Pacific Gas and Electric Company

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

805 545 6000

Date: April 20, 2004

Ceertified/Return Receipt
7001-0360-0000-2103-5934

PG&E Letter DCL-2004-536

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 2004 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
☒	☐

Quarter: (check one):

1st	2nd	3rd	4th
☒	☐	☐	☐

Year: 2004 (Annual Reports for **DCPP** are Jan-Dec)

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

☐ **No** (there are no violations to report) (Please see Overview Item 3)

☐ **Yes**

If Yes is marked (complete a-g):

IE25

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): (If "YES", see overview section of attached report)
(attach additional information as needed)

g) Corrective Action(s): (If "YES", see overview section of attached report)
(attach additional information as needed)

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,

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

2004536/RDH/kmo

cc: Michael Thomas, CCRWQCB
895 Aerovista, #101
San Luis Obispo, CA 93401-7906

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 76011-4005

Director, Division of Reactor Projects
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Dr., Suite 400
Arlington, TX 76011-4005

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

Enclosure

ENCLOSURE 1

FIRST QUARTER 2004

REPORT ON DISCHARGE MONITORING AT DIABLO CANYON POWER PLANT

PACIFIC GAS AND ELECTRIC COMPANY

NUCLEAR POWER GENERATION

First Quarter 2004

REPORT ON
DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

(NPDES No. CA0003751)

PACIFIC GAS AND ELECTRIC COMPANY

First Quarter 2004

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

TABLE OF CONTENTS

page

OVERVIEW 1

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent 2

B. Monitoring of Receiving Waters 2

C. Acti-Brom Treatment Program 3

APPENDIX 1: NPDES Discharge Points

APPENDIX 2: Influent and Effluent Monitoring - January 2004

APPENDIX 3: Influent and Effluent Monitoring - February 2004

APPENDIX 4: Influent and Effluent Monitoring – March 2004

APPENDIX 5: Acute Bioassay, January 14 - 18, 2004

APPENDIX 6: Chronic Bioassay, January 15 - 17, 2004

OVERVIEW

1. During the first quarter of 2004, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001F, 001G, 001H, 001J, 001L, 001M, 001N, 001P, and 002 through 015. No discharges occurred from Discharge Paths 001E, 001I, 001K, 16 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. On March 13, 2004, the RWQCB (Michael Thomas) was notified by phone of a Daily Maximum 001J (Condensate Pumps Discharge Header Overboard) oil and grease sample exceedance. During a three-hour startup testing of plant steam supply to steam generator cleaning equipment, approximately 600 gallons of condensate was drained to 001J. An oil and grease sample result during startup was 32ppm. All other NPDES permit parameters were well below limits. The test was completed prior to additional oil and grease sample collection. Further plant steam testing was not drained to a discharging NPDES flowpath until compliance with all NPDES permit parameters was confirmed.

4. During the first quarter of 2004, 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.

Date	System	Volume (gal)	Glutaraldehyde (mg/l)	Isothiazolin (mg/l)
1/19/04	Unit 2 ICW	3603	0	2
1/22/04	Unit 2 ICW	3603	0	2
3/8/04	Unit 2 ICW	50	0	2
3/11/04	Unit 2 SCW	30	0	0
3/17/04	Unit 2 ICW	50	0	2
3/19/04	Unit 2 ICW	3763	0	0
3/22/04	Unit 1 SCW	150	0	0

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the January, February, and March 2004 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 14 - 18, 2004, 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 15 - 17, 2004, 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 conduits started 2004 with simultaneous sodium hypochlorite and Acti-Brom treatments six times daily. Injections for conduit 1-1 were shut down for a few days in mid-January for a saltwater leak search. Acti-Brom injections were shut down for both Unit 1

conduits on February 3, 2004 in preparation for the 1R12 refueling outage. Sodium hypochlorite injections were shut down on March 19 for the 1R12 refueling outage.

During the first quarter of 2004, conduit 2-1 continued simultaneous injections of sodium hypochlorite and Acti-Brom six times daily, while conduit 2-2 continued the experiment to test the effectiveness of sodium bromide, receiving simultaneous six times daily injections of sodium hypochlorite and sodium bromide. There was a brief interruption due to maintenance activities in early March.

APPENDIX 1

DIABLO CANYON POWER PLANT

NPDES DISCHARGE POINTS	
DISCHARGE NUMBER	DESCRIPTION
001	Once-Though 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 2004

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 04 / 01 / 01 | YEAR / MO / DAY ENDING 04 / 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		55.2		74.6		19.4		2486								
2		55.7		75.1		19.4		2486								
3		55.2		74.7		19.5		2486								
4		54.5		74.1		19.6		2486								
5		54.3		73.8		19.5		2486								
6		54.5		74.0		19.5		2486								
7		54.5		73.9		19.4		2486								
8		54.6		74.0		19.4		2486								
9		54.6		74.0		19.4		2486								
10		54.6		74.0		19.4		2486								
11		54.7		74.1		19.4		2486								
12		54.9		74.3		19.4		2486								
13		55.0		74.4		19.4		2486					2	8.0	2	8.0
14		54.8		74.2		19.4		2486								
15		54.3		73.6		19.3		2486								
16		53.9		72.5		18.6		2027								
17		54.3		73.3		19.0		1874								
18		54.7		73.6		18.9		1950								
19		54.8		74.2		19.4		2486								
20		54.6		74.1		19.5		2486								
21		54.5		74.0		19.5		2486								
22		54.7		74.1		19.4		2486								
23		54.8		74.2		19.4		2486		8.0		8.0				
24		54.7		74.1		19.4		2486								
25		54.7		74.1		19.4		2486								
26		54.2		73.7		19.5		2486								
27		54.4		73.9		19.5		2486								
28		54.6		74.0		19.4		2486								
29		54.2		73.6		19.4		2486								
30		53.8		73.2		19.4		2486								
31		52.9		72.3		19.4		2486								
MONTHLY AVG		54.6		73.9		19.4		2434		8.0		8.0		8.0		8.0
MONTHLY HIGH		55.7		75.1		19.6		2486		8.0		8.0		8.0		8.0
MONTHLY LOW		52.9		72.3		18.6		1874		8.0		8.0		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	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Bryan K. Cunningham for Drew Bouldros	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 2

FACILITY I.D. 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 01 / 01 | YEAR / MO / DAY ENDING 04 / 01 / 31 | STATE CODE 06 | NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
	*	*	*	*	*	*	*	*
1							12 30	533
2							12 36	533
3							12 33	533
4							12 30	533
5			3 ND(5)				12 43	533
6							12 30	533
7							12 25	497
8			3 ND(5)				12 47	482
9							12 43	533
10							12 52	562
11							12 43	562
12							12 36	562
13	8.0	8.0					12 43	576
14							12 43	590
15			3 ND(5)				12 47	562
16							12 56	425
17							12 47	418
18							12 39	490
19							12 43	562
20							12 36	562
21			3 ND(5)				12 33	554
22							12 43	552
23						< 3	12 43	562
24							12 39	562
25							12 36	562
26							12 36	562
27			3 ND(5)				12 30	554
28							12 29	540
29							12 35	533
30							12 43	540
31							12 43	547
MONTHLY AVG	8.0	8.0	ND(5)	NO	NO	< 3	39	537
MONTHLY HIGH	8.0	8.0	ND(5)	DISCHARGE	DISCHARGE	< 3	56	590
MONTHLY LOW	8.0	8.0	ND(5)			< 3	25	418
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 Squyres	4/20/2004

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 I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT =
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK		EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK		EFFLUENT 001D SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY		EFFLUENT 001D SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY		EFFLUENT 001D SUSPENDED SOLIDS mg/l NET		EFFLUENT 001F SUSPENDED SOLIDS mg/l 1st FLTR		EFFLUENT 001F SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY		EFFLUENT 001F SUSPENDED SOLIDS mg/l NET
	*		*		*		*		*		*		*		*
1															
2					3	17			3	** 17					
3															
4															
5															
6						2				ND(5)					
7					3	< 1			3	** < 5					
8					2	43			2	43					
9															
10															
11															
12						15				15					
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23											2	4	2	< 1	2 ND(5)
24															
25															
26															
27															
28															
29															
30															
31															
MONTHLY AVG	NO		NO						**	14					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
Greg Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 4

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	CA0003751

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

REMARKS. * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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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) 5

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR	EFFLUENT 001I SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	EFFLUENT 001I SUSPENDED SOLIDS mg/l NET	EFFLUENT 001J SUSPENDED SOLIDS mg/l 1st FLTR	EFFLUENT 001J SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	EFFLUENT 001J SUSPENDED SOLIDS mg/l NET				
	•	•	•	•	•	•	•		•	•
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20				< 1			ND(5)			
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
Greg Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 6

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR	• mg/l 2nd FLTR GRAB MONTHLY	• mg/l NET	EFFLUENT 001L SUSPENDED SOLIDS •	mg/l 1st FLTR	• mg/l 2nd FLTR GRAB MONTHLY	• mg/l NET
1							
2							
3							
4							
5							
6				2	< 1		2 ND(5)
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
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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
Susan Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 7

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	CA0003751

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

REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET
	GRAB MONTHLY	GRAB MONTHLY		GRAB MONTHLY	GRAB MONTHLY	
	*	*	*	*	*	*
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13	2 2	2 < 1	2 ND(5)	2 5	2 < 1	2 < 5
14						
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16						
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19						
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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	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Drew Squyres	4/20/2004

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) 9

FACILITY I.D	YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	04 / 01 / 01	ENDING 04 / 01 / 31	05	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)				
6						
7						
8		ND(0.1)				
9						
10						
11						
12						
13						
14						
15		ND(0.1)				
16						
17						
18						
19						
20						
21		ND(0.1)				
22						
23			ND(10)	ND(10)	ND(10)	ND(10)
24						
25						
26						
27		ND(0.1)				
28						
29						
30						
31						
MONTHLY AVG	NO	ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH	DISCHARGE	ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW		ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
TIMES EXCEEDED	NO LIMIT NO LIMIT MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 =0	6M-MED 10 =0	6M-MED 30 =0	6M-MED 70=0
TIMES EXCEEDED	D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0
TIMES EXCEEDED			I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0

REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Greg Squyres	4/20/2004

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	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT T CHROMIUM ug/1 GRAB JA/AP/JUL/OCT		INFLUENT COPPER ug/1 GRAB JA/AP/JUL/OCT		INFLUENT NICKEL ug/1 GRAB JA/AP/JUL/OCT		INFLUENT AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT		EFFLUENT 001G OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT		EFFLUENT 001H OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	
	*		*		*		*	*	*		*		*	
1														
2									2	** < 3				
3													<	3
4														
5														
6										< 3		< 3		
7									2	< 3				
8										13				
9														
10														
11														
12														
13														
14														
15														
16							ND(200)	ND(200)						
17														
18														
19														
20														
21														
22														
23		ND(10)		ND(10)		ND(10)								
24														
25														
26														
27														
28														
29														
30														
31														
MONTHLY AVG		ND(10)		ND(10)		ND(10)		ND(200)	ND(200)	**	3	< 3	<	3
MONTHLY HIGH		ND(10)		ND(10)		ND(10)		ND(200)	ND(200)		13	< 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	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Drew Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
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DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 2

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	06	CA0000375

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

REMARKS: • • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Drew Squyres	4/20/2004

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
AVILA BEACH, CALIF 93424

PAGE: (Q) 3

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT =
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	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					0.4							
2									2	ND(0.2)		0.5
3												
4							2	1				
5												
6												
7												
8												
9												
10												
11												
12												
13		< 3										
14				0.00								
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

MONTHLY AVG	< 3	0.00	0.4	1	ND(0.2)	0.5
MONTHLY HIGH	< 3	0.00	0.4	1	ND(0.2)	0.5
MONTHLY LOW	< 3	0.00	0.4	1	ND(0.2)	0.5

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
Drew Squyres	4/20/2004

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

FACILITY I.D. 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 01 / 01 | YEAR / MO / DAY ENDING 04 / 01 / 31 | STATE CODE 06 | NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	*	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
1	4								10						
2					2	4		4					2	2	28
3															
4			2	9							2	36			
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
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21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
MONTHLY AVG	4		9		4		4		10		36		2		28
MONTHLY HIGH	4		10		4		4		10		38		2		28
MONTHLY LOW	4		7		3		4		10		34		2		28
TIMES EXCEEDED	NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT
TIMES EXCEEDED															
TIMES EXCEEDED															

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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 #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	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	
	*		*		*		*		*		*		*		*	
1		2.7								ND(0.2)						
2					2	0.7		2.2					2	ND(0.2)		ND(0.1)
3																
4			2	5.9							2	ND(0.2)				
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
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20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
MONTHLY AVG		2.7		5.9		0.7		2.2		ND(0.2)		ND(0.2)		ND(0.2)		ND(0.1)
MONTHLY HIGH		2.7		6.4		1.0		2.2		ND(0.2)		ND(0.2)		ND(0.2)		ND(0.1)
MONTHLY LOW		2.7		5.3		0.3		2.2		ND(0.2)		ND(0.1)		ND(0.2)		ND(0.1)
TIMES EXCEEDED		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT
TIMES EXCEEDED																
TIMES EXCEEDED																

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Steve Squyres	4/20/2004

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) 6

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001H NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001L NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001F NICKEL ug/1 1 WEEK COMP JA/AP/JUL/OCT		EFFLUENT 001D SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001H SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001L SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001F SILVER ug/1 1 WEEK COMP JA/AP/JUL/OCT	
	*		*		*		*		*		*		*		*	
1		5								ND(1)						
2					2	ND(4)		ND(2)					2	ND(1)		ND(1)
3																
4			2	10							2	ND(1)				
5																
6																
7																
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26																
27																
28																
29																
30																
31																
MONTHLY AVG		5		10		ND(4)		ND(2)		ND(1)		ND(1)		ND(1)		ND(1)
MONTHLY HIGH		5		12		ND(4)		ND(2)		ND(1)		ND(1)		ND(1)		ND(1)
MONTHLY LOW		5		8		ND(2)		ND(2)		ND(1)		ND(1)		ND(1)		ND(1)
TIMES EXCEEDED		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT
TIMES EXCEEDED																
TIMES EXCEEDED																

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Dale Squyres	4/20/2004

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

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001H ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001L ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001F ZINC ug/1 1 WEEK COMP JA/AP/JUL/OCT
1	100						
2				2	ND(10)		30
3							
4			2 ND(10)				
5							
6							
7							
8							
9							
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29							
30							
31							
MONTHLY AVG	100		ND(10)		ND(10)		30
MONTHLY HIGH	100		ND(10)		ND(10)		30
MONTHLY LOW	100		ND(10)		ND(10)		30
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
Steven Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO CA 9340*

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CC
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 04 / 01 / 01	ENDING 04 / 01 / 31	05	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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31					
MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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) 9

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 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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31										
MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE		NO DISCHARGE		NO DISCHARGE		NO DISCHARGE		NO DISCHARGE	
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	MO AVG 1 = 0 D MAX 1 = 0		MO AVG 1 = 0 D MAX 1 = 0		MO AVG 1 = 0 D MAX 1 = 0		MO AVG 1 = 0 D MAX 1 = 0		MO AVG 1 = 0 D MAX 1 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Isguyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 1

FACILITY I.D: 3 402003001 | YEAR / MO / DAY BEGINNING: 04 / 01 / 01 | YEAR / MO / DAY ENDING: 04 / 01 / 31 | STATE CODE: 05 | 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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23								ND(10)
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25								
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29								
30								
31								
MONTHLY AVG								** ND(10)
MONTHLY HIGH								ND(10)
MONTHLY LOW								ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0 D MAX 150 = 0 I MAX 400 = 0	NO LIMIT	6M-MED 10 = 0 D MAX 20 = 0 I MAX 50 - 0	NO LIMIT	6M-MED 10 = 0 D MAX 40 = 0 I MAX 100 =0	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 2

FACILITY I.D. 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 01 / 01 | YEAR / MO / DAY ENDING 04 / 01 / 31 | STATE CODE 06 | NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	*	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	*	INFLUENT SILVER ug/l GRAB OCTOBER	*	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	*	INFLUENT CYANIDE ug/l GRAB OCTOBER	*	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	*	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	*	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	*
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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 Squyres	4/20/2004

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	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	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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28														
29														
30														
31														
MONTHLY AVG														
MONTHLY HIGH														
MONTHLY LOW														
TIMES EXCEEDED	NO LIMIT		6M-MED 10=0		NO LIMIT		NO LIMIT		NO LIMIT		MO AVG 15=0		MO AVG 15=0	
TIMES EXCEEDED			DMAX 20=0								DMAX 20=0		DMAX 20=0	
TIMES EXCEEDED			IMAX 50=0											

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 4

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER		EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER		EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER		EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER		EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER		INFLUENT PCB'S ug/l GRAB OCTOBER		EFFLUENT 001 PCB'S ug/l GRAB OCTOBER	
	*		*		*		*		*		*		*	
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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		DMAX20=0					
TIMES EXCEEDED														

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew. Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 5

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	CA0003751

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 01 / 01	ENDING 04 / 01 / 31	05	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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1								
2								
3								
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25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0	

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Greg Squyres	4/20/2004

APPENDIX 3

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

February 2004

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 04 / 02 / 01 | YEAR / MO / DAY ENDING 04 / 02 / 29 | 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	52.5		71.9		19.4		2486								
2	53.3		72.7		19.4		2486								
3	53.8		73.2		19.4		2486								
4	52.4		72.0		19.6		2486								
5	52.2		71.8		19.6		2486								
6	52.4		72.0		19.6		2486								
7	52.5		72.1		19.6		2486								
8	52.3		71.8		19.5		2486								
9	52.3		71.8		19.5		2486								
10	52.3		71.8		19.5		2486					2	7.7	2	7.9
11	52.6		72.2		19.6		2486								
12	52.9		72.4		19.5		2486								
13	53.5		72.9		19.4		2486								
14	53.7		73.1		19.4		2486								
15	53.7		73.1		19.4		2486								
16	53.5		72.9		19.4		2486								
17	54.0		73.3		19.3		2486		7.9		8.0				
18	54.3		73.8		19.5		2486								
19	53.8		73.3		19.5		2486								
20	53.2		72.7		19.5		2486								
21	53.4		72.9		19.5		2486								
22	53.9		73.3		19.4		2486								
23	53.8		73.1		19.3		2486								
24	53.8		71.5		17.7		2486								
25	54.0		68.8		14.8		2486								
26	54.7		60.6		5.9		2486								
27	54.5		69.9		15.4		2486								
28	53.9		72.5		18.6		2486								
29	53.2		71.8		18.6		2486								
30															
31															
MONTHLY AVG	53.3		71.9		18.6		2486		7.9		8.0		7.7		7.9
MONTHLY HIGH	54.7		73.8		19.6		2486		7.9		8.0		7.7		7.9
MONTHLY LOW	52.2		60.6		5.9		2486		7.9		8.0		7.7		7.9
TIMES EXCEEDED	NO LIMIT		NO LIMIT		MAX 22 = 0 (**)		MAX 2760 = 0		NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT
TIMES EXCEEDED															
TIMES EXCEEDED															

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
BRYANT K. CUNNINGHAM FOR Drew Elliott	4/20/2004

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 04 / 02 / 01	ENDING 04 / 02 / 29	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 003 pH pH UNITS GRAB MONTHLY		EFFLUENT 004 pH pH UNITS GRAB MONTHLY		EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY		EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY		EFFLUENT 001 T CHLOR RES ug/l GRAB 2 per CYCLE		EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
	*		*		*		*	*	*		*		*
1											12	43	547
2											12	35	547
3											12	36	547
4											12	36	554
5					3	ND(5)					12	39	562
6											12	47	554
7											12	52	547
8											12	62	547
9										3	12	52	547
10		7.9		7.9					2	< 3	12	47	533
11					3	ND(5)				< 3	12	47	518
12											12	47	511
13										< 3	12	35	504
14											12	30	504
15											12	30	504
16										< 3	12	25	504
17					3	ND(5)				< 3	12	22	504
18											12	35	547
19											12	42	612
20										< 3	12	52	634
21											12	39	634
22											12	36	634
23					3	ND(5)					12	36	634
24										< 3	12	39	641
25											12	52	670
26											12	57	710
27										3	12	52	749
28											12	52	749
29											12	62	749
30													
31													
MONTHLY AVG		7.9		7.9		ND(5)		NO	NO	< 3		43	586
MONTHLY HIGH		7.9		7.9		ND(5)		DISCHARGE	DISCHARGE	3		62	749
MONTHLY LOW		7.9		7.9		ND(5)				< 3		22	504
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 Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO CA 9340*

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT =
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK		EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK		EFFLUENT 001C SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY					EFFLUENT 001F SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY					
	*		*		*	mg/l 1st FLTR	*	mg/l 2nd FLTR	*	mg/l NET	*	mg/l 1st FLTR	*	mg/l 2nd FLTR	*	mg/l NET
1																
2																
3																
4																
5					2	18			2	18						
6						2				ND(5)						
7																
8																
9												13		1		12
10						3				ND(5)	3	2	3	< 1	3	ND(5)
11												< 1		< 1		ND(5)
12					2	23			2	23						
13												< 1				ND(5)
14																
15																
16												< 1				ND(5)
17					2	62			2	62		< 1				ND(5)
18																
19																
20												1				ND(5)
21																
22																
23																
24												4		< 1		ND(5)
25																
26					2	31			2	31						
27												1				ND(5)
28																
29																
30																
31																
MONTHLY AVG	NO		NO						**	22					<	5
MONTHLY HIGH	DISCHARGE		DISCHARGE							66						12
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
Nancy Squyres	4/20/2004

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) 4

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	06	CA0003751

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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	YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	04 / 02 / 01	ENDING 04 / 02 / 29	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	EFFLUENT 001J SUSPENDED SOLIDS mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		
	*	*	*	*	*	*	*	*
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28								
29								
30								
31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW			NO DISCHARGE			NO DISCHARGE		
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0 MAX 100 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0 MAX 100 = 0		

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Gregg Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 6

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001K SUSPENDED SOLIDS				EFFLUENT 001L SUSPENDED SOLIDS				
	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	*	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	*	
		GRAB MONTHLY				GRAB MONTHLY			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10					2 < 1			2	ND(5)
11									
12									
13									
14									
15									
16									
17									
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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	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 7

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	05	CA0003751

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

REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Greg Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 6

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR	*	mg/l NET	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR	*	mg/l NET
	GRAB MONTHLY		GRAB MONTHLY			GRAB MONTHLY		GRAB MONTHLY		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10	2	1	2	< 1	ND(5)	2	2	2	< 1	ND(5)
11										
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27										
28										
29										
30										
31										
MONTHLY AVG					ND(5)					ND(5)
MONTHLY HIGH					ND(5)					ND(5)
MONTHLY LOW					ND(5)					ND(5)
TIMES EXCEEDED	NO LIMIT		NO LIMIT		MO AVG 30 = 0	NO LIMIT		NO LIMIT		MO AVG 30 = 0
TIMES EXCEEDED					D MAX 100 = 0					D MAX 100 = 0
TIMES EXCEEDED										

REMARKS. * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Dave Squyres	4/20/2004

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

FACILITY I.D	YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	04 / 02 / 01	ENDING 04 / 02 / 29	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)				
6								
7								
8								
9								
10								
11				ND(0.1)				
12								
13								
14								
15								
16								
17				ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
18								
19								
20								
21								
22								
23				ND(0.1)				
24								
25								
26								
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 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70=0
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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 04 / 02 / 01 | YEAR / MO / DAY ENDING 04 / 02 / 29 | STATE CODE 05 | NPDES PERMIT = CA000375*

STATION ANALYSIS UNITS SMPL TYPE FREQ.	*	INFLUENT T CHROMIUM ug/1 GRAB JA/AP/JUL/OCT	*	INFLUENT COPPER ug/1 GRAB JA/AP/JUL/OCT	*	INFLUENT NICKEL ug/1 GRAB JA/AP/JUL/OCT	*	INFLUENT AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	*	EFFLUENT 001 AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	*	EFFLUENT 001D OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	*	EFFLUENT 001G OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	*	EFFLUENT 001H OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
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16												< 3				
17		ND(10)		ND(10)		ND(10)										
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31																
MONTHLY AVG		ND(10)		ND(10)		ND(10)					**	< 3				
MONTHLY HIGH		ND(10)		ND(10)		ND(10)						< 3				
MONTHLY LOW		ND(10)		ND(10)		ND(10)						< 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	DATE
Drew. Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 2

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	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
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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
Greg Squyres	4/20/2004

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) 3

FACILITY LD	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	05	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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31											
MONTHLY AVG											
MONTHLY HIGH											
MONTHLY LOW											
TIMES EXCEEDED	MO AVG 15 = 0			NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT	
TIMES EXCEEDED	D MAX 20 = 0										
TIMES EXCEEDED			6M-MED 0.26=0								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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. 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 02 / 01 | YEAR / MO / DAY ENDING 04 / 02 / 29 | STATE CODE 06 | NPDES PERMIT # CA0003751

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Exquyres	4/20/2004

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

FACILITY I.D. 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 02 / 01 | YEAR / MO / DAY ENDING 04 / 02 / 29 | STATE CODE 05 | 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	
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REMARKS. * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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) 6

FACILITY I.D. 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 02 / 01 | YEAR / MO / DAY ENDING 04 / 02 / 29 | 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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REMARKS. • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Dave Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 7

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001H ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001L ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001F ZINC ug/1 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
Drew. Squyres	4/20/2004

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

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

PAGE: (Q) 8

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	06	CA000375*

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
Greg Squyres	4/20/2004

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
AVILA BEACH, CALIF 93424

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG		EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG		EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG		EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG		EFFLUENT 001M IRON mg/l 24-HR COMP METAL CLNG		
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE		NO DISCHARGE		NO DISCHARGE		NO DISCHARGE		NO DISCHARGE		
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REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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

PAGE: (A) 1

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
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TIMES EXCEEDED	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	
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REMARKS. * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Troy Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 2

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/1 GRAB OCTOBER	•	EFFLUENT 001 MERCURY ug/1 GRAB OCTOBER	•	INFLUENT SILVER ug/1 GRAB OCTOBER	•	EFFLUENT 001 SILVER ug/1 GRAB OCTOBER	•	INFLUENT CYANIDE ug/1 GRAB OCTOBER	•	EFFLUENT 001 CYANIDE ug/1 GRAB OCTOBER	•	INFLUENT PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER	•	EFFLUENT 001 PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER	•
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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
Gregor Squyres	4/20/2004

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	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	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 005 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
Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 4

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	05	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 OCTOBEER	
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REMARKS. * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Steve Squyres	4/20/2004

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
AVILA BEACH, CALIF 93424

FACILITY I.D 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 02 / 01 | YEAR / MO / DAY ENDING 04 / 02 / 29 | 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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REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Drew Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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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
AVILA BEACH, CALIF 93424

PAGE: (A) 6

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 02 / 01	ENDING 04 / 02 / 29	05	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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TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0	

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Greg Squyres	4/20/2004

APPENDIX 4

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

March 2004

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

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

PAGE: (M) 1

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	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	53.3		71.8		18.5		2486							
2	53.6		72.2		18.6		2486							
3	53.3		71.9		18.6		2486						2	7.9
4	52.8		71.3		18.5		2486							
5	52.5		71.0		18.5		2486							
6	52.1		70.7		18.6		2486							
7	52.4		70.9		18.5		2486							
8	53.4		71.8		18.4		2486							
9	53.2		71.6		18.4		2486							
10	52.5		70.9		18.4		2486							
11	53.2		71.6		18.4		2486							
12	53.8		72.2		18.4		2486							
13	54.2		72.6		18.4		2486							
14	53.7		72.2		18.5		2486							
15	53.4		73.4		20.0		2485							
16	54.6		74.5		19.9		2486							
17	55.3		73.6		18.3		2486							
18	55.7		73.9		18.2		2486							
19	55.2		73.5		18.3		2486		8.0	8.0		2	7.9	
20	55.4		73.8		18.4		2486							
21	54.0		72.3		18.3		2486							
22	52.3		68.5		16.2		1849							
23	51.8		71.6		19.8		1279							
24	51.8		71.6		19.8		1279							
25	51.6		71.4		19.8		1279							
26	51.9		71.7		19.8		1279							
27	51.2		70.2		19.0		1279							
28	51.6		71.1		19.5		1279							
29	52.4		72.1		19.7		1279							
30	51.2		71.0		19.8		1279							
31	50.6		70.5		19.9		1279							
MONTHLY AVG	53.0		71.9		18.8		2115		8.0	8.0		7.9		7.9
MONTHLY HIGH	55.7		74.5		20.0		2486		8.0	8.0		7.9		7.9
MONTHLY LOW	50.6		68.5		16.2		1279		8.0	8.0		7.9		7.9
TIMES EXCEEDED	NO LIMIT		NO LIMIT		MAX 22 = 0 (**)		MAX 2760 = 0		NO LIMIT	NO LIMIT		NO LIMIT		NO LIMIT
TIMES EXCEEDED														
TIMES EXCEEDED														

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

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Bryan K. Cunningham for Drew Bouyssou	4/20/2004

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	04 / 03 / 01	ENDING 04 / 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* GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
*	*	*	*	*	*	*	*	*
1							12 62	713
2						< 3	12 47	670
3	7.9						12 53	662
4			3 ND(5)			< 3	9 69	485
5							12 75	619
6							12 75	614
7							12 51	590
8						4	12 74	590
9							12 63	562
10			3 ND(5)				12 47	518
11							12 52	504
12							12 47	504
13							12 63	504
14							12 63	490
15							12 62	475
16			3 ND(5)				12 39	482
17							12 47	490
18							12 52	518
19		8.0					10 32	466
20							6 29	288
21							6 39	288
22							6 52	288
23							6 77	281
24						< 3	6 44	274
25			3 ND(5)				6 58	274
26							6 64	269
27							6 36	259
28							6 33	259
29						< 3	6 25	259
30							6 25	254
31							6 36	259
MONTHLY AVG	7.9	8.0	ND(5)	NO	NO	< 3	50	442
MONTHLY HIGH	7.9	8.0	ND(5)	DISCHARGE	DISCHARGE	4	77	713
MONTHLY LOW	7.9	8.0	ND(5)			< 3	25	254
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
Doug Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 3

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY		EFFLUENT 001D SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY		EFFLUENT 001D SUSPENDED SOLIDS mg/l NET		EFFLUENT 001F SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY		EFFLUENT 001F SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY		EFFLUENT 001F SUSPENDED SOLIDS mg/l NET
	*	*	*		*		*		*		*		*
1				3				ND(5)					
2									2	2	2	< 1	2 ND(5)
3				4				ND(5)					
4			2	33			2	33		< 1			ND(5)
5													
6			2	13			2	13					
7													
8										2			ND(5)
9			2	18			2	18					
10													
11			2	8			2	8					
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23			2	39			2	39					
24										1		< 1	ND(5)
25													
26													
27													
28													
29										< 1		< 1	ND(5)
30													
31			2	28			2	28					
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE					**	15					ND(5)
MONTHLY HIGH								42					ND(5)
MONTHLY LOW								ND(5)					ND(5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 = 90 % SMPLS>400	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	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 Squyres	4/20/2004

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) 4

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	06	CA0003751

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

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Susan Squyres	4/20/2004

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.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR	• mg/l 2nd FLTR GRAB MONTHLY	• mg/l NET	EFFLUENT 001J SUSPENDED SOLIDS mg/l 1st FLTR	• mg/l 2nd FLTR GRAB MONTHLY	• mg/l NET	•	•
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13				12		12		
14								
15								
16								
17								
18								
19								
20								
21								
22				< 1	< 1	ND(5)		
23								
24								
25								
26								
27								
28								
29								
30				2	< 1	ND(5)		
31				< 1	< 1	ND(5)		
MONTHLY AVG			NO			< 5		
MONTHLY HIGH			DISCHARGE			12		
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
Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 6

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	EFFLUENT 001L SUSPENDED SOLIDS mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET
	GRAB MONTHLY			GRAB MONTHLY		
	*	*	*	*	*	*
1						
2				2	< 1	2 ND(5)
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG			NO			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
Gregg Squyres	4/20/2004

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

FACILITY I.D	YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001M SUSPENDED SOLIDS mg/l 1st FLTR	* mg/l 2nd FLTR GRAB MONTHLY	* mg/l NET	*	EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	*	EFFLUENT 001P SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR GRAB MONTHLY	*	mg/l NET
1											
2											
3											
4					33						
5	8	< 1	8								
6											
7											
8											
9							9		9		ND(5)
10					ND(5)						
11											
12											
13											
14											
15											
16					19						
17											
18											
19											
20											
21											
22											
23											
24											
25					12						
26											
27											
28											
29											
30											
31											
MONTHLY AVG			8		16						ND(5)
MONTHLY HIGH			8		33						ND(5)
MONTHLY LOW			8		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
Drew Squyres	4/20/2004

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	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR		EFFLUENT 002 SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY		EFFLUENT 002 SUSPENDED SOLIDS mg/l NET		EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR		EFFLUENT 003 SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY		EFFLUENT 003 SUSPENDED SOLIDS mg/l NET	
	•		•		•		•		•		•	
1												
2												
3	2	3	2	< 1	2	ND(5)	2	8	2	< 1	2	8
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
MONTHLY AVG						ND(5)						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
Nancy Squyres	4/20/2004

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

FACILITY I.D	YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 40200300	BEGINNING	04 / 03 / 01	ENDING 04 / 03 / 31	05	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						ND(0.1)								
5														
6														
7														
8														
9								ND(10)		ND(10)		ND(10)		ND(10)
10						ND(0.1)								
11														
12														
13														
14														
15														
16						ND(0.1)								
17														
18														
19														
20														
21														
22														
23														
24														
25						ND(0.1)								
26														
27														
28														
29														
30														
31														
MONTHLY AVG				NO		ND(0.1)		ND(10)		ND(10)		ND(10)		ND(10)
MONTHLY HIGH				DISCHARGE		ND(0.1)		ND(10)		ND(10)		ND(10)		ND(10)
MONTHLY LOW						ND(0.1)		ND(10)		ND(10)		ND(10)		ND(10)
TIMES EXCEEDED	NO LIMIT		NO LIMIT	MO AVG 30 = 0		MO AVG 1.0 = 0		6M-MED 10 =0		6M-MED 10 =0		6M-MED 30 =0		6M-MED 70=0
TIMES EXCEEDED				D MAX 100 = 0		D MAX 3 0 = 0		D MAX 40 = 0		D MAX 50 = 0		D MAX 100 = 0		D MAX 380 = 0
TIMES EXCEEDED								I MAX 100 = 0		I MAX 140 = 0		I MAX 260 = 0		I MAX 990 = 0

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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

FACILITY LD	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT T CHROMIUM ug/1 GRAB JA/AP/JUL/OCT	*	INFLUENT COPPER ug/1 GRAB JA/AP/JUL/OCT	*	INFLUENT NICKEL ug/1 GRAB JA/AP/JUL/OCT	*	INFLUENT AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	*	EFFLUENT 001 AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	*	EFFLUENT 001D OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
1													
2													
3													
4													
5													
6													
7													
8													
9	ND(10)		ND(10)		ND(10)								
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)		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 D MAX 12240 = 0 I MAX 30600 = 0		MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0
TIMES EXCEEDED													
TIMES EXCEEDED													

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 2

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	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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MONTHLY HIGH		32			< 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 = 1	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
Gregory M. Rueger	4/20/2004

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: (Q) 3

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	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	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
Drew Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CC
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 04 / 03 / 01	ENDING 04 / 03 / 31	06	CA0000375

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																

REMARKS • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Steve Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 5

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	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
Drew Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 6

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	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	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Greg Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO CA 9340[illegible]

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	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001H ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001L ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT		EFFLUENT 001F ZINC ug/1 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
Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CC
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 04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP METAL CLNG
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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

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

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 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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MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Tracy Squyres	4/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 1

FACILITY I.D. 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 03 / 01 | YEAR / MO / DAY ENDING 04 / 03 / 31 | STATE CODE 05 | 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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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	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Drew Squyres	4/20/2004

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
AVILA BEACH, CALIF 93424

PAGE: (A) 2

FACILITY I.D 3 402003001 | YEAR / MO / DAY BEGINNING 04 / 03 / 01 | YEAR / MO / DAY ENDING 04 / 03 / 31 | STATE CODE 05 | NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT MERCURY ug/l GRAB OCTOBER	•	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	•	INFLUENT SILVER ug/l GRAB OCTOBER	•	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	•	INFLUENT CYANIDE ug/l GRAB OCTOBER	•	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	•	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	•	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	•
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TIMES EXCEEDED	NO LIMIT		6M-MED 0.2=0		NO LIMIT		6M-MED 2.9=0		NO LIMIT		6M-MED 30=0		NO LIMIT		6M-MED 150=0	
TIMES EXCEEDED			DMAX 0.8 = 0				DMAX 13.6=0				DMAX 100=0				DMAX 610= 0	
TIMES EXCEEDED			IMAX 2 = 0				IMAX 35= 0				IMAX 260=0				IMAX 1530=0	

REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Steve Squyres	4/20/2004

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

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	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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TIMES EXCEEDED	NO LIMIT	6M-MED 10=0 DMAX 20=0 IMAX 50=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0 DMAX 20=0	MO AVG 15=0 DMAX 20=0
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
Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 4

FACILITY I.D	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER		EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER		EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER		EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER		EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER		INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER	
	•		•		•		•		•			•	
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
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22													
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25													
26													
27													
28													
29													
30													
31													
MONTHLY AVG													
MONTHLY HIGH													
MONTHLY LOW													
TIMES EXCEEDED		MO AVG 15=0		MO AVG 15=0		MO AVG 15=0		MO AVG 15=0		MO AVG 15=0	NO LIMIT		NO LIMIT
TIMES EXCEEDED		DMAX 20=0		DMAX 20=0		DMAX 20=0		DMAX 20=0		DMAX20=0			
TIMES EXCEEDED													

REMARKS • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 5

FACILITY I.D. 3 40200300: | YEAR / MO / DAY BEGINNING 04 / 03 / 01 | YEAR / MO / DAY ENDING 04 / 03 / 31 | STATE CODE 05 | 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																
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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
Steve Squyres	4/20/2004

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 6

FACILITY I.D.	YEAR / MO / DAY	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING 04 / 03 / 01	ENDING 04 / 03 / 31	05	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
*	*	*	*	*	*	*	*	*
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	4/20/2004

APPENDIX 5

DIABLO CANYON POWER PLANT

Acute Bioassay

January 14 - 18, 2004

Env. Ops

AQUATIC BIOASSAY & CONSULTING LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

January 22, 2004

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:	SP 400402
DATE RECEIVED:	14 Jan - 04
ABC LAB. NO.:	FGL0104.083

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:	01/14/2004	Test ID:	FGL0104083	Sample ID:	CA0000000
End Date:	01/18/2004	Lab ID:	CAABC	Sample Type:	EFF3-Power Plant
Sample Date:	01/14/2004	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001 SP400402				

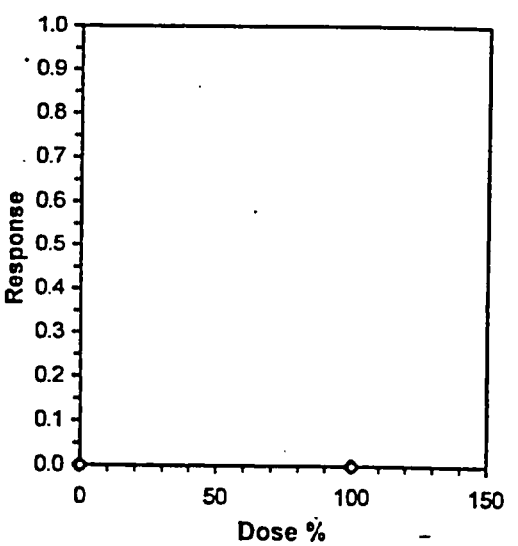
Conc-%	1	2
N Control	1.0000	1.0000
100	1.0000	1.0000

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

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Normality of the data set cannot be confirmed				
Equality of variance cannot be confirmed				

Linear Interpolation (200 Resamples)

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

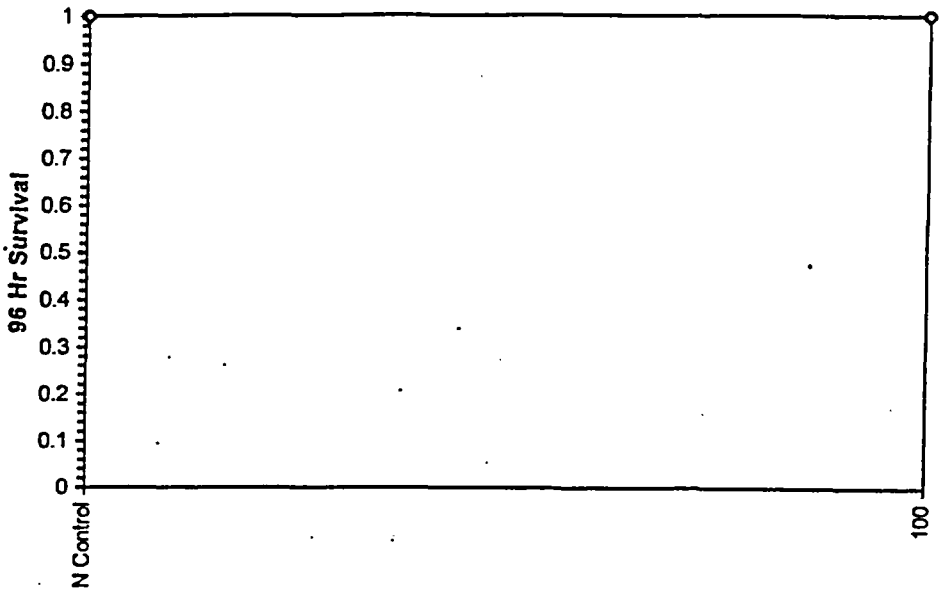


Reviewed by:

-96 Hr Survival

Start Date:	01/14/2004	Test ID:	FGL0104083	Sample ID:	CA0000000
End Date:	01/18/2004	Lab ID:	CAABC	Sample Type:	EFF3-Power Plant
Sample Date:	01/14/2004	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001 SP400402				

Dose-Response Plot



Reviewed by:

-96 Hr Survival

Start Date:	01/14/2004	Test ID:	FGL0104083	Sample ID:	CA0000000
End Date:	01/18/2004	Lab ID:	CAABC	Sample Type:	EFF3-Power Plant
Sample Date:	01/14/2004	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001 SP400402				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	14.80	14.30	15.60	0.44	4.51	10
100		14.53	14.30	14.80	0.18	2.89	10
N Control	pH	7.69	7.60	7.80	0.07	3.53	10
100		7.77	7.60	7.90	0.09	3.96	10
N Control	DO mg/L	7.09	6.30	7.40	0.38	8.68	10
100		7.17	6.50	7.80	0.45	9.38	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

APPENDIX 6

DIABLO CANYON POWER PLANT

Chronic Bioassay

January 15 - 17, 2004

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

January 28, 2004

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:	FGL Environmental
SAMPLE I.D.:	DCPP001 Discharge SP400402
DATE RECEIVED:	14 Jan - 04
ABC LAB. NO.:	FGL0104.084

CHRONIC ABALONE LARVAL DEVELOPMENT BIOASSAY

NOEC	=	100 %
TUc	=	1.00
IC25	=	>100.00 %
IC50	=	>100.00 %

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

Abalone Larval Development Test-Proportion Normal

Start Date:	01/15/2004	Test ID:	FGL0104084	Sample ID:	CA0000000
End Date:	01/17/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	01/14/2004	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001 SP400402				

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

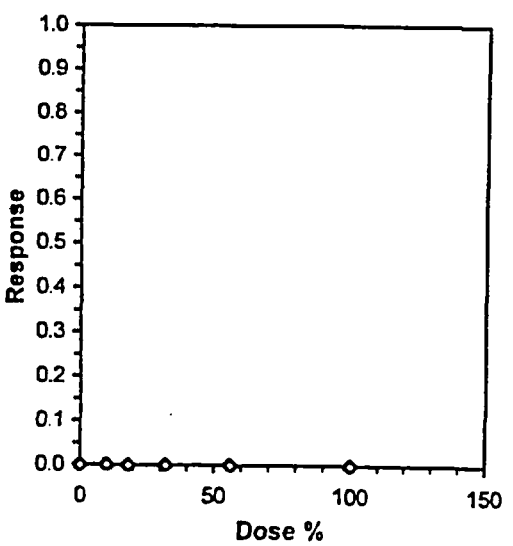
			Transform: Arcsin Square Root					Rank	1-Tailed	Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	Mean	N-Mean
N Control	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5			1.0000	1.0000
10	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
18	1.0000	1.0000	1.5208	1.5208	1.5208	0.000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

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	1	0.9		
Equality of variance cannot be confirmed				

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	100	>100		1

Linear Interpolation (200 Resamples)

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

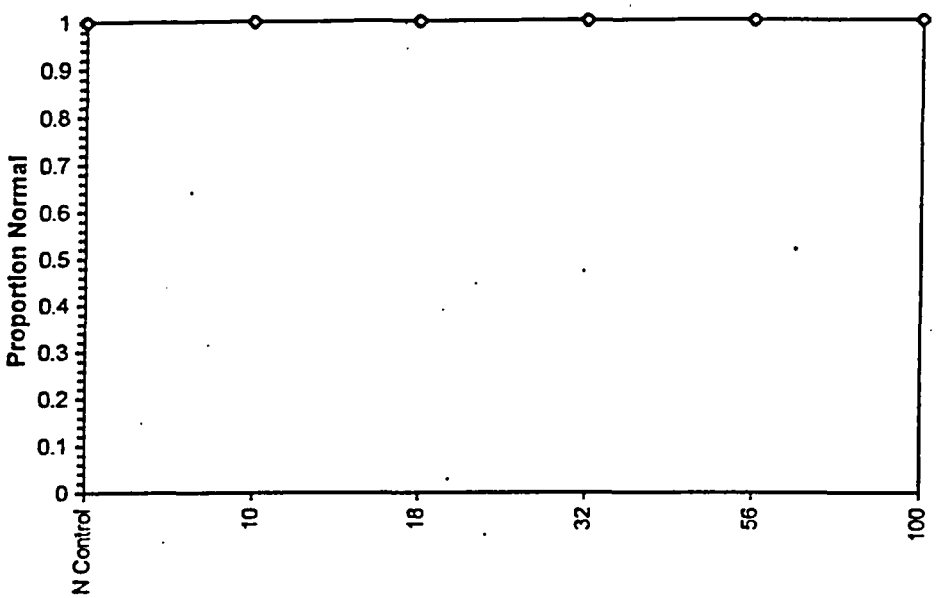


Reviewed by

Abalone Larval Development Test-Proportion Normal

Start Date:	01/15/2004	Test ID:	FGL0104084	Sample ID:	CA0000000
End Date:	01/17/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	01/14/2004	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001 SP400402				

Dose-Response Plot



Reviewed by

Abalone Larval Development Test-Proportion Normal

Start Date:	01/15/2004	Test ID:	FGL0104084	Sample ID:	CA0000000
End Date:	01/17/2004	Lab ID:	CAABC	Sample Type:	EFF1-POTW
Sample Date:	01/14/2004	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001 SP400402				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	15.50	15.20	15.80	0.42	4.20	2
10		15.50	15.20	15.80	0.42	4.20	2
18		15.50	15.20	15.80	0.42	4.20	2
32		15.50	15.20	15.80	0.42	4.20	2
56		15.50	15.20	15.80	0.42	4.20	2
100		15.50	15.20	15.80	0.42	4.20	2
N Control	pH	8.00	8.00	8.00	0.00	0.00	2
10		8.00	8.00	8.00	0.00	0.00	2
18		8.00	8.00	8.00	0.00	0.00	2
32		8.00	8.00	8.00	0.00	0.00	2
56		8.00	8.00	8.00	0.00	0.00	2
100		8.00	8.00	8.00	0.00	0.00	2
N Control	DO	8.00	8.00	8.00	0.00	0.00	2
10		8.00	7.60	8.40	0.57	9.40	2
18		7.95	7.50	8.40	0.64	10.03	2
32		7.80	7.30	8.30	0.71	10.78	2
56		7.60	7.20	8.00	0.57	9.90	2
100		7.55	7.20	7.90	0.49	9.32	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

Subcontra Chain of Custody

CLIENT DETAILS:
Client: FGL Environmental
Address: 853 Corporation Street
Santa Paula, CA 93061
Phone: (805) 659-0910 Fax: (805) 525-4172
Project: SP130402 Contact Person: Sara

REPORT INFORMATION:
Rush Analysis: ☐ 5 days ☐ 4 days ☐ 3 days ☐ 2 days ☐ 24 hours
Electronic Data Transfer: YES / NO
If yes, To: State____ Client____ Other____

REMARKS:
TU ABC

SAMPLING:
Sampler(s) K. WEBB

Sample Number	Location/Description	Date Sampled	Time Sampled	Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metals Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water (MW) Monitoring Well (GW) Ground Water (TB) Travel Blank (WW) Waste Water (DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	Preservative: (1) NaOH + ZnAc (2) NaOH (3) HCl (4) H2SO4 (5) HNO3 (6) Na2S2O3 (7) Other ____	ANALYSIS REQUESTED	Arsenic - Juvenile Rat Arsine	Arsenic - Juvenile Rat Arsine						
1	DCPP-301 Discharge	1/14/21	0930	G	1	P	NP	WW	—	—		X	X			0943			
2	↓ ↓ ↓	↓	0915	G	1	P	NP	WW	—	—		X	X						

CUSTODY:
Relinquished by: _____ Date: 1/14/21 Time: 3:00 Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: 1-14-21 Time: 3:00 Received by: _____ Date: _____ Time: _____

AQUATIC
BIOASSAY &
CONSULTING
LABORATORIES, INC.

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

CHRONIC ABALONE DEVELOPMENT BIOASSAY

DATE: 15 Jan - 04

STANDARD TOXICANT: Zinc

NOEC =	32.00 ug/l
IC25 =	37.41 ug/l
IC50 =	43.60 ug/l

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

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

Abalone Larval Development Test-Proportion Normal

Start Date:	01/15/2004	Test ID:	ABS01.2004	Sample ID:	REF-Ref Toxicant
End Date:	01/17/2004	Lab ID:	ABC LABS	Sample Type:	ZNSO-Zinc sulfate
Sample Date:	01/15/2004	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	Standard Toxicant				

Conc-ug/L	1	2	3	4	5
Control	1.0000	1.0000	1.0000	1.0000	1.0000
18	1.0000	1.0000	0.9800	1.0000	1.0000
32	0.9900	1.0000	0.9700	0.8800	1.0000
56	0.0000	0.0000	0.0000	0.0000	0.0000
100	0.0000	0.0000	0.0000	0.0000	0.0000

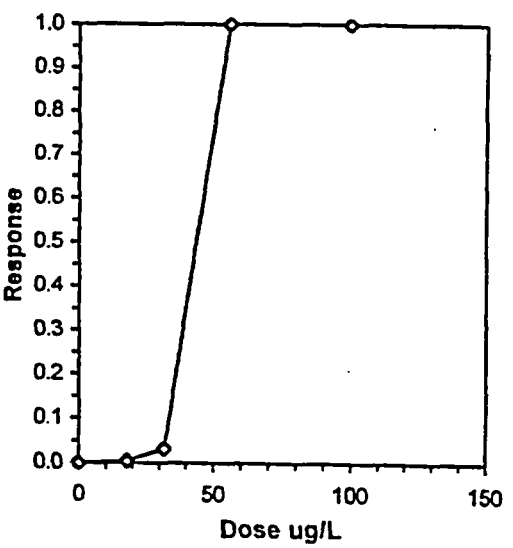
			Transform: Arcsin Square Root					Rank	1-Tailed	Isotonic	
Conc-ug/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	Mean	N-Mean
Control	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5			1.0000	1.0000
18	0.9960	0.9960	1.5024	1.4289	1.5208	2.735	5	25.00	18.00	0.9960	0.9960
32	0.9680	0.9680	1.4252	1.2171	1.5208	8.908	5	20.00	18.00	0.9680	0.9680
56	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5			0.0000	0.0000
100	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5			0.0000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01)	0.80274	0.835	-1.7197	5.05472
Equality of variance cannot be confirmed				

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

Linear Interpolation (200 Resamples)

Point	ug/L	SD	95% CL(Exp)		Skew
IC05	32.446	1.791	23.364	33.440	-2.2882
IC10	33.686	0.510	31.936	34.627	-0.8782
IC15	34.926	0.482	33.273	35.814	-0.8782
IC20	36.165	0.453	34.610	37.002	-0.8782
IC25	37.405	0.425	35.946	38.189	-0.8782
IC40	41.124	0.340	39.957	41.751	-0.8782
IC50	43.603	0.283	42.631	44.126	-0.8782

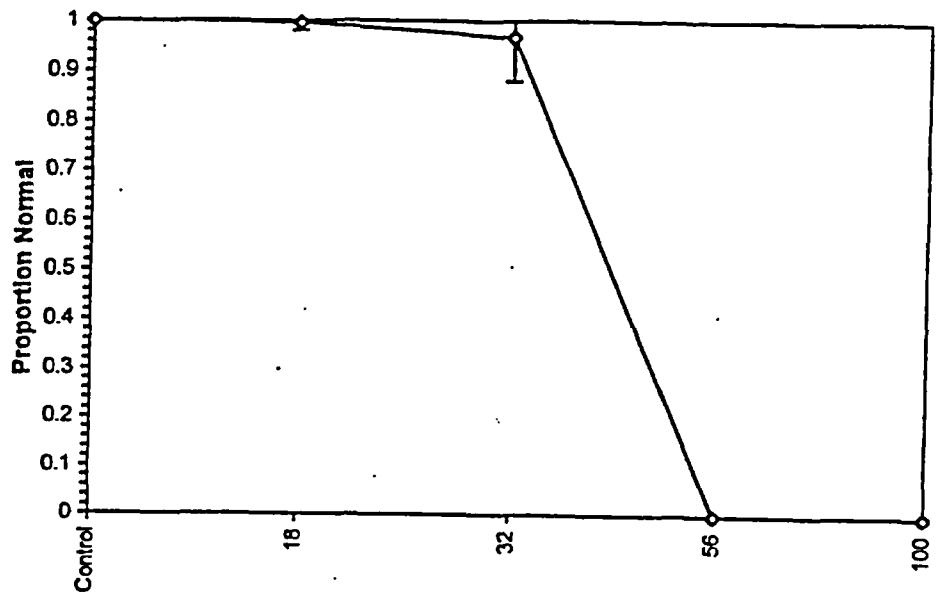


Reviewed by:

Abalone Larval Development Test-Proportion Normal

Start Date:	01/15/2004	Test ID:	ABS01.2004	Sample ID:	REF-Ref Toxicant
End Date:	01/17/2004	Lab ID:	ABC LABS	Sample Type:	ZNSO-Zinc sulfate
Sample Date:	01/15/2004	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	Standard Toxicant				

Dose-Response Plot



Reviewed by:

Abalone Larval Development Test-Proportion Normal

Start Date:	01/15/2004	Test ID:	ABS01.2004	Sample ID:	REF-Ref Toxicant
End Date:	01/17/2004	Lab ID:	ABC LABS	Sample Type:	ZNSO-Zinc sulfate
Sample Date:	01/15/2004	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	15.50	15.20	15.80	0.42	4.20	2
18		15.50	15.20	15.80	0.42	4.20	2
32		15.50	15.20	15.80	0.42	4.20	2
56		15.50	15.20	15.80	0.42	4.20	2
100		15.50	15.20	15.80	0.42	4.20	2
Control	pH	8.00	8.00	8.00	0.00	0.00	2
18		8.00	8.00	8.00	0.00	0.00	2
32		8.00	8.00	8.00	0.00	0.00	2
56		8.00	8.00	8.00	0.00	0.00	2
100		8.00	8.00	8.00	0.00	0.00	2
Control	DO mg/L	7.80	7.60	8.00	0.28	6.82	2
18		8.15	7.80	8.50	0.49	8.63	2
32		8.15	7.80	8.50	0.49	8.63	2
56		8.00	7.50	8.50	0.71	10.51	2
100		7.85	7.20	8.50	0.92	12.21	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

ENVIRONMENTAL

CHAIN OF CUSTODY
AND ANALYSIS REQUEST DOCUMENT

ORIGINAL

CLIENT DETAILS — SECTION I

Client: PG&E - DIABLO CANYON

☐ New Customer Customer Number: _____

Address: P.O. Box 56
AVILA BEACH, CA 93424

Phone: (805) 545-3471

FAX: (805) 545-3065

Project name: ORLY TOXICITY - 1ST QTR 04

Contact person: SCOTT A. PIGEON

Billing Information (if different from above)

Name: _____

Address: _____

Phone: _____

FAX: _____

Contact person: _____

Purchase order/contract/FGL quote number: _____

Pre Log Required: yes ____ Frequency: Monthly ☐ Weekly ☐ Quarterly ☐ Other ☐ _____

SAMPLING — SECTION II

Sampler (s): K. WEBB

Comp Sampler Set up Date: 1-13-04 Time: 0830

Time: N Mileage: A

Shipping Charge: NA Pickup Charge: NA

REPORT INFORMATION — SECTION III

Rush Analysis (surcharge will apply):

☐ 5 Day ☐ 4 Day ☐ 3 Day

☐ 2 Day ☐ 24 hour

Rush pre-approval by lab: _____ initial

Electronic Data Transfer: yes _____ no _____

If yes, To: State ___ Client ___ Other _____

Lab number: SP400402

SAMPLE INFORMATION — SECTION IV

Sample Number	Location/Description	Date Sampled	Time Sampled	Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water (GW) Ground Water (WW) Wastewater (MW) Monitoring Well (TB) Travel Blank (DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	BacT: (Sys) System (SRC) Source (W) Waste	BacT: Routine (ROUT) Repeat (RPT) Other (OTH) Replace (RPL)	(LT) Leaf Tissue (PET) Petiole Tissue (PRD) Produce	Preservative: (1) NaOH + ZnAc, (2) NaOH, (3) HCl, (4) H2SO4, (5) HNO3, (6) Na2S2O3, (7) Other	ANALYSES REQUESTED: ACUTE TOXICITY - JUVENILE; CHRONIC TOXICITY - RED ABALONE; STANDARD TAT (2 WKS)
DCPP-326	DCPP 001 DISCHARGE	1-13-04	0930	G	1	P	NP	WW	-	-	-	-	-	X
DCPP-327	" " "	1-14-04	0915	C	1	P	NP	WW	-	-	-	-	-	X

To Lab D/I:

REMARKS — SECTION V

CUSTODY — SECTION VI

Relinquished by and subject to the terms and conditions on the reverse of this document:

Kevin Webb Date 1-14-04 Time 1145

Received by: _____ Date 1/14/04 Time 11:45

Relinquished by: _____ Date 1/14/04 Time 3:30

Received by: _____ Date ___ Time ___

Relinquished by _____ Date _____ Time _____

Received by: _____ Date _____ Time _____

Relinquished by: _____ Date _____ Time _____

Received by: _____ Date _____ Time _____

CORPORATE OFFICE & LABORATORY
PO Box 7 Corporation Street
Santa Paula 3061-0272
Tel (805) [illegible]10
FAX (805) 525 4172

OFFICE & LABORATORY
2500 Stag [illegible] Road
Stockton, [illegible] 15
Tel (209) [illegible] 81
FAX (209) 942 0823

FIELD OFFICE
Visalia, California
Tel (559) 734-9473
Mobile (559) 737-2399

Santa Paula - Condition Upon Receipt (Attach to COC)

Sample Receipt:

1. Number of ice chests/packages received: _____
   Note as OTC if received over the counter unpackaged.
2. Were samples received in a chilled condition? Temps N/A / ____ / ____ / ____ / ____
   Acceptable is above freezing to 6° C. Also acceptable is received on ice (ROI) for the same day of sampling or received at room temperature (RRT) if sampled within one hour of receipt. Client contact for temperature failures must be documented below. If many packages are received at one time check for tests/H.T.'s/rushes/Bacti's to prioritize further review. Please notify Microbiology personnel immediately of bacti samples received.
3. Do the number of bottles received agree with the COC? ~~Yes~~ No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) ~~Yes~~ No
5. Were sample custody seals intact? ~~N/A~~ Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? ~~Yes~~ No
2. Did bottle labels correspond with the client's ID's? ~~Yes~~ No
3. Were all bottles requiring sample preservation properly preserved? Yes No ~~N/A~~ FGL
4. Were all analyses within holding times at time of receipt? ~~Yes~~ No
5. Have rush or project due dates been checked and accepted? ~~N/A~~ Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): _____

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted:_____ Phone Number:_____
   Initiated By:_____ Date:_____
   Problem:

   Resolution:

2. Person Contacted:_____ Phone Number:_____
   Initiated By:_____ Date:_____
   Problem:

   Resolution: