

PACIFIC GAS AND ELECTRIC COMPANY

NUCLEAR POWER GENERATION

Fourth Quarter 1999

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

(NPDES No. CA0003751)

PACIFIC GAS AND ELECTRIC COMPANY

Fourth Quarter 1999

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

TABLE OF CONTENTS

	<u>page</u>
<u>OVERVIEW</u>	1
<u>SUMMARY OF MONITORING PROGRAM</u>	
A. <u>Monitoring of Plant Influent and Effluent</u>	3
B. <u>Monitoring of Receiving Waters</u>	3
C. <u>Acti-Brom Treatment Program</u>	3
APPENDIX 1	
NPDES Discharge Points	
APPENDIX 2	
Influent and Effluent Monitoring - October, 1999	
APPENDIX 3	
Influent and Effluent Monitoring - November, 1999	
APPENDIX 4	
Influent and Effluent Monitoring - December, 1999	
APPENDIX 5:	
Acute Bioassay, October 28 - November 1, 1999	
APPENDIX 6:	
Chronic Bioassay, October 27 - 29, 1999	

OVERVIEW

- A. During the fourth quarter of 1999, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 0001J, 001L, 001M, 001N, 001P, and 002 through 015. No discharges occurred from Discharge Paths 001I, 001K, 016 and 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1**.
- B. The substances listed in Table B of the 1990 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.
- C. On October 14, 1999, the discharge pumps from the Unit 2 Turbine Building Sump (TBS) were secured to allow time for the Oil Skimmer in the dirty side of the sump to remove oil which had reached the sump during an oil addition to a Unit 2 Feedwater pump. While the Unit 2 TBS pumps were not functioning, a small amount of water overflowed the clean side of the sump directly to the plant discharge tunnel through holes in the discharge scupper wall. Normally, the Unit 2 TBS pumps would send this clean side water to the Unit 1 TBS prior to discharge to 001F. The sump water from the clean side of the Unit 2 sump (which would be representative of that discharged) was sampled and contained less than 3 milligrams of Oil and Grease per liter; thus, the oil and grease concentration was well below discharge limitations for 001F. On October 20, a small quantity of water again reached this discharge directly from the clean side of the Unit 2 TBS through these holes in the scupper wall. The clean side of the sump was sampled and analyzed for Oil and Grease content. The Oil and Grease concentration for this water was less than 3 milligrams per liter. The holes in the discharge scupper wall have been plugged with temporary plugs, and a permanent repair of this wall is planned. This repair will increase the volume of water which can be contained by the Unit 2 TBS prior to overflow to the discharge tunnel.
- D. On October 17, 1999, when contractor personnel were cleaning up their equipment near the end of the Unit 2 refueling outage, small quantity of oil was discharged through NPDES Discharge 001L, Steam Generator Blowdown. The equipment being cleaned had been used to pressure wash the Unit 2 Steam Generators with filtered and recycled water during the outage. During the equipment clean up, water was drained from a holding tank within the equipment trailer. The water in this tank contained a small amount of oil due to the early removal of an oil filter from the equipment. This oil originated from a pump lube tank which had been observed to contain some oil (subsequent evaluations estimated this amount of oil as 4.6 ounces). During the equipment clean up, water was discharged to NPDES Discharge 001L from the holding tank.

When plant Chemistry personnel discovered that the now empty hold tank was partially coated with an oil film, an attempt was made to collect a sample from NPDES Discharge 001L. The discharge water had already passed the sampling point, and no sample was available. During the subsequent evaluation of the event, PG&E determined that an estimated 4.6 ounces of oil was discharged. The resulting Oil and Grease concentration was calculated to be between 30 to 70 milligrams per liter (mg/l) which is greater than the Daily Maximum discharge limitation of 20 mg/l for NPDES Discharge 001L. Michael Thomas, CCRWQCB, was notified, and he stated that the event could be detailed in this

quarterly report in lieu of a 5 day report.

The contractor personnel involved in this event have been tailboarded on the proper cleaning and draining of their equipment. This event has been entered into the plant's problem resolution process. Appropriate corrective actions to prevent recurrence of this event will be developed during this process.

- E. On October 21, 1999, a contract biologist noticed a petroleum sheen on the surface of the water of the Intake Cove near the kelp harvester which was at the boat dock in the Intake Cove. The kelp harvester had not been operated for several days. The biologist deployed absorbent pads to remove the hydraulic fluid that had caused the sheen. The plant Industrial Fire Officers and Environmental staff responded to the event, but the absorbent pads already deployed removed the sheen from the water surface. It was determined that the sheen had originated from a leaking seal from one of the kelp harvester's paddle wheels. The total amount of hydraulic fluid leaked into the water was estimated to be less than 1 ounce. A phone notification was made to the CCRWQCB as a courtesy notification. The kelp harvester was removed from the water for repair and hydraulic system check.
- F. During the fourth quarter of 1999, there was a feed and bleed of the Intake Cooling Water System (ICW) for Unit 2. The water was processed by the Intake Building Sump and discharged through NPDES Discharge 001. In addition, there was a volume adjustment of the Unit 2 Service Cooling Water System (SCW). PG&E received concurrence from the CCRWQCB in a letter dated July 19, 1995 (PG&E Letter DCL-95-156) regarding the use of glutaraldehyde and isothiazoline to control microbiological growth and corrosion in PG&E's closed cooling water systems. Discharges drained at a flowrate such that the chronic toxicity level would be below the "No Observable Effect Concentration" (NOEC) at NPDES Discharge 001. The discharges were due to routine maintenance and are itemized below:

Date	System	Volume (gal)	Glutaraldehyde (mg/l)	Isothiazoline (mg/l)
11/4/ 2000	Unit 2 SCW	110	150	10
11/25/1999	Unit 2 ICW	4500	150	10

- G. On November 17, 1999, sulfur hexafluoride (SF₆) was injected into DCP's condensers to detect saltwater leaks as detailed below. CCRWQCB's Sorrel Marks had previously concurred during conversations held in May 1996 that periodic use of SF₆ would not increase DCP's probability of exceeding NPDES permit limitations.

Date	Number of Injections	Duration (sec)	Injection Rate of SF6 (Standard Cubic Feet per Minute)
11/17/1999	8	300	10

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the October, November, and December 1999 plant influent and effluent monitoring are reported on DSMR forms in **Appendices 2, 3, and 4**, respectively. Additional laboratory results are included behind the DSMR forms to ensure that all analytical data are reported. The additional data are used to develop the "daily average" values reported on the DSMR forms when more than one analysis was performed in a given day (e.g., for Total Residual Chlorine (TRC), an average value is reported on the DSMR form).
2. Results from one acute bioassay on water sampled from Discharge 001, performed October 28 - November 1, 1999, are included in **Appendix 5**. The acute toxicity test results show that toxicity was 0.0 (no mortality).
3. Results from one chronic bioassay on water sampled from Discharge 001, performed October 27 - 29, 1999, are included in **Appendix 6**. Test 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 fourth quarter continued under the Diablo Canyon Receiving Water Monitoring Program (RWMP) as requested in a letter from the 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. Shell debris deposition and foam studies were completed in 1999 as part of the revised RWMP described above.
3. In Situ Bioassay

Results of the Mussel Watch Program as related to Diablo Canyon Power Plant and other locations 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. As in the past, each treated conduit received a twenty minute injection every four hours (six injections a day) of Acti-Brom in combination with sodium hypochlorite (NaOCl). Each injection had a nominal concentration of 200 parts per billion Total Residual

Oxidant (TRO) when measured at the inlet waterbox of the condenser. Discharge TRO, measured at the plant outfall, remained below NPDES limitations due to dilution effects from the other conduits, the turbulent nature of the flow at the Discharge Structure, and additional chlorine demand contributed by the discharge.

Simultaneous hypochlorite and Acti-Brom treatment of both Unit 1 conduits continued through most of the fourth quarter. The Unit 1 trip which occurred due to kelp intrusion from storm waves on October 28, 1999 resulted in several missed injections during a five-day period. Six additional injections were not completed because both Units were held at a reduced power level during high storm waves on November 19, 1999.

Unit 2 injections were not made at the beginning of the fourth quarter because a planned maintenance outage was underway. Simultaneous hypochlorite and Acti-Brom treatment for Unit 2 resumed on October 21, 1999 for conduit 2-1 and on October 28, 1999 for conduit 2-2. This chemical treatment continued through the rest of the fourth quarter except when power generation was curtailed. In summary, several hypochlorite and Acti-Brom injections were not made during the Unit 2 trip caused by kelp intrusion, when both Units were curtailed by high seas on November 19, and when one of Unit 2's circulating water pumps tripped on December 2.

APPENDIX 1

DIABLO CANYON POWER PLANT

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

APPENDIX 2

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

October 1999

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 1

FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	99 / 10 / 01	ENDING	99 / 10 / 31		06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	54.5	72.6	18.1	1239				
2	54.1	73.5	19.4	1239				
3	54.4	73.9	19.5	1239				
4	53.6	73.2	19.6	1239				
5	52.9	72.3	19.4	1239				2 7.9
6	53.1	72.0	18.9	1239				
7	53.0	71.8	18.8	1239			7.8	
8	52.9	72.1	19.2	1239				
9	54.0	73.3	19.3	1239				
10	55.0	74.5	19.5	1239				
11	55.7	75.2	19.5	1239				
12	55.3	74.6	19.3	1239				
13	54.6	73.5	18.9	1239				
14	53.7	72.9	19.2	1239				
15	54.7	74.0	19.3	1239				
16	54.7	74.2	19.5	1239				
17	54.9	74.5	19.6	1239				
18	55.3	74.8	19.5	1239				
19	54.7	74.1	19.4	1239				
20	55.0	71.9	16.9	1492				
21	55.3	69.9	14.6	1862				
22	55.3	69.5	14.2	1862	8.1	8.1		
23	54.3	68.4	14.1	1862				
24	54.2	68.0	13.8	1862				
25	54.7	68.4	13.7	1862				
26	54.3	69.1	14.8	1862				
27	54.6	67.4	12.8	2122				
28	55.0	65.5	10.5	1054				
29	53.7	59.6	5.9	521				
30	53.8	55.5	1.7	1602				
31	55.2	63.7	8.5	1890				
MONTHLY AVG	54.4	70.8	16.4	1400	8.1	8.1	7.8	7.9
MONTHLY HIGH	55.7	75.2	19.6	2122	8.1	8.1	7.8	8.0
MONTHLY LOW	52.9	55.5	1.7	521	8.1	8.1	7.8	7.8
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(**)					
TIMES EXCEEDED								

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


PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i>	11/20/00

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #			
3 402003001	BEGINNING	99 / 10 / 01	ENDING	99 / 10 / 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/1 COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/1 GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/1 GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/1 GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/1 GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY	
1			3	ND (5)			6	19	330
2							6	24	330
3							6	28	330
4						< 3	6	35	330
5							6	34	330
6							6	35	330
7		8.1	3	ND (5)			6	42	330
8							6	43	330
9							6	< 20	330
10							6	< 20	330
11							6	< 20	330
12							6	< 20	351
13							6	< 20	387
14							6	< 20	402
15			3	ND (5)			6	< 20	402
16							6	< 20	402
17							6	31	402
18							6	26	387
19							6	< 20	364
20							8	< 20	392
21	8.0		3	ND (5)			12	< 13	480
22							12	< 13	486
23							12	< 13	492
24							12	< 13	492
25							12	< 13	492
26							12	< 13	491
27			3	ND (5)			12	< 13	486
28							8	< 10	324
29								****	****
30							12	15	336
31							11	< 13	384
MONTHLY AVG	8.0	8.1	ND (5)	NO	NO	< 3	< 20	386	
MONTHLY HIGH	8.0	8.1	ND (5)	DISCHARGE	DISCHARGE	< 3	63	492	
MONTHLY LOW	8.0	8.1	ND (5)			< 3	< 10	330	
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.
 ****BOTH UNITS OFF LINE DUE TO HIGH SEAS

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	1/20/00

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CENTRAL COAST REGION
81 HIGUERA
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DISCHARGE SELF MONITORING REPORT


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

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	mg/1 1st FLTR	EFFLUENT 001D SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	EFFLUENT 001F SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1			2		ND(5)				
2									
3									
4						3	1	ND (5)	
5			2		ND (5)				
6			2	3	2 < 5				
7									
8									
9									
10				17		17			
11			2	3	2 < 5				
12									
13									
14									
15			2	8	2 8				
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO	NO			<5**			ND (5)	
MONTHLY HIGH	DISCHARGE	DISCHARGE			24			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 AVERAGING USED

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squeres</i> 	11/20/00

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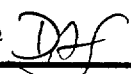
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PAGE: (M) 4

FACILITY I.D.	YEAR / MO / DAY BEGINNING			YEAR / MO / DAY ENDING			STATE CODE	NPDES PERMIT #
3 402003001	99 / 10 / 01			99 / 10 / 31			06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1								
2								
3								
4								
5								
6								
7	< 1		ND (5)					
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23				2	5	1	5	2
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG			ND (5)				ND (5)	
MONTHLY HIGH			ND (5)				ND (5)	
MONTHLY LOW			ND (5)				ND (5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

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<i>Drew Squyres</i> 	11/20/00

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PAGE: (M) 5

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01			YEAR / MO / DAY ENDING 99 / 10 / 31			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001J SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY				
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20				< 1			ND (5)	
21								
22								
23								
24								
25								
26								
27								
28				< 1	< 1		ND (5)	
29								
30								
31								
MONTHLY AVG	NO DISCHARGE						ND (5)	
MONTHLY HIGH							ND (5)	
MONTHLY LOW							ND (5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	1/20/00

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PAGE: (M) 6

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3 402003001	BEGINNING	99 / 10 / 01		ENDING	99 / 10 / 31		06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2									
3									
4									
5				< 1		ND (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				< 1		ND (5)			
30									
31									
MONTHLY AVG	NO DISCHARGE						ND (5)		
MONTHLY HIGH							ND (5)		
MONTHLY LOW							ND (5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	1/20/00

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AVILA BEACH, CALIF 93424

PAGE: (M) 7

FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	99 / 10 / 01	ENDING	99 / 10 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPLE TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS	EFFLUENT 001P SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 COMPOSITE WEEKLY	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1				10				
2								
3								
4								
5								
6								
7				7	2	1	ND (5)	
8								
9	9	< 1	9					
10								
11								
12								
13								
14								
15				17				
16								
17								
18								
19								
20								
21				15				
22					11	< 1	11	
23								
24								
25								
26								
27				24				
28								
29								
30								
31								
MONTHLY AVG			9	15			6	
MONTHLY HIGH			9	24			11	
MONTHLY LOW			9	7			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
Drew Squires
DATE
11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (M) 8

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01			YEAR / MO / DAY ENDING 99 / 10 / 31			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 002 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY				
1								
2								
3								
4								
5	2	7	2	2	2	5		
6								
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22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG						5		6
MONTHLY HIGH						10		6
MONTHLY LOW						ND (5)		6
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO AVG 30 = 0	NO LIMIT	NO LIMIT	NO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	1/20/00

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. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01			YEAR / MO / DAY ENDING 99 / 10 / 31			STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTLE SOLIDS ml/1 GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/1 GRAB MONTHLY	EFFLUENT 001 COPPER ug/1 GRAB MONTHLY	EFFLUENT 001 NICKEL ug/1 GRAB MONTHLY	EFFLUENT 001 ZINC ug/1 GRAB MONTHLY	
1				ND (0.1)					
2									
3									
4									
5									
6									
7				ND (0.1)					
8									
9									
10									
11									
12					ND (10)	ND (10)			ND (10)
13									
14									
15				ND (0.1)					
16									
17									
18									
19									
20									
21				ND (0.1)					
22							ND (10)		
23									
24									
25									
26									
27									
28				ND (0.1)					
29									
30									
31									
MONTHLY AVG	NO			ND (0.1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY HIGH	DISCHARGE			ND (0.1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY LOW				ND (0.1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MEAN 10 = 0	6M-MEAN 10 = 0	6M-MEAN 30 = 0	6M-MEAN 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
<i>Drew Squires</i> 	1/20/00

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # 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				**	**	< 3		
2								
3								
4								
5						< 3		
6						2 < 3		
7							< 3	
8								
9								
10						< 3		
11						< 3		
12	ND (10)	ND (10)						
13								
14								
15						11		
16								
17								
18								
19								
20								
21								
22								
23			ND (10)					
24								2 < 3
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND (10)	ND (10)	ND (10)			< 3	< 3	< 3
MONTHLY HIGH	ND (10)	ND (10)	ND (10)			11	< 3	< 3
MONTHLY LOW	ND (10)	ND (10)	ND (10)			< 3	< 3	< 3
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MEAN 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					MAX 30600 = 0			

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** 4Q99 AMMONIA SAMPLED AND ANALYZED IN DECEMBER

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squires
DATE
1/20/00

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
1								
2								
3								
4								
5				< 3			2 < 3	
6								
7						< 3		
8								
9					< 3			
10								
11								
12								
13								
14								
15								
16								
17								
18								
19				< 3				
20		< 3						
21								< 3
22								
23								
24								
25								
26								
27								
28		< 3						
29								
30								
31								
MONTHLY AVG DISCHARGE	NO	< 3	NO	< 3	< 3	< 3	< 3	< 3
MONTHLY HIGH	DISCHARGE	< 3	DISCHARGE	< 3	< 3	< 3	< 3	< 3
MONTHLY LOW		< 3		< 3	< 3	< 3	< 3	< 3
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squyres
DATE
11/20/00

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

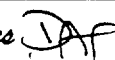
PAGE: (Q) 3

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	99 / 10 / 01	ENDING	99 / 10 / 31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT
1						
2						
3						
4						
5						
6						
7	< 3					
8						
9						
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13						
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15						
16						
17						
18						
19						
20						
21			ND (5) 2	ND (5) 2	ND (5)	ND (5)
22						
23						
24						
25						
26						
27		0.0				
28						
29						
30						
31						
MONTHLY AVG	< 3	0.0	ND (5)	ND (5)	ND (5)	ND (5)
MONTHLY HIGH	< 3	0.0	ND (5)	ND (5)	ND (5)	ND (5)
MONTHLY LOW	< 3	0.0	ND (5)	ND (5)	ND (5)	ND (5)
TIMES EXCEEDED	MO AVG 15 = 0	6M-MEAN=0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED	D MAX 20 = 0	=0				
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	1/20/00

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 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/1 1 WEEK COMP JA/AP/JUL/OCT	
1									
2									
3									
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15									
16									
17									
18									
19									
20									
21	ND (10) 2	15 2	ND (10)	ND (10)	20 2	45 2	ND (10)	40	
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	ND (10)	15	ND (10)	ND (10)	20	45	ND (10)	40	
MONTHLY HIGH	ND (10)	30	ND (10)	ND (10)	20	60	ND (10)	40	
MONTHLY LOW	ND (10)	ND (10)	ND (10)	ND (10)	20	30	ND (10)	40	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	11/20/00

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. 3402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751					
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/1 1 WEEK COMP JA/AP/JUL/OCT			
1											
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15											
16											
17											
18											
19											
20											
21	ND (10)	2 < 10	2	ND (10)	ND (10)	0.07	2	0.05	2	ND (0.02)	0.03
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MONTHLY AVG	ND (10)	< 10	ND (10)	ND (10)	ND (10)	0.07	0.05	ND (0.02)	0.03		
MONTHLY HIGH	ND (10)	10	ND (10)	ND (10)	ND (10)	0.07	0.05	ND (0.02)	0.03		
MONTHLY LOW	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	0.07	0.04	ND (0.02)	0.03		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT		
TIMES EXCEEDED											
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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 99 / 10 / 01
 YEAR / MO / DAY ENDING 99 / 10 / 31
 STATE CODE 06
 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPLE 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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16								
17								
18								
19								
20								
21	ND (10) 2	10 2	ND (10) 2	60	ND (10) 2	ND (10) 2	ND (10) 2	ND (10)
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND (10)	10	ND (10)	60	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY HIGH	ND (10)	20	ND (10)	60	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY LOW	ND (10)	ND (10)	ND (10)	60	ND (10)	ND (10)	ND (10)	ND (10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
 GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squyres
 DATE
 11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (Q) 7

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SAMPL 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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19							
20							
21	120	2	25	2	ND (20)	20	
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG	120	25	ND (20)	20			
MONTHLY HIGH	120	30	ND (20)	20			
MONTHLY LOW	120	20	ND (20)	20			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT			
TIMES EXCEEDED							
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 8

FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 99 / 10 / 01 YEAR / MO / DAY ENDING 99 / 10 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

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


1					
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8					
9					
10					
11					
12					
13					
14					
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18					
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22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE
--	-----------------	-----------------	-----------------	-----------------	-----------------

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 1

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	99 / 10 / 01	ENDING	99 / 10 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001 TITANIUM ug/1 GRAB OCTOBER	INFLUENT ARSENIC ug/1 GRAB OCTOBER	EFFLUENT ARSENIC ug/1 GRAB OCTOBER	INFLUENT CADMIUM ug/1 GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/1 GRAB OCTOBER	INFLUENT LEAD ug/1 GRAB OCTOBER	EFFLUENT 001 LEAD ug/1 GRAB OCTOBER	INFLUENT ZINC ug/1 GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	ND (5)	2.1	1.7	0.09	0.04	0.15	0.05	ND (10)**
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND (5)	2.1	1.7	0.09	0.04	0.15	0.05	ND (10)
MONTHLY HIGH	ND(5)	2.1	1.7	0.09	0.04	0.15	0.05	ND (10)
MONTHLY LOW	ND(5)	2.1	1.7	0.09	0.04	0.15	0.05	ND (10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M - MEAN 30 = 0	NO LIMIT	6M-MEAN 10 = 0	NO LIMIT	6M-MEAN 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.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	11/20/00

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 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/1 GRAB OCTOBER	EFFLUENT 001 MERCURY ug/1 GRAB OCTOBER	INFLUENT SILVER ug/1 GRAB OCTOBER	EFFLUENT 001 SILVER ug/1 GRAB OCTOBER	INFLUENT CYANIDE ug/1 GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/1 GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	ND (0.005)	ND (0.005)	0.08	0.13	ND (10)	ND (10)	** ND (2.1)	** ND (2.1)
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND (0.005)	ND (0.005)	0.08	0.13	ND (10)	ND (10)	ND (2.1)	ND (2.1)
MONTHLY HIGH	ND (0.005)	ND (0.005)	0.08	0.13	ND (10)	ND (10)	ND (2.1)	ND (2.1)
MONTHLY LOW	ND (0.005)	ND (0.005)	0.08	0.13	ND (10)	ND (10)	ND (2.1)	ND (2.1)
TIMES EXCEEDED	NO LIMIT	6M-MEAN 0.2=0	NO LIMIT	6M-MEAN 2.9=0	NO LIMIT	6M-MEAN 30=0	NO LIMIT	6M-MEAN 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.
** REPORTING LIMIT SHOWN IS TOTAL OF THOSE OF 6 SEPARATE ANALYTES.


PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	11/20/00

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT CHLOR PHENOL ug/1 GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/1 GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/1 GRAB OCTOBER	EFFLUENT 001D BORON mg/1 GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/1 GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/1 GRAB OCTOBER
1							
2							
3							
4							
5							
6							
7							
8							
9			ND (0.020)	2300	ND (0.050)		
10							
11							
12	*** ND (1.3)	*** ND (1.3)					
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG	ND (1.3)	ND (1.3)	ND (0.020)	2300	ND (0.050)		
MONTHLY HIGH	ND (1.3)	ND (1.3)	ND (0.020)	2300	ND (0.050)		
MONTHLY LOW	ND (1.3)	ND (1.3)	ND (0.020)	2300	ND (0.050)		
TIMES EXCEEDED	NO LIMIT	6M-MEAN 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.
** ANNUAL SAMPLING, ANALYSIS PERFORMED, AND RESULTS REPORTED DURING FIRST STORM IN SEPTEMBER.
*** REPORTING LIMIT SHOWN IS TOTAL OF THOSE OF 5 SEPARATE ANALYTES.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squyres 
DATE
11/20/00

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. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER
1	**	**	**				
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12						*** ND (1.6)	*** ND (1.6)
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG			NO DISCHARGE		NO DISCHARGE	ND (1.6)	ND (1.6)
MONTHLY HIGH						ND (1.6)	ND (1.6)
MONTHLY LOW						ND (1.6)	ND (1.6)
TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0		
TIMES EXCEEDED							

REMARKS:
 * NUMBER OF SAMPLES TAKEN DURING THE DAY.
 ** ANNUAL SAMPLING, ANALYSIS, AND RESULTS REPORTED IN SEPTEMBER.
 *** REPORTING LIMIT SHOWN IS TOTAL OF THOSE OF 7 SEPARATE ANALYTES.

PRINCIPAL EXECUTIVE OFFICER
 GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squires
 DATE
 11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (A) 5

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 10 / 01		YEAR / MO / DAY ENDING 99 / 10 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	99	680	150	ND (0.1)	200	7.3	15	1.4
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	99	680	150	ND(0.1)	200	7.3	15	1.4
MONTHLY HIGH	99	680	150	ND(0.1)	200	7.3	15	1.4
MONTHLY LOW	99	680	150	ND(0.1)	200	7.3	15	1.4
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squipes</i> 	11/20/00

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. 3402003001 YEAR / MO / DAY BEGINNING 99 / 10 / 01 YEAR / MO / DAY ENDING 99 / 10 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION	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	ND (0.05)	3.2	0.11	ND (0.2)	0.10	0.0054	6.3	2712
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND (0.05)	3.2	0.11	ND (0.2)	0.10	0.0054	6.3	2712
MONTHLY HIGH	ND (0.05)	3.2	0.11	ND (0.2)	0.10	0.0054	6.3	2712
MONTHLY LOW	ND (0.05)	3.2	0.11	ND (0.2)	0.10	0.0054	6.3	2712
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTL>100=0	TTL>2500=0	TTL>500=0	TTL>1000=0	TTL>2000=0	TTL>20=0	TTL>5000=0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT DATE
Drew Squires 11/20/00

Unit 1 Discharge Total Residual Chlorine (ppb) - October 1999

Date	0000 Cl2	0400 Cl2	0800 Cl2	1200 Cl2	1600 Cl2	2000 Cl2	lbs Cl2
10/1/1999	30	47	39	< 20	< 20	< 20	330
10/2/1999	20	36	20	27	20	22	330
10/3/1999	27	33	27	33	25	22	330
10/4/1999	33	39	43	20	43	30	330
10/5/1999	30	30	33	36	39	33	330
10/6/1999	39	39	36	23	36	38	330
10/7/1999	23	29	38	47	63	52	330
10/8/1999	43	52	52	43	33	33	330
10/9/1999	27	36	27	< 20	< 20	< 20	330
10/10/1999	< 20	< 20	< 20	< 20	< 20	< 20	330
10/11/1999	< 20	< 20	< 20	< 20	< 20	< 20	330
10/12/1999	< 20	< 20	< 20	< 20	< 20	< 20	351
10/13/1999	< 20	< 20	< 20	< 20	< 20	22	387
10/14/1999	< 20	< 20	< 20	36	27	25	402
10/15/1999	43	43	36	< 20	< 20	< 20	402
10/16/1999	< 20	36	< 20	25	22	20	402
10/17/1999	33	39	33	33	22	27	402
10/18/1999	25	30	36	27	20	20	387
10/19/1999	30	33	25	< 20	< 20	< 20	364
10/20/1999	< 20	< 20	< 20	< 20	< 13	< 13	348
10/21/1999	< 13	< 13	< 13	< 13	< 13	< 13	348
10/22/1999	< 13	< 13	< 13	< 13	< 13	< 13	348
10/23/1999	< 13	< 13	< 13	< 13	< 13	< 13	348
10/24/1999	< 13	< 13	< 13	< 13	< 13	< 13	348
10/25/1999	< 13	< 13	< 13	< 13	< 13	13	348
10/26/1999	< 13	< 13	< 13	< 13	< 13	< 13	339
10/27/1999	< 13	< 13	< 13	< 13	< 10	10	330
10/28/1999	< 10	< 10	< 10	< 10			220
10/29/1999							
10/30/1999	46	42	46	24	< 13	< 13	192
10/31/1999	< 13	< 13	< 13		10	< 7	192

Unit 2 Discharge Total Residual Chlorine (ppb) - October 1999

Date	0100 Cl2	0500 Cl2	0900 Cl2	1300 Cl2	1700 Cl2	2100 Cl2	lbs Cl2
10/20/1999					< 7	16	44
10/21/1999	16	19	15	12	10	< 7	132
10/22/1999	12	12	11	11	11	12	138
10/23/1999	13	15	12	11	11	11	144
10/24/1999	12	11	11	10	8	10	144
10/25/1999	10	9	9	13	11	11	144
10/26/1999	10	10	12	11	10	12	152
10/27/1999	11	11	12	17	16	16	156
10/28/1999	16	16	16	29			104
10/29/1999							
10/30/1999	< 10	< 10	< 10	< 7	9	9	144
10/31/1999	12	8	< 7	< 13	25	25	192

To HEATHER BILLING	From Jim Wysons
Co.	Co.
Dept.	Phone # 11.9.99 4:05pm
Fax # 3858	Fax # 6678

**PACIFIC GAS AND ELECTRIC
SANITARY WASTE
CONTRACT #2**

R.....

Eco Resources, Inc. 5820 Stoneridge Mall Road Suite 204 Pleasanton, CA 94588	Pacific Gas and Electric - Diablo Canyon Contacts: Joe Higgins (805) 545-4103 Heather Billing (805) 545-4045
--	--

PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULTS
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil and Grease	mg/l	Weekly	15	20	10.1	12:49	< 5mg/L AVE. OF 3
2.	"	"	"	"	10.7	8:55	< 5 mg/L "
3.	"	"	"	"	10.15	9:01	< 5mg/L "
4.	"	"	"	"	10.21	1:13	< 5mg/L "
5.	"	"	"	"	10.27	9:20	< 5mg/L "
1.Suspended Solids	mg/l	Weekly	60	N/A	10.1	12:33	10 mg/L
2.	"	"	"	"	10.7	8:36	7 mg/L
3.	"	"	"	"	10.15	8:59	17 mg/L
4.	"	"	"	"	10.21	12:55	15 mg/L
5.	"	"	"	"	10.27	9:00	24 mg/L
1. Settleable Solids	ml/l	Weekly	1.0	3.0	10.1	12:42	< 0.1ml/L
2.	"	"	"	"	10.7	9:00	< 0.1ml/L
3.	"	"	"	"	10.15	9:15	< 0.1ml/L
4.	"	"	"	"	10.21	9:30	< 0.1ml/L
5.	"	"	"	"	10.28	1:24	< 0.1ml/L

NOTES:

1. Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact list above.
2. Oil and Grease and Suspended Solids samples are composites during 1 discharge cycle.
3. If Eco diagnostic analysis results indicate that the system effluent exceeds the listed limits, increase the frequency at which samples are collected and submitted to the contract lab.

COMMENTS: _____

SLUDGE DISPOSAL DATA			
MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
OCTOBER		2712 lbs.	SANTA MARIA WWTP

Data Sheet completed by: Jim Wysons Date: November 9th, 1999

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APPENDIX 3

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

November 1999

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	54.1	67.1	13.0	2411				
2	54.1	71.8	17.7	2059				
3	53.0	70.1	17.1	2503				
4	53.4	72.6	19.2	2503	8.0	8.0		
5	54.4	74.4	20.0	2504				
6	54.6	74.7	20.1	2504				
7	55.1	75.1	20.0	2503				
8	55.8	75.9	20.1	2503				
9	55.5	75.6	20.1	2503				
10	55.5	75.6	20.1	2503			8.0	8.1
11	55.9	76.0	20.1	2503				
12	56.1	76.2	20.1	2503				
13	56.2	76.3	20.1	2503				
14	56.2	76.3	20.1	2503				
15	56.3	76.4	20.1	2503				
16	56.2	76.4	20.2	2503				
17	55.1	75.2	20.1	2503				
18	54.5	74.7	20.2	2503				
19	55.7	67.4	11.7	2319				
20	55.1	58.1	3.0	2251				
21	53.3	68.7	15.4	2503				
22	52.6	72.3	19.7	2503				
23	53.1	72.9	19.8	2503				
24	52.4	72.1	19.7	2503				
25	51.7	71.8	20.1	2503				
26	52.0	72.0	20.0	2503				
27	52.4	72.5	20.1	2504				
28	53.1	73.5	20.4	2503				
29	54.1	74.2	20.1	2503				
30	54.0	74.2	20.2	2503				
31								
MONTHLY AVG	54.4	73.0	18.6	2471	8.0	8.0	8.0	8.1
MONTHLY HIGH	56.3	76.4	20.4	2504	8.0	8.0	8.0	8.1
MONTHLY LOW	51.7	58.1	3.0	2059	8.0	8.0	8.0	8.1
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(**)					
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	11/20/00

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	99 / 11 / 01	ENDING	99 / 11 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPLE 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 < 10	480
2						< 3	12 < 10	432
3							12 < 10	528
4							12 < 10	576
5			3	ND (5)			12 < 10	586
6							12 < 10	606
7							12 < 10	606
8							12 < 10	606
9		8.2					12 < 10	667
10	8.0						12 < 10	748
11							12 < 10	768
12			3	ND (5)			12 < 10	768
13							12 < 10	768
14							12 < 10	768
15							12 < 10	801
16							12 < 10	834
17			3	ND (5)			12 < 10	834
18							12 24	834
19							6 23	417
20							6 28	417
21							12 23	834
22							12 20	835
23							12 21	819
24			3	ND (5)			12 25	796
25							12 26	792
26							12 32	792
27							12 34	792
28							12 32	792
29							12 26	783
30							12 28	788
31								
MONTHLY AVG	8.0	8.2	ND (5)	NO	NO	< 3	11	712
MONTHLY HIGH	8.0	8.2	ND (5)	DISCHARGE	DISCHARGE	< 3	50	835
MONTHLY LOW	8.0	8.2	ND (5)			< 3	< 10	417
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squires
DATE
11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (M) 3

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY		
1								
2								
3								
4								
5			3	5	1	3	3	5
6								
7								
8								
9								
10								
11					13			13
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30				22	<	1		22
31								
MONTHLY AVG	NO	NO				5**		ND (5)
MONTHLY HIGH	DISCHARGE	DISCHARGE				24		ND (5)
MONTHLY LOW						5		ND (5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED	1 MAX >10K							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** FLOW WEIGHTED AVERAGING USED

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	11/20/00

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. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 11 / 01			YEAR / MO / DAY ENDING 99 / 11 / 30			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2									
3				3	3	ND (5)			
4									
5									
6									
7									
8									
9	< 1		ND (5)						
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
<i>Drew Squyres DAS</i>	1/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (M) 5

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01			YEAR / MO / DAY ENDING 99 / 11 / 30			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET			EFFLUENT 001J SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET				
1				1			ND (5)	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO DISCHARGE						ND (5)	
MONTHLY HIGH							ND (5)	
MONTHLY LOW							ND (5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 6

FACILITY I.D. 3 402003001
 YEAR / MO / DAY BEGINNING 99 / 11 / 01
 YEAR / MO / DAY ENDING 99 / 11 / 30
 STATE CODE 06
 NPDES PERMIT # CA0003751

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
 GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squyres *DS*
 DATE
 1/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (M) 7

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 11 / 01			YEAR / MO / DAY ENDING 99 / 11 / 30			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/1 COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1									
2									
3									
4									
5				47					
6									
7									
8									
9									
10					6	2		ND (5)	
11									
12				15					
13	14	< 1	14						
14									
15									
16									
17				18					
18									
19									
20									
21									
22									
23									
24				14					
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG			14	24				ND (5)	
MONTHLY HIGH			14	47				ND (5)	
MONTHLY LOW			14	14				ND (5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0		
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	1/20/00

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	99 / 11 / 01	ENDING	99 / 11 / 30	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS		
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET
1						
2						
3						
4						
5						
6						
7						
8						
9	2	4	2	1	2	ND (5)
10				3	1	ND (5)
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG			ND (5)			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
<i>Drew Squyres</i> <i>DJS</i>	1/20/00

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. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01			YEAR / MO / DAY ENDING 99 / 11 / 30			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR mg/1 NET GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/1 GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/1 GRAB MONTHLY	EFFLUENT 001 COPPER ug/1 GRAB MONTHLY	EFFLUENT 001 NICKEL ug/1 GRAB MONTHLY	EFFLUENT 001 ZINC ug/1 GRAB MONTHLY
1								
2								
3								
4								
5				ND (0.1)	ND (10)	ND (10)	ND (10)	ND (10)
6								
7								
8								
9								
10								
11								
12				ND (0.1)				
13								
14								
15								
16								
17				ND (0.1)				
18								
19								
20								
21								
22								
23								
24				ND (0.1)				
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-MEAN 10 = 0	6M-MEAN 10 = 0	6M-MEAN 30 = 0	6M-MEAN 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
<i>Drew Squires</i> 	11/20/00

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 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
1								
2								
3								
4	ND (10)	ND (10)	ND (10)					
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	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-MEAN 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					MAX 30600 = 0			

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squeres</i> 	11/20/00

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) 2

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14						6			
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG						6			
MONTHLY HIGH						6			
MONTHLY LOW						6			
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squires DAS
DATE
11/20/00

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 I.D.
3 402003001

YEAR / MO / DAY
BEGINNING 99 / 11 / 01

YEAR / MO / DAY
ENDING 99 / 11 / 30

STATE CODE
06

NPDES PERMIT #
CA0003751

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres JAF</i>	11/20/00

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 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY 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
<i>Drew Squyres</i> 	11/20/00

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 99 / 11 / 01 YEAR / MO / DAY ENDING 99 / 11 / 30 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMP L 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
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
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MONTHLY AVG								
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (Q) 7

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # 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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MONTHLY AVG MONTHLY HIGH MONTHLY LOW						
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT		

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (Q) 8

FACILITY I.D. 3 402003001	BEGINNING YEAR / MO / DAY 99 / 11 / 01	ENDING YEAR / MO / DAY 99 / 11 / 30	STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG
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MONTHLY AVG	NO	NO	NO	NO	NO
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE
MONTHLY LOW					
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0
TIMES EXCEEDED					

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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<i>Drew Squyres</i> 	1/20/00

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

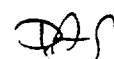
PAGE: (Q) 9

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D IRON mg/l 24-HR COMP METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
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MONTHLY AVG	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

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<i>Drew Squyres</i> 	1/20/00

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 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/1 GRAB OCTOBER	INFLUENT ARSENIC ug/1 GRAB OCTOBER	EFFLUENT ARSENIC ug/1 GRAB OCTOBER	INFLUENT CADMIUM ug/1 GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/1 GRAB OCTOBER	INFLUENT LEAD ug/1 GRAB OCTOBER	EFFLUENT 001 LEAD ug/1 GRAB OCTOBER	INFLUENT ZINC ug/1 GRAB OCTOBER
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M - MEAN 30 = 0	NO LIMIT	6M-MEAN 10 = 0	NO LIMIT	6M-MEAN 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 EFFLUENT RESULT.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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	99 / 11 / 01	ENDING	99 / 11 / 30	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-MEAN 0.2=0	NO LIMIT	6M-MEAN 2.9=0	NO LIMIT	6M-MEAN 30=0	NO LIMIT	6M-MEAN 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (A) 3

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER
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TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	6M-MEAN 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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	1/20/00

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. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER
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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
<i>Drew Squires</i> 	11/20/00

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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PAGE: (A) 5

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 11 / 01		YEAR / MO / DAY ENDING 99 / 11 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION	EFFLUENT 001N SLUDGE MOISTURE	EFFLUENT 001N SLUDGE TOT KJLDL N	EFFLUENT 001N SLUDGE AMMONIA (N)	EFFLUENT 001N SLUDGE NITRATE (N)	EFFLUENT 001N SLUDGE TOT PHOSPHS	EFFLUENT 001N SLUDGE pH	EFFLUENT 001N SLUDGE OIL & GREASE	EFFLUENT 001N SLUDGE BORON	
ANALYSIS UNITS SMPL TYPE FREQ	% GRAB OCTOBER	mg/kg GRAB OCTOBER	mg/kg GRAB OCTOBER	mg/kg GRAB OCTOBER	mg/kg GRAB OCTOBER	pH units GRAB OCTOBER	mg/kg GRAB OCTOBER	mg/kg GRAB OCTOBER	
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TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres DAS</i>	1/20/00

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	99 / 11 / 01	ENDING	99 / 11 / 30	06	CA0003751		
STATION	EFFLUENT 001N SLUDGE CADMIUM	EFFLUENT 001N SLUDGE COPPER	EFFLUENT 001N SLUDGE CHROMIUM	EFFLUENT 001N SLUDGE LEAD	EFFLUENT 001N SLUDGE NICKEL	EFFLUENT 001N SLUDGE MERCURY	EFFLUENT 001N SLUDGE ZINC	EFFLUENT 001N SLUDGE VOLUME
ANALYSIS UNITS SMPL TYPE	mg/kg GRAB	mg/kg GRAB	mg/kg GRAB	mg/kg GRAB	mg/kg GRAB	mg/kg GRAB	mg/kg GRAB	tons
FREQ	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTL<100=0	TTL<2500=0	TTL<500=0	TTL<1000=0	TTL<2000=0	TTL<20=0	TTL<5000=0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> <i>DAJ</i>	11/20/00

Unit 1 Discharge Total Residual Chlorine (ppb) - November 1999

Date	0000 Cl2	0400 Cl2	0800 Cl2	1200 Cl2	1600 Cl2	2000 Cl2	lbs Cl2
11/1/1999	< 7	< 10	< 10	< 10	< 10	< 10	216
11/2/1999	< 10	< 10	< 13	< 13	< 13	< 13	288
11/3/1999	< 10	< 10	10	< 10	< 10	13	288
11/4/1999	13	11	< 10	< 10	14	13	288
11/5/1999	17	11	10	< 10	< 10	< 10	298
11/6/1999	< 10	< 10	< 10	< 10	< 10	< 10	318
11/7/1999	< 10	< 10	< 10	< 10	< 10	< 10	318
11/8/1999	< 10	< 10	< 10	< 10	< 10	< 10	318
11/9/1999	< 10	< 10	< 10	< 10	< 10	< 10	358
11/10/1999	< 10	< 10	< 10	< 10	< 10	< 10	406
11/11/1999	< 10	< 10	< 10	< 10	< 10	< 10	420
11/12/1999	13	< 10	< 10	11	17	18	420
11/13/1999	18	14	< 10	< 10	< 10	11	420
11/14/1999	13	< 10	< 10	< 10	< 10	< 10	420
11/15/1999	< 10	< 10	< 10	< 10	< 10	< 10	441
11/16/1999	11	< 10	< 10	< 10	10	< 10	462
11/17/1999	18	15	15	22	18	18	462
11/18/1999	22	24	35	38	32	32	462
11/19/1999	26	35	29	< 10	< 10	< 10	231
11/20/1999	< 10	< 10	< 10	26	42	38	216
11/21/1999	38	32	32	32	22	20	432
11/22/1999	20	26	24	24	18	26	432
11/23/1999	26	32	22	18	22	29	432
11/24/1999	35	32	26	26	26	32	424
11/25/1999	35	38	29	32	32	32	420
11/26/1999	32	35	38	42	46	38	420
11/27/1999	50	42	38	42	38	38	420
11/28/1999	42	42	42	35	42	38	420
11/29/1999	42	38	38	32	32	29	411
11/30/1999		35	38	35	38	38	396

Unit 2 Discharge Total Residual Chlorine (ppb) - November 1999

Date	0100 Cl2	0500 Cl2	0900 Cl2	1300 Cl2	1700 Cl2	2100 Cl2	lbs Cl2
11/1/1999	27	17	14	< 10	< 10	< 10	264
11/2/1999	< 10	< 7	< 7	< 7	< 7	< 7	144
11/3/1999	< 10	< 10	< 10	< 10	< 10	< 10	240
11/4/1999	< 10	< 10	< 10	< 10	< 10	< 10	288
11/5/1999	< 10	< 10	< 10	< 10	< 10	< 10	288
11/6/1999	< 10	< 10	< 10	< 10	< 10	< 10	288
11/7/1999	< 10	< 10	< 10	< 10	< 10	< 10	288
11/8/1999	< 10	< 10	< 10	< 10	< 10	< 10	288
11/9/1999	< 10	< 10	< 10	< 10	< 10	< 10	309
11/10/1999	< 10	< 10	< 10	< 10	< 10	< 10	342
11/11/1999	< 10	< 10	< 10	< 10	< 10	< 10	348
11/12/1999	< 10	< 10	< 10	< 10	< 10	< 10	348
11/13/1999	< 10	< 10	< 10	< 10	< 10	< 10	348
11/14/1999	< 10	< 10	< 10	< 10	< 10	< 10	348
11/15/1999	< 10	< 10	< 10	< 10	< 10	< 10	360
11/16/1999	< 10	< 10	< 10	< 10	< 10	< 10	372
11/17/1999	< 10	< 10	< 10	< 10	< 10	< 10	372
11/18/1999	< 10	< 10	27	29	24	20	372
11/19/1999	19	16	14	< 10	< 10	< 10	186
11/20/1999	< 10	< 10	< 10	17	22	22	201
11/21/1999	16	16	16	14	13	19	402
11/22/1999	13	20	19	20	16	17	403
11/23/1999	19	16	11	13	19	22	387
11/24/1999	24	20	20	22	19	19	372
11/25/1999	20	24	19	16	20	20	372
11/26/1999	19	19	22	27	32	29	372
11/27/1999	32	32	27	27	22	24	372
11/28/1999	29	24	24	20	22	19	372
11/29/1999	22	16	19	19	17	13	372
11/30/1999		16	19	19	22	16	392

Ken Cortez

3065

**PACIFIC GAS AND ELECTRIC -
SANTARY WASTEWAT
CONTRACT #278**

REV

Post-It brand fax transmittal memo 7671 0 of pages

To: Diablo Canyon From: Jim Wypong

On: _____ Ca: _____

Subject: _____ Phone: 12-15-98 8:50a

Page: 2858 Fax: _____

Eco Resources, Inc. 5820 Stoneridge Mall Road Suite 204 Pleasanton, CA 94588	Pacific Gas and Electric - Diablo Canyon Contacts: Joe Higgins (805) 645-4103 Heather Billing (805) 645-4045
--	---

PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULTS
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil and Grease	mg/l	Weekly	15	20	11-5	12:10	< 5 mg/l Avg. of 3
2.	11-12	9:31	< 5 mg/l "
3.	11-17	13:14	< 5 mg/l "
4.	11-24	13:26	< 5 mg/l "
5.			
1. Suspended Solids	mg/l	Weekly	80	N/A	11-5	12:20	47 mg/l
2.	11-12	8:51	15 mg/l
3.	11-17	13:02	10 mg/l
4.	11-24	13:28	14 mg/l
5.			
1. Settleable Solids	ml/l	Weekly	1.0	3.0	11-5	13:00	< 0.1 ml/l
2.	11-12	9:09	< 0.1 ml/l
3.	11-17	13:20	< 0.1 ml/l
4.	11-24	13:43	< 0.1 ml/l
5.			

NOTES:

1. Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact list above.
2. Oil and Grease and Suspended Solids samples are composites during 1 discharge cycle.
3. If Eco diagnostic analysis results indicate that the system effluent exceeds the listed limits, increase the frequency at which samples are collected and submitted to the contract lab.

COMMENTS:

SLUDGE DISPOSAL DATA			
MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
NOVEMBER		1301 lbs.	SANTAMARIA WWTTP

Data Sheet completed by: J. M. Wypong Date: December 9th, 1999

S:\enveng\water\mpdes\001Ncon.doc

TOTAL P. 01

TOTAL P. 01

P. 01

APPENDIX 4

DIABLO CANYON POWER PLANT


Influent and Effluent Monitoring

December 1999

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	99 / 12 / 01	ENDING	99 / 12 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	53.4	72.7	19.3	2503				
2	52.6	71.8	19.2	2342				
3	51.9	70.9	19.0	2503				
4	52.5	71.7	19.2	2503				
5	53.0	72.3	19.3	2503				
6	53.0	72.5	19.5	2503				
7	52.5	71.9	19.4	2503				
8	52.0	71.3	19.3	2503	7.8	7.8		
9	52.2	71.5	19.3	2503				
10	53.1	72.4	19.3	2503				2 7.8
11	53.4	72.7	19.3	2503				
12	53.8	72.0	18.2	2503				
13	53.4	72.8	19.4	2503				
14	52.1	71.3	19.2	2503				
15	52.1	71.3	19.2	2503				
16	52.0	71.3	19.3	2503			7.9	
17	52.3	71.6	19.3	2503				
18	52.4	71.8	19.4	2503				
19	51.8	71.2	19.4	2503				
20	52.3	71.7	19.4	2502				
21	52.3	71.6	19.3	2503				
22	52.5	71.8	19.3	2503				
23	52.8	72.1	19.3	2503				
24	52.9	72.2	19.3	2504				
25	52.8	72.1	19.3	2504				
26	52.8	72.1	19.3	2503				
27	53.9	73.2	19.3	2503				
28	54.3	73.6	19.3	2503				
29	54.1	73.4	19.3	2503				
30	54.0	73.2	19.2	2503				
31	54.2	72.8	18.6	2503				
MONTHLY AVG	52.9	72.1	19.2	2498	7.8	7.8	7.9	7.8
MONTHLY HIGH	54.3	73.6	19.5	2504	7.8	7.8	7.9	7.8
MONTHLY LOW	51.8	70.9	18.2	2342	7.8	7.8	7.9	7.8
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(**)					
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	11/20/00

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 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 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	792
2							11	42	682
3			3	ND(5)		< 3	12	44	685
4							12	43	720
5							12	34	720
6							12	23	720
7							12	27	705
8							12	30	690
9			3	ND(5)			12	34	690
10		7.8					12	34	690
11							12	32	690
12							12	27	710
13							12	40	665
14							12	38	599
15			3	ND(5)			12	14	549
16	7.9						12	14	534
17							12	23	564
18							12	16	576
19							12	20	576
20			3	ND(5)			12	18	576
21							12	14	573
22							12	15	560
23							12	19	552
24							12	12	552
25							12	< 10	552
26							12	< 10	552
27							12	< 10	552
28							12	< 10	552
29			3	ND(5)			12	< 10	552
30							12	< 10	552
31							12	< 10	552
MONTHLY AVG	7.9	7.8	ND(5)	NO	NO	< 3	21	620	
MONTHLY HIGH	7.9	7.8	ND(5)	DISCHARGE	DISCHARGE	< 3	88	792	
MONTHLY LOW	7.9	7.8	ND(5)			< 3	< 10	552	
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
 Drew Squyres *DS*
 DATE
 1/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (M) 3

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N->003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N->003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	mg/1 1st FLTR	EFFLUENT 001D SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	EFFLUENT 001F SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1									
2			24		24				
3						2	1	ND (5)	
4									
5									
6			4		ND (5)				
7									
8			2	17	1	2	17		
9									
10			<	1				ND (5)	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22			13	<	1			13	
23			1					ND (5)	
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE			< 5**			ND (5)	
MONTHLY HIGH					24			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 AVERAGING USED

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	1/20/00

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

DISCHARGE SELF MONITORING REPORT

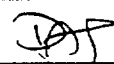
PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (M) 4

FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	99 / 12 / 01		ENDING	99 / 12 / 31		06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1								
2								
3								
4								
5				5	< 1	5		
6								
7								
8								
9								
10	< 1		ND (5)					
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG			ND (5)			5		
MONTHLY HIGH			ND (5)			5		
MONTHLY LOW			ND (5)			5		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

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PAGE: (M) 5

FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99 / 12 / 01			YEAR / MO / DAY ENDING 99 / 12 / 31			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001J SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO DISCHARGE						NO DISCHARGE		
MONTHLY HIGH	NO DISCHARGE						NO DISCHARGE		
MONTHLY LOW	NO DISCHARGE						NO DISCHARGE		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0			
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> <i>DS</i>	1/20/00

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

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PACIFIC GAS AND ELECTRIC CO.
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AVILA BEACH, CALIF 93424

PAGE: (M) 6

FACILITY I.D. 3402003001	BEGINNING YEAR / MO / DAY 99 / 12 / 01	ENDING YEAR / MO / DAY 99 / 12 / 31	STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS		
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET
1						
2						
3						
4						
5						
6						
7						
8						
9						
10				2 <	1	2 ND (5)
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	NO DISCHARGE					ND (5)
MONTHLY HIGH						ND (5)
MONTHLY LOW						ND (5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0 D MAX 100 = 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
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<i>Drew Squyres</i> 	1/20/00

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


PAGE: (M) 7

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 12 / 01			YEAR / MO / DAY ENDING 99 / 12 / 31			STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/1 COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS						
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET				
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2											
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30											
31											
MONTHLY AVG	NO DISCHARGE			13				11			
MONTHLY HIGH				26				11			
MONTHLY LOW				6				11			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0				
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0				
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (M) 8

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 12 / 01			YEAR / MO / DAY ENDING 99 / 12 / 31			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 002 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET			EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET				
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10	2	4	2	1	2	ND (5)		
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28								
29								
30								
31								
MONTHLY AVG						ND (5)		6
MONTHLY HIGH						ND (5)		6
MONTHLY LOW						ND (5)		6
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	1/20/00

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. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 12 / 01			YEAR / MO / DAY ENDING 99 / 12 / 31			STATE CODE 06	NPDES PERMIT # CAD003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR mg/1 NET GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/1 GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/1 GRAB MONTHLY	EFFLUENT 001 COPPER ug/1 GRAB MONTHLY	EFFLUENT 001 NICKEL ug/1 GRAB MONTHLY	EFFLUENT 001 ZINC ug/1 GRAB MONTHLY		
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3				ND(0.1)						
4										
5										
6										
7										
8					ND (10)	ND (10)	ND (10)	ND (10)		
9				ND(0.1)						
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29				ND(0.1)						
30										
31										
MONTHLY AVG	NO DISCHARGE			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-MEAN 10 = 0	6M-MEAN 10 = 0	6M-MEAN 30 = 0	6M-MEAN 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 1/20/00

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 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
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7								
8	** ND (10)	** ND (10)	** ND (10)	ND (200)	ND (200)	< 3		
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MONTHLY AVG	ND (10)	ND (10)	ND (10)	ND (200)	ND (200)	< 3		
MONTHLY HIGH	ND (10)	ND (10)	ND (10)	ND (200)	ND (200)	< 3		
MONTHLY LOW	ND (10)	ND (10)	ND (10)	ND (200)	ND (200)	< 3		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MEAN 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					MAX 30600 = 0			

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** INFLUENT SAMPLES TAKEN FOR COMPARISON TO EFFLUENT

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squyres
DATE
1/20/00

CALIFORNIA REGIONAL WATER QUALITY
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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 ID	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	99 / 12 / 01	ENDING	99 / 12 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001I OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
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MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyes</i> 	1/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (Q) 3

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY AVG						
MONTHLY HIGH						
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 15 = 0	6M-MEAN=0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED	D MAX 20 = 0	=0				
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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<i>Drew Squires</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (Q) 4

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	1/20/00

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. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
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<i>Drew Squyres</i> 	1/20/00

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: (Q) 6

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	1/20/00

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 7

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT			
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MONTHLY AVG							
MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT			
TIMES EXCEEDED							
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres <i>[Signature]</i>	1/20/00

CALIFORNIA REGIONAL WATER QUALITY
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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) 8

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ	EFFLUENT 001D COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/1 24-HR COMP. METAL CLNG	
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31						
MONTHLY AVG	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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<i>Drew Squyres</i> 	1/20/00

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) 9

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	99 / 12 / 01	ENDING	99 / 12 / 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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20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	
MONTHLY HIGH DISCHARGE						
MONTHLY LOW DISCHARGE						
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
 GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squyres [Signature]
 DATE
 1/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (A) 1

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	99 / 12 / 01	ENDING	99 / 12 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMP L TYPE FREQ	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								ND (10)**
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								ND (10)
MONTHLY HIGH								ND (10)
MONTHLY LOW								ND (10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M - MEAN 30 = 0	NO LIMIT	6M-MEAN 10 = 0	NO LIMIT	6M-MEAN 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 EFFLUENT RESULT.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	1/20/00

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	99 / 12 / 01	ENDING	99 / 12 / 31	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
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
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20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	6M-MEAN 0.2=0	NO LIMIT	6M-MEAN 2.9=0	NO LIMIT	6M-MEAN 30=0	NO LIMIT	6M-MEAN 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (A) 3

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER
1							
2							
3							
4							
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6							
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28							
29							
30							
31							
MONTHLY AVG MONTHLY HIGH MONTHLY LOW							
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	6M-MEAN 10=0 D MAX 20=0 I MAX 50=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0 D MAX 20=0	MO AVG 15=0 D MAX 20=0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i> 	11/20/00

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. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPLE 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								
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9								
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24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT	
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0			
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squipes</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (A) 5

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION	EFFLUENT 001N SLUDGE MOISTURE %	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg	EFFLUENT 001N SLUDGE pH pH units	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg	EFFLUENT 001N SLUDGE BORON mg/kg
ANALYSIS UNITS	%	mg/kg	mg/kg	mg/kg	mg/kg	pH units	mg/kg	mg/kg
SAMPL TYPE	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FREQ	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
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23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i> 	11/20/00

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

DISCHARGE SELF MONITORING REPORT


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

PAGE: (A) 6

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 12 / 01		YEAR / MO / DAY ENDING 99 / 12 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION	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								
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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	TTL<>100=0	TTL<>2500=0	TTL<>500=0	TTL<>1000=0	TTL<>2000=0	TTL<>20=0	TTL<>5000=0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
 GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squyres 
 DATE
 11/20/00

Unit 1 Discharge Total Residual Chlorine (ppb) - December 1999

Date	0000 Cl2	0400 Cl2	0800 Cl2	1200 Cl2	1600 Cl2	2000 Cl2	lbs Cl2
12/1/1999	35	38	38	46	38	38	390
12/2/1999	42	46	38	46	88	80	390
12/3/1999	60	60	60	50	42	50	369
12/4/1999	50	55	55	66	50	46	348
12/5/1999	50	50	46	42	42	38	348
12/6/1999	22	24	35	38	29	29	348
12/7/1999	35	35	38	38	38	32	339
12/8/1999	32	38	46	46	42	50	330
12/9/1999	38	46	46	38	35	38	330
12/10/1999	42	42	35	38	35	22	330
12/11/1999	42	35	38	29	35	22	330
12/12/1999	35	29	32	20	18	32	330
12/13/1999	32	29	32	50	50	50	280
12/14/1999	50	50	55	55	< 10	24	267
12/15/1999	15	24	17	< 10	< 10	< 10	243
12/16/1999	< 10	< 10	13	< 10	< 10	< 10	234
12/17/1999	10	10	20	13	15	22	252
12/18/1999	18	18	13	< 10	< 10	13	258
12/19/1999	15	< 10	11	14	20	14	258
12/20/1999	< 10	13	10	< 10	< 10	< 10	258
12/21/1999	< 10	10	< 10	11	< 10	< 10	267
12/22/1999	15	17	< 10	10	20	14	276
12/23/1999	15	22	11	< 10	13	13	276
12/24/1999	< 10	< 10	< 10	< 10	< 10	14	276
12/25/1999	10	< 10	< 10	< 10	10	10	276
12/26/1999	< 10	18	< 10	< 10	< 10	< 10	276
12/27/1999	< 10	< 10	< 10	< 10	< 10	< 10	276
12/28/1999	< 10	13	< 10	< 10	< 10	< 10	276
12/29/1999	< 10	< 10	< 10	< 10	< 10	< 10	276
12/30/1999	< 10	< 10	< 10	< 10	< 10	< 10	276
12/31/1999		< 10	< 10	< 10	< 10	< 10	276

Unit 2 Discharge Total Residual Chlorine (ppb) - December 1999

Date	0100 Cl2	0500 Cl2	0900 Cl2	1300 Cl2	1700 Cl2	2100 Cl2	lbs Cl2
12/1/1999	19	22	20	24	22	22	402
12/2/1999	13	11	24	39		34	292
12/3/1999	35	35	35	32	32	39	316
12/4/1999	35	32	27	32	32	32	372
12/5/1999	32	27	29	19	16	20	372
12/6/1999	16	20	17	17	14	13	372
12/7/1999	14	17	22	14	20	24	366
12/8/1999	20	22	13	22	22	11	360
12/9/1999	19	19	24	42	29	39	360
12/10/1999	35	35	32	32	27	35	360
12/11/1999	29	32	29	29	29	29	360
12/12/1999	27	29	29	27	24	27	360
12/13/1999	27	24	29	46	46	46	330
12/14/1999	51	56	56	51	24	24	332
12/15/1999	19	24	20	17	19	17	306
12/16/1999	22	22	29	24	29	24	300
12/17/1999	29	29	32	32	35	27	312
12/18/1999	22	17	22	19	22	22	318
12/19/1999	19	32	32	27	29	27	318
12/20/1999	32	35	29	35	35	29	318
12/21/1999	29	35	20	22	22	20	306
12/22/1999	24	20	< 10	16	22	22	284
12/23/1999	27	32	32	32	22	11	276
12/24/1999	27	19	19	17	29	17	276
12/25/1999	20	< 10	20	13	13	12	276
12/26/1999	< 10	< 10	< 10	< 10	< 10	< 10	276
12/27/1999	< 10	< 10	< 10	17	< 10	22	276
12/28/1999	< 10	20	27	11	< 10	< 10	276
12/29/1999	< 10	< 10	< 10	12	< 10	< 10	276
12/30/1999	< 10	< 10	< 10	< 10	< 10	< 10	276
12/31/1999		< 10	< 10	< 10	< 10	< 10	276

To: Bob Lorenz	From: Jim Wysons
Co.	Co.
Dept.	Phone # 1-7-2000 11:55AM
Fax # 3858	Fax # 6678

PACIFIC GAS AND ELECTRIC
SANITARY WASTE
CONTRACT #2

REV. 1/99

Eco Resources, Inc. 5820 Stoneridge Mall Road Suite 204 Pleasanton, CA 94588	Pacific Gas and Electric - Diablo Canyon Contacts: Joe Higgins (805) 545-4103 Heather Billing (805) 545-4045
---	---

PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULTS
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil and Grease	mg/l	Weekly	15	20	12.3	9:36	< 5 mg/L Ave. of 3
2.	"	"	"	"	12.9	9:54	< 5 mg/L "
3.	"	"	"	"	12.15	18:04	< 5 mg/L "
4.	"	"	"	"	12.20	14:21	< 5 mg/L "
5.	"	"	"	"	12.29	14:29	< 5 mg/L "
1. Suspended Solids	mg/l	Weekly	60	N/A	12.3	9:20	13 mg/L
2.	"	"	"	"	12.9	9:40	26 mg/L
3.	"	"	"	"	12.15	17:50	9 mg/L
4.	"	"	"	"	12.20	14:11	6 mg/L
5.	"	"	"	"	12.29	14:19	11 mg/L
1. Settleable Solids	ml/l	Weekly	1.0	3.0	12.3	9:50	< 0.1 ml/L
2.	"	"	"	"	12.9	10:10	< 0.1 ml/L
3.	"	"	"	"	12.15	18:06	< 0.1 ml/L
4.	"	"	"	"	12.20	10:28	< 0.1 ml/L
5.	"	"	"	"	12.29	14:31	< 0.1 ml/L

NOTES:

1. Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact list above.
2. Oil and Grease and Suspended Solids samples are composites during 1 discharge cycle.
3. If Eco diagnostic analysis results indicate that the system effluent exceeds the listed limits, increase the frequency at which samples are collected and submitted to the contract lab.

COMMENTS:

SLUDGE DISPOSAL DATA			
MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
DECEMBER 1999		1359 lbs.	SANTA MARIA WWTP

Data Sheet completed by:

Jim Wysons

Date: JANUARY 7, 2000

APPENDIX 5

DIABLO CANYON POWER PLANT

Acute Bioassay

October 28 - November 1, 1999



Env. Ops
RECEIVED
12-7-99
Kno

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

November 19, 1999

Ms. Shawn Peck
FGL Environmental
P.O. Box 272
Santa Paula, CA 93061

Dear Ms. Peck:

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.:	DCPP-280
DATE RECEIVED:	28 October- 99
ABC LAB. NO.:	FGL1092557

ACUTE ABALONE LARVAL DEVELOPMENT BIOASSAY

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

Yours very truly,

Thomas Mikel
FOR Thomas (Tim) Mikel
Laboratory Director

-96 Hr Survival

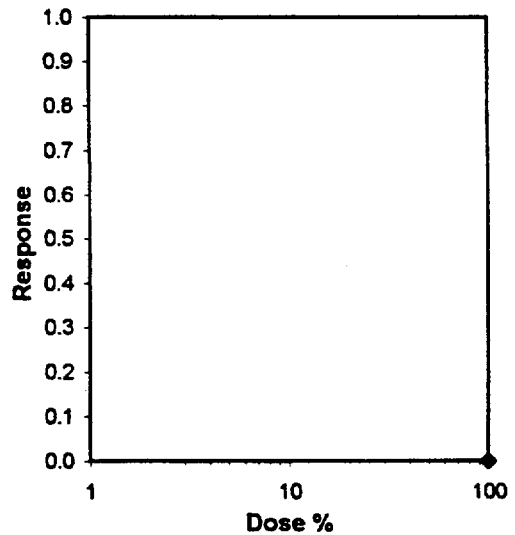
Start Date: 28 Oct-99 00:00 Test ID: PGE1092557 Sample ID: CA0000000
 End Date: 01 Nov-99 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: EFF1-POTW
 Sample Date: 27 Oct-99 00:00 Protocol: EPAM 87-EPA Marine Test Species: HR-Haliotis rufescens
 Comments: DCPP-280

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

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					Isotonic	
			Mean	Min	Max	CV%	N	Mean	N-Mean
N Control	1.0000	1.0000	1.4413	1.4413	1.4413	0.000	2	1.0000	1.0000
100	1.0000	1.0000	1.4413	1.4413	1.4413	0.000	2	1.0000	1.0000

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

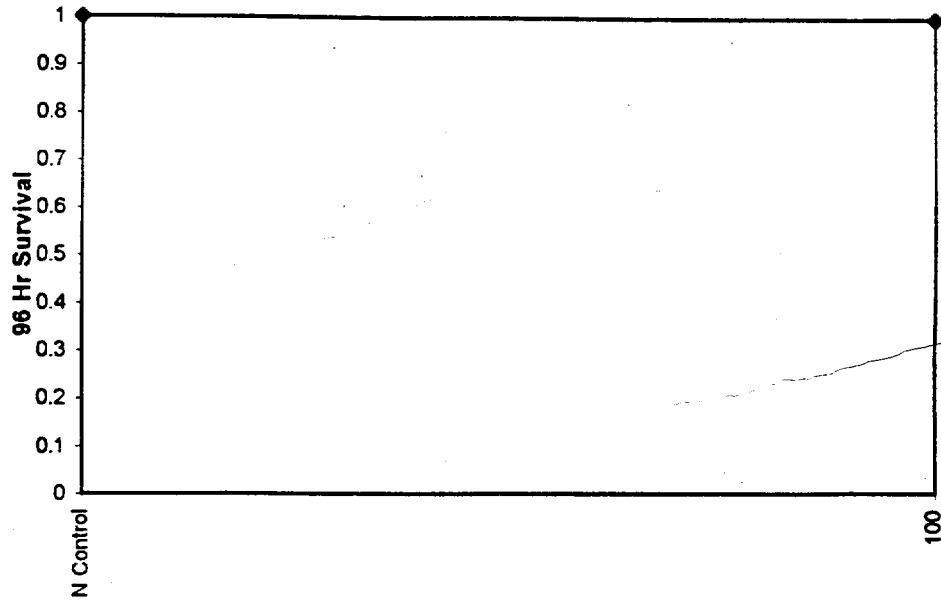
Point	%	SE	Linear Interpolation (80 Resamples)	
			95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



-96 Hr Survival

Start Date:	28 Oct-99 00:00	Test ID:	PGE1092557	Sample ID:	CA0000000
End Date:	01 Nov-99 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF1-POTW
Sample Date:	27 Oct-99 00:00	Protocol:	EPAM 87-EPA Marine	Test Species:	HR-Haliotis rufescens
Comments:	DCPP-280				

Dose-Response Plot



-96 Hr Survival

Start Date:	28 Oct-99 00:00	Test ID:	PGE1092557	Sample ID:	CA0000000
End Date:	01 Nov-99 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF1-POTW
Sample Date:	27 Oct-99 00:00	Protocol:	EPAM 87-EPA Marine	Test Species:	HR-Haliotis rufescens
Comments:	DCPP-280				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	14.92	14.50	15.80	0.52	4.82	5
100		14.94	14.50	15.90	0.56	5.01	5
N Control	pH	7.66	7.60	7.70	0.05	3.06	5
100		7.70	7.70	7.70	0.00	0.00	5
N Control	DO mg/L	6.94	6.50	8.10	0.66	11.69	5
100		6.66	5.80	8.50	1.06	15.49	5
N Control	Salinity	34.00	34.00	34.00	0.00	0.00	5
100		34.00	34.00	34.00	0.00	0.00	5

APPENDIX 6

DIABLO CANYON POWER PLANT

Chronic Bioassay

October 27 - 29, 1999



Env. Ops
RECEIVED
1/12/00
cc: YLorenz
Kelly
Env. Central File
RMS

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

January 5, 2000

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

Dear Ms. Peck:

We are pleased to present the enclosed corrected bioassay report. The test was conducted under guidelines prescribed in "Marine Bioassay Project, Fifth Report, Abalone Larval Development Short-Term Toxicity Test Protocol" as provided to us by the Marine Bioassay Project, Granite Canyon Laboratory, California Department of Fish and Game. Results were as follows:

CLIENT: Diablo Canyon Power Plant
SAMPLE I.D.: DCPP-281
DATE RECEIVED: 27 October -99
ABC LAB. NO.: FGL1092558

CHRONIC ABALONE LARVAL DEVELOPMENT BIOASSAY

NOEC = 100.00 %
TUc = 1.00

IC25 = >100.00 %
IC50 = >100.00 %

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

-Proportion Normal

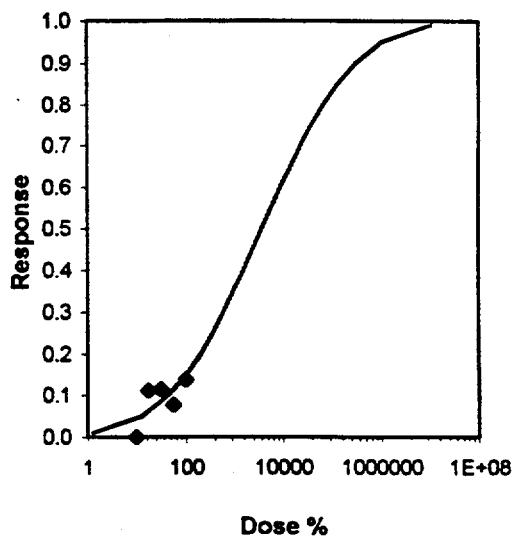
Start Date: 27 Oct-99 00:00 Test ID: PGE1092558 Sample ID: CA0000000
 End Date: 29 Oct-99 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: EFF3-Power Plant
 Sample Date: 27 Oct-99 00:00 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens
 Comments: DCP-281

Conc-%	1	2	3	4	5
N Control	0.9100	0.8600	0.9400	0.9800	0.9500
10	0.8700	0.9300	0.9400	1.0000	1.0000
18	1.0000	0.6500	0.9300	0.6900	0.8500
32	0.8700	0.9100	0.6600	0.8900	0.7800
56	0.8400	0.8300	0.9500	0.7700	0.8900
100	0.7900	0.7300	0.7900	0.8100	0.8800

Conc-%	Transform: Arcsin Square Root							t-Stat	1-Tailed Critical	MSD	Number Resp	Total Number
	Mean	N-Mean	Mean	Min	Max	CV%	N					
N Control	0.9280	1.0000	1.3102	1.1873	1.4289	6.884	5				36	500
10	0.9480	1.0216	1.3740	1.2019	1.5208	10.312	5	-0.718	2.360	0.2096	26	500
18	0.8240	0.8879	1.1830	0.9377	1.5208	20.263	5	1.432	2.360	0.2096	88	500
32	0.8220	0.8858	1.1463	0.9483	1.2661	11.390	5	1.845	2.360	0.2096	89	500
56	0.8560	0.9224	1.1907	1.0706	1.3453	8.716	5	1.345	2.360	0.2096	72	500
100	0.8000	0.8621	1.1101	1.0244	1.2171	6.265	5	2.252	2.360	0.2096	100	500

Auxiliary Tests	Statistic	Critical	Skew	Kurt						
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.97674	0.9	0.26084	0.42075						
Bartlett's Test indicates equal variances (p = 0.21)	7.12376	15.0863								
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	100	>100		1	0.13889	0.14877	0.05156	0.01972	0.05043	5, 24

Maximum Likelihood-Probit											
Parameter	Value	SE	95% Fiducial Limits		Control	Chi-Sq	Critical	P-value	Mu	Sigma	Iter
Slope	0.66869	0.56861	-1.1409	2.47827	0.072	35.2692	11.3449	1.1E-07	3.56724	1.49547	6
Intercept	2.61463	0.98019	-0.5048	5.73402							
TSCR	0.06748	0.03825	-0.0542	0.18921							
Point	Probits	%	95% Fiducial Limits								
EC01	2.674	1.22537									
EC05	3.355	12.8061									
EC10	3.718	44.7428									
EC15	3.964	104.061									
EC20	4.158	203.528									
EC25	4.326	361.879									
EC40	4.747	1543.01									
EC50	5.000	3691.82									
EC60	5.253	8833.08									
EC75	5.674	37663.1									
EC80	5.842	66966.2									
EC85	6.036	130976									
EC90	6.282	304618									
EC95	6.645	1064295									
EC99	7.326	1.1E+07									

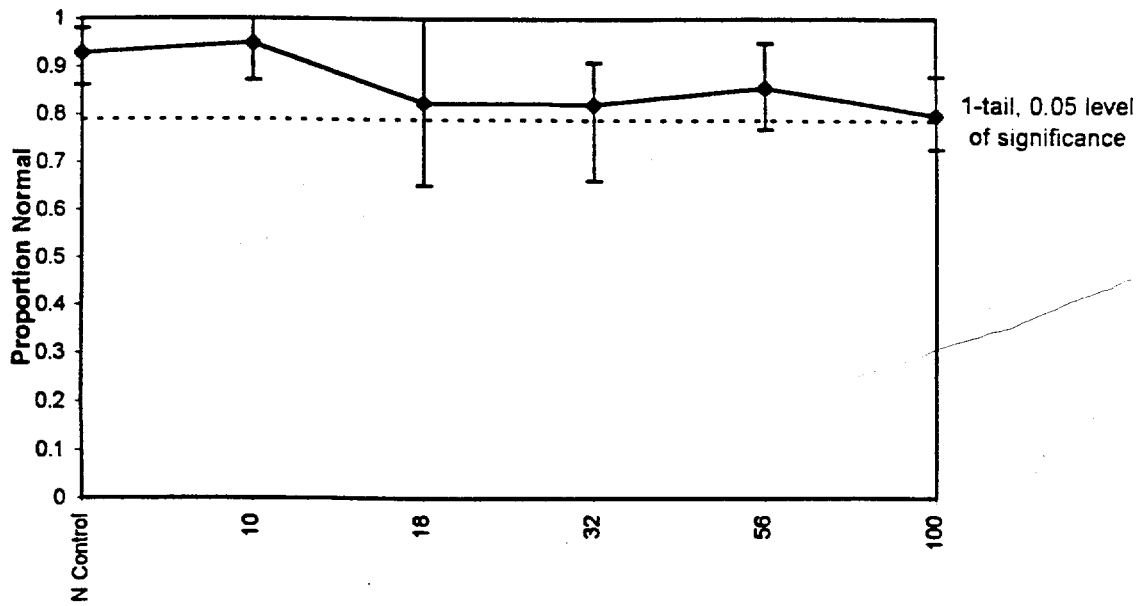


Significant heterogeneity detected (p = 1.07E-07)

-Proportion Normal

Start Date: 27 Oct-99 00:00 Test ID: PGE1092558 Sample ID: CA0000000
End Date: 29 Oct-99 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: EFF3-Power Plant
Sample Date: 27 Oct-99 00:00 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens
Comments: DCP-281

Dose-Response Plot



-Proportion Normal

Start Date: 27 Oct-99 00:00	Test ID: PGE1092558	Sample ID: CA0000000
End Date: 29 Oct-99 00:00	Lab ID: CAABC-Aquatic Bioassay	Sample Type: EFF3-Power Plant
Sample Date: 27 Oct-99 00:00	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: DCP-281		

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp.	15.00	15.00	15.00	0.00	0.00	2
10		15.00	15.00	15.00	0.00	0.00	2
18		15.00	15.00	15.00	0.00	0.00	2
32		15.00	15.00	15.00	0.00	0.00	2
56		15.00	15.00	15.00	0.00	0.00	2
100		15.00	15.00	15.00	0.00	0.00	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 mg/L	7.60	7.50	7.70	0.14	4.95	2
10		7.60	7.40	7.80	0.28	7.00	2
18		7.60	7.50	7.70	0.14	4.95	2
32		7.65	7.50	7.80	0.21	6.02	2
56		7.60	7.40	7.80	0.28	7.00	2
100		7.80	7.70	7.90	0.14	4.82	2
N Control	Salinity gm/L	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



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12-7-99
16

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

CHRONIC ABALONE DEVELOPMENT BIOASSAY

DATE: 27 October -99

STANDARD TOXICANT: Zinc Sulfate

NOEC = <18.00 ug/l

IC25 = 19.61 ug/l
IC50 = 23.96 ug/l

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

FDR

-Proportion Normal

Start Date:	27 Oct-99 00:00	Test ID:	ABS-161	Sample ID:	CA0000000
End Date:	29 Oct-99 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	ZNSO-Zinc sulfate
Sample Date:	27 Oct-99 00:00	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	Standard Toxicant				

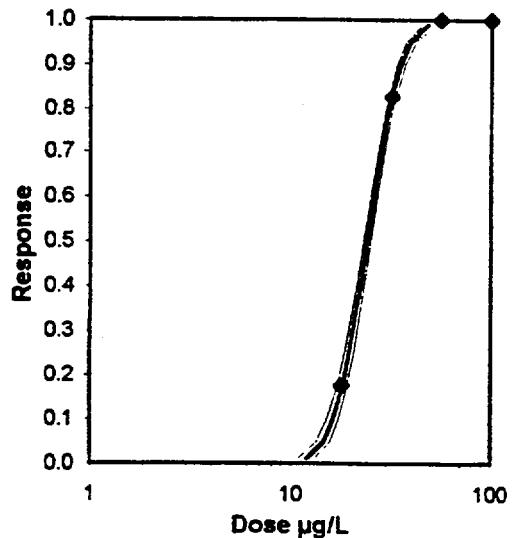
Conc-µg/L	1	2	3	4	5
N Control	0.8600	0.9100	0.8500	0.9300	0.9000
18	0.7100	0.7600	0.6500	0.9000	0.6500
32	0.1700	0.2000	0.1600	0.1100	0.1300
56	0.0000	0.0000	0.0000	0.0000	0.0000
100	0.0000	0.0000	0.0000	0.0000	0.0000

Conc-µg/L	Transform: Arcsin Square Root							t-Stat	1-Tailed Critical	MSD	Number Resp	Total Number
	Mean	N-Mean	Mean	Min	Max	CV%	N					
N Control	0.8900	1.0000	1.2357	1.1731	1.3030	4.414	5				55	500
*18	0.7340	0.8247	1.0371	0.9377	1.2490	12.419	5	3.670	2.110	0.1142	133	500
*32	0.1540	0.1730	0.4014	0.3381	0.4636	12.206	5	15.416	2.110	0.1142	423	500
56	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5				500	500
100	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5				500	500

Auxiliary Tests				Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)				0.8983	0.835	1.2384	2.61867
Bartlett's Test indicates equal variances (p = 0.12)				4.31225	9.21035		
Hypothesis Test (1-tail, 0.05)				NOEC	LOEC	ChV	TU
Dunnett's Test				<18	18		
				MSDu	MSDp	MSB	MSE
				0.08048	0.09024	0.94966	0.00732
				F-Prob	df		
				7.5E-09	2, 12		

Maximum Likelihood-Probit

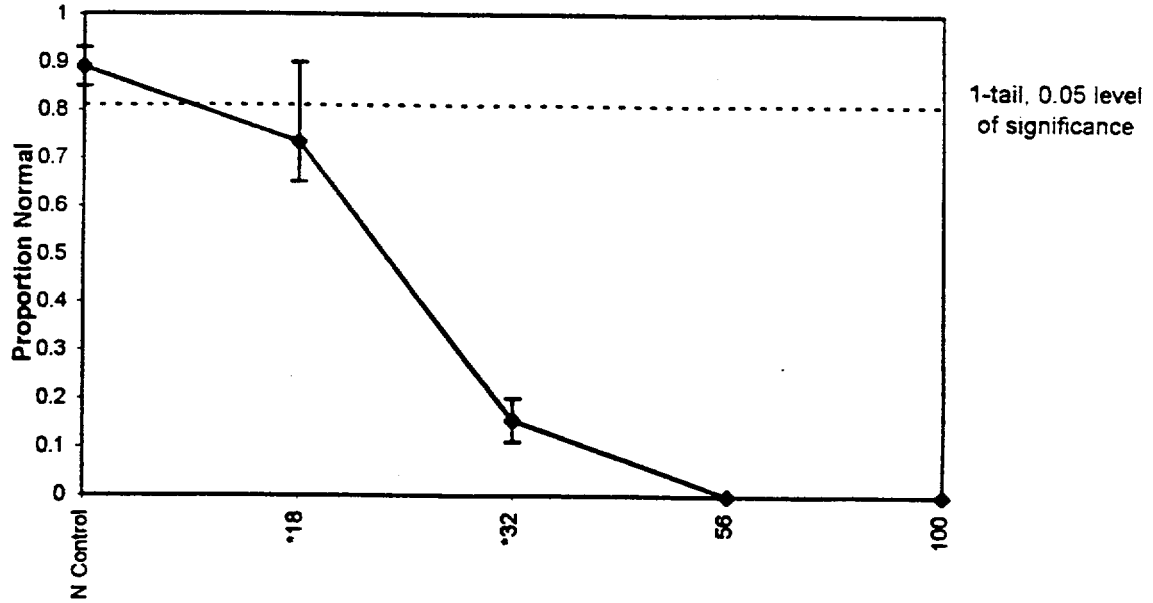
Parameter	Value	SE	95% Fiducial Limits		Control	Chi-Sq	Critical	P-value	Mu	Sigma	Iter
Slope	7.73637	0.43598	6.88185	8.5909	0.11	1.22124	9.21035	0.54	1.37957	0.12926	3
Intercept	-5.6729	0.62005	-6.8882	-4.4576							
TSCR	0.11151	0.01401	0.08405	0.13897							
Point	Probits	µg/L	95% Fiducial Limits								
EC01	2.674	11.9914	10.7569	13.0989							
EC05	3.355	14.6879	13.4857	15.7544							
EC10	3.718	16.3652	15.2053	17.3925							
EC15	3.964	17.6037	16.4824	18.599							
EC20	4.158	18.6546	17.5687	19.6224							
EC25	4.326	19.606	18.553	20.5503							
EC40	4.747	22.2242	21.2538	23.1214							
EC50	5.000	23.9648	23.0302	24.8575							
EC60	5.253	25.8417	24.9155	26.7664							
EC75	5.674	29.2926	28.2763	30.3987							
EC80	5.842	30.7866	29.6888	32.0202							
EC85	6.036	32.6244	31.3966	34.0501							
EC90	6.282	35.0935	33.6488	36.8284							
EC95	6.645	39.1009	37.2282	41.4343							
EC99	7.326	47.8935	44.871	51.8349							



-Proportion Normal

Start Date: 27 Oct-99 00:00 Test ID: ABS-161 Sample ID: CA0000000
End Date: 29 Oct-99 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: ZNSO-Zinc sulfate
Sample Date: 27 Oct-99 00:00 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant

Dose-Response Plot



-Proportion Normal

Start Date: 27 Oct-99 00:00	Test ID: ABS-161	Sample ID: CA0000000
End Date: 29 Oct-99 00:00	Lab ID: CAABC-Aquatic Bioassay	Sample Type: ZNSO-Zinc sulfate
Sample Date: 27 Oct-99 00:00	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant		

Auxiliary Data Summary

Conc- μ g/L	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	15.00	15.00	15.00	0.00	0.00	2
18		15.00	15.00	15.00	0.00	0.00	2
32		15.00	15.00	15.00	0.00	0.00	2
56		15.00	15.00	15.00	0.00	0.00	2
100		15.00	15.00	15.00	0.00	0.00	2
N 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
N Control	DO mg/L	7.60	7.50	7.70	0.14	4.95	2
18		7.65	7.50	7.80	0.21	6.02	2
32		7.65	7.50	7.80	0.21	6.02	2
56		7.60	7.40	7.80	0.28	7.00	2
100		7.70	7.50	7.90	0.28	6.91	2
N Control	Salinity gm/L	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

CLIENT DETAILS

SECTION I

Client: FG-L
 Customer Number: _____
 Address: _____
 Phone: _____
 FAX: _____
 Project name: _____
 Contact Person: _____
 Billing Information (if different from above):
 Name: FG-L
 Address: _____
 Phone: 059-0910
 FAX: _____
 Contact person: Shawn Peck
 Purchase order/contract/FG-L quote number: _____
 Pre Log Required: yes _____ no _____

SAMPLING

SECTION II

Sampler(s): Riley
 Comp Sampler Set up Date: _____ Time: _____
 Mileage: _____

REPORT INFORMATION

SECTION III

Rush Analysis (subject to surcharge):
 05 Day 04 Day 03 Day 02 Day 24 hour
 Electronic Data Transfer: yes _____ no _____
 If yes, To: State _____ Client _____ Other _____
 Lab number: SP909102

AMPLE INFORMATION

SECTION IV

ample 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 (MW) Monitoring Well (GW) Ground Water (TB) Travel Blank (WW) Wastewater (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	Sample Condition: Received Intact (L) Leaking (B) Broken (HS) VOA Headspace Temp: Ambient _____ Chilled _____ Actual <u>4°C</u>	Custody Seal (Y) (N)	pH check
1	DC PP-280-Diablo Cyn Eff-001/12/79	10/27/99	10:40	G	2	P MB WU								X Acute - Juvenile Red Abalone	X		
2	DC PP-281-Diablo Cyn Eff-001/12/79	10/27/99	10:40	G	1	P MB WU								X Chronic - Larval Red Abalone	X		

REMARKS

SECTION V

70 ABC

CUSTODY

Retinquired by and Subject to the terms and conditions on the reverse of this document

Received by: [Signature] Date: 10/27/99 Time: 3:00
 Retinquired by: _____ Date: _____ Time: _____
 Received by: _____ Date: 10/27/99 Time: 1500
 Retinquired by: _____ Date: _____ Time: _____

SECTION VI

AND ANALYSIS REQUEST DOCUMENT

CLIENT DETAILS SECTION I

Client: PG&E Diablo Canyon
 Customer Number: 2013725
 Address: P.O. Box 56
Avila Beach Co. 93424
 Phone: 805-545-3194
 FAX: _____
 Project name: Chronic and Acute Toxicity
 Contact person: Jim Kelly, Env. Operations
 Billing Information (if different from above)
 Name: _____
 Address: _____
 Phone: _____
 FAX: _____
 Contact person: _____
 Purchase order/contract/FOL quote number: _____
 Pre Log Required: yes _____ no _____

SAMPLING SECTION II

Sampler(s): Riley

 Comp Sampler Set up Date: _____ Time: _____
 Time: _____ Mileage: _____

REPORT INFORMATION SECTION III

Rush Analysis: 5 Days _____ 2 Days _____ 24 hrs. _____
 Subject to surcharge
 QA/QC report required: yes _____ no _____
 Electronic Data Transfer: yes _____ no _____
 If yes, To: State _____ Client _____ Other _____
 Lab number: SP 909102
 Lab Loc: SP STK VI _____

SAMPLE INFORMATION SECTION IV

Sample Number	Location/Description	Date Sampled	Time Sampled
1	DCPP-280 - Diablo Canyon Effluent-001	11/02/99	1040
2	DCPP-281 - Diablo Canyon Effluent-001	10/27/99	1040
		10-27-99	
		10-27-99	

Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Container: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water (MW) Monitoring Well	(GW) Ground Water (TB) Travel Blank	(WW) Wastewater (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	Sample Condition: Received Intact (L) Leaking (B) Broken (HS) VOA Headspace Temp: Ambient _____ Chilled _____ Actual _____	Custody Seal (Y) (N)
G	2	P	NP									X Acute Bioassay - Juvenile		
C	1	P	NP									X Chronic Bioassay - Red Abalone Larval		

REMARKS SECTION V

DCPP-281 composite sample from 10-26 to 10-27-99

CUSTODY SECTION VI

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

Relinquished by: Edward A Riley Date 10-27-99 Time 1045
 Received by: _____ Date _____ Time _____
 Relinquished by: _____ Date _____ Time _____
 Received by: _____ Date _____ Time _____