mg/l. Therefore, the monthly average for August was well below the limit of 60 mg/l. Since, there is no maximum limit for TSS, and the monthly average remained well below the 60 mg/l limit, DCPD did not exceed the TSS limit during the month of August for 001N.

## **SUMMARY OF MONITORING PROGRAM**

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

1. The results of the July, August, and September 2005 plant influent and effluent monitoring are reported on Discharge Self Monitoring Report (DSMR) forms in **Appendices 2, 3, and 4**, respectively.
2. The laboratory report for one acute bioassay on water sampled from Discharge 001, performed August 17 - 21, 2005, is included in **Appendix 5**. The bioassay results show that acute toxicity was 0.00 TUa (no mortality).
3. The laboratory report for one chronic bioassay on water sampled from Discharge 001, performed August 18 - 20, 2005, is included in **Appendix 6**. The bioassay results show that chronic toxicity was 1.0 TUc (no chronic toxicity).

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

1. Ecological Studies at Diablo Canyon

Ecological studies in the vicinity of Diablo Cove conducted during the third 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 (CCRWQCB) 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. The RWMP replaces the EMP and the Thermal Effects Monitoring Program (TEMP).

2. In Situ Bioassay

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

### **C. Sodium Bromide Treatment Program**

Diablo Canyon Power Plant is continuing its use of generic sodium bromide to control macrofouling growth for both Units. Both circulating water conduits of each Unit can be chemically treated simultaneously. Each treated conduit typically receives a twenty-minute injection every four hours (six injections a day) of sodium bromide in combination with sodium hypochlorite (NaOCl). Each injection attempts to achieve a target



concentration of 200 parts per billion (ppb) Total Residual Oxidant (TRO) when measured at the inlet waterbox of the condenser. Discharge TRO, measured at the plant outfall, remains below NPDES limitations.

Both conduits of Unit 1 were treated with simultaneous injections of sodium bromide and sodium hypochlorite six times a day throughout the third quarter. There were two brief interruptions in August due to lack of chemical and operator error.

Both conduits of Unit 2 were treated through most of the third quarter with simultaneous injections of sodium bromide and sodium hypochlorite six times a day. There were two brief interruptions in August due to lack of chemical and operator error, and another longer interruption in mid-September while both Unit 2 conduits were manually cleaned.

D. Errata Information

In Diablo Canyon Power Plant's second quarter report, page M3 of the June DSMR contained an error. The flow-weighted monthly average for total suspended solids at discharge 001D had been incorrectly calculated. The value should have been 5 mg/l, not 11 mg/l as originally reported. A corrected DSMR form is included in **Appendix 7**.

**APPENDIX 1**

**DIABLO CANYON POWER PLANT**

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

**APPENDIX 2**  
**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**July 2005**

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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	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	51.7	71.6	19.9	2486				
2	52.1	72.1	20.0	2486				
3	52.3	72.2	19.9	2486				
4	52.2	72.2	20.0	2486				
5	51.5	71.4	19.9	2486				
6	51.0	70.8	19.8	2486				
7	51.2	71.1	19.9	2486	7.8	7.8		
8	51.3	71.2	19.9	2486				
9	51.4	70.9	19.5	2486				
10	51.0	70.9	19.9	2486				
11	50.5	70.4	19.9	2486			2	7.6
12	52.2	72.2	20.0	2486				2
13	52.6	72.6	20.0	2486				7.8
14	51.5	71.4	19.9	2486				
15	52.5	72.4	19.9	2486				
16	53.2	73.3	20.1	2486				
17	52.5	72.4	19.9	2486				
18	52.3	72.3	20.0	2486				
19	51.5	71.2	19.7	2486				
20	51.9	71.8	19.9	2486				
21	52.1	71.9	19.8	2486				
22	52.1	71.9	19.8	2486				
23	53.0	72.8	19.8	2486				
24	53.9	73.8	19.9	2486				
25	53.4	73.3	19.9	2486				
26	53.4	73.3	19.9	2486				
27	53.8	73.8	20.0	2486				
28	54.6	74.6	20.0	2486				
29	55.1	75.0	19.9	2486				
30	54.7	74.7	20.0	2486				
31	55	74.8	19.9	2486				
MONTHLY AVG	52.5	72.4	19.9	2486	7.8	7.8	7.6	7.6
MONTHLY HIGH	55.1	75.0	20.1	2486	7.8	7.8	7.6	7.6
MONTHLY LOW	50.5	70.4	19.5	2486	7.8	7.8	7.6	7.6
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 DEMUSSELLING.  
 \*\*\* DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER  
 DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT  
 DATE  
 Bryan Cunningham 10/19/2005

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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	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							31	432
2							31	432
3							26	432
4							29	432
5							26	432
6							26	418
7							26	403
8			3	ND(5)			29	403
9							26	403
10							32	403
11		7.8				ND(5)	35	403
12							26	408
13			3	ND(5)			26	442
14	7.9						32	475
15							35	353
16							18	475
17							20	475
18							22	497
19							24	518
20							26	547
21							42	576
22			3	ND(5)			50	576
23							42	576
24							35	576
25							32	576
26							32	576
27							29	586
28			3	ND(5)			24	605
29							18	629
30							17	662
31							17	670
MONTHLY AVG	7.9	7.8	ND(5)	NO	NO	ND(5)	29	496
MONTHLY HIGH	7.9	7.8	ND(5)	DISCHARGE	DISCHARGE	ND(5)	50	670
MONTHLY LOW	7.9	7.8	ND(5)			ND(5)	10	353
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	1 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.  
 \*\*\*\* CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS

PRINCIPAL EXECUTIVE OFFICER  
 DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT  
 DATE  
 Bryan Cunningham  
 10/19/2005

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

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3 402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	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 2nd FLTR GRAB MONTHLY mg/1 NET		
1								
2								
3								
4								
5								
6			2	38	2	3	2	36
7				4				ND(5)
8				1				ND(5)
9								
10								
11							2	7
12				1			2	< 1
13								2
14			2	37				6
15								
16								
17								
18								
19								
20								
21								
22			2	10			2	10
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO	NO			** <	5		6
MONTHLY HIGH	DISCHARGE	DISCHARGE				40		6
MONTHLY LOW						ND(5)		6
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 05 / 07 / 01			YEAR / MO / DAY ENDING 05 / 07 / 31			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET			EFFLUENT 001H SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET				
1								
2								
3				1	1	ND(5)		
4								
5								
6								
7								
8								
9								
10								
11	1			ND(5)				
12								
13								
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.

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3 402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J 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						
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			NO DISCHARGE		
MONTHLY HIGH						
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
81 HIGUERA  
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PAGE: (M) 6

FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31			06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L 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				2	<	1	2	ND(5)
12								
13								
14								
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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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	05 / 07 / 01	ENDING	05 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS mg/1 1st FLTR	EFFLUENT 001M SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	EFFLUENT 001N SUSPENDED SLDS mg/1 COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS mg/1 1st FLTR	EFFLUENT 001P SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1								
2								
3								
4								
5								
6								
7								
8				8				
9								
10								
11					2	1	ND(5)	
12								
13				11				
14								
15								
16								
17								
18								
19								
20								
21								
22				10				
23								
24								
25								
26								
27								
28				ND(5)				
29								
30								
31								
MONTHLY AVG			NO DISCHARGE	7			ND(5)	
MONTHLY HIGH				11			ND(5)	
MONTHLY LOW				ND(5)			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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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 BEGINNING			YEAR / MO / DAY ENDING			STATE CODE	NPDES PERMIT #		
3 402003001	05 / 07 / 01			05 / 07 / 31			06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 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 MONTHLY			GRAB MONTHLY						
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11	2	2	2	1	2	ND(5)				
12										
13										
14					2	7	2	3	2	ND(5)
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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	NO LIMIT	MO AVG 30 = 0	NO LIMIT	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
31 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 05 / 07 / 01      YEAR/MO/DAY ENDING 05 / 07 / 31      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS			EFFLUENT 001N SETTL SOLIDS	EFFLUENT 001 T CHROMIUM	EFFLUENT 001 COPPER	EFFLUENT 001 NICKEL	EFFLUENT 001 ZINC
	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	ml/1 GRAB	ug/1 GRAB	ug/1 GRAB	ug/1 GRAB	ug/1 GRAB

1								
2								
3								
4								
5								
6								
7					ND(10)	ND(10)	ND(10)	ND(10)
8				ND(0.1)				
9								
10								
11								
12								
13				ND(0.1)				
14								
15								
16								
17								
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19								
20								
21								
22				ND(0.1)				
23								
24								
25								
26								
27								
28				ND(0.1)				
29								
30								
31								

MONTHLY AVG			NO	ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH			DISCHARGE	ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	ND(10)	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  
  
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT      DATE  
  
*Bryan Carmona*      10/19/2005

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	05 / 07 / 01	ENDING	05 / 07 / 31	06	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								ND(5)
4								
5								
6								
7	ND(10)	ND(10)	ND(10)			7 ND(5) ND(5)		
8								
9								
10								
11							ND(5)	
12								
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14								
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16								
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21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND(10)	ND(10)	ND(10)	***	***	** < 5	ND(5)	ND(5)
MONTHLY HIGH	ND(10)	ND(10)	ND(10)			9	ND(5)	ND(5)
MONTHLY LOW	ND(10)	ND(10)	ND(10)			ND(5)	ND(5)	ND(5)
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 RESULT REPORTED.  
\*\*\* AMMONIA SAMPLED, ANALYZED, AND REPORTED IN AUGUST DUE TO EQUIPMENT PROBLEM.

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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 #		
3402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	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
1								
2								
3								
4								
5								
6								
7				ND(5)				
8								
9								
10								
11				ND(5)		ND(5)	2	ND(5)
12								
13								
14								ND(5)
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO	NO	NO	ND(5)	NO	ND(5)	ND(5)	ND(5)
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	ND(5)	DISCHARGE	ND(5)	ND(5)	ND(5)
MONTHLY LOW				ND(5)		ND(5)	ND(5)	ND(5)
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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. 3402003001	YEAR / MO / DAY BEGINNING 05 / 07 / 01	YEAR / MO / DAY ENDING 05 / 07 / 31	STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL 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						
6						
7						
8						
9						
10						
11	ND(5)					
12						
13						
14			ND(10) 2	ND(10)		
15				2	ND(10)	ND(10)
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	ND(5)	**	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH	ND(5)		ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW	ND(5)		ND(10)	ND(10)	ND(10)	ND(10)
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.  
\*\* TOXICITY SAMPLES COLLECTED AND ANALYZED IN AUGUST.

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #			
3402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 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	
1									
2									
3									
4									
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6									
7									
8									
9									
10									
11									
12									
13									
14	ND(10)	2	30		17	2	37		
15			2	ND(10)	ND(10)		2	ND(10)	
16								12	
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	ND(10)	30	ND(10)	ND(10)	17	37	ND(10)	12	
MONTHLY HIGH	ND(10)	44	ND(10)	ND(10)	17	40	ND(10)	12	
MONTHLY LOW	ND(10)	16	ND(10)	ND(10)	17	33	ND(10)	12	
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005



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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #				
3402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	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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11										
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13										
14	ND(10)	2	ND(10)							
15			2	ND(10)	ND(10)					
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28					0.2	2	0.2	2	ND(0.1)	ND(0.1)
29										
30										
31										
MONTHLY AVG	ND(10)	ND(10)	ND(10)	ND(10)	0.2	0.2	ND(0.1)	ND(0.1)		
MONTHLY HIGH	ND(10)	ND(10)	ND(10)	ND(10)	0.2	0.4	ND(0.1)	ND(0.1)		
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(10)	0.2	ND(0.1)	ND(0.1)	ND(0.1)		
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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 05 / 07 / 01		YEAR / MO / DAY ENDING 05 / 07 / 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	26	2	19							
15			2	ND(10)	25					
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28					ND(1)	2	ND(1)	2	ND(1)	ND(1)
29										
30										
31										
MONTHLY AVG	26	19	ND(10)	25	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	
MONTHLY HIGH	26	19	ND(10)	25	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	
MONTHLY LOW	26	19	ND(10)	25	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	
TIMES EXCEEDED	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.

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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 55  
AVILA BEACH, CALIF 93424

PAGE: (Q) 7

FACILITY I.D. 3402003001      YEAR / MO / DAY BEGINNING 05 / 07 / 01      YEAR / MO / DAY ENDING 05 / 07 / 31      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SNPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/API/JUL/OCT
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14	260	2	20	2
15				ND(10)
16				18
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
MONTHLY AVG	260	20	ND(10)	18
MONTHLY HIGH	260	22	ND(10)	18
MONTHLY LOW	260	17	ND(10)	18
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Conroy</i>	10/19/2005

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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	CA0003751
STATION ANALYSIS UNITS SAMPL 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						
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21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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 05 / 07 / 01      YEAR / MO / DAY ENDING 05 / 07 / 31      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL 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					
11					
12					
13					
14					
15					
16					
17					
18					
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20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SAMPL 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								
6								
7								ND(10)
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								** 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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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  
AVILA BEACH, CALIF 93424

PAGE: (A) 2

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 05 / 07 / 01		YEAR / MO / DAY ENDING 05 / 07 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL 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									
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10									
11									
12									
13									
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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 05 / 07 / 01		YEAR / MO / DAY ENDING 05 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL 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							
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6							
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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005



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  
AVILA BEACH, CALIF 93424

PAGE: (A) 4

FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 05 / 07 / 01		YEAR / MO / DAY ENDING 05 / 07 / 31		STATE CODE 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							
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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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	05 / 07 / 01	ENDING	05 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE %	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg	EFFLUENT 001N SLUDGE pH pH units	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg	EFFLUENT 001N SLUDGE BORON mg/kg
	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	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	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 07 / 01	ENDING	05 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB	EFFLUENT 001N SLUDGE VOLUME tons
	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	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	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

**APPENDIX 3**

**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**August 2005**

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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AVILA BEACH, CALIF 93424

PAGE: (M) 1

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 05 / 08 / 01		YEAR / MO / DAY ENDING 05 / 08 / 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	55.3	75.2	19.9	2486				
2	56.0	75.9	19.9	2486				
3	56.7	76.8	20.1	2486				
4	55.5	75.6	20.1	2486				
5	54.9	74.9	20.0	2486				
6	55.6	75.5	19.9	2486				
7	56.5	76.5	20.0	2486				
8	56.4	76.4	20.0	2486				
9	56.2	76.3	20.1	2486				
10	56.4	76.2	19.8	2486			2	7.7
11	57.1	77.0	19.9	2486				2
12	56.8	76.8	20.0	2486				
13	56.7	76.8	20.1	2486				
14	56.3	76.4	20.1	2486				
15	56.2	76.3	20.1	2486				
16	56.4	76.5	20.1	2486				
17	56.9	76.9	20.0	2486				
18	57.1	77.3	20.2	2486	7.9	7.9		
19	56.6	76.9	20.3	2486				
20	56.2	76.4	20.2	2486				
21	55.2	75.3	20.1	2486				
22	53.3	73.8	20.5	2486				
23	55.2	75.6	20.4	2486				
24	56.0	76.6	20.6	2486				
25	55.5	75.8	20.3	2486				
26	55.1	75.3	20.2	2486				
27	54.3	74.4	20.1	2486				
28	54.0	74.1	20.1	2486				
29	53.5	73.7	20.2	2486				
30	53.4	73.7	20.3	2486				
31	55	75.5	20.2	2486				
MONTHLY AVG	55.7	75.8	20.1	2486	7.9	7.9	7.7	8.0
MONTHLY HIGH	57.1	77.3	20.6	2486	7.9	7.9	7.7	8.0
MONTHLY LOW	53.3	73.7	19.8	2486	7.9	7.9	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 DEMUSSELING.  
\*\*\* DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	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
0								
1			3	ND(5)			14	677
2							15	677
3							< 10	168
4							26	366
5							26	677
6							.22	677
7							18	677
8							14	677
9						ND(5)	12	677
10	8.0	8.0					< 10	706
11							18	734
12			3	ND(5)			22	734
13							20	734
14							20	734
15							20	725
16							24	706
17			3	ND(5)			24	706
18							29	706
19							42	706
20							31	706
21							32	706
22							38	706
23							42	706
24							26	706
25			3	ND(5)			46	706
26							60	698
27							46	691
28							46	691
29							46	662
30							38	634
31							20	634
MONTHLY AVG	8.0	8.0	ND(5)	NO	NO	ND(5)	27	668
MONTHLY HIGH	8.0	8.0	ND(5)	DISCHARGE	DISCHARGE	ND(5)	60	734
MONTHLY LOW	8.0	8.0	ND(5)			ND(5)	< 10	168
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.  
 \*\*\*\* CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS

PRINCIPAL EXECUTIVE OFFICER  
 DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT  
 Bryan Cunningham  
 DATE  
 10/19/2005

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 #				
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	CA0003751				
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	mg/1 1st FLTR	EFFLUENT 001D SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	EFFLUENT 001F SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
0										
1										
2			1		ND(5)					
3										
4			2	6	2 < 1	2	6			
5										
6										
7										
8										
9						2	5	2 < 1	2	5
10										
11			2	89		2	89			
12			2	3		2	ND(5)			
13										
14										
15										
16										
17				5			5			
18				1	1		ND(5)			
19				4			ND(5)			
20										
21										
22			2	16	< 1	2	16			
23										
24				6			6			
25										
26										
27										
28										
29										
30										
31										
MONTHLY AVG	NO	NO			** <	5				5
MONTHLY HIGH	DISCHARGE	DISCHARGE				92				5
MONTHLY LOW						ND(5)				5
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	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  
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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FACILITY I.D.	YEAR / MO / DAY BEGINNING			YEAR / MO / DAY ENDING			STATE CODE	NPDES PERMIT #
3402003001	05 / 08 / 01			05 / 08 / 31			06	CA0003751
STATION ANALYSIS UNITS SNPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H 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				
0	*	*	*	*	*	*	*	*
1				< 1	< 1		ND(5)	
2								
3								
4								
5								
6								
7								
8								
9								
10	1							
11			ND(5)					
12								
13								
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005



CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31		06	CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J 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		
0								
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	NO DISCHARGE			NO DISCHARGE				
MONTHLY HIGH								
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
DAVID H. OATLEY

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<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
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FACILITY I.D.	YEAR / MO / DAY BEGINNING			YEAR / MO / DAY ENDING			STATE CODE	NPDES PERMIT #
3 402003001	05 / 08 / 01			05 / 08 / 31			06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L 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		
0	*	*	*	*	*	*	*	*
1								
2								
3								
4								
5								
6								
7								
8								
9								
10				2 <	1	2 <	1	2 ND(5)
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31		06	CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS	EFFLUENT 001P SUSPENDED SOLIDS			
	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	mg/l COMPOSITE WEEKLY	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	
	GRAB MONTHLY				GRAB MONTHLY			
0	*	*	*	*	*	*	*	
1				ND(5)				
2								
3								
4								
5								
6								
7								
8								
9								
10					8	1	7	
11								
12				9				
13								
14								
15								
16								
17				110				
18								
19								
20								
21								
22								
23								
24								
25				6				
26								
27								
28								
29								
30								
31								
MONTHLY AVG			NO	31			7	
MONTHLY HIGH			DISCHARGE	110			7	
MONTHLY LOW				ND(5)			7	
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
DAVID H. OATLEY

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<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #			
3402003001	BEGINNING	05 / 08 / 01		ENDING	05 / 08 / 31		06	CA0003751			
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					
0	*	*	*	*	*	*	*				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10	2	3	2	1	2	ND(5)	2	7	2	2	5
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MONTHLY AVG						ND(5)					5
MONTHLY HIGH						ND(5)					5
MONTHLY LOW						ND(5)					5
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30 = 0	D MAX 100 = 0
TIMES EXCEEDED			D MAX 100 = 0								
TIMES EXCEEDED											

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

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31				06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS			EFFLUENT 001N SETTLE SOLIDS	EFFLUENT 001 T CHROMIUM	EFFLUENT 001 COPPER	EFFLUENT 001 NICKEL	EFFLUENT 001 ZINC	
	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	m/l GRAB	ug/l GRAB	ug/l GRAB	ug/l GRAB	ug/l GRAB	ug/l GRAB
	WEEKLY WHEN 001N & 001P => 003			WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
0									
1				ND(0.1)					
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12				ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
13									
14									
15									
16									
17				ND(0.1)					
18									
19									
20									
21									
22									
23									
24									
25				ND(0.1)					
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO			ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH	DISCHARGE			ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
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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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	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
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11	ND(10)	ND(10)	ND(10)					
12								
13								
14								
15								
16								
17								
18				ND(200)	ND(200)			
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)	ND(5)		
MONTHLY HIGH	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	ND(5)		
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	ND(5)		
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
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FACILITY I.D. 3402003001      YEAR / MO / DAY BEGINNING 05 / 08 / 01      YEAR / MO / DAY ENDING 05 / 08 / 31      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/API/JUL/OCT
0	*	*	*	*	*	*	*	*
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	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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FACILITY I.D.	YEAR / MO / DAY BEGINNING	YEAR / MO / DAY ENDING	STATE CODE	NPDES PERMIT #		
3402003001	05 / 08 / 01	05 / 08 / 31	06	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
0	*	*	*	*	*	*
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17		0.00				
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG		0.00				
MONTHLY HIGH		0.00				
MONTHLY LOW		0.00				
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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SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005



CALIFORNIA REGIONAL WATER QUALITY  
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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/API/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/API/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/API/JUL/OCT
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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 05 / 08 / 01		YEAR / MO / DAY ENDING 05 / 08 / 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	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

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<i>Bryan Cunningham</i>	10/19/2005

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	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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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
DAVID H. OATLEY

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3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	CA0003751
STATION ANALYSIS UNITS SMP L 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 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
DAVID H. OATLEY

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	CA0003751
STATION ANALYSIS UNITS SAMPL 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	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
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
DAVID H. OATLEY

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<i>Bryan Cunningham</i>	10/19/2005

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FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 05 / 08 / 01		YEAR / MO / DAY ENDING 05 / 08 / 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 MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	

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

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 05 / 08 / 01		YEAR / MO / DAY ENDING 05 / 08 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL 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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MONTHLY AVG								** 23
MONTHLY HIGH								23
MONTHLY LOW								23
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	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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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
DAVID H. OATLEY

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	CA0003751	
STATION ANALYSIS UNITS SMP L 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 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
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<i>Bryan Cunningham</i>	10/19/2005

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	
3402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 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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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
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FACILITY I.D. 3402003001      YEAR / MO / DAY BEGINNING 05 / 08 / 01      YEAR / MO / DAY ENDING 05 / 08 / 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 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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3 402003001	BEGINNING	05 / 08 / 01	ENDING	05 / 08 / 31	06	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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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

**APPENDIX 4**

**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**September 2005**

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
31 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 05 / 09 / 01      YEAR / MO / DAY ENDING 05 / 09 / 30      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL 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	56.5	76.9	20.4	2486					
2	56.1	76.6	20.5	2486			2	7.7	
3	55.7	76.3	20.6	2486				2	7.9
4	55.4	75.8	20.4	2486					
5	54.7	75.2	20.5	2486					
6	55.3	75.6	20.3	2486					
7	54.6	75.1	20.5	2486					
8	54.6	75.0	20.4	2486					
9	56.3	77.1	20.8	2486					
10	55.7	75.0	19.3	2486					
11	55.5	75.8	20.3	2486					
12	54.7	75.1	20.4	2486					
13	53.9	74.1	20.2	1914					
14	53.7	74.2	20.5	1862					
15	53.6	71.9	18.3	1862					
16	53.8	61.7	7.9	1862					
17	52.5	67.4	14.9	1862					
18	52.2	71.0	18.8	2330					
19	53.9	73.8	19.9	2486					
20	54.4	74.5	20.1	2486					
21	53.6	74.1	20.5	2486					
22	53.7	74.2	20.5	2486	7.9	7.9			
23	53.2	73.4	20.2	2486					
24	53.0	73.3	20.3	2486					
25	54.2	74.7	20.5	2486					
26	53.0	73.0	20.0	2486					
27	53.4	73.8	20.4	2486					
28	52.5	72.7	20.2	2486					
29	52.9	72.9	20.0	2486					
30	52.9	73.1	20.2	2486					
31									
MONTHLY AVG	54.2	73.8	19.6	2379	7.9	7.9	7.7	7.9	
MONTHLY HIGH	56.5	77.1	20.8	2486	7.9	7.9	7.7	7.9	
MONTHLY LOW	52.2	61.7	7.9	1862	7.9	7.9	7.7	7.9	
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  
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/19/2005

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	05 / 09 / 01	ENDING	05 / 09 / 30	06	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 lb/day RECORDED MONTHLY
1	8.0	8.0	3	ND(5)			32	634
2						ND(5)	38	634
3							42	634
4							35	634
5							38	634
6							38	648
7							46	662
8							50	662
9			3	ND(5)			35	662
10							38	662
11							46	662
12							42	576
13							61	490
14			3	ND(5)			56	475
15							17	461
16							19	461
17							14	461
18							32	514
19							26	619
20							20	619
21			3	ND(5)			20	619
22							31	619
23							42	619
24							42	619
25							38	619
26							35	590
27			3	ND(5)			29	562
28							31	547
29							35	533
30							46	518
31								
MONTHLY AVG	8.0	8.0	ND(5)	NO	NO	ND(5)	36	588
MONTHLY HIGH	8.0	8.0	ND(5)	DISCHARGE	DISCHARGE	ND(5)	61	662
MONTHLY LOW	8.0	8.0	ND(5)			ND(5)	< 10	461
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	1 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.  
 \*\*\*\* CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS

PRINCIPAL EXECUTIVE OFFICER  
 DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT  
 DATE  
 Bryan Cunningham 10/19/2005

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 #						
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	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			2	6	2	6	2	4	2	1	2	ND(5)
3												
4												
5												
6				1		ND(5)						
7												
8			3	< 5	3	** < 5						
9												
10												
11												
12												
13												
14				2		ND(5)						
15												
16												
17				4		ND(5)						
18				1		ND(5)						
19												
20												
21			3	5	3	** 5						
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE			** <	5						ND(5)
MONTHLY HIGH						67						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	NO LIMIT	NO LIMIT	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005



CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	05 / 09 / 01		ENDING	05 / 09 / 30		06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE REQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H 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	1		ND(5)	1	< 1	ND(5)		
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			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
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CALIFORNIA REGIONAL WATER QUALITY  
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FACILITY I.D.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	05 / 09 / 01		05 / 09 / 30		06	CA0003751
STATION ANALYSIS UNITS SAMPL 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						
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			NO DISCHARGE		
MONTHLY HIGH						
MONTHLY LOW						
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0 MAX 100 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0 MAX 100 = 0
TIMES EXCEEDED						
TIMES EXCEEDED						

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

PRINCIPAL EXECUTIVE OFFICER
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CALIFORNIA REGIONAL WATER QUALITY  
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81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

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PO BOX 56  
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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	05 / 09 / 01		ENDING	05 / 09 / 30		06	CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L 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 MONTHLY			GRAB MONTHLY				
1								
2				2	<	1	2	ND(5)
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	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
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<i>Bryan Cunningham</i>	10/19/2005

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.  
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FACILITY I.D. 3402003001  
YEAR / MO / DAY BEGINNING 05 / 09 / 01  
YEAR / MO / DAY ENDING 05 / 09 / 30  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL 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				6			
2					2	1	ND(5)
3							
4							
5							
6							
7							
8							
9				12			
10							
11							
12							
13							
14	10	< 1	10	12			
15							
16							
17							
18							
19							
20							
21				12			
22							
23							
24							
25							
26							
27				8			
28							
29							
30							
31							
MONTHLY AVG			10	10			ND(5)
MONTHLY HIGH			10	12			ND(5)
MONTHLY LOW			10	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  
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*Bryan Cunningham*  
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10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3402003001      YEAR / MO / DAY BEGINNING 05 / 09 / 01      YEAR / MO / DAY ENDING 05 / 09 / 30      STATE CODE 06      NPDES PERMIT # CA0003751

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	2	2	1	2	ND(5)	2	13	2	2	2	11
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						ND(5)						11
MONTHLY HIGH						ND(5)						11
MONTHLY LOW						ND(5)						11
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0						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
DAVID H. OATLEY

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<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30			06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS			EFFLUENT 001N SETTLE SOLIDS	EFFLUENT 001 T CHROMIUM	EFFLUENT 001 COPPER	EFFLUENT 001 NICKEL	EFFLUENT 001 ZINC	
	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	m/l GRAB WEEKLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY
	WEEKLY WHEN 001N & 001P => 003								
1				ND(0.1)					
2									
3									
4									
5									
6									
7									
8									
9				ND(0.1)					
10									
11									
12									
13									
14				ND(0.1)					
15									
16									
17									
18									
19									
20									
21				ND(0.1)					
22					ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
23									
24									
25									
26									
27				ND(0.1)					
28									
29									
30									
31									
MONTHLY AVG	NO			ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH	DISCHARGE			ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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  
AVILA BEACH, CALIF 93424

PAGE: (Q) 1

FACILITY I.D. 3402003001      YEAR / MO / DAY BEGINNING 05 / 09 / 01      YEAR / MO / DAY ENDING 05 / 09 / 30      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								
14								
15								
16								
17						ND(5)		
18								
19								
20								
21								
22	ND(10)	ND(10)	ND(10)					
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND(10)	ND(10)	ND(10)			ND(5)		
MONTHLY HIGH	ND(10)	ND(10)	ND(10)			ND(5)		
MONTHLY LOW	ND(10)	ND(10)	ND(10)			ND(5)		
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 RESULT REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT      DATE  
*Bryan Cunningham*      10/19/2005

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) 2

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	CAD003751		
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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MONTHLY AVG						ND(5)		
MONTHLY HIGH						ND(5)		
MONTHLY LOW						ND(5)		
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005



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

PAGE: (Q) 3

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	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
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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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  
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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SAMPL 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.

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	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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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001      YEAR / MO / DAY BEGINNING 05 / 09 / 01      YEAR / MO / DAY ENDING 05 / 09 / 30      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								
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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 #
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	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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MONTHLY AVG						
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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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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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AVILA BEACH, CALIF 93424

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FACILITY I.D.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3402003001	05 / 09 / 01		05 / 09 / 30		06	CAD003751
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	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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 05 / 09 / 01  
YEAR / MO / DAY ENDING 05 / 09 / 30  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SNPL 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	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE
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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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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AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMP L TYPE FREQ.	EFFLUENT 001 TITANIUM ug/1 GRAB OCTOBER	INFLUENT ARSENIC ug/1 GRAB OCTOBER	EFFLUENT ARSENIC ug/1 GRAB OCTOBER	INFLUENT CADMIUM ug/1 GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/1 GRAB OCTOBER	INFLUENT LEAD ug/1 GRAB OCTOBER	EFFLUENT 001 LEAD ug/1 GRAB OCTOBER	INFLUENT ZINC ug/1 GRAB OCTOBER
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MONTHLY AVG							**	10
MONTHLY HIGH								10
MONTHLY LOW								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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005



CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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PAGE: (A) 2

FACILITY I.D. 3402003001      YEAR / MO / DAY BEGINNING 05 / 09 / 01      YEAR / MO / DAY ENDING 05 / 09 / 30      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/1 GRAB OCTOBER	EFFLUENT 001 MERCURY ug/1 GRAB OCTOBER	INFLUENT SILVER ug/1 GRAB OCTOBER	EFFLUENT 001 SILVER ug/1 GRAB OCTOBER	INFLUENT CYANIDE ug/1 GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/1 GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER
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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
DAVID H. DATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	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		1MAX 50=0					

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

PRINCIPAL EXECUTIVE OFFICER
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 05 / 09 / 01		YEAR / MO / DAY ENDING 05 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL 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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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	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
31 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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	05 / 09 / 01	ENDING	05 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE %	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg	EFFLUENT 001N SLUDGE pH pH units	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg	EFFLUENT 001N SLUDGE BORON mg/kg
	GRAB OCTOBER	GRAB OCTOBER	GRAB OCTOBER	GRAB OCTOBER	GRAB OCTOBER	GRAB OCTOBER	GRAB OCTOBER	GRAB 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	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

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 55  
AVILA BEACH, CALIF 93424

PAGE: (A) 6

FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 05 / 09 / 01		YEAR / MO / DAY ENDING 05 / 09 / 30		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	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
DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/19/2005

**APPENDIX 5**  
**DIABLO CANYON POWER PLANT**  
**Acute Bioassay**  
**August 17 - 21, 2005**



ENV. OPS  
**RECEIVED**  
9/23/05  
/ms

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

September 7, 2005

Ms. Vicki Ziegler  
FGL Environmental  
P.O. Box 272  
Santa Paula, CA 93061

Dear Ms. Ziegler:

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:	PG&E Diablo Canyon
SAMPLE I.D.:	PG&E Diablo Canyon - Discharge 001 SP508490
DATE RECEIVED:	17 Aug - 05
ABC LAB. NO.:	FGL0805.252

**ACUTE ABALONE SURVIVAL BIOASSAY**

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

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

**-96 Hr Survival**

Start Date: 8/17/2005	Test ID: FGL0805252	Sample ID: CA0000000
End Date: 8/21/2005	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 8/16/2005	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP508490		

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	1.0000	1.0000
100	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	1.0000	1.0000

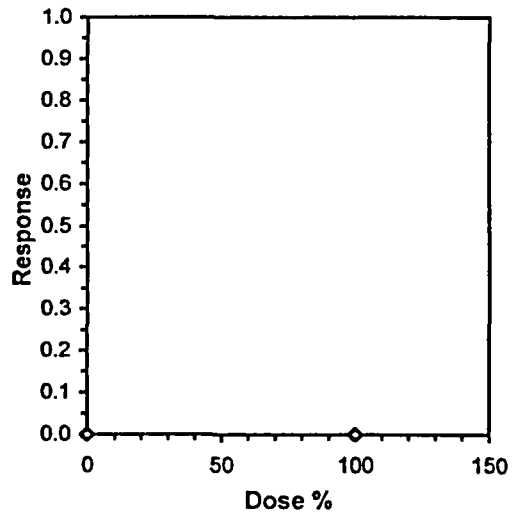
**Auxiliary Tests**

Normality of the data set cannot be confirmed  
 Equality of variance cannot be confirmed

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

**Linear Interpolation (200 Resamples)**

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

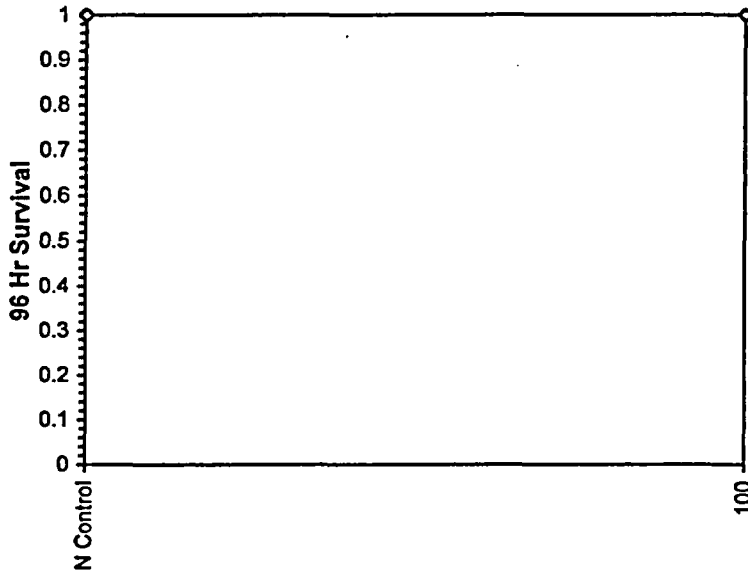




-96 Hr Survival

Start Date: 8/17/2005	Test ID: FGL0805252	Sample ID: CA0000000
End Date: 8/21/2005	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 8/16/2005	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP508490		

Dose-Response Plot



**-96 Hr Survival**

Start Date: 8/17/2005	Test ID: FGL0805252	Sample ID: CA0000000
End Date: 8/21/2005	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 8/16/2005	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP508490		

**Auxiliary Data Summary**

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	13.90	13.70	14.30	0.23	3.46	10
100		14.02	13.70	14.50	0.31	3.96	10
N Control	pH	7.80	7.80	7.80	0.00	0.00	10
100		7.83	7.80	7.90	0.05	2.81	10
N Control	DO mg/L	7.67	7.60	7.80	0.07	3.39	10
100		7.63	7.40	7.80	0.13	4.79	10
N Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	10
100		34.00	34.00	34.00	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



# Subcontract Chain of Custody

**CLIENT DETAILS:**  
 Client: FGL Environmental  
 Address: 853 Corporation Street  
Santa Paula, CA 93061  
 Phone: (805) 659-0910 Fax: (805) 525-4172  
 Project: 500490 Contact Person: \_\_\_\_\_

**REPORT INFORMATION:**  
 Rush Analysis:  5 days  4 days  3 days  2 days  24 hours  
 Electronic Data Transfer: YES / NO  
 If yes, To: State \_\_\_\_\_ Client \_\_\_\_\_ Other \_\_\_\_\_

**REMARKS:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SAMPLING:**  
 Sampler(s) Jim Smith  
 \_\_\_\_\_  
 \_\_\_\_\_

Sample Number	Location/Description	Date Sampled	Time Sampled	Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metals Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water (MW) Monitoring Well (GW) Ground Water (TB) Travel Blank (WW) Waste Water (DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	Preservative: (1) NaOH + ZnAc (2) NaOH (3) HCl (4) H2SO4 (5) HNO3 (6) Na2S2O3 (7) Other _____	ANALYSIS REQUESTED	Acute Toxicity (Invertebrate Red Abalone)	Chronic Toxicity (Larval Red Abalone)
01	DCPP 001 Discharge	8-17-05	0845	G	1	P	NP	WW	-	-		X	
02	" "	↓	0845	↓	↓	P	NP	WW	-	-		X	

**CUSTODY:**  
 Relinquished by: [Signature] Date: 8/17/05 Time: \_\_\_\_\_ Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: [Signature] Date: 8/17/05 Time: 1600 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



CLIENT DETAILS SECTION I

Client: PG&E Diablo Canyon
Address: PO Box 56, Avila Beach, CA 93424
Phone: (805) 545-3471
FAX: (805) 545-3065
Project name: Quarterly Toxicity
Contact person: Donnie Shaffer

SAMPLING SECTION II

Sampler(s): Jim Smith
Comp Sampler Set up Date: 8-16-05 Time: 0800
Shipping Charge: Pickup Charge:

REPORT INFORMATION SECTION III

Rush Analysis (surcharge will apply):
5 Day 4 Day 3 Day
2 Day 24 hour
Lab number: 578210

SAMPLE INFORMATION SECTION IV

Table with columns: Sample Number, Location/Description, Date Sampled, Time Sampled, Type of Sampling, Number of Containers, Type of Containers, (P) Potable (NP) Non-Potable, (SW) Surface Water, (GW) Ground Water, (WW) Wastewater, (S) Soil (SLG) Sludge (SLD) Solid (O) Oil, BacT: (Sys) System (SRC) Source (W) Waste, BacT: Routine (ROUT) Repeat (RPT) Other (OTH) Replace (RPL), (LT) Leaf Tissue (PET) Petiole Tissue (PRD) Produce, Preservative: (1) NaOH + ZnAc, (2) NaOH, (3) HCl, (4) H2SO4, (5) HNO3, (6) Na2S2O3, (7) Other. Includes handwritten notes: Acute Toxicity - Juvonite, Chronic Toxicity - Red Abalone, Red Abalone - Larval.

REMARKS SECTION V

Blank remarks section.

CUSTODY SECTION VI

Relinquished by and subject to the terms and conditions on the reverse of this document:
Relinquished by: Jim Smith Date: 8-17-05 Time: 11:00
Received by: Date: 8-17-05 Time: 11:00
Relinquished by: Date: 8/17/05 Time: 4:25
Received by: Date: 8/17/05 Time: 11:00

**APPENDIX 6**

**DIABLO CANYON POWER PLANT**

**Chronic Bioassay**

**August 18 - 20, 2005**



ENV. OPS  
**RECEIVED**  
9/21/05  
JMD

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

September 7, 2005

Ms. Vicki Ziegler  
FGL Environmental  
P.O. Box 272  
Santa Paula, CA 93060

Dear Ms. Ziegler:

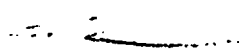
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms, EPA-R-95/136*. Results were as follows:

CLIENT:	PGE Diablo Canyon
SAMPLE I.D.:	PGE Diablo Canyon - Discharge 001 SP508490
DATE RECEIVED:	17 Aug - 05
ABC LAB. NO.:	FGL0805.252

**CHRONIC ABALONE LARVAL DEVELOPMENT BIOASSAY**

NOEC =	100.00 %
TUc =	1.00
IC25 =	>100.00 %
IC50 =	>100.00 %

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/18/2005	Test ID: FGL0805252	Sample ID: CA0000000
End Date: 8/20/2005	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 8/17/2005	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: DCPD 001 Discharge SP 508490		

Conc-%	1	2	3	4	5
N Control	1.0000	1.0000	1.0000	1.0000	1.0000
10	1.0000	1.0000	1.0000	1.0000	1.0000
18	1.0000	1.0000	1.0000	1.0000	1.0000
32	1.0000	1.0000	1.0000	1.0000	1.0000
56	1.0000	1.0000	1.0000	1.0000	1.0000
100	1.0000	1.0000	1.0000	1.0000	1.0000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root				N	Rank Sum	1-Tailed Critical	Isotonic	
			Mean	Min	Max	CV%				Mean	N-Mean
N Control	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5			1.0000	1.0000
10	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
18	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
32	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
56	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
100	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
-----------------	-----------	----------	------	------

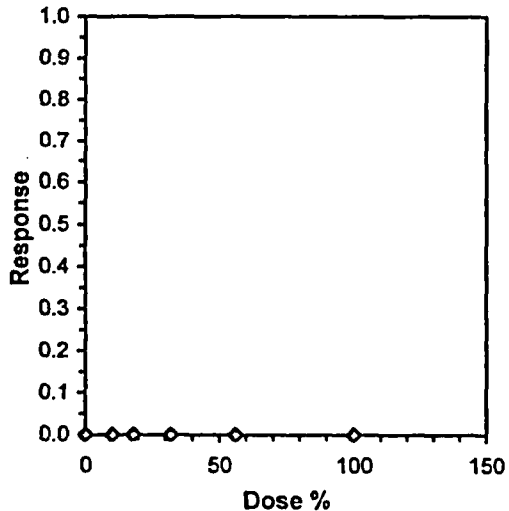
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	1	0.9		
Equality of variance cannot be confirmed				

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
--------------------------------	------	------	-----	----

Steel's Many-One Rank Test	100	>100		1
----------------------------	-----	------	--	---

Treatments vs N Control	Linear Interpolation (200 Resamples)			
Point	%	SD	95% CL(Exp)	Skew

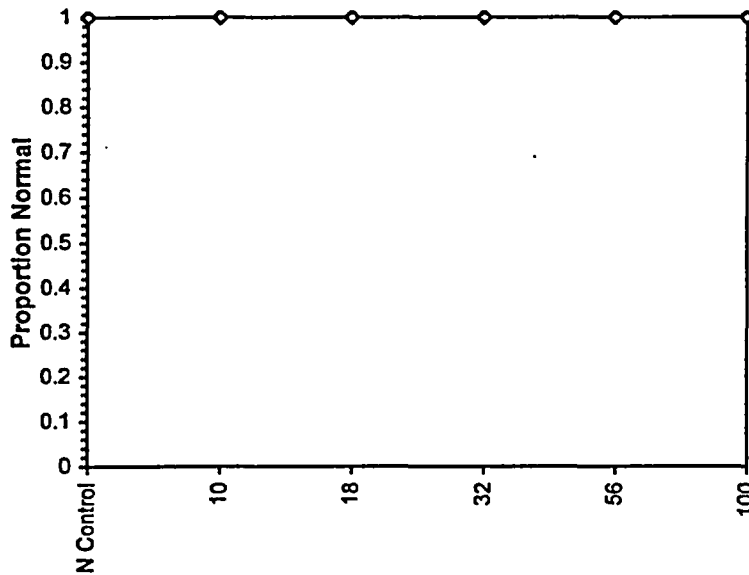
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/18/2005	Test ID: FGL0805252	Sample ID: CA0000000
End Date: 8/20/2005	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 8/17/2005	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: DCPD 001 Discharge SP 508490		

**Dose-Response Plot**





**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/18/2005	Test ID: FGL0805252	Sample ID: CA0000000
End Date: 8/20/2005	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 8/17/2005	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: DCPD 001 Discharge SP 508490		

**Auxiliary Data Summary**

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	15.45	15.30	15.60	0.21	2.98	2
10		15.30	15.30	15.30	0.00	0.00	2
18		15.45	15.30	15.60	0.21	2.98	2
32		15.45	15.30	15.60	0.21	2.98	2
56		15.45	15.30	15.60	0.21	2.98	2
100		15.45	15.30	15.60	0.21	2.98	2
N Control	pH	8.05	8.00	8.10	0.07	3.30	2
10		8.05	8.00	8.10	0.07	3.30	2
18		8.05	8.00	8.10	0.07	3.30	2
32		8.05	8.00	8.10	0.07	3.30	2
56		8.05	8.00	8.10	0.07	3.30	2
100		8.05	8.00	8.10	0.07	3.30	2
N Control	DO	6.40	5.60	7.20	1.13	16.62	2
10		6.40	5.80	7.00	0.85	14.39	2
18		6.40	5.80	7.00	0.85	14.39	2
32		6.35	5.80	6.90	0.78	13.89	2
56		6.35	5.80	6.90	0.78	13.89	2
100		6.20	5.60	6.80	0.85	14.86	2
N Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	2
10		34.00	34.00	34.00	0.00	0.00	2
18		34.00	34.00	34.00	0.00	0.00	2
32		34.00	34.00	34.00	0.00	0.00	2
56		34.00	34.00	34.00	0.00	0.00	2
100		34.00	34.00	34.00	0.00	0.00	2



# Subcontract Chain of Custody

**CLIENT DETAILS:**

Client: FGL Environmental  
 Address: 853 Corporation Street  
Santa Paula, CA 93061  
 Phone: (805) 659-0910 Fax: (805) 525-4172  
 Project: 500490 Contact Person: \_\_\_\_\_

**REPORT INFORMATION:**

Rush Analysis:  5 days  4 days  3 days  2 days  24 hours

Electronic Data Transfer: YES / NO

If yes, To: State \_\_\_\_\_ Client \_\_\_\_\_ Other \_\_\_\_\_

**REMARKS:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SAMPLING:**

Sampler(s) Jim Smith  
 \_\_\_\_\_  
 \_\_\_\_\_

Sample Number	Location/Description	Date Sampled	Time Sampled	Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metals Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water (MW) Monitoring Well (GW) Ground Water (TB) Travel Blank (WW) Waste Water (DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	Preservative: (1) NaOH + ZnAc (2) NaOH (3) HCl (4) H2SO4 (5) HNO3 (6) Na2S2O3 (7) Other _____	ANALYSIS REQUESTED	Acute Toxicity (Survival Red Analyte)	Chronic Toxicity (Survival Red Analyte)
01	DCPP 001 Discharge	8-17-05	0845	G	1	P	NP	WW	-	-		X	
02	" "	↓	0845	↓	↓	P	NP	WW	-	-		X	

**CUSTODY:**

Relinquished by: [Signature] Date: 8/17/05 Time: \_\_\_\_\_ Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: [Signature] Date: 8/17/05 Time: 1600 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

**CHRONIC ABALONE DEVELOPMENT BIOASSAY**


DATE: 18 Aug - 05

STANDARD TOXICANT: Zinc

NOEC = 32.00 ug/l

IC25 = 38.27 ug/l  
IC50 = 44.53 ug/l

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

29 NORTH OLIVE STREET, VENTURA, CA 93001 • (805) 643-5621

**Abalone Larval Development Test-Proportion-Normal**

Start Date: 8/18/2005      Test ID: ABS45.2005      Sample ID: REF-Réf Toxicant  
 End Date: 8/20/2005      Lab ID: ABC LABS      Sample Type: ZNSO-Zinc sulfate  
 Sample Date: 8/18/2005      Protocol: EPA/800/R-95,135,1995      Test Species: HR-Haliotis rufescens  
 Comments: Standard Toxicant

Conc.ug/L	1	2	3	4	5
Control	1.0000	1.0000	0.9200	1.0000	1.0000
18	1.0000	1.0000	1.0000	1.0000	1.0000
32	1.0000	1.0000	1.0000	1.0000	1.0000
56	0.0000	0.0000	0.0500	0.0000	0.1600
100	0.0000	0.0000	0.0000	0.0000	0.0000
180	0.0000	0.0000	0.0000	0.0000	0.0000

Conc.ug/L	Mean	N-Mean	Transform: Arcsin Square Root				N	Rank Sum	1-Tailed Critical	Isotonic	
			Mean	Min	Max	CV%				Mean	N-Mean
Control	0.9840	1.0000	1.4734	1.2840	1.5208	7.185	5			0.9947	1.0000
18	1.0000	1.0163	1.5208	1.5208	1.5208	0.000	5	30.00	17.00	0.9947	1.0000
32	1.0000	1.0163	1.5208	1.5208	1.5208	0.000	5	30.00	17.00	0.9947	1.0000
56	0.0420	0.0427	0.1574	0.0500	0.4115	102.335	5	15.00	17.00	0.0420	0.0422
100	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5			0.0000	0.0000
180	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5			0.0000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01)	0.8362	0.868	0.56093	3.42005

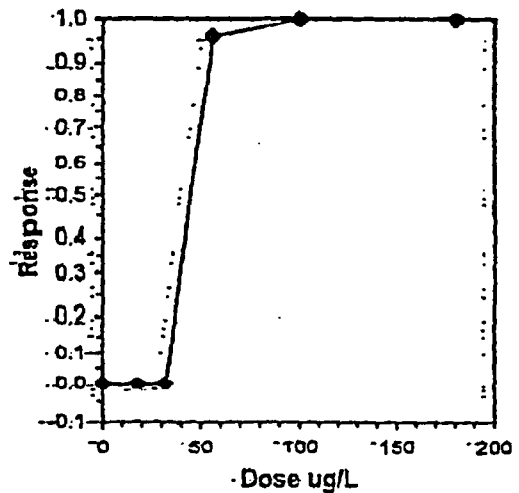
Equality of variance cannot be confirmed

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	32	56	42.332	

Treatments vs Control

Linear Interpolation (200 Resamples)

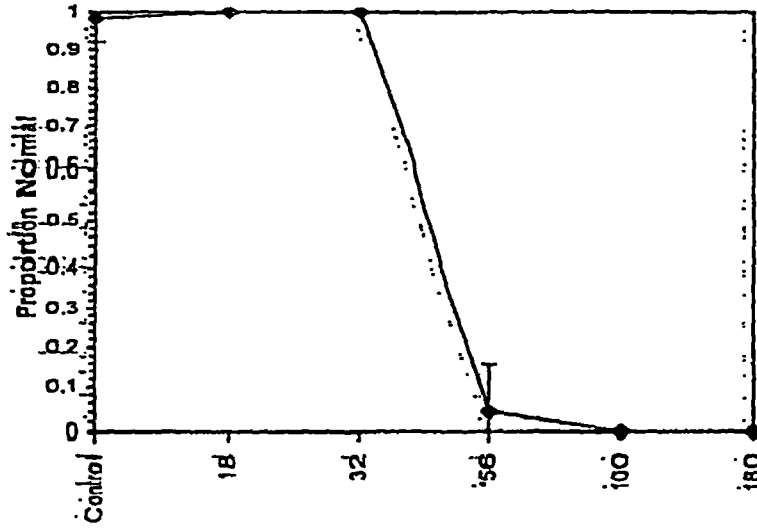
Point	ug/L	SD	95% CL(Exp)		Skew
IC05	33.253	0.040	33.174	33.369	0.6794
IC10	34.508	0.079	34.347	34.737	0.6794
IC15	35.759	0.119	35.521	36.106	0.6784
IC20	37.012	0.159	36.694	37.474	0.6784
IC25	38.265	0.199	37.868	38.843	0.6784
IC40	42.023	0.318	41.388	42.949	0.6784
IC50	44.529	0.397	43.735	45.686	0.6794



Abalone Larval Development Test-Proportion Normal

Start Date: 8/18/2005 Test ID: ABS452005 Sample ID: REF-Ref Toxicant  
End Date: 8/20/2005 Lab ID: ABC LABS Sample Type: ZNSO-Zinc sulfate  
Sample Date: 8/18/2005 Protocol: EPA/600/R-95-136;1995 Test Species: HR-Haliotis refescens  
Comments: Standard Toxicant

Dose-Response Plot



**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/18/2005	Test ID: ABS45.2005	Sample ID: REF-Ref Toxicant
End Date: 8/20/2005	Lab ID: ABC LABS	Sample Type: ZNSO-Zinc sulfate
Sample Date: 8/18/2005	Protocol: EPA/600/R-95, 136,1995	Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant		

**Auxiliary Data Summary**

Conc-ug/L	Parameter	Mean	Min	Max	SD	CV%	N
Control	Temp C	15.45	15.30	15.60	0.21	2.98	2
18		15.45	15.30	15.60	0.21	2.98	2
32		15.45	15.30	15.60	0.21	2.98	2
56		15.45	15.30	15.60	0.21	2.98	2
100		15.45	15.30	15.60	0.21	2.98	2
180		15.45	15.30	15.60	0.21	2.98	2
Control	pH	8.05	8.00	8.10	0.07	3.30	2
18		8.05	8.00	8.10	0.07	3.30	2
32		8.05	8.00	8.10	0.07	3.30	2
56		8.05	8.00	8.10	0.07	3.30	2
100		8.05	8.00	8.10	0.07	3.30	2
180		8.05	8.00	8.10	0.07	3.30	2
Control	DO mg/L	6.40	5.60	7.20	1.13	16.62	2
18		6.40	5.60	7.20	1.13	16.62	2
32		6.50	5.80	7.20	0.99	15.31	2
56		6.45	5.80	7.10	0.92	14.86	2
100		6.45	5.80	7.10	0.92	14.86	2
180		6.45	5.80	7.10	0.92	14.86	2
Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	2
18		34.00	34.00	34.00	0.00	0.00	2
32		34.00	34.00	34.00	0.00	0.00	2
56		34.00	34.00	34.00	0.00	0.00	2
100		34.00	34.00	34.00	0.00	0.00	2
180		34.00	34.00	34.00	0.00	0.00	2

**APPENDIX 7**

**DIABLO CANYON POWER PLANT**

**Corrected DSMR Form For  
001D Total Suspended Solids  
June 2005**

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
91 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.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #						
3402003001	BEGINNING	05 / 06 / 01	ENDING	05 / 06 / 30	06	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			EFFLUENT 001F SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY						
			mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET				
1			2		ND(5)	2	7	2	<	1	2	7
2												
3			2	25	2	3	2	22				
4												
5												
6												
7												
8												
9												
10												
11												
12												
13			2	12			2	12				
14												
15			3	5			3	**	5			
16												
17												
18												
19												
20												
21				4				ND(5)				
22			2	8			2	**	8			
23			2	30	2	2	2	28				
24												
25												
26												
27												
28			<	1				ND(5)				
29												
30												
31												
MONTHLY AVG	NO	NO			**	5						7
MONTHLY HIGH	DISCHARGE	DISCHARGE				30						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	NO LIMIT	NO LIMIT	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  
*Bryan Cunningham*  
DATE  
7/15/2005