

ENCLOSURE 1

THIRD QUARTER 1999

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

PACIFIC GAS AND ELECTRIC COMPANY

NUCLEAR POWER GENERATION

Third Quarter 1999

REPORT ON

DISCHARGE MONITORING AT

DIABLO CANYON POWER PLANT

(NPDES No. CA0003751)

PACIFIC GAS AND ELECTRIC COMPANY

Third Quarter 1999

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

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Influent and Effluent Monitoring - September, 1999

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APPENDIX 6:

Chronic Bioassay, August 11-13, 1999

OVERVIEW

- A. During the third 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. On September 16, 1999, DCPP personnel noted that low flow may have existed to the Unit 1 discharge chlorine monitor during the period between 0400 hours, 8/13/99 until 1200 hours, 8/15/99. Low volume of sample flow has the potential to impact Total Residual Chlorine (TRC) results. At the time of discovery, flow had been restored to the chlorine monitor so an engineering evaluation was performed to assess discharge limit compliance during the time in question.

The engineering evaluation was performed in accordance with PG&E Letter DCL-94-002 as authorized by the CCRWQCB:

- 1. Sodium hypochlorite injection rates remained constant during this time period.
 - 2. Discharge TRC concentrations were well below the NPDES limitation before and after the questionable period.
 - 3. Ocean TRC demand and operation of the main circulating water system remained constant during the period, and thus,
 - 4. It is concluded that the TRC concentrations during the questionable period remained within the NPDES limits.
- C. On August 23, 1999, DCPP personnel noted that the Unit 2 discharge chlorine monitor stopped collecting data between the injections at 0300 hours and 1300 hours on 8/21/1999. The monitor was not in operation for the injections after 0300 hours on 8/21/99 until 1300 hours on 8/23/1999. DCPP personnel discovered that there was an air leak in the sample pump fitting and the sample line was air bound. This problem was corrected and the monitor was checked for proper operation using check samples. The monitor was found to be operating properly and was put back in service prior to the 1300 hours injection on 8/23/1999.

In accordance with PG&E Letter DCL-94-002, an engineering evaluation was performed as authorized by the CCRWQCB:

- 1. Sodium hypochlorite injection rates remained at a constant rate before, during, and after the time period that the sample pump was inoperable.
 - 2. Discharge TRC concentrations were well below the NPDES limitations before and after the event.
 - 3. Ocean TRC demand and the operation of the circulating water system remained constant, and thus
 - 4. It is concluded that the TRC concentration during the period remain within the NPDES limits.
- D. On August 24, 1999, the Unit 2 discharge chlorine monitor was in its warm up period after calibration when the 1300 hours chlorine injection occurred. The data collected by this

monitor during this injection was considered to be suspect. The cause of this incident was that the Nalco service representative failed to verify injections schedule prior to beginning routine maintenance and calibration of the Unit 2 discharge chlorine monitor. He has been counseled and coached as to the proper procedure when calibrating these instruments. Since the monitor readings during this injection were questionable, and engineering evaluation was requested.

In accordance with PG&E Letter DCL-04-002, and engineering evaluation was performed as authorized by the CCRWQCB:

1. Sodium hypochlorite injection rates remained the same before and after the 1300 hours injection;
2. Discharge TRC concentrations remained within NPDES limitations prior to the 1300 hours injection and after the 1300 hours injection when the monitor was in service;
3. Ocean TRC demand and operation of the main circulating water system remained constant, and thus
4. It is concluded that the TRC concentration during the 1300 hours injection remained within NPDES limits.

- E. On September 25, 1999, DCPP personnel noted a lower than procedural volume of sample flow at the Unit 1 discharge chlorine monitor. Due to a gradual decrease in monitor results noted since the 0800 hours injection on 9/23/1999, it appeared that the sample flow had been decreasing since that time. After a system piping flush, the flow to the monitor remained low; consequently, the sample flow was re-configured to collect water from the upper weir as an interim measure. The sample flow from the lower weir was restored on 10/1/1999. DCPP personnel continue to evaluate methods to assure sufficient flow to these monitors. Since several days of discharge monitor results were in question, an engineering evaluation was performed.

In accordance with PG&E Letter DCL-94-002, an engineering evaluation was performed as authorized by the CCRWQCB:

1. Water box TRC readings with only dilution taken in to account were less than the NPDES limit, and thus
2. It is concluded that the TRC concentration during this time period remained within the NPDES limits.

- F. On September 8, 1999, the following injection of sulfur hexafluoride (SF6) was injected into DCPP's condensers to detect saltwater leaks. CCRWQCB's Sorrel Marks concurred during conversations held in May 1996 that periodic use of SF6 would not increase DCPP's probability of exceeding NPDES permit limitations.

Date	Number of Injections	Duration (sec)	Injection Rate of SF6 (Standard Cubic Feet per Minute)
9/8/1999	1	175	10

- G. During the third quarter of 1999 at the beginning of the Unit 2 Outage, the Intake Cooling Water and the Service Cooling Water (ICW and SCW respectively) for Unit 2 were drained to NPDES Discharge 001. 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)
9/27/1999	Unit 2 ICW	1100	150	0
9/27/1999	Unit 2 SCW	11000	115	0

- H. On September 22, 1999, DCPP experienced the first rainfall event of the season. Water samples were collected of the storm water runoff from NPDES Discharges 005, 008, 009, and 013 on September 22, 1999. The rainfall event stopped prior to collection of a sample from NPDES Discharge 015, but a sample was collected from NPDES Discharge 015 during a subsequent rainfall event the following day, September 23, 1999.

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the July, August, and September 1999 plant influent and effluent monitoring are reported on Q2 forms in **Appendices 2, 3, and 4**, respectively. Additional laboratory results are included behind the Q2 forms to ensure that all analytical data are reported. The additional data are used to develop the "average" values reported on the Q2 forms when analyses are performed several times in one day (e.g., for TRC, an average value is reported on the Q2 form).
2. Results from one acute bioassay on water sampled from Discharge 001, performed August 11-15, 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 August 11-13, 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 were conducted during the third quarter. These studies were 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 from PG&E dated January 8, 1999 (PG&E Letter DCL-99-503). This program includes tasks from the Ecological Monitoring Program (EMP) along with additional stations and increased sampling frequencies. This program replaces the EMP and the Thermal Effects Monitoring Program (TEMP).

2. Proposals for the shell debris deposition and foam studies were included as part of the Final Receiving Water Monitoring Proposal submitted to the CCRWQCB on January 8, 1999 (PG&E Letter DCL-99-503). These studies are part of the revised RWMP described above.

3. In Situ Bioassay

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

C. Acti-Brom Treatment Program

Diablo Canyon Power Plant is continuing its use of the proprietary chemical Acti-Brom to control the growth of macrofouling organisms in its main circulating water conduits. Both circulating water conduits of each Unit can be chemically treated simultaneously.

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

Simultaneous hypochlorite and Acti-Brom treatment of both Unit 1 conduits continued through the end of the third quarter. Conduit 1-1 injections were off (September 22 to September 25) during the Unit 1 Load Rejection Trip. Nine additional injections were not completed during the third quarter due to power supply problems.

Simultaneous hypochlorite and Acti-Brom treatment of both Unit 2 conduits continued until July 30, 1999, when Acti-Brom injections were terminated in anticipation of the Unit 2 refueling outage. Twice daily injections of hypochlorite continued until September 20, 1999 to control microfouling in the condenser. All Unit 2 injections remained off for the remainder of the third quarter. Three injections during the quarter were not completed due to repairs and flow problems.

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 Regenerator
001 I	Seawater Evaporator Blowdown
001 J	Condensate Pumps Discharge Header Overboard
001 K	Condenser Tube Sheet Leak Detection Dump Tank Overboard
001 L	Steam Generator Blowdown
001 M	Wastewater Holding and Treatment System
001 N	Sanitary Wastewater Treatment System
001 P	Seawater Reverse Osmosis System Blowdown
002	Intake Structure Building Floor Drains
003	Intake Screen Wash
004	Bio Lab and Storm Water Runoff
005, 008, 009, 013, 014, 015	Yard Storm Drains
006, 007, 010, 011, 012	Storm Water Runoff
016	Bio Lab Seawater Supply Pump Valve Drain
017	Seawater Reverse Osmosis System Blowdown Drain

APPENDIX 2
DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

July 1999

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY 99/07/01		YEAR / MO / DAY 99/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLOW 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	INFLOW pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY	
1	55.8	76.1	20.3	2503	*	*	*	*	
2	55.8	75.9	20.1	2503					
3	55.5	75.2	19.7	2503					
4	54.4	74.3	19.9	2503					
5	52.8	72.8	20.0	2503					
6	53.3	73.1	19.8	2503					
7	52.3	72.2	19.9	2503					
8	55.7	76.3	20.6	2503					
9	55.4	75.6	20.2	2503					
10	54.1	73.8	19.7	2503					
11	53.2	73.0	19.8	2503					
12	53.8	73.9	20.1	2503					
13	54.1	74.4	20.3	2503					
14	55.3	75.7	20.4	2503					
15	56.4	76.8	20.4	2503					
16	56.3	76.3	20.0	2503					
17	55.1	75.0	19.9	2503					
18	54.2	73.9	19.7	2503					
19	54.3	74.0	19.7	2503					
20	54.0	73.9	19.9	2503	7.9	7.9	7.6	2	
21	53.9	73.8	19.9	2503					
22	54.6	74.7	20.1	2503					
23	54.2	74.2	20.0	2503					
24	52.4	72.1	19.7	2503					
25	51.4	71.2	19.8	2503					
26	52.1	71.7	19.6	2503					
27	52.2	71.8	19.6	2503					
28	51.7	71.5	19.8	2503					
29	51.2	71.1	19.9	2503					
30	50.6	70.6	20.0	2503					
31	50.7	70.3	19.6	2503					
MONTHLY AVG	53.8	73.7	19.9	2503	7.9	7.9	7.6	7.9	
MONTHLY HIGH	56.4	76.8	20.6	2503	7.9	7.9	7.6	7.9	
MONTHLY LOW	50.6	70.3	19.6	2503	7.9	7.9	7.6	7.9	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0 (**)	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

** EXCEPT DURING DEMUSSELING.

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
	10/20/99

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	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	31
2				ND (5)				12	36
3								12	32
4								12	32
5								12	35
6								12	31
7								12	34
8				ND (5)				12	25
9								12	25
10								12	28
11								12	29
12								12	26
13								12	26
14								12	21
15				ND (5)				12	21
16								12	28
17								12	35
18								12	34
19								12	31
20	7.9	7.9					< 3	12	34
21								12	37
22								12	33
23								12	33
24								12	39
25								12	43
26								12	33
27								12	29
28								12	40
29								12	51
30								12	46
31								12	37
MONTHLY AVG	7.9	7.9	ND (5)	NO DISCHARGE	NO DISCHARGE	< 3	33		580
MONTHLY HIGH	7.9	7.9	ND (5)			< 3	51		706
MONTHLY LOW	7.9	7.9	ND (5)			< 3	21		323
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED									
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

DATE

10/20/99

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/07/01		YEAR / MO / DAY ENDING 99/07/31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK		EFFLUENT 001D SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		EFFLUENT 001F SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
*	*	*	*	*	*	*	*	*
1				16	< 1	16		
2				1	< 1	ND (5)		
3								
4								
5								
6				< 1	< 1	ND (5)		
7								
8								
9								
10								
11								
12				20	< 1	20		
13								
14				9		9		
15								
16								
17								
18								
19								
20							9	1
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE		< 5				
MONTHLY HIGH				20				8
MONTHLY LOW				ND (5)				8
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.

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<i>Drew Squyres</i>	10/20/99

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STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001G SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY			EFFLUENT 001H SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY						
1	*	*	*	*	*	*	*	*	*	*	*
2					<	1	<	1		ND (5)	
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20	<	1			ND (5)						
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MONTHLY AVG				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	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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FACILITY I.D.		YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE		NPDES PERMIT #	
3402003001		BEGINNING	99/07/01	ENDING	99/07/31			06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY			EFFLUENT 001J SUSPENDED SOLIDS mg/l 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											
MONTHLY LOW											
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0 MAX 100 = 0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30 = 0 MAX 100 = 0				
TIMES EXCEEDED											
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres 	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99/07/01	YEAR / MO / DAY ENDING 99/07/31	STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY	mg/l NET	EFFLUENT 001L SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
1	*	*	*	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20			2 < 1	ND (5)
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
MONTHLY AVG	NO DISCHARGE			
MONTHLY HIGH	ND (5)			
MONTHLY LOW	ND (5)			
ND (5)	ND (5)			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 100 = 0	NO LIMIT
TIMES EXCEEDED				MO AVG 30 = 0
				D MAX 100 = 0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres DS</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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81 HIGUERA
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DISCHARGE SELF MONITORING REPORT

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AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/07/01			YEAR / MO / DAY ENDING 99/07/31			STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001M SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001N SUSPENDED SLDs mg/1 COMPOSITE WEEKLY			EFFLUENT 001P SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY			
*	*	*	*	*	*	*	*	*	*	*	*
1						ND (5)					
2						29					
3						ND (5)					
4						11	1	< 1			
5						19					
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31											
MONTHLY AVG			NO DISCHARGE		12 29 ND (5)					ND (5) ND (5) ND (5)	
MONTHLY HIGH											
MONTHLY LOW											
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0 D MAX 100 = 0	MO AVG 60 = 0		NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30 = 0 D MAX 100 = 0		
TIMES EXCEEDED											
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	10/20/99

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D.
3402003001

YEAR / MO / DAY
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YEAR / MO / DAY
ENDING 99/07/31

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY					EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY					
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20	2	2	2	< 1	2	ND (5)	15	< 1	15		
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26											
27											
28											
29											
30											
31											
MONTHLY AVG						ND (5)			15		
MONTHLY HIGH						ND (5)			15		
MONTHLY LOW						ND (5)			15		
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 Squipes

DATE

10/20/99

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/07/01			YEAR / MO / DAY ENDING 99/07/31			STATE CODE 06		NPDES PERMIT # CA0003751					
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB WEEKLY WHEN 001N & 001P > 003			EFFLUENT 001N SETTL SOLIDS m/l GRAB WEEKLY			EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY		EFFLUENT 001 COPPER ug/l GRAB MONTHLY		EFFLUENT 001 NICKEL ug/l GRAB MONTHLY		EFFLUENT 001 ZINC ug/l GRAB MONTHLY	
1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2								ND (0.1)		ND (10)		ND (10)		ND (10)	
3								ND (0.1)							
4								ND (0.1)							
5								ND (0.1)							
6								ND (0.1)							
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25								ND (0.1)							
26								ND (0.1)							
27								ND (0.1)							
28								ND (0.1)							
29								ND (0.1)							
30								ND (0.1)							
31								ND (0.1)							
MONTHLY AVG					NO DISCHARGE		ND (0.1)		ND (10)		ND (10)		ND (10)		ND (10)
MONTHLY HIGH							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 Squyres</i>	10/20/99

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3 402003001		YEAR / MO / DAY 99/07/01		YEAR / MO / DAY 99/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
*	*	*	*	*	*	*	*	*	*
1	ND (5)	ND (10)	ND (10)			6			
2						< 3			
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4						< 3			
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20				ND (200)	ND (200)				
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29									
30									
31									
MONTHLY AVG	ND (5)	ND (10)	ND (10)	ND (200)	ND (200)	< 3	< 3	< 3	< 3
MONTHLY HIGH	ND (5)	ND (10)	ND (10)	ND (200)	ND (200)	7	< 3	< 3	< 3
MONTHLY LOW	ND (5)	ND (10)	ND (10)	ND (200)	ND (200)	< 3	< 3	< 3	< 3
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MEAN 3060 = 0 D MAX 12240 = 0 I MAX 30600 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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Drew Squires	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D. 3 402003001		YEAR / MO / DAY 99/07/01		YEAR / MO / DAY 99/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
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22				2 < 3			< 3	2 < 3	< 3
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29									
30									
31									
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	< 3	NO DISCHARGE	< 3	< 3	< 3	< 3
MONTHLY HIGH				< 3		< 3		< 3	
MONTHLY LOW				< 3		< 3		< 3	
TIMES EXCEEDED	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					
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires AS</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/07/01		YEAR / MO / DAY ENDING 99/07/31		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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30									
31				ND (5)	2	ND (5)	2	ND (5)	ND (5)
MONTHLY AVG	< 3		ND(5)	ND(5)	ND (5)	ND (5)			
MONTHLY HIGH	< 3		ND(5)	ND(5)	ND (5)	ND (5)			
MONTHLY LOW	< 3		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.
** SAMPLE AND TEST PERFORMED IN AUGUST

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D.	YEAR / MO / DAY				YEAR / MO / DAY				STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	99/07/01	ENDING	99/07/31				06	CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT				
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25												
26												
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30												
31	ND (10)	2	< 5	2	ND (10)	ND (10)	ND (10)	2	70	2	ND (10)	20
MONTHLY AVG	ND (10)	10	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	70	ND (10)	ND (10)	ND (10)	20
MONTHLY HIGH	ND (10)	10	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	110	ND (10)	ND (10)	ND (10)	20
MONTHLY LOW	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	30	ND (10)	ND (10)	ND (10)	20
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED												
TIMES EXCEEDED												

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squires	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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81 HIGUERA
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DISCHARGE SELF MONITORING REPORT

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DIÁBLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/07/01			YEAR / MO / DAY ENDING 99/07/31			STATE CODE 06		NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT				
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30												
31	ND (10)	2	35	2	ND (10)	150	0.40	2	0.17	2	ND (0.02)	0.03
MONTHLY AVG	ND (10)	35	ND (10)	150	0.40	0.40	0.17	ND (0.02)	0.03			
MONTHLY HIGH	ND (10)	40	ND (10)	150	0.40	0.40	0.20	ND (0.02)	0.03			
MONTHLY LOW	ND (10)	30	ND (10)	150	0.40	0.40	0.14	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	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 	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/07/01			YEAR / MO / DAY ENDING 99/07/31			STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT		
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31	ND (10)	2	15	2	ND (10)	ND (10)	ND (10)	2	ND (10)	2	ND (10)
MONTHLY AVG	ND (10)	15	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY HIGH	ND (10)	30	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY LOW	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	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 DSF</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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81 HIGUERA
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PACIFIC GAS AND ELECTRIC CO.
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PAGE: (Q) 7

FACILITY I.D.
3402003001

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BEGINNING 99/07/01

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ENDING 99/07/31

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP J/A/P/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP J/A/P/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP J/A/P/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP J/A/P/JUL/OCT	
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29					
30					
31	90	2	220	2	ND (20)
					40
MONTHLY AVG	90	220	ND (20)		40
MONTHLY HIGH	90	290	ND (20)		40
MONTHLY LOW	90	150	ND (20)		40
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 	10/20/99

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. 3402003001		YEAR / MO / DAY BEGINNING 99/07/01		YEAR / MO / DAY ENDING 99/07/31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG		
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31							
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE		
MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	MO AVG 1 = 0						
TIMES EXCEEDED	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>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D.
3 402003001

YEAR / MO / DAY
BEGINNING 99 / 07 / 01

YEAR / MO / DAY
ENDING 99 / 07 / 31

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
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31						
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	
MONTHLY HIGH						
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 1 = 0					
TIMES EXCEEDED	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 Squyers</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D. 3402003001		YEAR / MO / DAY 99 / 07 / 01		YEAR / MO / DAY 99 / 07 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFILUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFILUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFILUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFILUENT ZINC ug/l GRAB OCTOBER	
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31									
MONTHLY AVG									10
MONTHLY HIGH									10
MONTHLY LOW									10
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M - MEAN 30 = 0 D MAX 150 = 0 I MAX 400 = 0	NO LIMIT	6M-MEAN 10 = 0 D MAX 20 = 0 I MAX 50 = 0	NO LIMIT	6M-MEAN 10 = 0 D MAX 40 = 0 I MAX 100 = 0	NO LIMIT	

REMARKS:

*NUMBER OF SAMPLES TAKEN DURING THE DAY.

**INFILUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENT RESULT.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres 	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 07 / 01		YEAR / MO / DAY ENDING 99 / 07 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	
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31									
MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	6M-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>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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FACILITY I.D.
3 402003001

YEAR / MO / DAY
99/07/01

YEAR / MO / DAY
99/07/31

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFILUNT 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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29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
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.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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CALIFORNIA REGIONAL WATER QUALITY
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/07/01		YEAR / MO / DAY ENDING 99/07/31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER
1							
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26							
27							
28							
29							
30							
31							
MONTHLY AVG							
MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	MO AVG 15=0	NO LIMIT	NO LIMIT				
TIMES EXCEEDED	DMAX 20=0						
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
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CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLÓ CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99/07/01		YEAR / MO / DAY ENDING 99/07/31		STATE CODE 06	NPDES PERMIT # CA0003751
	STATION EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KULDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER		

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KULDL 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								
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25								
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27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyers 	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/07/01		YEAR / MO / DAY ENDING 99/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER	
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6									
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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	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0		
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0		

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres 	10/20/99

Post-it™ brand fax transmittal memo 7571 | 1 of page 1

To: Heather Billing	From: JIM WYSON
Co.	Co.
Dept.	Phone #
Fax #: 3858	Fax #: 805/493 3:45pm

**PACIFIC GAS AND ELECTRIC -
SANITARY WASTEWATER
CONTRACT #Z71**

REV. 11/93

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	7.2	09:48	< 5 mg/L AVE. OF 3
2.	-	-	-	-	7.8	06:00	< 5 mg/L "
3.	-	-	-	-	7.15	10:11	< 5 mg/L "
4.	-	-	-	-	7.21	10:12	< 5 mg/L "
5.	-	-	-	-	7.28	14:24	< 5 mg/L "
1. Suspended Solids	mg/l	Weekly	60	N/A	7.2	09:34	< 5 mg/L
2.	-	-	-	-	7.8	05:52	29 mg/L
3.	-	-	-	-	7.15	10:01	< 5 mg/L
4.	-	-	-	-	7.21	09:44	11 mg/L
5.	-	-	-	-	7.28	14:08	19 mg/L
1. Settleable Solids	ml/l	Weekly	1.0	3.0	7.2	10:00	< 0.1 ml/l
2.	-	-	-	-	7.8	06:00	< 0.1 ml/l
3.	-	-	-	-	7.16	10:05	< 0.1 ml/l
4.	-	-	-	-	7.22	10:00	< 0.1 ml/l
5.	-	-	-	-	7.28	10:30	< 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
JULY		1393 lbs.	SANTA MARIA WWTP

Data Sheet completed by: m. wyson Date: August 5th, 1999

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

Date	0000 Cl2	0400 Cl2	0800 Cl2	1200 Cl2	1600 Cl2	2000 Cl2	Ibs Cl2
7/1/1999	32	32	32	50	42	42	288
7/2/1999	42	46	46	46	38	38	269
7/3/1999	42	38	42	36	34	34	230
7/4/1999	40	38	38	36	40	40	230
7/5/1999	45	45	42	42	42	42	230
7/6/1999	42	42	42	38	38	35	230
7/7/1999	38	38	42	46	42	42	230
7/8/1999	46	38	26	22	17	29	235
7/9/1999	18	22	35	22	32	35	274
7/10/1999	32	35	35	32	35	35	288
7/11/1999	32	42	38	38	29	32	288
7/12/1999	29	38	35	32	38	33	288
7/13/1999	32	38	32	35	29	32	288
7/14/1999	26	32	32	24	26	20	288
7/15/1999	26	18	18	26	22	18	302
7/16/1999	24	26	29	26	26	29	331
7/17/1999	32	32	35	35	38	35	346
7/18/1999	38	35	35	32	38	35	346
7/19/1999	32	35	38	32	32	35	346
7/20/1999	32	35	35	42	38	38	346
7/21/1999	42	42	50	46	42	46	346
7/22/1999	38	46	50	29	32	29	346
7/23/1999	42	42	55	32	35	35	336
7/24/1999	35	42	46	46	55	46	317
7/25/1999	60	60	60	55	26	42	298
7/26/1999	35	46	38	38	35	35	259
7/27/1999	38	46	42	42	35	38	259
7/28/1999	42	42	46	50	46	50	259
7/29/1999	50	55	50	50	50	46	250
7/30/1999	46	55	46	45	47	42	230
7/31/1999	47	47	47	50	42	38	230

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

Date	0100 Cl2	0500 Cl2	0900 Cl2	1300 Cl2	1700 Cl2	2100 Cl2	Ibs Cl2
7/1/1999	19	19	17	29	27	32	274
7/2/1999	29	32	29	32	24	24	266
7/3/1999	29	27	27	27	23	24	245
7/4/1999	27	27	27	22	26	28	245
7/5/1999	26	31	26	28	27	27	245
7/6/1999	27	27	27	12	22	22	223
7/7/1999	22	24	27	27	27	27	245
7/8/1999	27	20	13	20	19	22	250
7/9/1999	19	20	24	22	24	24	278
7/10/1999	24	22	22	22	22	24	288
7/11/1999	24	27	24	24	22	20	288
7/12/1999	19	19	19	19	19	16	288
7/13/1999	19	20	19	17	16	17	288
7/14/1999	16	16	12	16	19	14	288
7/15/1999	19	13	16	27	24	20	307
7/16/1999	27	27	32	29	29	29	346
7/17/1999	35	35	39	35	35	32	360
7/18/1999	35	35	32	29	29	29	360
7/19/1999	27	32	29	27	27	24	360
7/20/1999	27	29	32	35	35	32	360
7/21/1999	35	29	32	29	29	24	360
7/22/1999	32	29	29	32	24	24	360
7/23/1999	22	24	29	27	24	32	360
7/24/1999	29	32	32	32	39	35	360
7/25/1999	42	46	39	29	29	29	360
7/26/1999	35	32	32	22	22	20	360
7/27/1999	19	17	19	17	16	14	346
7/28/1999	14	14	17	51	51	51	331
7/29/1999	56	56	51	51	51	46	322
7/30/1999	51	46	46	49	30		228
7/31/1999		27		22	27		101

APPENDIX 3
DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

August 1999

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
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AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLOW 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	INFLOW pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY	
*	*	*	*	*	*	*	*	*	*
1	51.5	71.2	19.7	2503					
2	51.6	71.2	19.6	2503					
3	50.8	70.5	19.7	2503					
4	50.3	69.9	19.6	2503					
5	51.2	70.6	19.4	2503					
6	51.9	71.3	19.4	2503					
7	52.6	72.3	19.7	2503					
8	52.1	71.7	19.6	2503					
9	51.9	71.5	19.6	2503					
10	52.2	71.7	19.5	2503	7.9	7.9	7.6	2	7.9
11	53.0	72.1	19.1	2503					
12	52.4	72.2	19.8	2503					
13	51.6	71.4	19.8	2503					
14	51.9	71.7	19.8	2503					
15	52.2	71.9	19.7	2503					
16	52.3	72.2	19.9	2503					
17	53.0	72.9	19.9	2503					
18	52.0	71.9	19.9	2503					
19	51.5	71.3	19.8	2503					
20	52.3	72.0	19.7	2503					
21	52.3	72.0	19.7	2503					
22	54.2	73.8	19.6	2503					
23	54.5	74.2	19.7	2503					
24	53.0	72.7	19.7	2503					
25	52.3	72.0	19.7	2503					
26	52.3	71.9	19.6	2503					
27	52.0	71.8	19.8	2503					
28	52.3	71.9	19.6	2503					
29	52.2	71.8	19.6	2503					
30	52.7	72.5	19.8	2503					
31	51.4	71.4	20.0	2503					
MONTHLY AVG	52.2	71.9	19.7	2503	7.9	7.9	7.6		7.9
MONTHLY HIGH	54.5	74.2	20.0	2503	7.9	7.9	7.6		7.9
MONTHLY LOW	50.3	69.9	19.1	2503	7.9	7.9	7.6		7.9
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0 (**)	MAX 2760 = 0	NO LIMIT	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
Drew Squires	10/20/99

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

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		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 CHLORINE USED lbs/day RECORDED MONTHLY
1	*	*	*	*	*	*	*	*
2							10	29
3							10	24
4							10	27
5				< 6			9	29
6							10	28
7							9	28
8							10	20
9							10	19
10		7.9	7.9				10	17
11				< 6			10	17
12							10	12
13							10	17
14							10	25
15							10	17
16							10	16
17							10	21
18							10	15
19							10	15
20				< 5			10	22
21							10	30
22							10	23
23							10	14
24							10	12
25				< 5			10	19
26							10	22
27							10	25
28							10	30
29							10	30
30							10	27
31							10	23
							10	418
MONTHLY AVG	7.9	7.9	< 6		NO DISCHARGE	NO DISCHARGE	< 3	22
MONTHLY HIGH	7.9	7.9	< 6				< 3	30
MONTHLY LOW	7.9	7.9	< 5				< 3	12
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

** WHEN 001N IS DISCHARGING TO 001P.

*** WHEN 001P IS DISCHARGING TO 003.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/08/01			YEAR / MO / DAY ENDING 99/08/31			STATE CODE 06		NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK			EFFLUENT 001D SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY	mg/l NET		EFFLUENT 001F SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY	mg/l NET			
1	*	*	*	*	*	*	*	*	*	*	*	*
2					< 1							
3								ND (5)				
4												
5												
6												
7												
8												
9												
10					2	14	2	1	2	ND (5)		
11											4	
12											< 1	
13						35						ND (5)
14								35				
15												
16												
17												
18						4						
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31						9			9			
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE						8				ND (5)
MONTHLY HIGH								35				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.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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SAN LUIS OBISPO, CA 93401

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STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS						
		mg/l 1st FLTR	mg/l 2nd FLTR	GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR				
1		*		*		*		*		*	
2											
3											
4											
5											
6											
7											
8											
9											
10		<	1								
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 Squires DS</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY				EFFLUENT 001J SUSPENDED SOLIDS mg/l 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											
MONTHLY HIGH											
MONTHLY LOW											
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0					
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0					
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres DS	10/20/99

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STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY			EFFLUENT 001L SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY						
*	*	*	*	*	*	*	*	*	*	*	*
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
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	NO LIMIT	MO AVG 30 = 0 D MAX 100 = 0			
TIMES EXCEEDED											
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/08/01			YEAR / MO / DAY ENDING 99/08/31			STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001M SUSPENDED SOLIDS		mg/l NET	EFFLUENT 001N SUSPENDED SLDs		mg/l COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS		mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
1	*	*	*	*	*	*	*	*	*	*	*
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MONTHLY AVG					NO DISCHARGE	10 14 ND (5)				ND (5) ND (5) ND (5)	
MONTHLY HIGH											
MONTHLY LOW											
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>	10/20/99

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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/08/01			YEAR / MO / DAY ENDING 99/08/31			STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY			EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY						
1		*	*	*	*	*	*				
2											
3											
4											
5											
6											
7											
8											
9											
10	2	1	2	< 1	ND (5)	6	< 1			6	
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)					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 DS</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR mg/l NET GRAB GRAB WEEKLY WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY
1	*	*	*	*	*	*	*	*	*
2									
3									
4									
5									
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(0.1)	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY HIGH					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>	10/20/99

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1	*	*	*	*	*	*	*	*	*
2									
3									
4									
5									
6									
7									
8									
9									
10	** ND (10)	** ND (10)	** ND (10)						
11									
12									
13							19		
14						<	3		
15									
16									
17									
18						<	3		
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	ND (10)	ND (10)	ND (10)				7		
MONTHLY HIGH	ND (10)	ND (10)	ND (10)				19		
MONTHLY LOW	ND (10)	ND (10)	ND (10)			<	3		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MEAN 3060 = 0 D MAX 12240 = 0 I MAX 30600 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

** ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENT

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres 	10/20/99

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99 / 08 / 01		YEAR / MO / DAY ENDING 99 / 08 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
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MONTHLY AVG	NO DISCHARGE		NO DISCHARGE						
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MONTHLY LOW									
TIMES EXCEEDED	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					
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyers</i>	10/20/99

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY 99/08/01		YEAR / MO / DAY 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT			
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TIMES EXCEEDED	MO AVG 15 = 0	6M-MEAN 0.0	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.
** No Mortalities

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squyres</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
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REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Drew Squyres <i>DAS</i>
DATE
10/20/99

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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PO BOX 56
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squares <i>DJS</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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PO BOX 56
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		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	
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REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squires 	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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

REMARKS:

* NUMBER OF SAMPLES TAKEN DURING THE DAY.

** Influent analysis performed for comparison to effluent other annual analysis to be performed in October.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG		
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TIMES EXCEEDED	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0		
TIMES EXCEEDED							
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REMARKS:

* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres 	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG		
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MONTHLY AVG	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE		
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MONTHLY LOW							
TIMES EXCEEDED	MO AVG 1 = 0						
TIMES EXCEEDED	D MAX 1 = 0						
TIMES EXCEEDED							

REMARKS:

* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres <i>DJS</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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PACIFIC GAS AND ELECTRIC CO.
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLOWNT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLOWNT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLOWNT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLOWNT ZINC ug/l GRAB OCTOBER	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M - MEAN 30 = 0 D MAX 150 = 0 I MAX 400 = 0	NO LIMIT	6M-MEAN 10 = 0 D MAX 20 = 0 I MAX 50 = 0	NO LIMIT	6M-MEAN 10 = 0 D MAX 40 = 0 I MAX 100 = 0	NO LIMIT	
TIMES EXCEEDED									
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REMARKS:

*NUMBER OF SAMPLES TAKEN DURING THE DAY.

**INFLOWNT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENT RESULT.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres <i>DJS</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLOWNT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLOWNT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLOWNT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLOWNT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	
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TIMES EXCEEDED	NO LIMIT	6M-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

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Drew Squyres 	10/20/99

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FACILITY I.D. 3402003001		YEAR / MO / DAY 99/08/01		YEAR / MO / DAY 99/08/31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFILIENT 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 006 OIL & GREASE mg/l GRAB OCTOBER
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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.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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<i>Drew Squares</i>	10/20/99

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FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 99/08/01		YEAR / MO / DAY ENDING 99/08/31		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
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MONTHLY LOW							
TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0		
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squares <i>DJS</i>	10/20/99

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 99/08/01		YEAR / MO / DAY ENDING 99/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KULDN 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									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	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 Sgoures <i>DJ</i>	10/20/99

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	99/08/01	ENDING	99/08/31	06		CA0003751	
STATION	EFFLUENT 001N	EFFLUENT 001N	EFFLUENT 001N	EFFLUENT 001N	EFFLUENT 001N	EFFLUENT 001N	EFFLUENT 001N	EFFLUENT 001N	EFFLUENT 001N
ANALYSIS	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE
UNITS	CADMIUM	COPPER	CHROMIUM	LEAD	NICKEL	MERCURY	ZINC	ZINC	ZINC
SMPL TYPE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
FREQ	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
	OCTOBER	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	10xSTLC=0	10xSTLC=0
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0		
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0		

REMARKS: NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres <i>DJS</i>	10/20/99

To: KEN	From: HEATHER
Co.	Co.
Dept.	Phone #
Fax #	Fax # 30165

PACIFIC GAS AND ELECTRIC - D
SANITARY WASTEWATER
CONTRACT #2780
REV. ----

Eco Resources, Inc.
5820 Stoneridge Mall Road
Suite 204
Pleasanton, CA 94568

Pacific Gas and Electric - Diablo Canyon
Contact:
Joe Higgins (805) 545-4183
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	8-5	11:37	< 6 mg/l AVG OF 3
2.	-	-	-	-	8-11	10:38	< 6 mg/l "
3.	-	-	-	-	8-20	10:48	< 5 mg/l "
4.	-	-	-	-	8-25	10:58	< 5 mg/l "
5.	-	-	-	-	-	-	-
1. Suspended Solids	mg/l	Weekly	80	N/A	8-5	11:25	< 5 mg/l
2.	-	-	-	-	8-11	10:12	12 mg/l
3.	-	-	-	-	8-20	10:30	13 mg/l
4.	-	-	-	-	8-25	10:43	14 mg/l
5.	-	-	-	-	-	-	-
1. Settleable Solids	mg/l	Weekly	1.0	3.0	8-5	11:30	< 0.1 mg/l
2.	-	-	-	-	8-11	11:02	< 0.1 mg/l
3.	-	-	-	-	8-20	11:00	< 0.1 mg/l
4.	-	-	-	-	8-25	11:01	< 0.1 mg/l
5.	-	-	-	-	-	-	-

NOTES:

- Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact listed above.
- Oil and Grease and Suspended Solids samples are composite during 1 discharge cycle.
- 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
AUGUST	1714 lbs.	1714 lbs.	SANTA MARIA WWTP

Data Sheet completed by: J. M. Wypong Date: September 7, 1999

TOTAL P.01

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

Date	0000 Cl2	0400 Cl2	0800 Cl2	1200 Cl2	1600 Cl2	2000 Cl2	Ibs Cl2
8/1/1999	42	35	38	32	32	35	230
8/2/1999	35	38	35	26	29	26	230
8/3/1999	29	35	38	35	32	35	230
8/4/1999	35	35	35	35	32	35	230
8/5/1999	35	35	32	32	32	32	230
8/6/1999	38	35	35	32	29	26	230
8/7/1999	22	29	26	22	22	22	230
8/8/1999	22	22	22	24	20	20	230
8/9/1999	20	20	22	26	26	26	230
8/10/1999	24	24	24	22	20	20	230
8/11/1999	17	17	17	17	18	17	238
8/12/1999	18	20	17	26	26	26	259
8/13/1999	32	35	35	16	35	35	281
8/14/1999	16	30	35	< 10	18	11	288
8/15/1999	21	26	23	13	24	24	288
8/16/1999	26	32	29	29	32	26	290
8/17/1999	26	26	22	22	22	20	290
8/18/1999	22	26	26	26	26	24	290
8/19/1999	26	26	24	35	42	46	290
8/20/1999	38	42	38	35	35	42	290
8/21/1999	38	35	35	29	26	32	290
8/22/1999	32	26	24	20	15	20	290
8/23/1999	20	20	20	18	15	17	290
8/24/1999	18	20	24	22	26	32	290
8/25/1999	32	35	32	35	32	32	290
8/26/1999	32	35	32	32	42	32	293
8/27/1999	38	42	35	42	42	42	302
8/28/1999	38	46	42	38	42	42	302
8/29/1999	42	46	42	38	42	42	302
8/30/1999	35	42	42	32	32	35	302
8/31/1999	38	46	46	38	46	46	302

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

Date	0100 Cl2	0500 Cl2	0900 Cl2	1300 Cl2	1700 Cl2	2100 Cl2	Ibs Cl2
8/1/1999	19	22		16	22		101
8/2/1999	17	20		< 10	14		101
8/3/1999	14	17		14	17		101
8/4/1999	17	17		16			74
8/5/1999	14	17		20	29		101
8/6/1999		24		17	19		77
8/7/1999	14	20		12	14		101
8/8/1999	11	19		13	17		101
8/9/1999	< 10	16		< 10	16		101
8/10/1999	< 10	14		< 10	17		101
8/11/1999	< 10	< 10		< 10	13		103
8/12/1999	< 10	13		12	16		106
8/13/1999	11	16		13	17		108
8/14/1999	12	17		11	19		110
8/15/1999	< 10	13		< 10	12		110
8/16/1999	< 10	12		< 10	11		110
8/17/1999	< 10	11		< 10	< 10		110
8/18/1999	< 10	< 10		< 10	< 10		110
8/19/1999	< 10	< 10		< 10	22		110
8/20/1999	14	20		13	19		110
8/21/1999	14	17		< 10	< 10		110
8/22/1999	< 10	< 10		< 10	< 10		110
8/23/1999	< 10	< 10		< 10	11		110
8/24/1999	11	19		13	< 10		110
8/25/1999	< 10	11		< 10	13		110
8/26/1999	< 10	13		11	18		110
8/27/1999	11	16		12	16		115
8/28/1999	10	14		11	14		115
8/29/1999	< 10	13		< 10	10		115
8/30/1999	< 10	12		< 10	< 10		115
8/31/1999	< 10	< 10		< 10	< 10		115

APPENDIX 4

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

September 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. 3402003001		YEAR / MO / DAY 99/09/01		YEAR / MO / DAY 99/09/30		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	52.5	72.4	19.9	2503	8.0	8.0	7.7	2	
2	54.0	73.7	19.7	2503					
3	53.7	73.4	19.7	2503					
4	53.2	73.8	20.6	2503					
5	53.7	74.4	20.7	2503					
6	54.5	74.9	20.4	2503					
7	55.4	75.9	20.5	2503					
8	55.7	75.9	20.2	2503					
9	55.0	75.1	20.1	2503					
10	55.2	74.8	19.6	2503					
11	56.0	75.4	19.4	2503					
12	55.3	75.0	19.7	2503					
13	54.5	74.2	19.7	2503					
14	53.5	73.2	19.7	2503					
15	53.6	73.5	19.9	2503					
16	54.0	73.9	19.9	2503					
17	54.2	74.0	19.8	2503					
18	54.6	74.6	20.0	2503					
19	55.4	75.2	19.8	2503					
20	55.8	75.7	19.9	2503					
21	55.1	75.2	20.1	2503					
22	54.4	72.4	18.0	2126					
23	55.5	71.2	15.7	1891					
24	55.7	73.2	17.5	1891					
25	55.7	74.5	18.8	2230					
26	56.0	70.8	14.8	1809					
27	56.6	75.9	19.3	1238					
28	56.8	76.2	19.4	1238					
29	56.8	76.0	19.2	1238					
30	55.8	71.6	15.8	1238					
31									
MONTHLY AVG	54.9	74.2	19.3	2249	8.0	8.0	7.7	8.0	
MONTHLY HIGH	56.8	76.2	20.7	2503	8.0	8.0	7.7	8.0	
MONTHLY LOW	52.5	70.8	14.8	1238	8.0	8.0	7.7	8.0	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0 (**)	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS:

* NUMBER OF SAMPLES TAKEN DURING THE DAY.

** EXCEPT DURING 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
Drew Squires <i>DJS</i>	10/20/99

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 55
AVILA BEACH, CALIF 93424

PAGE: (M) 2

FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/09/01		YEAR / MO / DAY ENDING 99/09/30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL 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 TCHLOR RES ug/l GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lb/day RECORDED MONTHLY
1	*	*	*	*	*	*	*	*
2	8.0	8.0	ND (5)			< 3	10	21
3						10	16	389
4						10	27	430
5						10	24	471
6						10	25	471
7						10	22	471
8						10	16	471
9						10	16	490
10						10	22	528
11						10	25	547
12						10	24	547
13						10	24	547
14						10	26	410
15						10	24	527
16						10	20	492
17						10	21	482
18						10	18	482
19						10	10	482
20						10 <	10	482
21						6	23	330
22						6	23	252
23						5	41	145
24						3	67	87
25						6	55	252
26						5 <	13	275
27						2 <	20	110
28						6 <	20	330
29						6 <	20	330
30						6 <	20	330
31								
MONTHLY AVG	8.0	8.0	ND (5)	NO	NO	< 3	20	404
MONTHLY HIGH	8.0	8.0	ND (5)	DISCHARGE	DISCHARGE	< 3	67	547
MONTHLY LOW	8.0	8.0	ND (5)			< 3	< 10	87
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS:

* NUMBER OF SAMPLES TAKEN DURING THE DAY.

** WHEN 001N IS DISCHARGING TO 001P.

*** WHEN 001P IS DISCHARGING TO 003.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squires	10/20/99

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 99/09/01		YEAR / MO / DAY ENDING 99/09/30		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/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		EFFLUENT 001F SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1	*	*	*	1			ND (5)		
2					11			3	< 1
3						2	9		ND (5)
4							11		
5							9		
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				5			
MONTHLY HIGH	DISCHARGE	DISCHARGE				40			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				ND (5)
TIMES EXCEEDED	I MAX >10K								ND (5)

REMARKS:

* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squires</i>	10/20/99

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

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

PAGE: (M) 4

FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/09/01			YEAR / MO / DAY ENDING 99/09/30			STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001G SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY				EFFLUENT 001H SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY					
*	*	*	*	*	*	*	*	*	*	*	*
1	< 1				ND (5)		10		10	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					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								
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Drew Squares</i>	10/20/99

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 5

FACILITY I.D.		YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING	99/09/01	ENDING	99/09/30			06		CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.		EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY			EFFLUENT 001J SUSPENDED SOLIDS mg/l 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						< 1			ND (5)		
23						< 1			ND (5)		
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 MAX 100 = 0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30 = 0 MAX 100 = 0				
TIMES EXCEEDED											
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squyres	10/20/99

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 99/09/01			YEAR / MO / DAY ENDING 99/09/30			STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY			EFFLUENT 001L SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY						
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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								
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squires 	10/20/99

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3402003001		BEGINNING	99/09/01		ENDING	99/09/30		06	CA0003751				
STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 001M SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY			EFFLUENT 001N SUSPENDED SLDs mg/l COMPOSITE WEEKLY				EFFLUENT 001P SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY				
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MONTHLY AVG					10		17						ND (5)
MONTHLY HIGH					10		25						ND (5)
MONTHLY LOW					10		9						ND (5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0 D MAX 100 = 0	MO AVG 60 = 0		NO LIMIT	NO LIMIT	MO AVG 30 = 0 D MAX 100 = 0					
TIMES EXCEEDED													
TIMES EXCEEDED													

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY				EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB MONTHLY								
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31														
MONTHLY AVG			< 5								ND (5)			
MONTHLY HIGH			5								ND (5)			
MONTHLY LOW			ND (5)								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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STATION ANALYSIS UNITS SMPL TYPE FREQ.		EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB WEEKLY WHEN 001N & 001P => 003		EFFLUENT 001N SETTL SOLIDS mg/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM mg/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY	
1	*	*	*	*	*	*	*	*	*
2					< 0.1		ND (10)	ND (10)	ND (10)
3					< 0.1				
4					< 0.1	ND (10)			
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27					< 0.1				
28					< 0.1				
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30					< 0.1				
31					< 0.1				
MONTHLY AVG			NO DISCHARGE	< 0.1	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY HIGH				< 0.1	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
MONTHLY LOW				< 0.1	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
TIMES EXCEEDED -	NO LIMIT	NO LIMIT	MO AVG 30 = 0 D MAX 100 = 0	MO AVG 1.0 = 0 D MAX 3.0 = 0	6M-MEAN 10 = 0 D MAX 40 = 0	6M-MEAN 10 = 0 D MAX 50 = 0	6M-MEAN 30 = 0 D MAX 100 = 0	6M-MEAN 70 = 0 D MAX 380 = 0	6M-MEAN 70 = 0 D MAX 380 = 0
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0	I MAX 990 = 0
TIMES EXCEEDED									

REMARKS:

* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLOWNT CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLOWNT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLOWNT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLOWNT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
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MONTHLY AVG	ND (10)	ND (10)	ND (10)			< 3			
MONTHLY HIGH	ND (10)	ND (10)	ND (10)			< 3			
MONTHLY LOW	ND (10)	ND (10)	ND (10)			< 3			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MEAN 3060 = 0 D MAX 12240 = 0 I MAX 30600 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	MO AVG 15 = 0 D MAX 20 = 0	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

** INFLOWNT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENT.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING	99/09/01	ENDING	99/09/30	06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JAVAP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JAVAP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JAVAP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JAVAP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JAVAP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JAVAP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JAVAP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JAVAP/JUL/OCT	
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MONTHLY AVG	NO	< 3	NO		< 3				
MONTHLY HIGH	DISCHARGE	< 3	DISCHARGE		< 3				
MONTHLY LOW		< 3			< 3				
TIMES EXCEEDED	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						
TIMES EXCEEDED									

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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<i>Drew Squier</i>	10/20/99

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FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 99/09/01		YEAR / MO / DAY ENDING 99/09/30		STATE CODE 06	NPDES PERMIT # CA0003751
	STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB	EFFLUENT 001 TOX CONCEN TU GRAB	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JAP/JUL/OCT		
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MONTHLY AVG						
MONTHLY HIGH						
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 15 = 0	6M-MEAN 0.26	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 Squyers P.A.S.</i>	10/20/99

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3 402003001		BEGINNING	99/09/01	ENDING	99/09/30	06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

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3 402003001		BEGINNING	99/09/01	ENDING	99/09/30	06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

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	STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D 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
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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.

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GREGORY M. RUEGER

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3 402003001		BEGINNING	99/09/01	ENDING	99/09/30	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JUL/AUG/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JUL/AUG/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JUL/AUG/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JUL/AUG/OCT			
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MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT			
TIMES EXCEEDED							
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

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CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 8

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001		BEGINNING	99/09/01	ENDING	99/09/30	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG		
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31							
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE		
MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	MO AVG 1 = 0						
TIMES EXCEEDED	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>	10/20/99

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 55
AVILA BEACH, CALIF 93424

PAGE: (Q) 9

FACILITY I.D. 3402003001		YEAR / MO / DAY 99/09/01		YEAR / MO / DAY 99/09/30		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG		
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MONTHLY AVG	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE		
MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	MO AVG 1 = 0						
TIMES EXCEEDED	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 Squires</i>	10/20/99

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. 3402003001		YEAR / MO / DAY 99/09/01		YEAR / MO / DAY 99/09/30		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLOWNT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLOWNT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLOWNT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLOWNT ZINC ug/l GRAB OCTOBER	
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MONTHLY AVG								ND (10)	
MONTHLY HIGH								ND (10)	
MONTHLY LOW								ND (10)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M - MEAN 30 = 0 D MAX 150 = 0 I MAX 400 = 0	NO LIMIT	6M-MEAN 10 = 0 D MAX 20 = 0 I MAX 50 = 0	NO LIMIT	6M-MEAN 10 = 0 D MAX 40 = 0 I MAX 100 = 0	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS:

"NUMBER OF SAMPLES TAKEN DURING THE DAY.

**INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENT RESULT.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squires <i>DJS</i>	10/20/99

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 99/09/01		YEAR / MO / DAY ENDING 99/09/30		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLOW MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLOW SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLOW CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLOW PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	
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MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	6M-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 250=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 DJS</i>	10/20/99

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 3

FACILITY I.D. 3402003001		YEAR / MO / DAY BEGINNING 99/09/01		YEAR / MO / DAY ENDING 99/09/30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLOW CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER	
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MONTHLY AVG						< 3	< 3	
MONTHLY HIGH						< 3	< 3	
MONTHLY LOW						< 3	< 3	
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.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squires <i>DJS</i>	10/20/99

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 99/09/01		YEAR / MO / DAY ENDING 99/09/30		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	INFILIENT PCBS ug/l GRAB OCTOBER	EFFLUENT 001 PCBS ug/l GRAB OCTOBER	
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31								
MONTHLY AVG	< 3	< 3	< 3		NO DISCHARGE	NO DISCHARGE		
MONTHLY HIGH	< 3	< 3	< 3					
MONTHLY LOW	< 3	< 3	< 3					
TIMES EXCEEDED	MO AVG 15=0	NO LIMIT	NO LIMIT					
TIMES EXCEEDED	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 Squyres</i>	10/20/99

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
B1 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 99/09/01		YEAR / MO / DAY ENDING 99/09/30		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KIIDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH UNITS GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER	
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MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squires <i>DJS</i>	10/20/99

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 99/09/01		YEAR / MO / DAY ENDING 99/09/30		STATE CODE 06	NPDES PERMIT # CA0003751		
	STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
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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	TTLG>100=0	TTLG>2500=0	TTLG>500=0	TTLG>1000=0	TTLG>2000=0	TTLG>20=0	TTLG>5000=0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Drew Squeyer	10/20/99

**PACIFIC GAS AND ELECTRIC
SANITARY WASTEWATER
CONTRACT #27**

To: Heather Billings ca.	From: Jim Higgins ca.
Dept:	Phone #
Fax #: 3858	Fax #: (0-749) 1050 Am

Rev. 1/98

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	9.1	11:28	< 5 mg/l AVE OF 3
2.	-	-	-	-	9.10	8:00	< 5 mg/l "
3.	-	-	-	-	9.16	12:03	< 5 mg/l "
4.	-	-	-	-	9.24	8:40	< 5 mg/l "
5.	-	-	-	-			
1. Suspended Solids	mg/l	Weekly	60	N/A	9.1	11:04	25 mg/l
2.	-	-	-	-	9.10	7:40	9 mg/l
3	-	-	-	-	9.16	11:37	11 mg/l
4.	-	-	-	-	9.24	8:26	22 mg/l
5.	-	-	-	-			
1. Settleable Solids	ml/l	Weekly	1.0	3.0	9.3	11:33	< 0.1 ml/l
2.	-	-	-	-	9.11	20:15	< 0.1 ml/l
3.	-	-	-	-	9.16	12:00	< 0.1 ml/l
4.	-	-	-	-	9.24	8:30	< 0.1 ml/l
5.	-	-	-	-			

NOTES:

- Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact listed above.
- Oil and Grease and Suspended Solids samples are composites during 1 discharge cycle.
- 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
SEPTEMBER	2522	163.	SANTA MARIA WWTP

Data Sheet completed by: Jim Higgins Date: OCTOBER 7th, 1999

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

Date	0000 Cl2	0400 Cl2	0800 Cl2	1200 Cl2	1600 Cl2	2000 Cl2	Ibs Cl2
9/1/1999	46	38	42	29	24	18	288
9/2/1999	26	26	26	38	20	20	274
9/3/1999	18	32	35	42	46	46	310
9/4/1999	35	42	46	38	38	38	346
9/5/1999	38	46	42	42	32	38	346
9/6/1999	35	46	42	38	26	29	346
9/7/1999	26	27	27	32	23	26	346
9/8/1999	26	22	24	32	32	24	360
9/9/1999	26	26	29	38	38	38	389
9/10/1999	38	38	38	38	38	38	403
9/11/1999	42	38	38	42	38	38	403
9/12/1999	38	38	38	42	42	42	403
9/13/1999	38	42	38	46	38	42	403
9/14/1999	46	42	46	42	46	42	262
9/15/1999	46	55	46	35	29	32	375
9/16/1999	27	32	27	24	29	29	340
9/17/1999	29	29	22	24	22	18	330
9/18/1999	22	29	26	26	11	15	330
9/19/1999	< 10	17	18	< 10	< 10	10	330
9/20/1999	< 10	13	13	10	11	17	330
9/21/1999	26	26	26	14	20	24	330
9/22/1999	22	22	22	21	25	25	252
9/23/1999	23	25	25	68	62		145
9/24/1999				68	57	75	87
9/25/1999	68	75	57	66	66	< 10	252
9/26/1999	15	< 13	18	< 13	< 13		275
9/27/1999					< 20	< 20	166
9/28/1999	< 20	< 20	< 20	< 20	< 20	< 20	330
9/29/1999	< 20	< 20	< 20	< 20	< 20	< 20	330
9/30/1999	< 20	< 20	< 20	< 20	33	30	330

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

Date	0100 Cl2	0500 Cl2	0900 Cl2	1300 Cl2	1700 Cl2	2100 Cl2	Ibs Cl2
9/1/1999	< 10	11		< 10	< 10		115
9/2/1999	< 10	10		< 10	< 10		115
9/3/1999	< 10	12		27	12		120
9/4/1999	< 10	< 10		< 10	< 10		125
9/5/1999	< 10	11		< 10	< 10		125
9/6/1999	< 10	< 10		< 10	< 10		125
9/7/1999	< 10	< 10		< 10	< 10		125
9/8/1999	< 10	< 10		< 10	< 10		130
9/9/1999	< 10	< 10		11	13		139
9/10/1999	< 10	12		< 10	11		144
9/11/1999	< 10	< 10		< 10	< 10		144
9/12/1999	< 10	< 10		< 10	< 10		144
9/13/1999	< 10	< 10		< 10	< 10		144
9/14/1999	< 10	< 10		< 10	< 10		148
9/15/1999	< 10	< 10		< 10	< 10		152
9/16/1999	< 10	< 10		14	16		152
9/17/1999	17	20		16	17		152
9/18/1999	14	19		11	< 10		152
9/19/1999	< 10	11		< 10	< 10		152
9/20/1999	< 10	< 10		< 10	< 10		152

APPENDIX 5
DIABLO CANYON POWER PLANT
Acute Bioassays
August 11 - 15, 1999



ENVIRONMENTAL

ANALYTICAL CHEMISTS

ENV Ops
RECEIVED 10/11/99
7-28-99

Orig: Env. Ops. Control Files
cc: JLK
RicL
RHS

September 3, 1999

Pacific Gas & Electric (DCPP)

P.O. Box 56
Avila Beach, CA 93424

Subject: Bioassay - Lab No. SP 906869

Enclosed are results of analyses conducted on your samples received on August 11, 1999.

Please note that the Fish Bioassay was performed by Aquatic Bioassay & Consulting.

Thank you for using FGL Environmental.

Sincerely,
FGL Environmental

Kurt Wilkinson, B.S.
Quality Assurance Director

KW:kdm

Enclosure

This report package is not intended for use in the State of Utah unless bound or paginated

Corporate Offices & Laboratory
PO Box 272 / 853 Corporation Street
Santa Paula, CA 93061-0272
TEL: 805/659-0910
FAX: 805/525-4172
CA EI AP Certification No. 1572

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: 209/942-0181
FAX: 209/942-0423
CA EI AP Certification No. 1552

Field Office
Visalia, CA
TEL: 559/734-9473
FAX: 559/734-8435
Mobile: 559/737-2399



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

August 25, 1999

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

Dear Ms. Peck:

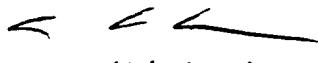
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in "Guidelines for Performing Static Acute Fish Bioassays in Municipal and Industrial Waste Waters" as provided to us by Frederic R. Kopperdahl, Fish and Wildlife Water Pollution Control Laboratory,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

CLIENT: Diablo Canyon Power Plant
SAMPLE I.D.: DCPP-278
DATE RECEIVED: 11 August- 99
ABC LAB. NO.: FGL0892.008

ACUTE ABALONE LARVAL DEVELOPMENT BIOASSAY

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

Yours very truly,


Thomas (Tim) Mikel
Laboratory Director

-96 Hr Survival

Start Date: 11 Aug-99 00:00 Test ID: FGL0892008
 End Date: 15 Aug-99 00:00 Lab ID: CAABC-Aquatic Bioassay
 Sample Date: 11 Aug-99 00:00 Protocol: KOP 76-Kopperdahl
 Comments: DCPP-278

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

Transform: Arcsin Square Root

Conc-%	Mean	N-Mean	Isotonic					Mean	N-Mean
			Mean	Min	Max	CV%	N		
N Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2		
100	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2		

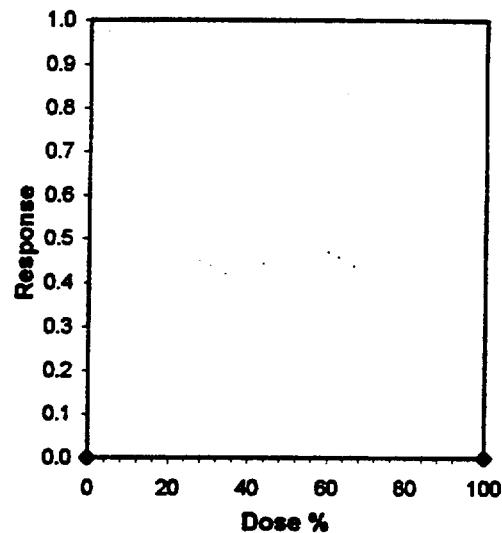
Auxiliary Tests

Normality of the data set cannot be confirmed

Equality of variance cannot be confirmed

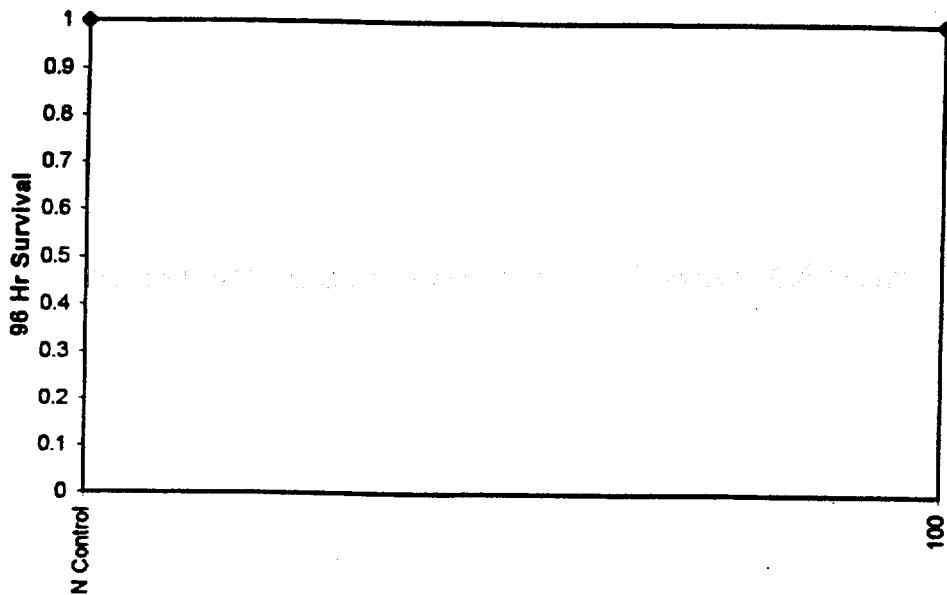
Linear Interpolation (80 Resamples)

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



-96 Hr Survival

Start Date:	11 Aug-99 00:00	Test ID:	FGL0892008	Sample ID:	CA0000000
End Date:	15 Aug-99 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF3-Power Plant
Sample Date:	11 Aug-99 00:00	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	DCPP-278				

Dose-Response Plot

-96 Hr Survival

Start Date:	11 Aug-99 00:00	Test ID:	FGL0892008	Sample ID:	CA0000000
End Date:	15 Aug-99 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF3-Power Plant
Sample Date:	11 Aug-99 00:00	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	DCPP-278				

Conc-%	Parameter	Auxiliary Data Summary					
		Mean	Min	Max	SD	CV%	N
N Control 100	Temp C	15.05	14.70	15.40	0.25	3.33	10
		15.04	14.60	15.40	0.31	3.70	10
N Control 100	pH	7.80	7.70	8.00	0.12	4.36	10
		7.86	7.70	8.00	0.11	4.17	10
N Control 100	DO mg/L	7.93	7.40	8.40	0.33	7.28	10
		7.86	7.30	8.30	0.31	7.08	10
N Control 100	Salinity ppt	34.00	34.00	34.00	0.00	0.00	10
		34.00	34.00	34.00	0.00	0.00	10
N Control 100		0.00	0.00	-1E+308	0.00		0
		0.00	0.00	-1E+308	0.00		0
N Control 100		0.00	0.00	-1E+308	0.00		0
		0.00	0.00	-1E+308	0.00		0

APPENDIX 6
DIABLO CANYON POWER PLANT
Chronic Bioassays
August 11 - 13, 1999



ENVIRONMENTAL

ANALYTICAL CHEMISTS

Env. Ops
RECEIVED
R 8-31-99
Kmo

Orig: Env Ops Central File
cc: JCK
LKL
Rats

August 26, 1999

Pacific Gas & Electric (DCPP)

P.O. Box 56
Avila Beach, CA 93424

Subject: Bioassay - Lab No. SP 906869

Enclosed are results of analyses conducted on your samples received on August 11, 1999.

Please note that the Fish Bioassay was performed by Aquatic Bioassay & Consulting.

Thank you for using FGL Environmental.

Sincerely,
FGL Environmental


Kurt Wilkinson, B.S.
Quality Assurance Director

KW:kdm

Enclosure

This report package is not intended for use in the State of Utah unless bound or paginated

Corporate Offices & Laboratory
PO Box 272 / 853 Corporation Street
Santa Paula, CA 93061-0272
TEL: 805/659-0910
FAX: 805/525-4172

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: 209/942-0181
FAX: 209/942-0423

Field Office
Visalia, CA
TEL: 559/734-9473
FAX: 559/734-8435
Mobile: 559/737-2399



Env. Ops
RECEIVED
8-31-99
Lemo

TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

August 20, 1999

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

Dear Ms. Peck:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in "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-279
DATE RECEIVED: 11 August -99
ABC LAB. NO.: FGL0892007

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

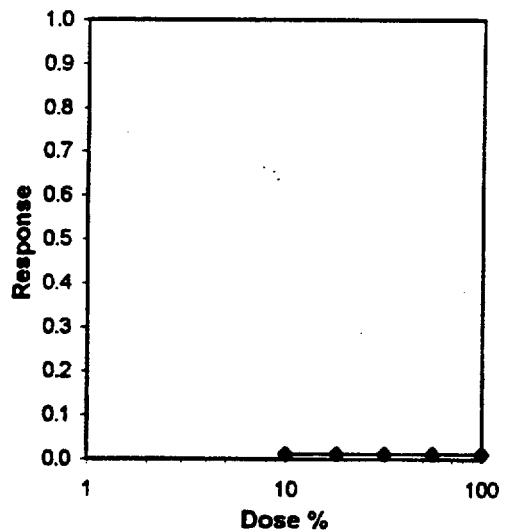
Proportion Normal									
Start Date:	11 Aug-99 00:00	Test ID:	FGL0892007	Sample ID:	CA0000000				
End Date:	13 Aug-99 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF3-Power Plant				
Sample Date:	11 Aug-99 00:00	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens				
Comments:	DCPP-279								

Conc-%	1	2	3	4	5
N Control	0.9700	0.9200	0.9800	0.9800	1.0000
10	0.7900	0.8400	0.9800	0.8500	0.8700
18	0.8600	0.9700	0.9800	1.0000	0.9900
32	1.0000	0.9900	0.9700	0.9900	1.0000
56	0.9700	1.0000	0.9800	0.9900	1.0000
100	1.0000	0.9800	1.0000	0.9700	1.0000

Conc-%	Transform: Arcsin Square Root							1-Tailed			Isotonic	
	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	0.9700	1.0000	1.4119	1.2840	1.5208	6.032	5				0.9700	1.0000
*10	0.8660	0.8928	1.2116	1.0948	1.4289	10.536	5	3.496	2.360	0.1352	0.9588	0.9885
18	0.9600	0.9897	1.4009	1.1873	1.5208	9.146	5	0.192	2.360	0.1352	0.9588	0.9885
32	0.9900	1.0206	1.4759	1.3967	1.5208	3.447	5	-1.118	2.360	0.1352	0.9588	0.9885
56	0.9880	1.0186	1.4676	1.3967	1.5208	3.761	5	-0.972	2.360	0.1352	0.9588	0.9885
100	0.9900	1.0206	1.4776	1.3967	1.5208	4.076	5	-1.147	2.360	0.1352	0.9588	0.9885

Auxiliary Tests	Statistic	Critical	Skew	Kurt						
Shapiro-Wilk's Test indicates normal distribution ($p > 0.01$)	0.97382	0.9	-0.0535	1.53478						
Bartlett's Test indicates equal variances ($p = 0.29$)	6.21189	15.0863								
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU						
Dunnett's Test	100	>100		1	0.059	0.06051	0.05164	0.0082	7.3E-04	5, 24

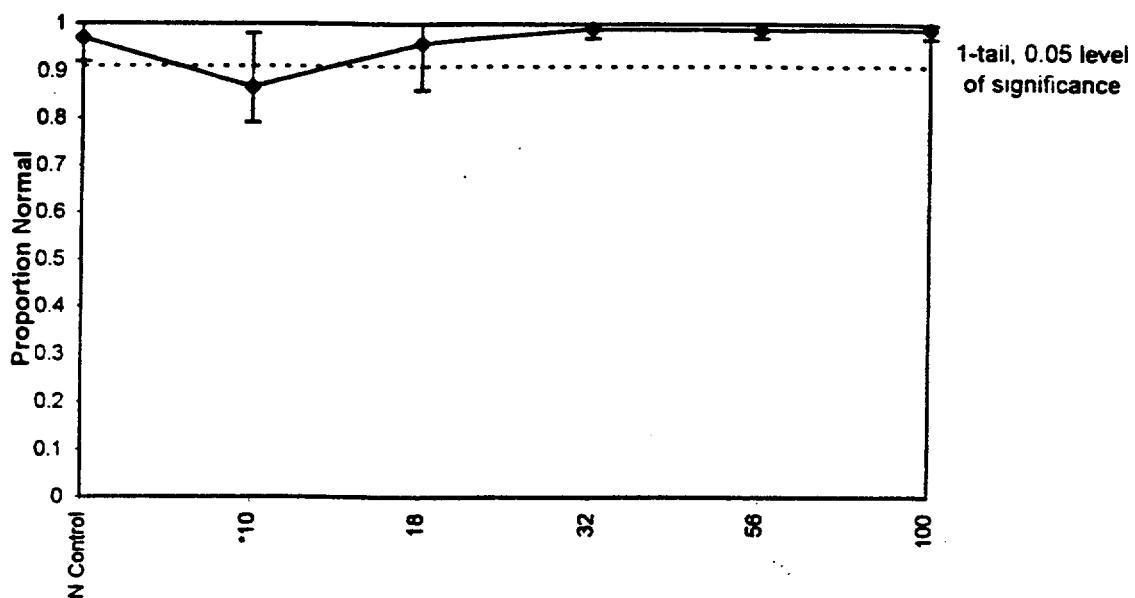
Linear Interpolation (80 Resamples)				
Point	%	SE	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



-Proportion Normal

Start Date: 11 Aug-99 00:00 Test ID: FGL0892007 Sample ID: CA0000000
End Date: 13 Aug-99 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: EFF3-Power Plant
Sample Date: 11 Aug-99 00:00 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens
Comments: DCPP-279

Dose-Response Plot



-Proportion Normal

Start Date:	11 Aug-99 00:00	Test ID:	FGL0892007	Sample ID:	CA0000000
End Date:	13 Aug-99 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	EFF3-Power Plant
Sample Date:	11 Aug-99 00:00	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	DCPP-279				

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		14.95	14.90	15.00	0.07	1.78	2
18		14.95	14.90	15.00	0.07	1.78	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	8.10	8.10	8.10	0.00	0.00	2
10		8.10	8.10	8.10	0.00	0.00	2
18		8.10	8.10	8.10	0.00	0.00	2
32		8.10	8.10	8.10	0.00	0.00	2
56		8.10	8.10	8.10	0.00	0.00	2
100		8.10	8.10	8.10	0.00	0.00	2
N Control	DO mg/L	8.00	8.00	8.00	0.00	0.00	2
10		7.95	7.90	8.00	0.07	3.34	2
18		8.00	8.00	8.00	0.00	0.00	2
32		8.05	8.00	8.10	0.07	3.30	2
56		8.05	8.00	8.10	0.07	3.30	2
100		8.05	8.00	8.10	0.07	3.30	2
N Control	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



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

CHRONIC ABALONE DEVELOPMENT BIOASSAY

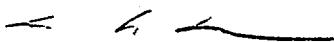
DATE: 11 August -99

STANDARD TOXICANT: Zinc Sulfate

NOEC = 32.00 ug/l

IC25 = 38.67 ug/l
IC50 = 45.78 ug/l

Yours very truly,


Thomas (Tim) Mikel
Laboratory Director

-Proportion Normal

Start Date:	11 Aug-99 00:00	Test ID:	ABS-157	Sample ID:	CA0000000
End Date:	13 Aug-99 00:00	Lab ID:	CAABC-Aquatic Bioassay	Sample Type:	ZNSO-Zinc sulfate
Sample Date:	11 Aug-99 00:00	Protocol:	MBP 90-Anderson et al.	Test Species:	HR-Haliotis rufescens
Comments:	Standard Toxicant				

Conc- μ g/L	1	2	3	4	5
N Control	0.9200	0.9700	0.9000	0.9200	0.9700
18	0.9500	0.8900	1.0000	0.9900	0.9200
32	0.9800	0.6600	0.9500	0.9400	0.8100
56	0.1500	0.4500	0.0500	0.3500	0.0100
100	0.0000	0.0000	0.0000	0.0000	0.0000

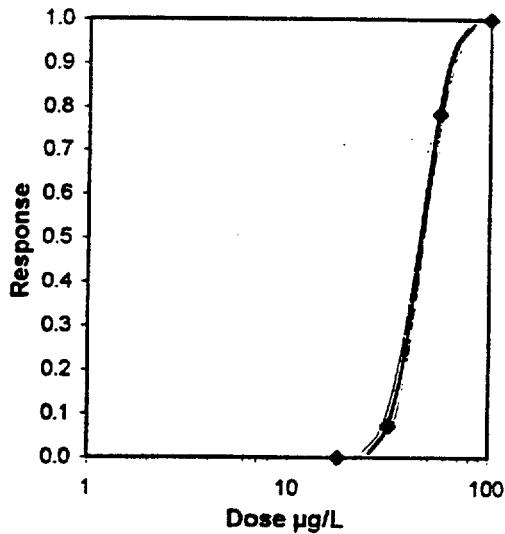
Conc- μ g/L	Transform: Arcsin Square Root							t-Stat	1-Tailed Critical	MSD	Number Resp	Total Number
	Mean	N-Mean	Mean	Min	Max	CV%	N					
N Control	0.9360	1.0000	1.3221	1.2490	1.3967	5.263	5				32	500
18	0.9500	1.0150	1.3707	1.2327	1.5208	8.913	5	-0.427	2.230	0.2537	25	500
32	0.8680	0.9274	1.2331	0.9483	1.4289	15.862	5	0.782	2.230	0.2537	66	500
*56	0.2020	0.2158	0.4183	0.1002	0.7353	63.851	5	7.945	2.230	0.2537	399	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 ($p > 0.01$)	0.98261	0.868	-0.1451	-0.2857							
Bartlett's Test indicates equal variances ($p = 0.10$)	6.20714	11.3449									
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU							
Dunnett's Test	32	56	42.332	MSDu	MSDp	MSB	MSE	F-Prob	df		
				0.17124	0.18228	1.00699	0.03235	6.5E-07	3, 16		

Maximum Likelihood-Probit

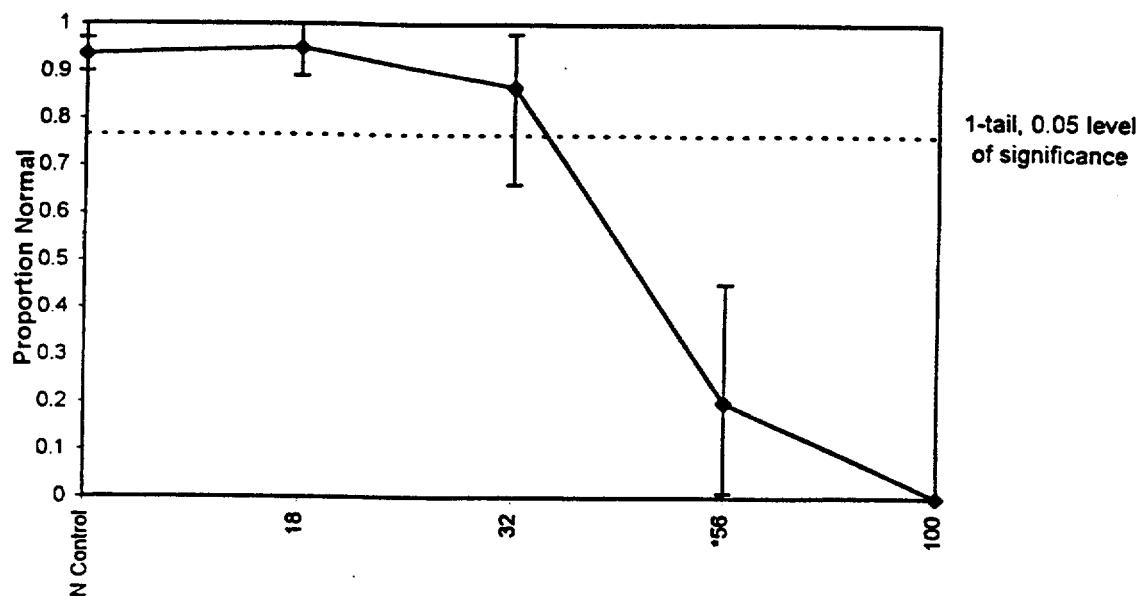
Parameter	Value	SE	95% Fiducial Limits	Control	Chi-Sq	Critical	P-value	Mu	Sigma	Iter
Slope	9.19316	0.52586	8.16248 10.2238		0.064	1.01814	9.21035	0.6	1.6607	0.10878
Intercept	-10.267	0.89072	-12.013 -8.5213							
TSCR	0.05743	0.00735	0.04303 0.07184							
Point	Probits	μ g/L	95% Fiducial Limits							
EC01	2.674	25.565	23.3549 27.5077							
EC05	3.355	30.3233	28.2601 32.1225							
EC10	3.718	33.2121	31.2693 34.9066							
EC15	3.964	35.315	33.4689 36.9309							
EC20	4.158	37.0809	35.3185 38.6322							
EC25	4.326	38.6661	36.9783 40.1632							
EC40	4.747	42.9675	41.4587 44.3555							
EC50	5.000	45.7824	44.3495 47.1511							
EC60	5.253	48.7817	47.3713 50.1976							
EC75	5.674	54.2085	52.6531 55.9193							
EC80	5.842	56.5259	54.8396 58.4406							
EC85	6.036	59.3524	57.4612 61.5681							
EC90	6.282	63.1104	60.886 65.7988							
EC95	6.645	69.1226	66.2604 72.6983							
EC99	7.326	81.9881	77.4864 87.8419							



-Proportion Normal

Start Date: 11 Aug-99 00:00 Test ID: ABS-157 Sample ID: CA0000000
End Date: 13 Aug-99 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: ZNSO-Zinc sulfate
Sample Date: 11 Aug-99 00:00 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant

Dose-Response Plot



-Proportion Normal

Start Date: 11 Aug-99 00:00 Test ID: ABS-157 Sample ID: CA0000000
End Date: 13 Aug-99 00:00 Lab ID: CAABC-Aquatic Bioassay Sample Type: ZNSO-Zinc sulfate
Sample Date: 11 Aug-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 Control	Temp C	14.65	14.50	14.80	0.21	3.14
		14.65	14.50	14.80	0.21	3.14
		14.65	14.50	14.80	0.21	3.14
		14.55	14.50	14.60	0.07	1.83
		14.55	14.50	14.60	0.07	1.83
N Control	pH	7.90	7.90	7.90	0.00	0.00
		7.90	7.90	7.90	0.00	0.00
		7.90	7.90	7.90	0.00	0.00
		7.90	7.90	7.90	0.00	0.00
		7.90	7.90	7.90	0.00	0.00
N Control	DO mg/L	7.95	7.90	8.00	0.07	3.34
		7.95	7.90	8.00	0.07	3.34
		7.95	7.90	8.00	0.07	3.34
		7.95	7.90	8.00	0.07	3.34
		7.95	7.90	8.00	0.07	3.34
N Control	Salinity gm/L	34.00	34.00	34.00	0.00	0.00
		34.00	34.00	34.00	0.00	0.00
		34.00	34.00	34.00	0.00	0.00
		34.00	34.00	34.00	0.00	0.00
		34.00	34.00	34.00	0.00	0.00



CUSTODY AND ANALYSIS REQUEST DOCUMENT

CRITICAL

CLIENT DETAILS SECTION I

Client: FGL New Customer

Customer Number: _____

Address: _____

Phone: _____

FAX: _____

Project name: PGE Diablo Qtry ToxicityContact person: Ronnel Harvey

Billing Information (if different from above)

Name: _____

Address: _____

Phone: _____

FAX: _____

Contact person: _____

Purchase order/contract/FGL quote number: _____

Pre Log Required: yes _____ no _____

SECTION I

SAMPLING SECTION II

SECTION II

REPORT INFORMATION SECTION III

Rush Analysis (subject to surcharge):

 5 Day 4 Day 3 Day 2 Day 24 hour

Electronic Data Transfer: yes _____ no _____

If yes, To: State _____ Client _____ Other _____

Lab number: SP 906 869

Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube	(P) Portable (NP) Non-Porables	(SW) Surface Water (MW) Monitoring Well	(GW) Ground Water (TB) Travel Blank	(WW) Wastewater (DW) Drinking Water	(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
G	1	P	WW	(MW)	(TB)	(DW)	(SLG)	(SRC)	(OTH)	(PRD)	(1)	X Acute - Inorganic & organic metals
C	1	P	WW	(GW)	(TB)	(DW)	(SLD)	(W)	(RPT)	(PET)	(2)	X Organic - Chemical React activation

Sample Condition: Received Intact
 (L) Leaking, (B) Broken (HS) VOA Headspace
 Temp: Ambient Chilled Actual
 Custody Seal (Y) (N) pH check

To Lab D/I:

SAMPLE INFORMATION SECTION IV

SECTION IV

Sample Number	Location/Description	Date Sampled	Time Sampled
1	DCPP-278 - DCAP EFP / Discharge 001	8/11/99	0945
2	DCPP-279 - DCAP EFP / Discharge 001	8/11/99	0945

REMARKS SECTION V

SECTION V

Sub to ABC

CUSTODY

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

S JA. RamosDate 8/11/99 Time 3:00Date 8/11/99 Time 3:00

Received by _____

Relinquished by _____

Received by _____

Date _____ Time _____

Date _____ Time _____

Date _____ Time _____

Relinquished by _____ Date _____ Time _____

Received by _____ Date _____ Time _____

Relinquished by _____ Date _____ Time _____

Received by _____ Date _____ Time _____