



**Pacific Gas and  
Electric Company**

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

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

805 545 3462  
Fax 805 545 4234

April 18, 2003

PG&E Letter DCL-2003-530

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 First Quarter 2003 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:** Drew A. Squyres  
**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)**

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

**Year:** 2003 (Annual Reports for DCPD are Jan-Dec)

**Violation(s) (Place an X by the appropriate choice):**

☒ **No** (there are no violations to report) ☐ **Yes**

JE25

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Mr. Briggs, CRWQCB  
April 18, 2003  
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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)

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Mr. Briggs, CRWQCB  
April 18, 2003  
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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 Drew Squyres at (805) 545-4439.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Becker', is written over a horizontal line.

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

2003530/RDH/kmo

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Mr. Briggs, CRWQCB  
April 18, 2003  
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cc: Michael Thomas, CCRWQCB  
895 Aerovista, Suite 101  
San Luis Obispo, CA 93401-7906

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

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

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

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

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

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-001

Enclosure

## **OVERVIEW**

1. During the first quarter of 2003, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001J, 001L, 001M, 001N, 001P, and 002 through 15. No discharges occurred from Discharge Paths, 001I, 001K, 016, and 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 first quarter of 2003, system mishaps and maintenance activities that required draining of closed cooling water systems were performed and are summarized below. PG&E received concurrence from the CCRWQCB in a letter dated July 19, 1995 and another letter dated May 19, 1997 (PG&E Letter DCL-95-156 and PG&E Letter DCL-97-533, respectively) 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.

On January 2, 2003, it was identified that between December 24, 2002, and January 2, 2003, a small leak of closed cooling water from the Unit 1 Intake Cooling Water system (ICW) occurred. The total volume over this period of time was estimated to be 1660 gallons. The leak rate was estimated to be 6.5 gallons per hour and flowed into the once-through circulating cooling water system at the intake. The leak rate of 6.5 gallons per hour is significantly below the allowable flow rate of 250 gallons per minute and NOEC described in the above letters. The leak was repaired on January 2, 2003.

Date	System	Volume (gal)	Glutaraldehyde (mg/l)	Isothiazolin (mg/l)
12/24/02 to 1/02/03	Unit 1 ICW	1660	0	0
2/04/03	Unit 2 ICW	1150	0	5
2/11/03	Unit 2 CCW	4200	0	0
3/17/03	Unit 2 CCW	1	213	0

4. On February 16, 2003, approximately 150 gallons of water containing dilute hydrazine (746 ppm) flowed to the pavement near the Unit 2 containment due to a misaligned valve and filling activity. At that time rain washed this water into the deluge collector sump. The sump holds about 17,000 gallons so the water was significantly diluted. The sump is designed to process water through a passive oil water separator system prior to flowing to a retention basin near the intake cove. No processed water entered the ocean. The Regional Board was notified on February 16, 2003, of this event as a conservative measure even though there was no actual release to the creek or ocean. Analytical results for hydrazine collected from sediment samples in the retention basin were below published toxic levels.

ENCLOSURE 1

**FIRST QUARTER 2003**

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

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

**First Quarter 2003**

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

**(NPDES No. CA0003751)**

PACIFIC GAS AND ELECTRIC COMPANY

First Quarter 2003

REPORT ON DISCHARGE MONITORING AT  
DIABLO CANYON POWER PLANT

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<b>APPENDIX 6: Chronic Bioassay, January 9 -11, 2003</b>	



## **SUMMARY OF MONITORING PROGRAM**

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

1. The results of the January, February, and March 2003 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 January 8 -12, 2003, is included in **Appendix 5**. The bioassay results show that acute toxicity was 0.00 (no mortality).
3. The laboratory report for one chronic bioassay on water sampled from Discharge 001, performed January 9 - 11, 2003, is included in **Appendix 6**. The bioassay results show that chronic toxicity was 1.0 (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 first quarter continued under the Diablo Canyon Receiving Water Monitoring Program (RWMP) as requested in a letter from the Central Coast Regional Water Quality Control Board (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. This program 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. Acti-Brom Treatment Program**

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

Unit 1 started the first quarter with simultaneous sodium hypochlorite and Acti-Brom treatment six times daily. Acti-Brom injections were turned off on March 5, 2003 in anticipation of a tunnel cleaning in April 2003. For the remainder of March, Unit 1 conduits received injections of sodium hypochlorite six times daily to control microfouling in the condensers with a brief interruption in late March due to a programming error.

Conduit 2-1 began the quarter with injections of sodium hypochlorite six times daily to control microfouling in the condensers in anticipation of the 2R11 refueling outage. Conduit 2-2 received simultaneous sodium hypochlorite and Acti-Brom treatment six times daily until early January when Acti-Brom was shut down in anticipation of 2R11. Both conduits received microfouling injections six times daily until the end of January when Unit 2 injections were shut down for the 2R11 refueling outage. Unit 2 injections remained off until early March when one of the circulating water pumps was returned to service. Through the remainder of March, treatment alternated between the two conduits of Unit 2 as the circulating water pumps were turned on and then shut down for 2R11 related activities.

At the end of 2R11, an experiment was initiated to test the effectiveness of sodium bromide compared to Acti-Brom in controlling macrofouling. For the next 12 to 16 months, conduit 2-1 will be receiving simultaneous injections of sodium hypochlorite and Acti-Brom, while conduit 2-2 will be receiving simultaneous injections of sodium hypochlorite and sodium bromide.

# APPENDIX 1

## DIABLO CANYON POWER PLANT

NPDES DISCHARGE POINTS	
DISCHARGE NUMBER	DESCRIPTION
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**

**January 2003**

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

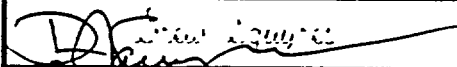
PAGE: (M) 1

FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (")	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY	
	*	*	*	*	*	*	*	*	
1	55.3	74.5	19.2	2486					
2	55.9	75.0	19.1	2486					
3	56.2	75.3	19.1	2486	8.0	8.0	2	7.8	
4	55.9	75.0	19.1	2486				2	
5	55.8	74.9	19.1	2486				8.0	
6	55.7	74.8	19.1	2486					
7	55.6	74.7	19.1	2486					
8	55.8	74.9	19.1	2486					
9	55.9	75.0	19.1	2486					
10	56.4	75.4	19.0	2486					
11	56.6	75.5	18.9	2486					
12	56.8	75.8	19.0	2486					
13	56.9	76.0	19.1	2486					
14	56.7	75.4	18.7	2486					
15	56.6	75.7	19.1	2486					
16	57.0	76.1	19.1	2486					
17	57.1	76.1	19.0	2486					
18	56.8	76.0	19.2	2486					
19	56.8	75.9	19.1	2486					
20	56.8	75.9	19.1	2486					
21	56.9	76.0	19.1	2486					
22	57.2	76.3	19.1	2486					
23	57.1	75.9	18.8	2486					
24	56.6	75.4	18.8	2486					
25	56.4	75.2	18.8	2486					
26	56.6	75.4	18.8	2486					
27	56.7	75.4	18.7	2486					
28	55.7	74.5	18.8	2486					
29	56.2	74.9	18.7	2486					
30	56.1	74.7	18.6	2486					
31	56	74.6	18.6	2486					
MONTHLY AVG	56.4	75.4	19.0	2486	8.0	8.0	7.8	8.0	
MONTHLY HIGH	57.2	76.3	19.2	2486	8.0	8.0	7.8	8.0	
MONTHLY LOW	55.3	74.5	18.6	2486	8.0	8.0	7.8	8.0	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED			(")						
TIMES EXCEEDED									

REMARKS

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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	03 / 01 / 01	ENDING	03 / 01 / 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* GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1							12	43
2			3	ND(5)			12	52
3	80	80				< 3	12	47
4							12	52
5							12	52
6							12	62
7							12	47
8							12	43
9			3	ND(5)			12	43
10							12	47
11							12	47
12							12	39
13							12	43
14							12	47
15			3	ND(5)			12	43
16							12	57
17							12	39
18							12	35
19							12	35
20							12	35
21							12	32
22							12	33
23			3	ND(5)			12	36
24							12	36
25							12	34
26							12	30
27							12	29
28			3	ND(5)			12	33
29							12	32
30							12	36
31							10	39
MONTHLY AVG	80	80	ND(5)	NO	NO	< 3	41	481
MONTHLY HIGH	80	80	ND(5)	DISCHARGE	DISCHARGE	< 3	62	526
MONTHLY LOW	80	80	ND(5)			< 3	29	384
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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

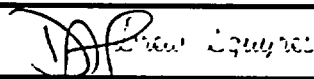
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I D 3402003001		YEAR / MO / DAY BEGINNING 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/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				1			ND(5)		
3				3			ND(5)	2	4
4								2	<
5									1
6									2
7									
8									
9									
10				2	<	1	ND(5)		
11									
12									
13									
14				2			ND(5)		
15			2	17			17		
16									
17									
18									
19									
20				24			24		
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27									
28				15			15		
29									
30									
31				22			22		
MONTHLY AVG	NO	NO					11		ND(5)
MONTHLY HIGH	DISCHARGE	DISCHARGE					47		ND(5)
MONTHLY LOW							ND(5)		ND(5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED	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	DATE
	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
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81 HIGUERA  
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FACILITY ID 3 402003001		YEAR / MO / DAY BEGINNING 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 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    mg/1 NET GRAB MONTHLY			EFFLUENT 001H SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB MONTHLY					
1					1	< 1		ND(5)	
2									
3	< 1								
4									
5									
6									
7									
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31									
MONTHLY AVG	ND(5)			ND(5)			ND(5)		
MONTHLY HIGH	ND(5)			ND(5)			ND(5)		
MONTHLY LOW	ND(5)			ND(5)			ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	MO AVG 30=0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M Rueger</i>	4/20/2003



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

DISCHARGE SELF MONITORING REPORT

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FACILITY I D 3402003001		YEAR / MO / DAY BEGINNING 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    GRAB MONTHLY    mg/1 NET			EFFLUENT 001J SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    GRAB MONTHLY    mg/1 NET					
1									
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25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO			NO					
MONTHLY HIGH	DISCHARGE			DISCHARGE					
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0			
TIMES EXCEEDED									

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M Rueger</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

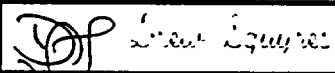
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

PAGE. (M) 6

FACILITY ID	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 31	06	CA000375*		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001K SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET			EFFLUENT 001L SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET				
1								
2								
3				2	1		2	ND(5)
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
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21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO						ND(5)	
MONTHLY HIGH	DISCHARGE						ND(5)	
MONTHLY LOW							ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

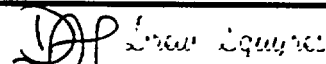
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

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FACILITY I D		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #			
3 402003001		BEGINNING 03 / 01 / 01		ENDING 03 / 01 / 31		05		CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001M SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB MONTHLY			EFFLUENT 001N SUSPENDED SOLIDS mg/1 COMPOSITE WEEKLY		EFFLUENT 001P SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB MONTHLY					
1											
2					ND(5)	2	4	2	1	2	ND(5)
3											
4											
5											
6											
7											
8											
9					19						
10											
11											
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15					10						
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21											
22											
23					24						
24											
25											
26											
27											
28					17						
29											
30											
31											
MONTHLY AVG	NO			14				ND(5)			
MONTHLY HIGH	DISCHARGE			24				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
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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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

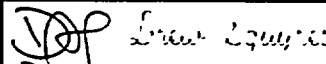
PAGE. (M) 8

FACILITY ID	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3402003001	BEGINNING 03 / 01 / 01	ENDING 03 / 01 / 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	
1							
2							
3	2	5	2	1	2	< 5	ND(5)
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
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21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG	< 5			ND(5)			
MONTHLY HIGH	6			ND(5)			
MONTHLY LOW	ND(5)			ND(5)			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED							

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

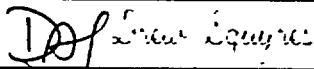
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

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FACILITY I D	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/1 GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/1 GRAB MONTHLY	EFFLUENT 001 COPPER ug/1 GRAB MONTHLY	EFFLUENT 001 NICKEL ug/1 GRAB MONTHLY	EFFLUENT 001 ZINC ug/1 GRAB MONTHLY
1								
2				ND(0 1)	ND(10)	ND(10)	ND(10)	ND(10)
3								
4								
5								
6								
7								
8								
9				ND(0 1)				
10								
11								
12								
13								
14								
15				ND(0 1)				
16								
17								
18								
19								
20								
21								
22								
23				ND(0 1)				
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 10 = 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 30 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
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AVILA BEACH CALIF 93424

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FACILITY I D		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING 03 / 01 / 01		ENDING 03 / 01 / 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								3	
2						< 3			
3	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)		< 3		
4									
5									
6									
7									
8									
9									
10						< 3			
11									
12									
13						< 3			
14						3			
15									
16						15			
17									
18									
19									
20						< 3			
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31						< 3			
MONTHLY AVG	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	< 3	< 3	3	
MONTHLY HIGH	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	15	< 3	3	
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	< 3	< 3	3	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED					I MAX 30600 = 0				

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

PRINCIPAL EXECUTIVE OFFICER  
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT  
*[Signature]*  
DATE  
4/20/2003

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 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				2 < 3		< 3	2 < 3	< 3
4								
5								
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7								
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9								
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19								
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22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO	NO	NO	< 3	NO	< 3	< 3	< 3
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	< 3	DISCHARGE	< 3	< 3	< 3
MONTHLY LOW				< 3		< 3	< 3	< 3
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>[Signature]</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

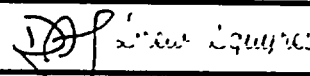
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
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PAGE. (Q) 3

FACILITY I D	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 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
1			ND(5)			
2						
3	< 3			2	ND(5)	ND(5)
4						
5						
6						
7						
8		0 00				
9						
10						
11						
12						
13						
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16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	< 3	0 00	ND(5)	ND(5)	ND(5)	ND(5)
MONTHLY HIGH	< 3	0 00	ND(5)	ND(5)	ND(5)	ND(5)
MONTHLY LOW	< 3	0 00	ND(5)	ND(5)	ND(5)	ND(5)
TIMES EXCEEDED	MO AVG 15 = 0		NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED	D MAX 20 = 0					
TIMES EXCEEDED	6M-MED 0 26=0					

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003



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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FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 31	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
1	ND(10)				10			
2								
3			2	ND(10)	ND(10)		2	ND(10)
4		2	10			2	170	
5								
6								
7								
8								
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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)	10	ND(10)	ND(10)	10	170	ND(10)	10
MONTHLY HIGH	ND(10)	20	ND(10)	ND(10)	10	270	ND(10)	10
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(10)	10	60	ND(10)	10
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>[Signature]</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
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FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3402003001	BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 31	06	06	CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT
1	10				ND(0.2)			
2								
3			2	ND(10)	ND(10)		2	ND(0.2)
4		2	ND(100)			2	ND(0.2)	0.5
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	10	ND(100)	ND(10)	ND(10)	ND(0.2)	ND(0.2)	ND(0.2)	0.5
MONTHLY HIGH	10	ND(100)	ND(10)	ND(10)	ND(0.2)	ND(0.2)	ND(0.2)	0.5
MONTHLY LOW	10	ND(100)	ND(10)	ND(10)	ND(0.2)	ND(0.2)	ND(0.2)	0.5
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M. Rueger</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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PAGE: (Q) 6

FACILITY ID 3 402003001	YEAR / MO / DAY BEGINNING 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL 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	20				ND(10)			
2								
3			2	ND(10)	ND(10)		2	ND(10)
4		2	30			2	ND(10)	
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	20	30	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH	20	40	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW	20	10	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M Rueger</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

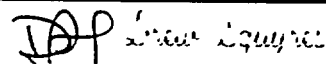
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 7

FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT			
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MONTHLY AVG	930	80	60	80			
MONTHLY HIGH	930	80	60	80			
MONTHLY LOW	930	80	60	80			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT			
TIMES EXCEEDED							
TIMES EXCEEDED							

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

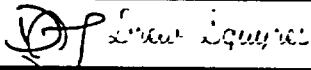
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

PAGE: (Q) 8

FACILITY I D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING 03 / 01 / 01	ENDING 03 / 01 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP METAL CLNG	
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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
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PAGE. (Q) 9

FACILITY ID	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING 03 / 01 / 01	ENDING 03 / 01 / 31	06	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	
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW						
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
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M. Rueger</i>	4/20/2003

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

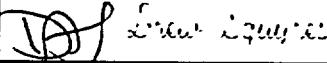
FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
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MONTHLY AVG								11
MONTHLY HIGH								11
MONTHLY LOW								11
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS

\* NUMBER OF SAMPLES TAKEN DURING THE DAY

\*\* INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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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PAGE (A) 2

FACILITY I D		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 31	06		CA000375*	
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	
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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
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M Rueger</i>	4/20/2003



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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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 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 31		STATE CODE 06		NPDES PERMIT # CA000375*	
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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TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0		
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0		
TIMES EXCEEDED		IMAX 50=0							

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M Rueger</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

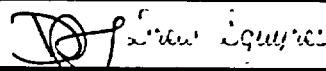
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 4

FACILITY ID 3 402003001	YEAR / MO / DAY BEGINNING 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 31		STATE CODE 06	NPDES PERMIT # CA000375*	
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
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
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PAGE (A) 5

FACILITY ID 3 402003001		YEAR / MO / DAY BEGINNING 03 / 01 / 01		YEAR / MO / DAY ENDING 03 / 01 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER	
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MONTHLY AVG									
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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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M Rueger</i>	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	03 / 01 / 01	ENDING	03 / 01 / 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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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	TTLT>100=0	TTLT>2500=0	TTLT>500=0	TTLT>1000=0	TTLT>2000=0	TTLT>20=0	TTLT>5000=0	

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>[Signature]</i>	4/20/2003

**APPENDIX 3**  
**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**February 2003**

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

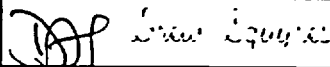
PAGE: (M) 1

FACILITY I D		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	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	56 1	74 7	18 6	2486					
2	54 8	73 4	18 6	2486					
3	55 3	72 5	17 2	1706					
4	55 6	74 6	19 0	1239					
5	55 5	74 5	19 0	1239	8 1	8 1		2 8 1	
6	55 6	74 6	19 0	1239			2 8 0		
7	55 8	74 8	19 0	1239					
8	56 0	75 0	19 0	1239					
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10	56 1	75 1	19 0	1239					
11	56 6	75 5	18 9	1239					
12	57 3	76 2	18 9	1239					
13	57 5	76 5	19 0	1239					
14	57 2	76 2	19 0	1239					
15	57 1	76 2	19 1	1239					
16	57 3	76 2	18 9	1239					
17	57 1	76 1	19 0	1239					
18	56 9	76 0	19 1	1239					
19	55 7	74 8	19 1	1239					
20	54 2	73 3	19 1	1239					
21	54 7	73 8	19 1	1239					
22	54 9	74 0	19 1	1239					
23	55 7	72 7	17 0	1239					
24	55 6	73 9	18 3	1239					
25	55 9	74 6	18 7	1239					
26	55 1	73 8	18 7	1239					
27	54 8	73 5	18 7	1239					
28	54 3	73 0	18 7	1239					
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MONTHLY AVG	50 5	67 4	17 0	1215	8 1	8 1	8 0	8 1	
MONTHLY HIGH	57 5	76 5	19 1	2486	8 1	8 1	8 0	8 1	
MONTHLY LOW	54 2	72 5	17 0	1239	8 1	8 1	8 0	8 0	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED			(")						
TIMES EXCEEDED									

REMARKS

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
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SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

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PAGE: (M) 2

FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	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							6 30	230
2							6 30	230
3							6 36	238
4							6 < 20	245
5	81	81	3 ND(5)				6 < 20	252
6							6 < 20	281
7							6 < 20	302
8							6 < 20	302
9							6 < 20	302
10						< 3	6 < 20	302
11							6 < 20	302
12							6 < 20	302
13							6 < 20	295
14			3 ND(5)				6 < 20	288
15							6 28	288
16							6 < 20	288
17							6 < 20	288
18							6 < 20	288
19			3 ND(5)				6 26	288
20							6 31	274
21							6 < 20	259
22							6 < 20	259
23							6 < 20	259
24							6 < 20	259
25							6 < 20	245
26			3 ND(5)				6 < 20	230
27							6 < 20	223
28							6 < 20	216
29								
30								
31								
MONTHLY AVG	81	81	ND(5)	NO	NO	< 3	< 20	269
MONTHLY HIGH	81	81	ND(5)	DISCHARGE	DISCHARGE	< 3	36	302
MONTHLY LOW	81	81	ND(5)			< 3	< 20	216
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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

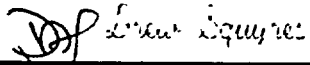
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

PAGE: (M) 3

FACILITY ID 3402003001		YEAR / MO / DAY BEGINNING 03 / 02 / 01		YEAR / MO / DAY ENDING 03 / 02 / 28		STATE CODE 06		NPDES PERMIT # CA000375*	
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 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			
1									
2									
3				2			ND(5)		
4									
5				2	9	2	< 1	2	9
6									
7					1				ND(5)
8									
9									
10				3	7	3	< 1	3	7
11								2	4
12				2	44	2			2
13									1
14									2
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO	NO				< 5	ND(5)		
MONTHLY HIGH	DISCHARGE	DISCHARGE				46	ND(5)		
MONTHLY LOW						ND(5)	ND(5)		
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED	I MAX >10K								

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003



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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY ID 3 402003001		YEAR / MO / DAY BEGINNING 03 / 02 / 01		YEAR / MO / DAY ENDING 03 / 02 / 28		STATE CODE 06		NPDES PERMIT # CA000375*		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001G SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB MONTHLY			EFFLUENT 001H SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB MONTHLY						
1										
2										
3					8	< 1		8		
4										
5										
6										
7										
8										
9										
10	1			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				ND(5)				8		
MONTHLY HIGH				ND(5)				8		
MONTHLY LOW				ND(5)				8		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	MO AVG 30=0				
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0				
TIMES EXCEEDED										

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory Rueger</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

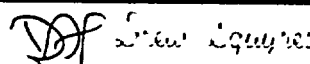
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 02 / 01		YEAR / MO / DAY ENDING 03 / 02 / 28		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY			EFFLUENT 001J SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
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						ND(5)		
MONTHLY HIGH	DISCHARGE						ND(5)		
MONTHLY LOW							ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0			
TIMES EXCEEDED									

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

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FACILITY ID 3 402003001		YEAR / MO / DAY BEGINNING 03 / 02 / 01		YEAR / MO / DAY ENDING 03 / 02 / 28		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR    mg/l 2nd FLTR    mg/l NET GRAB MONTHLY			EFFLUENT 001L SUSPENDED SOLIDS mg/l 1st FLTR    mg/l 2nd FLTR    mg/l NET GRAB MONTHLY					
1									
2									
3				2	1		2	ND(5)	
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO						ND(5)		
MONTHLY HIGH	DISCHARGE						ND(5)		
MONTHLY LOW							ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS    \*    NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Gregory M Rueger</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

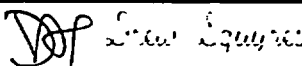
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

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FACILITY I D	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001M SUSPENDED SOLIDS mg/l 1st FLTR    mg/l 2nd FLTR    mg/l NET GRAB MONTHLY			EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS mg/l 1st FLTR    mg/l 2nd FLTR    mg/l NET GRAB MONTHLY		
1							
2							
3							
4							
5	2	<	1	ND(5)	24		
6						3	1
7							ND(5)
8							
9							
10							
11							
12							
13							
14					43		
15							
16							
17							
18							
19					26		
20							
21							
22							
23							
24							
25							
26					31		
27							
28							
29							
30							
31							
MONTHLY AVG	ND(5)			31	ND(5)		
MONTHLY HIGH	ND(5)			43	ND(5)		
MONTHLY LOW	ND(5)			24	ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0
TIMES EXCEEDED							

REMARKS      \*    NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

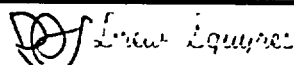
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 02 / 01			YEAR / MO / DAY ENDING 03 / 02 / 28			STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 002 SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR GRAB MONTHLY    mg/1 NET			EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR GRAB MONTHLY    mg/1 NET							
1											
2											
3											
4											
5	2	3	2	1	2	ND(5)	2	4	2	< 1	2 < 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)						< 5	
MONTHLY HIGH				ND(5)						5	
MONTHLY LOW				ND(5)						ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0					
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0					
TIMES EXCEEDED											

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

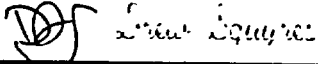
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

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FACILITY I D	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR    mg/l 2nd FLTR    mg/l NET GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY
1								
2								
3								
4								
5				ND(0 1)	ND(10)	ND(10)	ND(10)	ND(10)
6								
7								
8								
9								
10								
11								
12								
13								
14				ND(0 1)				
15								
16								
17								
18								
19				ND(0 1)				
20								
21								
22								
23								
24								
25								
26				ND(0 1)				
27								
28								
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 10 = 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 30 = 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 250 = 0	I MAX 990 = 0

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

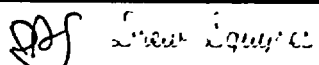
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

PAGE: (Q) 1

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 03 / 02 / 01		YEAR / MO / DAY ENDING 03 / 02 / 28		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1									
2									
3									
4									
5	ND(10)	ND(10)	ND(10)						
6									
7									
8									
9									
10									
11									
12						9			
13									
14									
15									
16									
17									
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19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	ND(10)	ND(10)	ND(10)			** 9			
MONTHLY HIGH	ND(10)	ND(10)	ND(10)			9			
MONTHLY LOW	ND(10)	ND(10)	ND(10)			9			
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
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

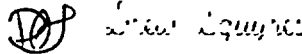
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE. (Q) 2

FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I OIL & GREASE mg/l GRAB JAVAPI/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JAVAPI/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JAVAPI/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JAVAPI/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JAVAPI/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JAVAPI/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JAVAPI/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JAVAPI/JUL/OCT
1								
2								
3		< 3						
4								
5					< 3			
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	< 3				< 3			
MONTHLY HIGH	< 3				< 3			
MONTHLY LOW	< 3				< 3			
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003



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

DISCHARGE SELF MONITORING REPORT

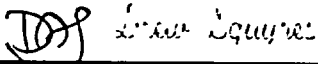
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
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AVILA BEACH CALIF 93424

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FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	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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TIMES EXCEEDED	D MAX 20 = 0					
TIMES EXCEEDED	6M-MED 0 26=0					

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

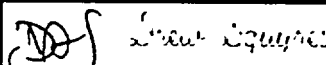
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

PAGE: (Q) 4

FACILITY I D		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

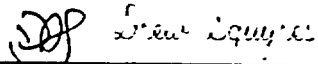
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

PAGE. (Q) 5

FACILITY I D	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	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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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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: (Q) 6

FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	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								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Gregory M Rueger	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I D  
3 402003001

YEAR / MO / DAY  
BEGINNING 03 / 02 / 01

YEAR / MO / DAY  
ENDING 03 / 02 / 28


STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Gregory M Rueger	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT


PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 02 / 01		YEAR / MO / DAY ENDING 03 / 02 / 28		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP METAL CLNG		
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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Andrew Squires	4/20/2003

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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FACILITY I D  
3 402003001

YEAR / MO / DAY  
BEGINNING 03 / 02 / 01

YEAR / MO / DAY  
ENDING 03 / 02 / 28

STATE CODE  
05

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

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER

GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE



Greg L. Luyker

4/20/2003

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

DISCHARGE SELF MONITORING REPORT

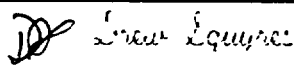
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

PAGE: (A) 1

FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	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
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TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

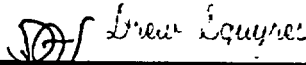
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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PAGE: (A) 2

FACILITY I D	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
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TIMES EXCEEDED		DMAX 0 8 = 0		DMAX 13 6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

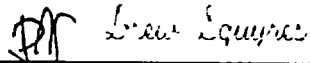
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
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PAGE. (A) 3

FACILITY I D		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	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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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER
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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		
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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>JD Drew Squires</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

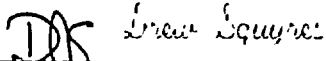
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE (A) 5

FACILITY ID 3 402003001		YEAR / MO / DAY BEGINNING 03 / 02 / 01		YEAR / MO / DAY ENDING 03 / 02 / 28		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER	
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21									
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24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

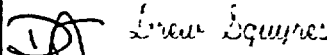
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH CALIF 93424

PAGE: (A) 6

FACILITY ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 02 / 01	ENDING	03 / 02 / 28	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
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
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

## **APPENDIX 4**

### **DIABLO CANYON POWER PLANT**

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

**March 2003**

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 #	
3 402003001		BEGINNING	03 / 03 / 01	ENDING	03 / 03 / 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	53.6	72.5	18.9	1239							
2	54.0	72.8	18.8	1239							
3	54.6	73.3	18.7	1239							
4	54.7	73.5	18.8	1239							
5	54.4	73.0	18.6	1239							
6	53.8	71.0	17.2	1395							
7	53.5	68.0	14.5	1862	80	80	2	77			
8	53.0	66.7	13.7	1992				2			
9	53.6	68.2	14.6	1862							
10	52.8	67.4	14.6	1862							
11	51.3	66.0	14.7	1862							
12	51.4	65.9	14.5	1862							
13	52.5	65.1	12.6	2070							
14	53.7	64.8	11.1	2278							
15	54.2	68.7	14.5	1862							
16	54.1	68.6	14.5	1862							
17	52.8	67.5	14.7	1862							
18	51.1	65.8	14.7	1862							
19	51.0	65.7	14.7	1862							
20	50.1	64.6	14.5	1862							
21	49.5	64.2	14.7	1862							
22	49.4	64.0	14.6	1862							
23	49.9	64.5	14.6	1862							
24	49.4	64.0	14.6	1862							
25	49.2	64.0	14.8	1862							
26	49.3	64.0	14.7	2278							
27	49.3	61.8	12.5	2486							
28	49.3	64.7	15.4	2174							
29	50.4	65.0	14.6	1862							
30	50.4	67.8	17.4	1862							
31	50.7	69.2	18.5	1862							
MONTHLY AVG	51.8	67.2	15.3	1814	80	80	77	80			
MONTHLY HIGH	54.7	73.5	18.9	2486	80	80	77	80			
MONTHLY LOW	49.2	61.8	11.1	1239	80	80	77	80			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT			
TIMES EXCEEDED			(**)								
TIMES EXCEEDED											

REMARKS

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Dr. Squire</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

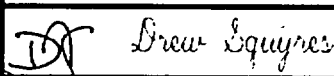
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 2

FACILITY I D	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 03 / 01	ENDING	03 / 03 / 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							6 < 20	216		
2							6 < 20	216		
3							6 < 20	209		
4						< 3	6 < 20	202		
5						2 < 3	6 21	194		
6							6 37	228		
7	80	80	3 ND(5)				7 40	346		
8							12 46	346		
9							12 40	346		
10							12 40	346		
11							12 40	346		
12							12 40	346		
13			3 ND(5)				12 25	338		
14							12 61	374		
15							12 25	302		
16							12 25	302		
17							12 28	288		
18						3	12 30	274		
19			3 < 5				12 28	274		
20							12 30	274		
21							12 33	274		
22							12 28	274		
23							12 30	274		
24							12 37	274		
25							12 30	274		
26							12 67	307		
27			3 7				10 37	278		
28							12 56	259		
29							12 30	259		
30							12 25	259		
31							12 21	259		
MONTHLY AVG	80	80	< 5	NO	NO	< 3	31	282		
MONTHLY HIGH	80	80	17	DISCHARGE	DISCHARGE	3	67	374		
MONTHLY LOW	80	80	ND(5)			< 3	< 20	194		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT		
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0				
TIMES EXCEEDED										

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/20/2003



CALIFORNIA REGIONAL WATER QUALITY  
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SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 3

FACILITY I D  
3 402003001

YEAR / MO / DAY  
BEGINNING 03 / 03 / 01

YEAR / MO / DAY  
ENDING 03 / 03 / 31

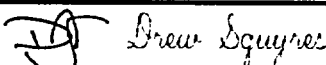
STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS			EFFLUENT 001F SUSPENDED SOLIDS		
			mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET
1			4	40	2	4	40	
2								
3								
4								
5				1		2	3	2
6			2	8			2	1
7								
8								
9								
10								
11								
12				1				
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24			2	25		2	25	
25								
26								
27								
28				4				
29								
30								
31								
MONTHLY AVG	NO	NO			**	11		ND(5)
MONTHLY HIGH	DISCHARGE	DISCHARGE				43		ND(5)
MONTHLY LOW						ND(5)		ND(5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED	I MAX>10K							

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/20/2003

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

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I D  
3 402003001

YEAR / MO / DAY  
BEGINNING 03 / 03 / 01

YEAR / MO / DAY  
ENDING 03 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2									
3									
4				< 1	< 1	ND(5)			
5									
6									
7	< 1		ND(5)						
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)			ND(5)		
MONTHLY HIGH	ND(5)			ND(5)			ND(5)		
MONTHLY LOW	ND(5)			ND(5)			ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	MO AVG 30=0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>DS Drew Squires</i>	4/20/2003

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) 5

FACILITY I D  
3 402003001

YEAR / MO / DAY  
BEGINNING 03 / 03 / 01

YEAR / MO / DAY  
ENDING 03 / 03 / 31

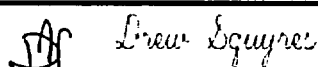
STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2									
3									
4									
5									
6				< 1		ND(5)			
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					ND(5)			
MONTHLY HIGH	DISCHARGE					ND(5)			
MONTHLY LOW						ND(5)			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0			
TIMES EXCEEDED									

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 03 / 01		YEAR / MO / DAY ENDING 03 / 03 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001K SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001L SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26					< 1			ND(5)	
27									
28					< 1			ND(5)	
29									
30									
31									
MONTHLY AVG	NO DISCHARGE							ND(5)	
MONTHLY HIGH								ND(5)	
MONTHLY LOW								ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>DF Drew Squires</i>	4/20/2003

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

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

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS	EFFLUENT 001P SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 COMPOSITE WEEKLY	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
	*	*	*	*	*	*	*	
1								
2								
3								
4								
5								
6								
7				25	3	< 1	ND(5)	
8								
9								
10								
11								
12				47				
13								
14								
15								
16								
17								
18	3	1	ND(5)	41				
19								
20								
21								
22								
23								
24								
25								
26								
27				18				
28								
29								
30								
31								
MONTHLY AVG	ND(5)			33	ND(5)			
MONTHLY HIGH	ND(5)			47	ND(5)			
MONTHLY LOW	ND(5)			18	ND(5)			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0	
TIMES EXCEEDED								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER  
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT  
*JD Drew Squire*  
DATE  
4/20/2003

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) 8

FACILITY I D 3 402003001 YEAR / MO / DAY BEGINNING 03 / 03 / 01 YEAR / MO / DAY ENDING 03 / 03 / 31 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	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET			
		GRAB			GRAB				
		MONTHLY			MONTHLY				
1									
2									
3									
4									
5									
6									
7	2	2	2	2	3	2	ND(5)	2	ND(5)
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)			ND(5)		
MONTHLY HIGH	ND(5)			ND(5)			ND(5)		
MONTHLY LOW	ND(5)			ND(5)			ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER  
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT  
*Drew Squires*  
DATE  
4/20/2003

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

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PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I D  
3 402003001

YEAR / MO / DAY  
BEGINNING 03 / 03 / 01

YEAR / MO / DAY  
ENDING 03 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY
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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 10 = 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 30 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>DJP Drew Squires</i>	4/20/2003

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) 1

FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 03 / 01		YEAR / MO / DAY ENDING 03 / 03 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
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MONTHLY AVG	ND(10)	ND(10)	ND(10)	**					
MONTHLY HIGH	ND(10)	ND(10)	ND(10)						
MONTHLY LOW	ND(10)	ND(10)	ND(10)						
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED					I MAX 30600 = 0				

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	4/20/2003



CALIFORNIA REGIONAL WATER QUALITY  
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81 HIGUERA  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
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PAGE. (Q) 2

FACILITY I D  
3 402003001

YEAR / MO / DAY  
BEGINNING 03 / 03 / 01

YEAR / MO / DAY  
ENDING 03 / 03 / 31

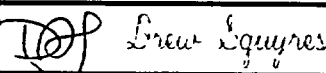
STATE CODE  
06

NPDES PERMIT #  
CA0003751

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

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/20/2003

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

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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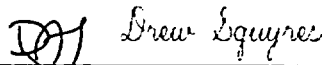
PAGE: (Q) 3

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

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	MO AVG 15 = 0 D MAX 20 = 0 6M-MED 0 26=0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/20/2003

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  
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FACILITY ID  
3402003001

YEAR / MO / DAY  
BEGINNING 03 / 03 / 01

YEAR / MO / DAY  
ENDING 03 / 03 / 31

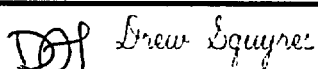
STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

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

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>[Signature]</i> Drew Squire	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I D 3 402003001	YEAR / MO / DAY BEGINNING 03 / 03 / 01		YEAR / MO / DAY ENDING 03 / 03 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
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REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>DJ Drew Squires</i>	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO  
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FACILITY ID  
3 402003001

YEAR / MO / DAY  
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YEAR / MO / DAY  
ENDING 03 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

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

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Equyres</i>	4/20/2003

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

PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
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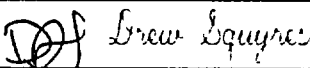
PAGE. (Q) 8

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

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
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DISCHARGE SELF MONITORING REPORT

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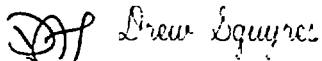
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FACILITY I D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 03 / 03 / 01	ENDING 03 / 03 / 31	06	CA0003751

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

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003



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

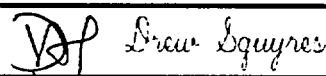
PACIFIC GAS AND ELECTRIC CO  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
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FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 03 / 01		YEAR / MO / DAY ENDING 03 / 03 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER	
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MONTHLY AVG								** 18	
MONTHLY HIGH								18	
MONTHLY LOW								18	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0		
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0		

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/20/2003

CALIFORNIA REGIONAL WATER QUALITY  
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PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 2

FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 03 / 01		YEAR / MO / DAY ENDING 03 / 03 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
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26									
27									
28									
29									
30									
31									
MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	6M-MED 0 2=0	NO LIMIT	6M-MED 2 9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0	
TIMES EXCEEDED		DMAX 0 8 = 0		DMAX 13 6=0		DMAX 100=0		DMAX 610= 0	
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0	

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
 Drew Squires	4/20/2003

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

DISCHARGE SELF MONITORING REPORT


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

PAGE (A) 3

FACILITY I D 3 402003001		YEAR / MO / DAY BEGINNING 03 / 03 / 01		YEAR / MO / DAY ENDING 03 / 03 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
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26									
27									
28									
29									
30									
31									
MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0		
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0		
TIMES EXCEEDED		IMAX 50=0							

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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

DISCHARGE SELF MONITORING REPORT

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

PAGE. (A) 4

FACILITY I D  
3402003001

YEAR / MO / DAY  
BEGINNING 03 / 03 / 01

YEAR / MO / DAY  
ENDING 03 / 03 / 31

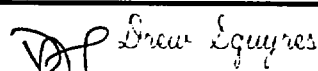
STATE CODE  
06

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	
1								
2								
3								
4								
5								
6								
7								
8								
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24								
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26								
27								
28								
29								
30								
31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT	
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0			
TIMES EXCEEDED								

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	4/20/2003

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) 5

FACILITY ID  
3 402003001

YEAR / MO / DAY  
BEGINNING 03 / 03 / 01

YEAR / MO / DAY  
ENDING 03 / 03 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
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26								
27								
28								
29								
30								
31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT

REMARKS \* NUMBER OF SAMPLES TAKEN DURING THE DAY

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	4/20/2003

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: (A) 6

FACILITY I D	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	03 / 03 / 01	ENDING	03 / 03 / 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
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
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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
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	4/20/2003

**APPENDIX 5**  
**DIABLO CANYON POWER PLANT**  
Acute Bioassay  
January 8 - 12, 2003



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

January 24, 2003

Ms. Raquel Harvey  
FGL Environmental  
P.O. Box 272  
Santa Paula, CA 93061

Dear Ms. Harvey:

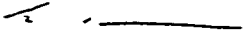
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Guidelines for Performing Static Acute Fish Bioassays in Municipal and Industrial Waste Waters* as provided to us by Frederic R. Kopperdahl, Fish and Wildlife Water Pollution Control Laboratory,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

CLIENT:	Diablo Canyon Power Plant
SAMPLE I.D.:	Discharge 001
PROJECT No:	SP300147
DATE RECEIVED:	08 Jan - 03
ABC LAB. NO.:	FGL0103.035

#### 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: 01/08/2003	Test ID: FGL0103035	Sample ID: CA0000000
End Date: 01/12/2003	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 01/08/2003	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP300147		

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

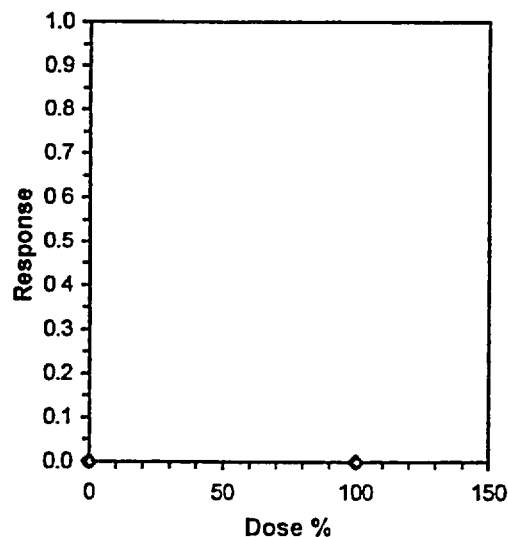
**Auxiliary Tests**

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

Statistic      Critical      Skew      Kurt

**Linear Interpolation (200 Resamples)**

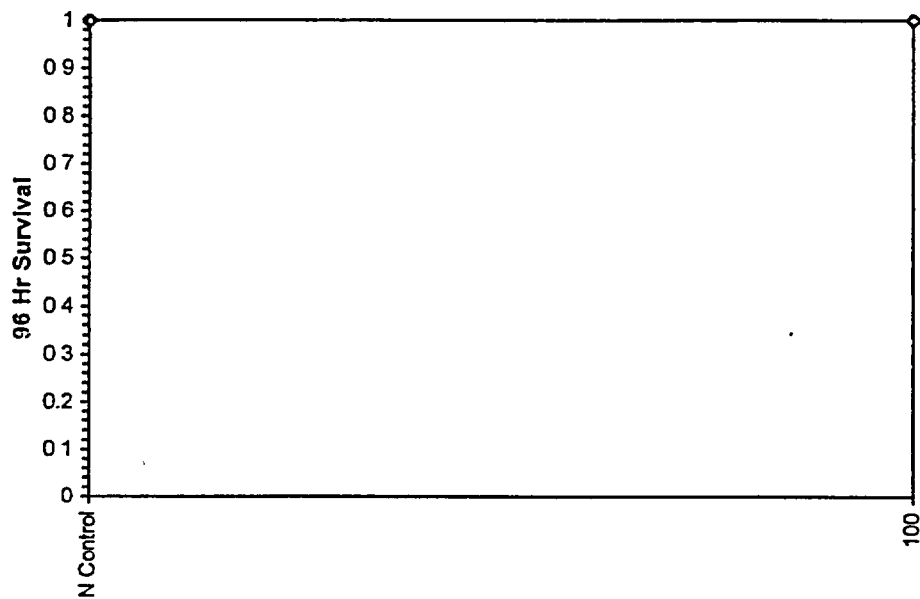
Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



-96 Hr Survival

Start Date:	01/08/2003	Test ID:	FGL0103035	Sample ID:	CA0000000
End Date:	01/12/2003	Lab ID:	CAABC	Sample Type:	EFF3-Power Plant
Sample Date:	01/08/2003	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001 SP300147				

Dose-Response Plot



**-96 Hr Survival**

Start Date	01/08/2003	Test ID:	FGL0103035	Sample ID.	CA0000000
End Date:	01/12/2003	Lab ID.	CAABC	Sample Type	EFF3-Power Plant
Sample Date:	01/08/2003	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Halotis rufescens
omments:	Discharge 001 SP300147				

**Auxiliary Data Summary**

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	15.48	15.40	15.60	0.08	1.81	10
100		15.40	15.10	15.80	0.18	2.73	10
N Control	pH	7.80	7.70	8.00	0.12	4.36	10
100		7.75	7.70	8.00	0.11	4.24	10
N Control	DO mg/L	7.57	7.30	7.80	0.19	5.83	10
100		7.73	7.60	7.90	0.11	4.21	10
N Control	Salinity ppt	33.00	33.00	33.00	0.00	0.00	10
100		33.00	33.00	33.00	0.00	0.00	10
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0

**APPENDIX 6**

**DIABLO CANYON POWER PLANT**

**Chronic Bioassay**

**January 9 -11, 2003**



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

January 24, 2003

Ms. Raquel Harvey  
FGL Environmental  
P.O. Box 272  
Santa Paula, CA 93060

Dear Ms. Harvey:


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:	Diablo Canyon Power Plant
SAMPLE I.D.:	Discharge 001 SP300147
DATE RECEIVED:	08 Jan - 03
ABC LAB. NO.:	FGL0103.036

#### CHRONIC ABALONE LARVAL DEVELOPMENT BIOASSAY

NOEC =	100.00 %
TU <sub>c</sub> =	1.00
IC <sub>25</sub> =	>100.00 %
IC <sub>50</sub> =	>100.00 %

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

# Abarone Larval Development Test-Proportion No...

Start Date: 01/09/2003 Test ID: FGL0103036 Sample ID: CA0000000  
 End Date: 01/11/2003 Lab ID: CAABC Sample Type: EFF1-POTW  
 Sample Date: 01/08/2003 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens  
 Comments: Discharge 001 SP300147

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					Rank Sum	1-Tailed Critical	Isotonic	
			Mean	Min	Max	CV%	N			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

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

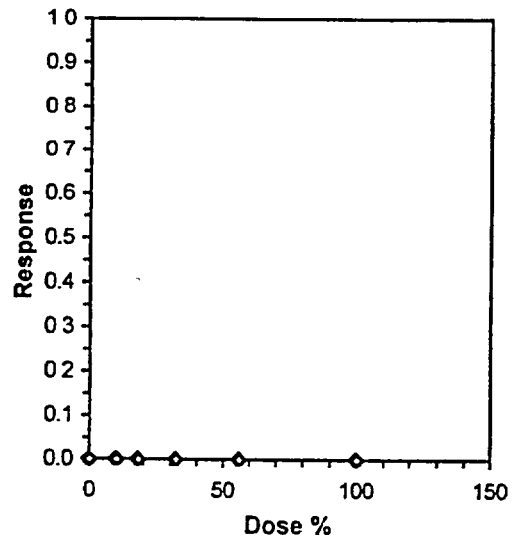
Equality of variance cannot be confirmed

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

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

## Linear Interpolation (200 Resamples)

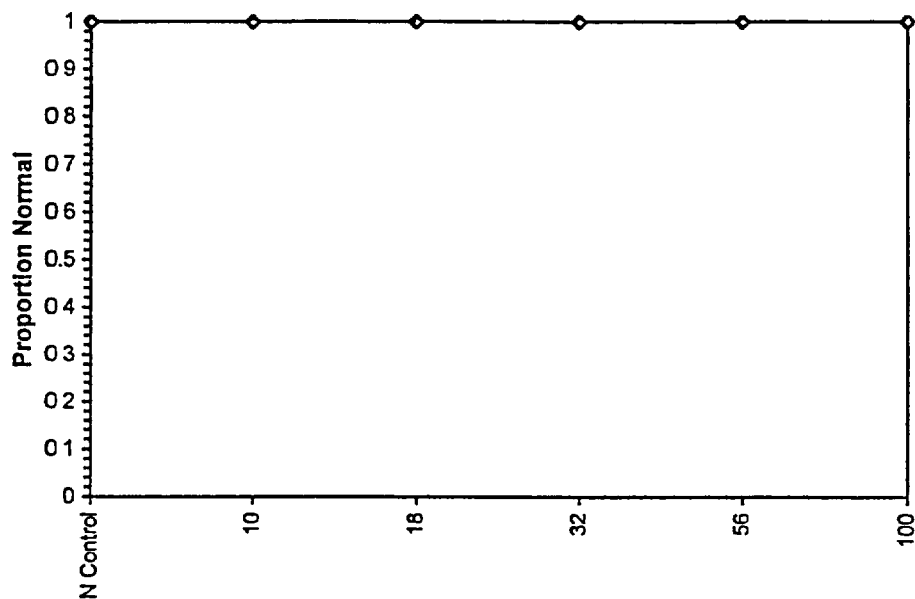
Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



# Abaone Larval Development Test-Proportion Normal

Start Date: 01/09/2003	Test ID: FGL0103036	Sample ID: CA0000000
End Date: 01/11/2003	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 01/08/2003	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP300147		

Dose-Response Plot



**Abaione Larval Development Test-Proportion Normal**

Start Date: 01/09/2003	Test ID: FGL0103036	Sample ID: CA0000000
End Date: 01/11/2003	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 01/08/2003	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP300147		

**Auxiliary Data Summary**

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	16.50	16.50	16.50	0.00	0.00	2
10		16.50	16.50	16.50	0.00	0.00	2
18		16.50	16.50	16.50	0.00	0.00	2
32		16.50	16.50	16.50	0.00	0.00	2
56		16.50	16.50	16.50	0.00	0.00	2
100		16.50	16.50	16.50	0.00	0.00	2
N Control	pH	7.70	7.70	7.70	0.00	0.00	2
10		7.70	7.70	7.70	0.00	0.00	2
18		7.70	7.70	7.70	0.00	0.00	2
32		7.70	7.70	7.70	0.00	0.00	2
56		7.75	7.70	7.80	0.07	3.43	2
100		7.75	7.70	7.80	0.07	3.43	2
N Control	DO mg/L	6.65	5.90	7.40	1.06	15.49	2
10		6.65	6.20	7.10	0.64	12.00	2
18		6.35	5.60	7.10	1.06	16.22	2
32		6.35	5.60	7.10	1.06	16.22	2
56		6.35	5.60	7.10	1.06	16.22	2
100		6.30	5.50	7.10	1.13	16.88	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





TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

### CHRONIC ABALONE DEVELOPMENT BIOASSAY

DATE: 09 Jan - 03

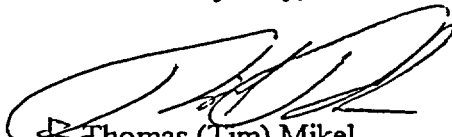
STANDARD TOXICANT: Zinc

NOEC = 10.00 ug/l

IC25 = 18.91 ug/l

IC50 = 25.27 ug/l

Yours very truly,



Thomas (Tim) Mikel  
Laboratory Director

# Abalone Larval Development Test-Proportion No

Start Date: 01/09/2003 Test ID: ABS01.2003 Sample ID: REF-Ref Toxicant  
 End Date: 01/11/2003 Lab ID: ABC LABS Sample Type: ZNSO-Zinc sulfate  
 Sample Date: 01/09/2003 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens  
 Comments: Standard Toxicant

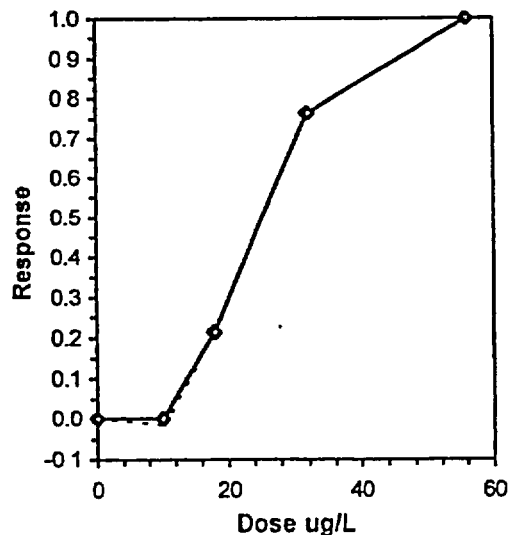
Conc-ug/L	1	2	3	4	5
Control	0.9800	0.9600	0.9900	0.9100	1.0000
10	0.9600	0.9800	0.9700	1.0000	1.0000
18	0.4700	0.8700	0.6700	0.8600	0.9600
32	0.1100	0.1200	0.2700	0.2700	0.3800
56	0.0000	0.0000	0.0000	0.0000	0.0000

Conc-ug/L	Mean	N-Mean	Transform: Arcsin Square Root					t-Stat	1-Tailed Critical	MSD	Isotonic	
			Mean	Min	Max	CV%	N				Mean	N-Mean
Control	0.9680	1.0000	1.4112	1.2661	1.5208	6.966	5				0.9750	1.0000
10	0.9820	1.0145	1.4473	1.3694	1.5208	4.856	5	-0.378	2.230	0.2133	0.9750	1.0000
*18	0.7660	0.7913	1.0946	0.7554	1.3694	21.866	5	3.310	2.230	0.2133	0.7660	0.7856
*32	0.2300	0.2376	0.4898	0.3381	0.6642	28.578	5	9.634	2.230	0.2133	0.2300	0.2359
56	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 normal distribution ( $p > 0.01$ )					0.96317	0.868	-0.448	0.74857
Bartlett's Test indicates equal variances ( $p = 0.12$ )					5.90736	11.3449		
Hypothesis Test (1-tail, 0.05)					NOEC	LOEC	ChV	TU
Dunnett's Test					10	18	13.4164	
					MSDu	MSDp	MSB	MSE
					0.10747	0.11026	0.98236	0.02287
								F-Prob
								7.0E-08
								df
								3, 16

## Linear Interpolation (200 Resamples)

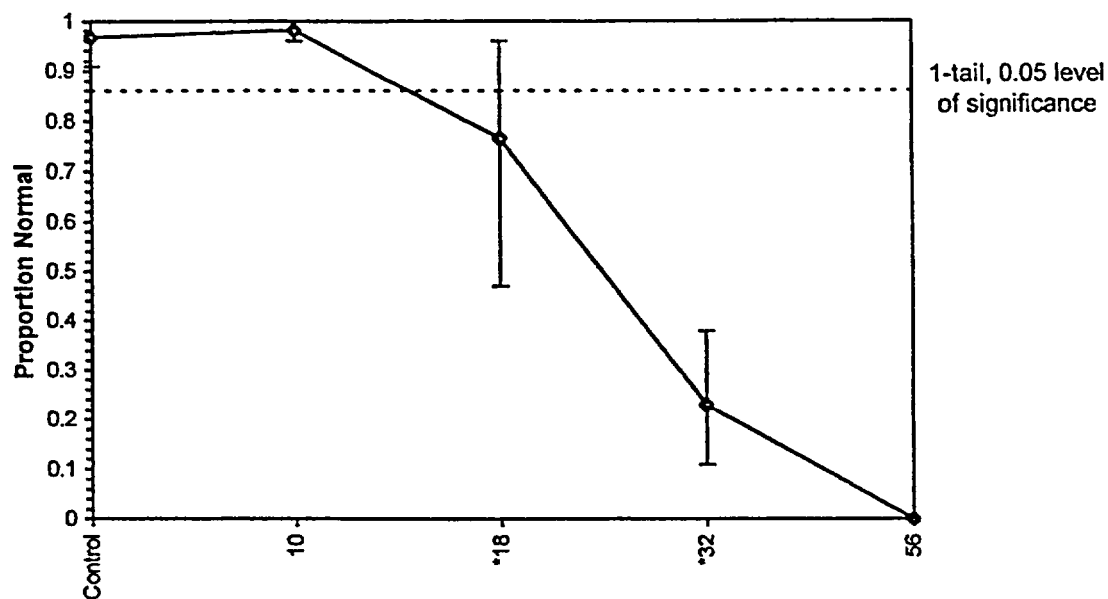
Point	ug/L	SD	95% CL(Exp)		Skew
IC05	11.866	0.867	10.500	15.359	1.3824
IC10	13.732	1.600	11.145	20.324	1.0314
IC15	15.598	1.782	11.717	21.032	0.2975
IC20	17.464	1.736	12.486	21.729	-0.1854
IC25	18.908	1.661	13.489	22.619	-0.4348
IC40	22.728	1.481	17.032	26.029	-0.9957
IC50	25.274	1.229	21.154	28.237	-0.8460



# Abalone Larval Development Test-Proportion Normal

Start Date: 01/09/2003	Test ID: ABS01.2003	Sample ID: REF-Ref Toxicant
End Date: 01/11/2003	Lab ID: ABC LABS	Sample Type: ZNSO-Zinc sulfate
Sample Date: 01/09/2003	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant		

Dose-Response Plot



# AL One Larval Development Test-Proportion N

Start Date: 01/09/2003      Test ID: ABS01.2003      Sample ID: REF-Ref Toxicant  
End Date: 01/11/2003      Lab ID: ABC LABS      Sample Type: ZNSO-Zinc sulfate  
Sample Date: 01/09/2003      Protocol: MBP 90-Anderson et al.      Test Species: HR-Haliotis rufescens  
Comments: Standard Toxicant

## Auxiliary Data Summary

Conc-ug/L	Parameter	Mean	Min	Max	SD	CV%	N
Control	Temp C	16.50	16.50	16.50	0.00	0.00	2
18		16.50	16.50	16.50	0.00	0.00	2
32		16.50	16.50	16.50	0.00	0.00	2
56		16.50	16.50	16.50	0.00	0.00	2
100		16.50	16.50	16.50	0.00	0.00	2
Control	pH	7.75	7.70	7.80	0.07	3.43	2
18		7.75	7.70	7.80	0.07	3.43	2
32		7.75	7.70	7.80	0.07	3.43	2
56		7.75	7.70	7.80	0.07	3.43	2
100		7.75	7.70	7.80	0.07	3.43	2
Control	DO mg/L	6.50	5.90	7.10	0.85	14.17	2
18		6.60	5.90	7.30	0.99	15.08	2
32		6.45	5.80	7.10	0.92	14.86	2
56		6.40	5.70	7.10	0.99	15.55	2
100		6.45	5.70	7.20	1.06	15.97	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