

Third Quarter 1994

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

**National Pollutant Discharge Elimination System
(NPDES No. CA0003751)**

**PACIFIC GAS AND ELECTRIC COMPANY
Nuclear Power Generation**

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PACIFIC GAS AND ELECTRIC COMPANY

Third Quarter 1994

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

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OVERVIEW

- A. During the third quarter of 1994, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001J, 001L, 001M, 001N, 001P, and 002 through 016. No discharges occurred from Discharge Paths 001I, 001K, and 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1**.
- B. On July 28, 1994, approximately 20,000 gallons of wastewater containing acetone at a concentration of 20 ppb was drained to Discharge 001M through the waste water holding and treatment tank. The contaminated wastewater discharge was due to maintenance involving the cold machine shop underground storage tank.

Sorrel Marks of the California Regional Water Quality Control Board (CRWQCB) was previously notified on July 26, 1994, that PG&E planned to discharge wastewater containing low levels of acetone to Discharge 001M. A description of the discharge is included in this report at Sorrel Mark's request.

- C. On August 19, 1994, a manual chlorination cycle for the Unit 1 circulating water conduit was not monitored. The on-line chlorine analyzer was inoperable due to maintenance activities. The operations department was instructed not to perform manual chlorinations until the analyzer was fixed. However, at 1000 PDT, a manual chlorination into the Unit 1 circulating water conduit occurred. Based upon the fact that the circulating water pump (CWP) flowrates did not change during the unmonitored time period and the Unit 1 CWP conduit treatment cycle was within specification before, during, and after the unmonitored cycle, the Unit 1 cycle is believed to be within the 120-minute daily chlorination time limit and chlorine discharge concentration. This engineering evaluation was done in accordance with PG&E Letter DCL-94-002, as authorized by the CRWQCB.
- D. On August 20, 1994, during a manual chlorination of the Unit 1 circulating water conduit the chlorination injection time limit was exceeded by less than five minutes. The time limit was exceeded due an inaccurate start time of the concurrent manual dechlorination cycle. The concentration limits for chlorine were not exceeded. NPDES permit 90-09 states that total residual chlorine may not be discharged from any single generating unit for more than two hours per day.

On August 25, 1994, Sorrel Marks of the CRWQCB Staff was notified of this event. Sorrel Marks requested that PG&E include a description of this event in this report.

- E. During the week of September 5th, 1994, auxiliary saltwater system (ASW) flowrate testing occurred. The flowrate testing involved injecting rhodamine dye into the ASW pump suction. Flowrate of the ASW system is 11,000 gpm with a target dye concentration of 10 ppb. This volume was diluted by the four main CWPs flow prior to discharge through Discharge pathway 001. The rhodamine dye concentration would be nondetectable with this dilution factor. Notification was made via PG&E Letter DCL-94-189 submitted to your office on August 26, 1994.

- F. On September 13, 1994, 50 gallons of service cooling water (SCW) containing glutaraldehyde at a concentration of 109 ppm was drained to Discharge 001F. The discharge was due to routine maintenance.
- G. During the Unit 2 sixth refueling outage beginning September 24, 1994, two loops of intake cooling water containing glutaraldehyde, were drained to Discharge 002 as part of a routine maintenance program. Also, one loop of the component cooling water, and one loop of the SCW, containing glutaraldehyde, were drained to Discharge 001F as part of a routine maintenance program. PG&E has committed to report to the CRWQCB "significant" discharges of closed cooling water systems containing glutaraldehyde. Listed below are the volume of water and the glutaraldehyde concentration discharged:

<u>ICW Loop</u>	<u>Volume Drained</u>	<u>Glutaraldehyde Concentration</u>
1	1100 gallons	43 ppm
2	1100 gallons	43 ppm
<u>CCW Loop</u>	<u>Volume Drained</u>	<u>Glutaraldehyde Concentration</u>
2	20 gallons	82 ppm
<u>SCW Loop</u>	<u>Volume Drained</u>	<u>Glutaraldehyde Concentration</u>
2	60 gallons	109 ppm

- H. In all cases, chemical, radiochemical, and toxicity analyses were performed in accordance with chemical analysis procedures contained in the Diablo Canyon Power Plant (DCPP), Units 1 and 2 Plant Manual, Volume 8, by State approved laboratories, or laboratories meeting the requirements specified in the CRWQCB: "Standard Provisions and Reporting Requirements," dated January 25, 1985. Receiving water monitoring was performed in accordance with approved biological and oceanographic procedures.
- I. Each substance listed in Table B of the 1990 Ocean Plan were analyzed in July 1994. Results of the study will be reported in the NPDES permit renewal application for DCPP.

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the July, August, and September 1994 plant influent and effluent monitoring are reported on Q2 forms in Appendices 2, 3, and 4, respectively. Additional laboratory results are also placed in Appendices 2 through 4 behind the Q2 forms. This information is provided to ensure that all analytical data are reported "uncensored." The additional data are used to develop the "average" values reported on the Q2 forms when analyses are

performed several times in one day (i.e., for TRC, an average value is reported on the Q2 form).

2. Results from an acute bioassay on water sampled from Discharge 001, performed July 11-15, 1994, are included in **Appendix 5**. The acute toxicity test results show that the toxicity is zero (no mortality occurred during the test).
3. Results from chronic bioassay performed July 13-15, 1994, on water sampled from Discharge 001 are included in **Appendix 6**. The chronic toxicity results show that the toxicity is 1.79. The calculated effluent concentration limit from Chapter IV, Section A of the 1990 California Ocean Plan is 5.11.
4. Listed below are the detection limits used for plant effluent analyses performed during the quarter:

<u>Parameter</u>	<u>Detection Limit</u>
Oil and Grease	3 mg/l
Total Residual Chlorine	0.020 mg/l*
Suspended Solids	1 mg/l
Settleable Solids	0.1 ml/l
Ammonia (N)	0.057 mg/l
Metals (chelation extraction)	
Chromium	0.005 mg/l
Copper	0.003 mg/l
Nickel	0.003 mg/l
Zinc	0.001 mg/l

* Reference PG&E Letter DCL-94-192 submitted to Regional Water Quality Control Board, Central Coast Region, August 31, 1994.

B. Monitoring of Receiving Waters

1. Ecological Studies at Diablo Canyon

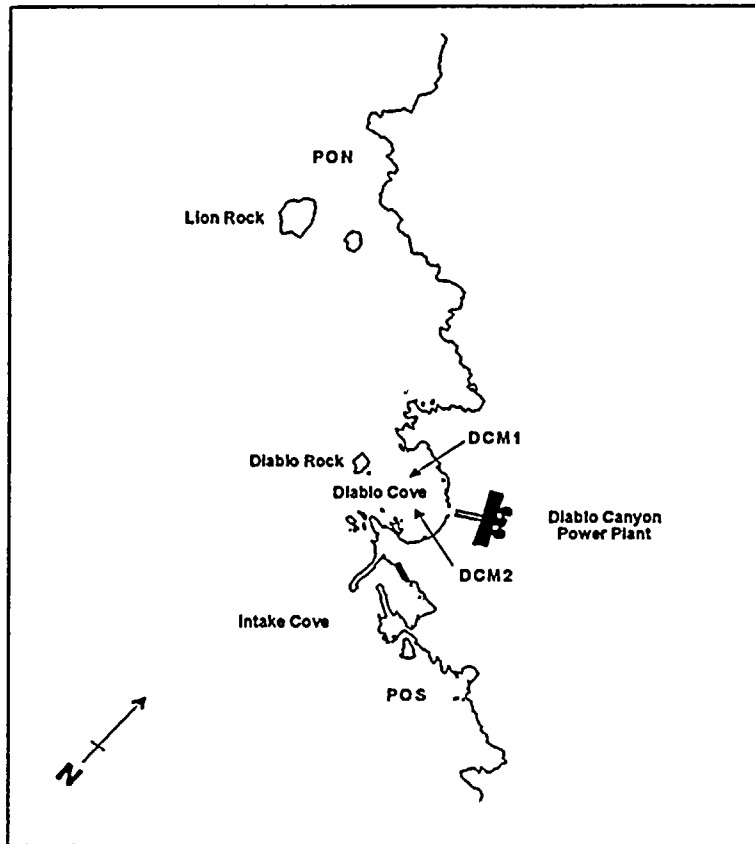
Ecological studies in the vicinity of Diablo Cove conducted during the first quarter, referred to as the Diablo Canyon Thermal Effects Monitoring Program (TEMP), are summarized in the following table.

<u>Subtask</u>	<u>Month Completed</u>
Intertidal Algal Scrapes	August
Intertidal Horizontal Bands	August
Intertidal Vertical Bands	July
Intertidal Black Abalone	July
Subtidal Benthic Stations	August

Subtidal Fish Observations	September
Subtidal Red Abalone Surveys	August
Temperature Monitoring	September

2. Annual Sediment Analysis

Sediment samples were collected on September 7, 1994, at four stations in the vicinity of Diablo Canyon Power Plant (Figure-1).



Locations of NPDES Sediment Sampling Locations
Figure 1

Sediment was collected from the top 5 centimeters of substrate. Samples were stored at 2-4 degrees Celsius and delivered to the analytical laboratory within 24 hours. Metal concentrations were determined using a weak acid leach on the fine-sieved fraction of the sample, as outlined in Monitoring and Reporting Program Order # 90-09. Sediment metals analysis results for 1994 are included in **Appendix 7**. Metal concentrations in Diablo Cove stations were similar to the concentrations found at control stations north and south of the plant.

Sediment grain size analysis results for 1994 are included in **Appendix 8**. The particle grain size analyses show that the percentage of fines (<0.1mm

particle size) was less than 10 percent in all samples. The percentage results ranged from a low of 2 percent to a high of 9 percent.

3. Stratified Water Temperature

Stratified water temperature measurements are conducted in February, June, and October. Results are reported in the first, second, and fourth quarter reports.

4. Dissolved Oxygen and pH of Receiving Waters

Dissolved oxygen and pH measurements are conducted in February, June, and October. Results are reported in the first, second, and fourth quarter reports.

5. In Situ Bioassay

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

C. Acti-Brom Treatment Program

DCPP is continuing the use of the proprietary chemical Acti-Brom to control the growth of macrofouling organisms in the main circulating water conduits. DCP Unit 2 concluded its sixth fuel cycle on September 24, 1994. Unit 2 has been operating since the beginning of May 1993, approximately 500 days. From May 1993 until December 1993, seawater conduit 2-1 was treated with Acti-Brom. During this time conduit 2-2 was not treated. In December 1993, the untreated 2-2 conduit had fouled to the point where manual cleaning of the conduit was necessary. Following the cleaning, Acti-Brom treatment was, as scheduled, switched from the 2-1 conduit to the recently cleaned 2-2 conduit. The now untreated 2-1 conduit remained in operation until it too required cleaning in March 1994. After being cleaned, the 2-1 conduit was returned to service and remained in operation without treatment through the remainder of the fuel cycle. Both conduits were cleaned at the end of September 1994 as part of the normally scheduled refueling outage maintenance activities.

Alternating Acti-Brom treatments between the 2-1 and 2-2 conduits during the latest fuel cycle resulted in a reduction in the number of required mid-cycle cleanings from two per conduit to one. The total amount of macrofouling debris removed from both conduits during the sixth fuel cycle (including the Unit 2 sixth refueling outage cleanings) was approximately 90 tons. In comparison, during the Unit 2 fifth fuel cycle (no Acti-Brom treatment), a combined total of 254 tons of macrofouling debris was cleaned from the Unit 2 conduits. A similar alternating treatment schedule is currently being used on the two Unit 1 conduits.

APPENDIX 1

DIABLO CANYON POWER PLANT

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

APPENDIX 2

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

July 1994

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/07/01		YEAR / MO / DAY ENDING 94/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (")	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY	
	*	*	*	*	*	*	*	*	
1	51.7	70.2	18.5	2561					
2	51.5	70.1	18.6	2565					
3	51.5	70.1	18.6	2567					
4	51.6	70.1	18.5	2566					
5	52.6	71.0	18.4	2559					
6	53.7	72.3	18.6	2566					
7	53.8	72.3	18.5	2559					
8	53.2	71.7	18.5	2566					
9	53.7	72.3	18.6	2559					
10	54.4	73.1	18.7	2564					
11	54.3	73.0	18.7	2559					
12	54.0	72.6	18.6	2537					
13	54.1	72.8	18.7	2485	8.0	8.0	7.7	2 8.0	
14	53.8	72.8	19.0	2559					
15	54.8	73.2	18.4	2564					
16	54.8	73.0	18.2	2561					
17	54.7	73.1	18.4	2559					
18	54.7	73.0	18.3	2559					
19	54.7	72.4	17.7	2559					
20	54.3	71.8	17.5	2561					
21	53.5	71.7	18.2	2561					
22	54.1	72.5	18.4	2563					
23	56.1	72.6	16.5	2563					
24	53.0	71.3	18.3	2559					
25	52.6	71.0	18.4	2561					
26	53.1	71.2	18.1	2561					
27	52.2	70.5	18.3	2572					
28	51.8	70.4	18.6	2565					
29	52.2	70.8	18.6	2566					
30	53.0	71.8	18.8	2559					
31	53.0	71.6	18.6	2564					
MONTHLY AVG	53.4	71.8	18.4	2559	8.0	8.0	7.7	8.0	
MONTHLY HIGH	56.1	73.2	19.0	2572	8.0	8.0	7.7	8.0	
MONTHLY LOW	51.5	70.1	16.5	2485	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 FORM DISCHARGES 0010, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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

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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 lb/day RECORDED MONTHLY	
1							14	47	
2							12	59	
3							12	51	
4							12	51	
5							14	39	
6							12	37	
7			9				14	39	
8		8.0					12	53	
9							12	52	
10							12	50	
11							14	44	
12							14	42	
13							14	41	
14			7				14	42	
15							13	35	
16							12	32	
17							12	41	
18							14	37	
19							14	43	
20							6	47	
21			14				14	44	
22							14	46	
23							12	51	
24							12	38	
25							14	39	
26			15				12	40	
27						3	14	42	
28	8.0						14	36	
29							14	33	
30							14	34	
31							12	34	
MONTHLY AVG	8.0	8.0	11	No Discharge	No Discharge	3	43	503	
MONTHLY HIGH	8.0	8.0	15			3	59	640	
MONTHLY LOW	8.0	8.0	7			3	32	226	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	1 MAX 200 = 0	NO LIMIT	
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0			
TIMES EXCEEDED									

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

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Heather Runney
DATE
10/20/94

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

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DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY ID. 3 402003001		YEAR / MO / DAY BEGINNING 94/07/01		YEAR / MO / DAY ENDING 94/07/31		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/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12			< 1	< 1	< 1				
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27						5	2	3	
28									
29									
30									
31									
MONTHLY AVG	No Discharge	No Discharge			< 1			3	
MONTHLY HIGH					< 1			3	
MONTHLY LOW					< 1			3	
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED	1 MAX >10K								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Runney	10/20/94

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FACILITY I.D.
3 402003001

YEAR / MO / DAY
BEGINNING 94/07/01

YEAR / MO / DAY
ENDING 94/07/31

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2									
3									
4									
5									
6									
7									
8	< 1	< 1	< 1						
9									
10									
11									
12									
13									
14				7	6	1			
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

MONTHLY AVG

< 1

1

MONTHLY HIGH

< 1

1

MONTHLY LOW

< 1

1

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

Heather Rummy

10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 0011 SUSPENDED SOLIDS			EFFLUENT 0013 SUSPENDED SOLIDS					
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
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25									
26									
27									
28									
29									
30									
31									

MONTHLY AVG
MONTHLY HIGH
MONTHLY LOW

No Discharge

No Discharge

TIMES EXCEEDED
TIMES EXCEEDED
TIMES EXCEEDED

NO LIMIT

NO LIMIT

MO AVG 30 = 0
MAX 100 = 0

NO LIMIT

NO LIMIT

MO AVG 30 = 0
MAX 100 = 0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLOS mg/l COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS				
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		
1									
2									
3									
4									
5									
6									
7				16					
8									
9									
10									
11									
12									
13									
14	6	2	4	16	20	20	< 1		
15									
16									
17									
18									
19									
20									
21				17					
22									
23									
24									
25									
26				25					
27									
28									
29									
30									
31									
MONTHLY AVG			4				< 1		
MONTHLY HIGH			4				< 1		
MONTHLY LOW			4				< 1		
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>Heather Runney</i>	6/22/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 8

FACILITY ID.
3 402003001

BEGINNING YEAR / MO / DAY
94/07/01

ENDING YEAR / MO / DAY
94/07/31

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS			
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1							
2							
3							
4							
5							
6	10	9	2	1			
7							
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22							
23							
24							
25							
26							
27							
28				44	27	17	
29							
30							
31							
MONTHLY AVG			1			17	
MONTHLY HIGH			1			17	
MONTHLY LOW			1			17	
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

Heather Runney

10/22/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/07/01		YEAR / MO / DAY ENDING 94/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR mg/l NET 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	
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3									
4									
5									
6									
7				< 0.1					
8									
9									
10									
11									
12									
13				< 0.1	2 < 5	2 < 3	2 < 3	2 3	
14									
15									
16									
17									
18									
19									
20									
21				< 0.1					
22									
23									
24									
25									
26				< 0.1					
27									
28									
29									
30									
31									
MONTHLY AVG	No Discharge			< 0.1	< 5	< 3	< 3	3	
MONTHLY HIGH				< 0.1	< 5	< 3	< 3	5	
MONTHLY LOW				< 0.1	< 5	< 3	< 3	<1	
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
Heather Ramsey
DATE
11/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY ID.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3402003001		94/07/01		94/07/31	06	CA0003751		
STATION ANALYSIS UNITS SMPLE 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				< 100	< 100			
7								
8								
9							< 3	
10								
11								
12						< 3		
13	< 5	< 3	< 3					
14								4
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24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	< 5	< 3	< 3	< 100	< 100	< 3	< 3	4
MONTHLY HIGH	< 5	< 3	< 3	< 100	< 100	< 3	< 3	4
MONTHLY LOW	< 5	< 3	< 3	< 100	< 100	< 3	< 3	4
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MEAN 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED					I MAX 30600 = 0			

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Runney

10/25/94

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 ID. 3 402003001		YEAR / MO / DAY BEGINNING 94/07/01		YEAR / MO / DAY ENDING 94/07/31		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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21									
22									
23									
24									
25									
26						< 3			
27									
28								< 3	
29									
30									
31									
MONTHLY AVG	No Discharge	No Discharge	No Discharge		4	< 3	< 3	< 3	
MONTHLY HIGH					4	< 3	< 3	< 3	
MONTHLY LOW					4	< 3	< 3	< 3	
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001
YEAR / MO / DAY BEGINNING 94/07/01
YEAR / MO / DAY ENDING 94/07/31
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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8	< 3						
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25							
26							
27							
28							
29			< 62	2 < 62	2 < 62	< 62	
30							
31							
MONTHLY AVG	< 3		< 62	< 62	< 62	< 62	
MONTHLY HIGH	< 3		< 62	< 62	< 62	< 62	
MONTHLY LOW	< 3		< 62	< 62	< 62	< 62	
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,
** No Mortalities

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Runney

10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	94/07/01	ENDING	94/07/31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
1								
2								
3								
4								
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23								
24								
25								
26								
27								
28								
29	< 15	2 40	2 < 15	< 15	41	2 209	2 35	24
30								
31								
MONTHLY AVG	< 15	40	< 15	< 15	41	209	35	24
MONTHLY HIGH	< 15	46	< 15	< 15	41	218	60	24
MONTHLY LOW	< 15	33	< 15	< 15	41	199	< 10	24
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D.
3 402003001

YEAR / MO / DAY
BEGINNING 94/07/01

YEAR / MO / DAY
ENDING 94/07/31

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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23								
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25								
26								
27								
28								
29	14	2	198	2 < 7	< 7	1.00	2 < 1.00	< 1.00
30								
31								
MONTHLY AVG	14	198	< 7	< 7	1.00	1.00	< 1.00	< 1.00
MONTHLY HIGH	14	318	< 7	< 7	1.00	1.00	< 1.00	< 1.00
MONTHLY LOW	14	78	< 7	< 7	1.00	1.00	< 1.00	< 1.00
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

Heather Runnsey

10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/07/01		YEAR / MO / DAY ENDING 94/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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29	< 19	2 140	2 <19	30	< 11	2 23	2 < 11	< 11	
30									
31									
MONTHLY AVG	< 19	140	< 19	30	< 11	23	< 11	< 11	
MONTHLY HIGH	< 19	140	< 19	30	< 11	23	< 11	< 11	
MONTHLY LOW	< 19	140	< 19	30	< 11	23	< 11	< 11	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/22/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001
BEGINNING YEAR / MO / DAY 94/07/01
ENDING YEAR / MO / DAY 94/07/31
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT		
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29	196	2	72	2	11	47
30						
31						
MONTHLY AVG	196	72	11	47		
MONTHLY HIGH	196	89	13	47		
MONTHLY LOW	196	55	9	47		
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
Heather Runnery
DATE
10/20/94

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/07/01		YEAR / MO / DAY ENDING 94/07/31		STATE CODE 06		NPDOS 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	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0				
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0				
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D. 3 402003001
YEAR / MO / DAY BEGINNING 94/07/01
YEAR / MO / DAY ENDING 94/07/31
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
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26						
27						
28						
29						
30						
31						

MONTHLY AVG No Discharge No Discharge No Discharge No Discharge No Discharge
MONTHLY HIGH
MONTHLY LOW

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
DATE
Heather Runsey 10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 1

FACILITY ID. 3 402003001		YEAR / MO / DAY BEGINNING 94/07/01		YEAR / MO / DAY ENDING 94/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13	** < 5	** < 5	** < 5	** < 1	** < 1	** < 5	** < 5	** 4	
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	< 5	< 5	< 5	< 1	< 1	< 5	< 5	4	
MONTHLY HIGH	< 5	< 5	< 5	< 1	< 1	< 5	< 5	4	
MONTHLY LOW	< 5	< 5	< 5	< 1	< 1	< 5	< 5	4	
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		

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** Annual samples taken as part of permit renewal process.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001		94/07/01		94/07/31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13	** < 0.50	** < 0.50	** < 10	** < 10	** < 5	** < 5	** 9	** 10
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	< 0.50	< 0.50	< 10	< 10	< 5	< 5	9	10
MONTHLY HIGH	< 0.50	< 0.50	< 10	< 10	< 5	< 5	9	10
MONTHLY LOW	< 0.50	< 0.50	< 10	< 10	< 5	< 5	9	10
TIMES EXCEEDED	No Effluent	6M - MEAN 0.2 = 0	No Limit	6M - MEAN 2.9 = 0	No Limit	6M - MEAN 30 = 0	No Limit	6M - MEAN 0.2 = 0
TIMES EXCEEDED		D MAX 0.8 = 0		D MAX 13.6 = 0		D MAX 100 = 0		D MAX 0.8 = 0
TIMES EXCEEDED		I MAX 2 = 0		I MAX 35 = 0		I MAX 260 = 0		I MAX 2 = 0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** Annual samples taken as part of permit renewal process.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Runney

10/22/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 3

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 94/07/01		YEAR / MO / DAY ENDING 94/07/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13	** < 10	** < 10						
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	< 10	< 10						
MONTHLY HIGH	< 10	< 10						
MONTHLY LOW	< 10	< 10						
TIMES EXCEEDED	No Limit	6M - MEAN10= 0	No Limit	No Limit	No Limit	MO AVG 15 - 0	MO AVG 15 - 0	
TIMES EXCEEDED		D MAX20= 0				D MAX 20 - 0	D MAX 20 - 0	
TIMES EXCEEDED		I MAX50= 0						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** Annual samples taken as part of permit renewal process.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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	BEGINNING YEAR / MO / DAY 94/07/01	ENDING YEAR / MO / DAY 94/07/31	STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13						** < 50	** < 50
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG						< 50	< 50
MONTHLY HIGH						< 50	< 50
MONTHLY LOW						< 50	< 50
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	D MAX 20 - 0	D MAX 20 - 0	D MAX 20 - 0	D MAX 20 - 0	D MAX 20 - 0		
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** Annual samples taken as part of permit renewal process.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	6/22/94

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 94/07/01

YEAR / MO / DAY
ENDING 94/07/31

STATE CODE
06

NPOES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	MOISTURE %	TOT KJDL N mg/kg	AMMONIA (N) mg/kg	NITRATE (N) mg/kg	EFFLUENT 001N SLUDGE		pH pH UNITS	OIL & GREASE mg/kg	BORON mg/kg
					TOT PHOSPHS mg/kg	GRAB OCTOBER			
1									
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24									
25									
26									
27									
28									
29									
30									
31									

MONTHLY AVG
MONTHLY HIGH
MONTHLY LOW

TIMES EXCEEDED
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

Heather Ramsey

10/20/94

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 ID. 3 402003001 BEGINNING YEAR / MO / DAY 94/07/01 ENDING YEAR / MO / DAY 94/07/31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE													
	CADMIUM mg/kg	COPPER mg/kg	CHROMIUM mg/kg	LEAD mg/kg	NICKEL mg/kg	MERCURY mg/kg	ZINC mg/kg	VOLUME TONS						
	GRAB OCTOBER													
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
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26														
27														
28														
29														
30														
31														
MONTHLY AVG														
MONTHLY HIGH														
MONTHLY LOW														
TIMES EXCEEDED														
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

Heather Runnery

10/20/94

PG&E	CHEMISTRY SAMPLE DATA TABULAR REPORT	DCPP
------	--------------------------------------	------

Unit: 0 NPDES
CHLORINATION/BROMINATION 1-2 CWP

From: 7/01/94 0:01
Through: 7/31/94 23:59

Parameter:	0000 Cl2 Peak	0400 Cl2 Peak	0800 Cl2 Peak	1200 Cl2 Peak	1600 Cl2 Peak	2000 Cl2 Peak		
High Limit:								
Low Limit:								
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		
7/01/94 0:01	55	48	35	55	60	60		
7/02/94 0:01	63	65	60	55	45	45		
7/03/94 0:01	60	63	50	43	41	44		
7/04/94 0:01	50	54	53	58	55	53		
7/05/94 0:01	58	55	53	50	38	38		
7/06/94 0:01	44	50	40		44	40		
7/07/94 0:01	41	46	46	43	50	48		
7/08/94 0:01	48	56	53	63	68	53		
7/09/94 0:01	53	60	55	55	55	49		
7/10/94 0:01	48	53	53	53	58	55		
7/11/94 0:01	50	50	50	53	50	53		
7/12/94 0:01	50	50	53	50	44	46		
7/13/94 0:01	45	48	50	46	43	46		
7/14/94 0:01	46	50	53	49	44	45		
7/15/94 0:01	48	49	48	45	<10	<10		
7/16/94 0:01	<10	<10	<10	43	44	43		
7/17/94 0:01	44	43	43	35	38	40		
7/18/94 0:01	38	35	40	35	43	45		
7/19/94 0:01	45	50	45	45	45	45		
7/20/94 0:01	45				48	44		
7/21/94 0:01	48	50	45	43	40	46		
7/22/94 0:01	45	45	45	50	50	50		
7/23/94 0:01	50	48	43	43	45	45		
7/24/94 0:01	45	48	28	30	33	33		
7/25/94 0:01	30	33	33	45	48	50		
7/26/94 0:01	45	44	43	43	43	44		

10/19/94 10:22	Requested by Heather Rumsey	Page: 1
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NOTE: Individual sample results for TRC are adjusted by one of the following formulas to account for dilution by the unchlorinated Circulating Water Pumps. It is assumed that no chlorine demand exists in the sea water:

1. Samples drawn at Discharge Structure =

$$(\text{ppb TRC}) \times ((\# \text{ of operating CWP's on chlorinated Unit})/(\# \text{ of operating CWP's for both Units}))$$

2. Samples drawn at Condenser Waterbox Inlet =

$$((\text{ppb TRC})/(\# \text{ of operating CWP's for both Units}))$$

The daily average TRC value reported on the Q2 form is the average of the adjusted TRC results for the day. Some values reported are lower than the 20 ppb instrument MDL as they are adjusted to account for the flowrates of the operating CWP's.

CWP's 1-2 and 2-2 are treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWP's 1-2 and 2-1 are treated using 30 minute injections. The limit for a 30 minute injection is 75 ppb TRC.

PG&E

CHEMISTRY SAMPLE DATA TABULAR REPORT

DCPP

Unit: 0 NPDES
CHLORINATION/BROMINATION 1-2 CWPFrom: 7/01/94 0:01
Through: 7/31/94 23:59

Parameter:	0000 Cl2 Peak	0400 Cl2 Peak	0800 Cl2 Peak	1200 Cl2 Peak	1600 Cl2 Peak	2000 Cl2 Peak		
High Limit:								
Low Limit:								
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		

7/27/94 0:01	44	44	46	45	50	45		
7/28/94 0:01	46	45	46	45	45	45		
7/29/94 0:01	45	45	45	29	33	36		
7/30/94 0:01	33	40	38	33	29	33		
7/31/94 0:01	34	40	39	34	33	34		

10/19/94 10:22

Requested by Heather Rumsey

Page: 2

Unit: 0 NPDES
CHLORINATION/BROMINATION CWP 2-2

From: 7/01/94 0:01
Through: 7/31/94 23:59

Parameter:	0100 PEAK Cl2	0500 PEAK Cl2	0900 PEAK Cl2	1300 PEAK Cl2	1700 PEAK Cl2	2100 PEAK Cl2	2100 PEAK Cl2	
High Limit:								
Low Limit:								
Sample Time:	PPB	PPB	PPB	PPB	PPB	PPB	PPB	
7/01/94 1:00	48	44	46	55	55	55	55	
7/02/94 1:00	75	63	65	63	50	60	60	
7/03/94 1:00	80	60	50	43	39	43	43	
7/04/94 1:00	65	55	43	43	41	38	38	
7/05/94 1:00	25	23	36	46	36	36	36	
7/06/94 1:00	44	44	38		41	40	40	
7/08/94 1:00	46	49	46	53	50	48	48	
7/09/94 1:00	45	58	50	50	50	45	45	
7/10/94 1:00	44	48	48	50	50	45	45	
7/11/94 1:00	50	50	50	50	46	48	48	
7/12/94 1:00	46	46	48	48	44	48	48	
7/13/94 1:00	44	49	50	48	44	46	46	
7/14/94 1:00	46	50	48	46	44	44	44	
7/15/94 1:00	46	48	46	38	31	38	38	
7/16/94 1:00	31	31	50	40	43	40	40	
7/17/94 1:00	40	43	48	40	43	38	38	
7/18/94 1:00	43	45	40	43	45	45	45	
7/19/94 1:00	54	56	56	45	45	45	45	
7/20/94 1:00	45				50	50	50	
7/21/94 1:00	56	60	56	45	58	50	50	
7/22/94 1:00	50	50	60	63	60	53	53	
7/23/94 1:00	55	63	60	53	55	50	50	
7/24/94 1:00	53	40	38	35	38	38	38	
7/25/94 1:00	35	40	55	53	50	50	50	
7/26/94 1:00	48	48	48	46				
7/27/94 1:00	46	46	50	50	50	48	48	

Unit: 0 HPDES
CHLORINATION/BROMINATION CWP 2-2From: 7/01/94 0:01
Through: 7/31/94 23:59

Parameter:	0100 PEAK Cl2	0500 PEAK Cl2	0900 PEAK Cl2	1300 PEAK Cl2	1700 PEAK Cl2	2100 PEAK Cl2	2100 PEAK Cl2	
High Limit:								
Low Limit:								
Sample Time:	PPB	PPB	PPB	PPB	PPB	PPB	PPB	
7/28/94 1:00	46	48	49	<10	<10	49	49	
7/29/94 1:00	49	49	48	<10	<10	38	38	
7/30/94 1:00	34	38	38	36	33	30	30	
7/31/94 1:00	33	33	34	33	30	30	30	

Unit: 0 NPDES
001 EFFLUENT CHLORINATION

From: 7/01/94 0:01
Through: 7/31/94 23:59

Parameter:	CWP 1-1 Peak Cl2	CWP 2-1 Peak Cl2					
High Limit:							
Low Limit:		0					
Sample Time:	ppb	ppb					

7/01/94 10:00	<10	<10
7/05/94 10:00	<10	<10
7/06/94 10:00	<10	<10
7/07/94 10:00	<10	<10
7/11/94 10:00	<10	<10
7/12/94 10:00	<10	<10
7/13/94 10:00	<10	<10
7/14/94 10:00	<10	<10
7/15/94 10:00	<10	<10
7/18/94 10:00	<10	<10
7/19/94 10:00	<10	<10
7/21/94 10:00	<10	<10
7/22/94 10:00	<10	<10
7/25/94 10:00	<10	<10
7/26/94 10:00	<10	16
7/27/94 10:00	<10	<10
7/28/94 10:00	<10	25
7/29/94 10:00	<3	25

SANITARY WASTEWATER TREATMENT

CONTRACT #Z78-2104-86

REV 5/93

ECO Resources, Inc. 39899 Balentine Drive Suite 200 Newark, CA 94560	Pacific Gas & Electric Company Contacts: Joseph Higgins (805) 545-4103 John Knemeyer (805) 545-4472
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PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULT
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil & Grease	mg/l	Weekly	15	20	7-7 *	10:31 AM	9 mg/l
2. "	"	"	"	"	7-14	10:41 AM	7 mg/l
3. "	"	"	"	"	7-21 *	11:23 AM	13.5 mg/l
4. "	"	"	"	"	7-26	11:30 AM	14.7 mg/l
5. "	"	"	"	"			
1. Suspended Solids	mg/l	Weekly	60	N/A	7-7	10:13 AM	16 mg/l
2. "	"	"	"	"	7-14	10:19 AM	16 mg/l
3. "	"	"	"	"	7-21	10:57 AM	17 mg/l
4. "	"	"	"	"	7-26	11:04 AM	25 mg/l
5. "	"	"	"	"			
1. Settleable Solids	ml/l	Weekly	1.0	3.0	7-7	10:19 AM	<0.1 ml/l
2. "	"	"	"	"	7-14	10:31 AM	<0.1 ml/l
3. "	"	"	"	"	7-21	11:03 AM	<0.1 ml/l
4. "	"	"	"	"	7-26	11:10 AM	<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 & 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 contract laboratory.

COMMENTS: July 7th, 1994 #1 O+G sample broke in Camarillo. Notify John Knemeyer. July 21st #2 O+G sample contaminated in Camarillo. By left message with John Knemeyer 8-3-94.

SLUDGE DISPOSAL DATA

MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
July 94		1342 lbs.	Santa Maria WWTP

Michael J. Beecher
ID-916 824 5769

8-4-94

APPENDIX 3
DIABLO CANYON POWER PLANT.

Influent and Effluent Monitoring

August 1994

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 ID.
3 402003001

YEAR / MO / DAY
BEGINNING 94/08/01

YEAR / MO / DAY
ENDING 94/08/31

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	52.6	71.1	18.5	2566				
2	52.2	70.9	18.7	2563	8.0	8.0		
3	51.9	70.5	18.6	2564				
4	51.3	70.2	18.9	2564				
5	51.5	70.5	19.0	2559				
6	53.2	71.6	18.4	2566				
7	52.9	71.4	18.5	2497				
8	52.6	71.0	18.4	2559				
9	52.6	71.2	18.6	2565				
10	52.4	70.9	18.6	2552				
11	53.0	71.6	18.6	2561				
12	53.6	72.7	19.1	2562				
13	54.9	73.9	19.0	2564				
14	55.0	74.3	19.3	2557				
15	53.7	73.0	19.3	2566				
16	55.3	74.4	19.1	2566				
17	57.8	76.8	19.0	2559				2 7.9
18	57.4	76.0	18.6	2560				
19	56.6	75.4	18.8	2564				
20	56.5	75.1	18.6	2564				
21	58.4	76.9	18.6	2564				
22	59.2	77.9	18.8	2559				
23	56.5	76.6	20.1	2561				
24	55.4	75.2	19.8	2559				
25	54.4	73.7	19.3	2564			7.8	
26	54.9	74.4	19.5	2562				
27	55.2	74.5	19.3	2559				
28	54.3	73.6	19.3	2564				
29	52.8	72.0	19.2	2564				
30	52.6	71.8	19.2	2559				
31	53.2	72.4	19.2	2564				
MONTHLY AVG	54.3	73.2	18.9	2560	8.0	8.0	7.8	7.9
MONTHLY HIGH	59.2	77.9	20.1	2566	8.0	8.0	7.8	7.9
MONTHLY LOW	51.3	70.2	18.4	2497.0	8.0	8.0	7.8	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 DEMUSSELLING.
(***) DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FORM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D.
3 402003001

BEGINNING YEAR / MO / DAY
94/08/01

ENDING YEAR / MO / DAY
94/08/31

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 T CHLOR RES ug/l GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY	
	*	*	*	*	*	*	*	*	
1							14	38	509
2							14	32	640
3							14	39	640
4			< 5				14	38	640
5							14	39	640
6							12	42	460
7							12	44	460
8							13	37	602
9							11	34	526
10			< 5				14	41	640
11							14	42	640
12							14	43	650
13							12	43	490
14							12	40	490
15			< 5				13	38	580
16							8	36	326
17							6	46	244
18							2	46	82
19							13	39	670
20							14	34	670
21							10	32	506
22							14	36	670
23							14	37	680
24			7				14	39	728
25							14	50	698
26	8.0	8.0				4	14	54	728
27							14	55	728
28							14	43	728
29							14	44	728
30							14	55	684
31							14	62	650
MONTHLY AVG	8.0	8.0	6	No Discharge	No Discharge	4	42	585	
MONTHLY HIGH	8.0	8.0	7			4	62	728	
MONTHLY LOW	8.0	8.0	< 5			4	32	82	

TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	1 MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runney</i>	10/20/94

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

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FACILITY ID.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001		94/08/01		94/08/31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/l 1st FLTR 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						
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					8	2
27						
28						
29						
30						
31			2	< 1	2	6
MONTHLY AVG	No Discharge	No Discharge		2		6
MONTHLY HIGH				2		6
MONTHLY LOW				2		6
TIMES EXCEEDED	80% SMPLS > 1K	MEAN > 200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT
TIMES EXCEEDED		90 % SMPLS > 400			D MAX 100 = 0	
TIMES EXCEEDED	1 MAX > 10K					D MAX 100 = 0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Runsey

10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/08/01		YEAR / MO / DAY ENDING 94/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
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									
3									
4					6		3		3
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26	< 1	< 1	< 1						
27									
28									
29									
30									
31									
MONTHLY AVG			< 1				3		
MONTHLY HIGH			< 1				3		
MONTHLY LOW			< 1				3		
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
Heather Runney	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D.
3 402003001

BEGINNING YEAR / MO / DAY
94/08/01

ENDING YEAR / MO / DAY
94/08/31

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET			
		GRAB MONTHLY			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

No Discharge

No Discharge

TIMES EXCEEDED
TIMES EXCEEDED
TIMES EXCEEDED

NO LIMIT

NO LIMIT

MO AVG 30 = 0
MAX 100 = 0

NO LIMIT

NO LIMIT

MO AVG 30 = 0
MAX 100 = 0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Ramsey

10/20/94

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.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001		94/08/01		94/08/31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	mg/l 1st FLTR	EFFLUENT 001K SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	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						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31				< 1	< 1	< 1
MONTHLY AVG		No Discharge				< 1
MONTHLY HIGH						< 1
MONTHLY LOW						< 1
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>Heather Ramsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3 402003001
BEGINNING YEAR / MO / DAY 94/08/01
ENDING YEAR / MO / DAY 94/08/31
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	mg/l 1st FLTR	EFFLUENT 001M SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	EFFLUENT 001N SUSPENDED SOLIDS mg/l COMPOSITE WEEKLY	mg/l 1st FLTR	EFFLUENT 001P SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1								
2								
3								
4				20				
5								
6								
7								
8								
9								
10				26				
11								
12								
13								
14								
15								
16				50				
17								
18								
19								
20								
21								
22								
23								
24				10				
25					20	19	1	
26								
27								
28								
29								
30								
31								
MONTHLY AVG	No Discharge						1	
MONTHLY HIGH							1	
MONTHLY LOW							1	
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

Deborah Ramsey

10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D.
3 402003001

YEAR / MO / DAY
BEGINNING 94/08/01

YEAR / MO / DAY
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STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS		
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17	20	14	6			
18						
19						
20						
21						
22						
23						
24						
25						
26				36	31	5
27						
28						
29						
30						
31						
MONTHLY AVG			6	5		
MONTHLY HIGH			6	5		
MONTHLY LOW			6	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>Heather Runsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D.	YEAR / MO / DAY BEGINNING	YEAR / MO / DAY ENDING	STATE CODE	NPDES PERMIT #				
3 402003001	94/08/01	94/08/31	06	CA0003751				
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB WEEKLY WHEN 901H & 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			< 5	< 3	< 3	< 1		
3								
4		< 0.1						
5								
6								
7								
8								
9								
10		< 0.1						
11								
12								
13								
14								
15								
16		< 0.1						
17								
18								
19								
20								
21								
22								
23								
24		< 0.1						
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	No Discharge	< 0.1	< 5	< 3	< 3	< 1		
MONTHLY HIGH		< 0.1	< 5	< 3	< 3	< 1		
MONTHLY LOW		< 0.1	< 5	< 3	< 3	< 1		
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>Heather Runsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/08/01		YEAR / MO / DAY ENDING 94/08/31		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	< 5	< 3	< 3	1	< 41				
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	< 5	< 3	< 3	1	< 41				
MONTHLY HIGH	< 5	< 3	< 3	1	< 41				
MONTHLY LOW	< 5	< 3	< 3	1	< 41				
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MEAN 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED					I MAX 30600 = 0				

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** Influent samples taken for comparison to effluent . Other quarterly samples performed in September.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Heather Runney
DATE
10/20/94

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D. 3 402003001	BEGINNING YEAR / MO / DAY 94/08/01	ENDING YEAR / MO / DAY 94/08/31	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
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				< **3				
MONTHLY AVG	No Discharge	No Discharge	No Discharge	< 3	No Discharge			
MONTHLY HIGH				< 3				
MONTHLY LOW				< 3				
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** Other quarterly analysis performed in September.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Rumsey

10/22/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 3

FACILITY I.D. 3 402003001 BEGINNING YEAR / MO / DAY 94/08/01 ENDING YEAR / MO / DAY 94/08/31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Ramsey

10/27/94

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY ID. 3 402003001	BEGINNING YEAR / MO / DAY 94/08/01	ENDING YEAR / MO / DAY 94/08/31	STATE CODE 06	NPDES PERMIT # CA0003751				
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/20/94

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

PACIFIC GAS AND ELECTRIC CO.
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FACILITY ID.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001	94/08/01		94/08/31	06	CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
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REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Runsey	10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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81 HIGUERA
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
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FACILITY ID. 3 402003001	BEGINNING YEAR / MO / DAY 94/08/01	ENDING YEAR / MO / DAY 94/08/31	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								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Runney

10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
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FACILITY I.D.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001		94/08/01		94/08/31	06	CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT		
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REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001		94/08/01		94/08/31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
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TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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81 HIGUERA
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/08/01		YEAR / MO / DAY ENDING 94/08/31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG				
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REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
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AVILA BEACH, CALIF 93424

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FACILITY I.D.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
'3 402003001	94/08/01		94/08/31	06	CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
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TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY, (**) INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.
ALL OTHER ANNUAL ANALYSIS WILL BE PERFORMED IN OCTOBER

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Katherine Ramsey</i>	10/20/94

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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DISCHARGE SELF MONITORING REPORT

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FACILITY ID.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001		94/08/01		94/08/31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
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REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** WHEN 001N IS DISCHARGING TO 001P.
*** WHEN 001P IS DISCHARGING TO 003.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runney</i>	10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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FACILITY ID. 3 402003001	BEGINNING YEAR / MO / DAY 94/08/01	ENDING YEAR / MO / DAY 94/08/31	STATE CODE 06	NPDES PERMIT # CA0003751				
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER	
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REMARKS:
* NUMBER OF SAMPLES TAKEN DURING THE DAY.
** WHEN 001N IS DISCHARGING TO 001P.
*** WHEN 001P IS DISCHARGING TO 003.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING 94/08/01		ENDING 94/08/31		06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER		
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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

Heather Runney

10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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FACILITY I.D. 3 402003001
YEAR / MO / DAY BEGINNING 94/08/01
YEAR / MO / DAY ENDING 94/08/31
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE													
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MONTHLY AVG
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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

Heather Runnely

10/20/94

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001		94/08/01		94/08/31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	CADMIUM mg/kg	COPPER mg/kg	CHROMIUM mg/kg	EFFLUENT 001N SLUDGE LEAD mg/kg	NICKEL mg/kg	MERCURY mg/kg	ZINC mg/kg	VOLUME TONS
				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								
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
<i>Heather Ramsey</i>	10/20/94

Unit: 0 NPDES
CHLORINATION/BROMINATION 1-2 CWPFrom: 8/01/94 0:01
Through: 8/31/94 23:59

Parameter:	0000 Cl2 Peak	0400 Cl2 Peak	0800 Cl2 Peak	1200 Cl2 Peak	1600 Cl2 Peak	2000 Cl2 Peak		
High Limit:								
Low Limit:								
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		
8/01/94 0:01	34	38	41	53	48	45		
8/02/94 0:01	48	46	46	46	44	45		
8/03/94 0:01	45	46	44	44	44	43		
8/04/94 0:01	44	45	39	43	40	40		
8/05/94 0:01	43	43	43	43	43	40		
8/06/94 0:01	43	43	38	35	40	38		
8/07/94 0:01	38	40	38	33	35	35		
8/08/94 0:01	35	35	35	29	28			
8/09/94 0:01	13			45	45	40		
8/10/94 0:01	40	43	45	44	44	46		
8/11/94 0:01	41	44	46	46	45	45		
8/12/94 0:01	45	45	44	38	45	45		
8/13/94 0:01	48	44	45	36	40	44		
8/14/94 0:01	48	45	44	33	35	38		
8/15/94 0:01	45	43	38	40	40	40		
8/16/94 0:01	36	13			54	54		
8/17/94 0:01	54	51	48					
8/18/94 0:01						50		
8/19/94 0:01	50	49	45	45	38	40		
8/20/94 0:01	43	43	40	40	43	40		
8/21/94 0:01	40	43	43			40		
8/22/94 0:01	43	40	43	45	43	43		
8/23/94 0:01	40	40	39	38	39	39		
8/24/94 0:01	38	36	36	44	50	53		
8/25/94 0:01	54	55	58	55	55	59		
8/26/94 0:01	60	52	52	69	65	70		

10/19/94 9:04

Requested by Heather Rumsey

Page: 1

NOTE: Individual sample results for TRC are adjusted by one of the following formulas to account for dilution by the unchlorinated Circulating Water Pumps. It is assumed that no chlorine demand exists in the sea water:

1. Samples drawn at Discharge Structure =

$$(\text{ppb TRC}) \times ((\# \text{ of operating CWPs on chlorinated Unit}) / (\# \text{ of operating CWPs for both Units}))$$

2. Samples drawn at Condenser Waterbox Inlet =

$$((\text{ppb TRC}) / (\# \text{ of operating CWPs for both Units}))$$

The daily average TRC value reported on the Q2 form is the average of the adjusted TRC results for the day. Some values reported are lower than the 20 ppb instrument MDL as they are adjusted to account for the flowrates of the operating CWPs.

CWPs 1-2 and 2-2 are treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWPs 1-2 and 2-1 are treated using 30 minute injections. The limit for a 30 minute injection is 75 ppb TRC.

Unit: 0 NPDES
CHLORINATION/BROMINATION 1-2 CWP

From: 8/01/94 0:01
Through: 8/31/94 23:59

Parameter:	0000 Cl2 Peak	0400 Cl2 Peak	0800 Cl2 Peak	1200 Cl2 Peak	1600 Cl2 Peak	2000 Cl2 Peak		
High Limit:								
Low Limit:								
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		
8/27/94 0:01	69	69	66	65	65	69		
8/28/94 0:01	69	58	58	19	19	22		
8/29/94 0:01	22	23	23	75	73	73		
8/30/94 0:01	75	75	75	75	75	75		
8/31/94 0:01	75	75	75	73	69	73		

PG&E

CHEMISTRY SAMPLE DATA TABULAR REPORT

DCPP

Unit: 0 HPDES
CHLORINATION/BROMINATION CWP 2-2From: 8/01/94 0:01
Through: 8/31/94 23:59

Parameter:	0100 PEAK Cl2	0500 PEAK Cl2	0900 PEAK Cl2	1300 PEAK Cl2	1700 PEAK Cl2	2100 PEAK Cl2		
High Limit:								
Low Limit:								
Sample Time:	PPB	PPB	PPB	PPB	PPB	PPB		
8/01/94 1:00	33	40	33	50	46	46		
8/02/94 1:00	48	46	46	<10	<10	43		
8/03/94 1:00	46	44	43	43	43	44		
8/04/94 1:00	44	44	38	45	44	44		
8/05/94 1:00	45	45	45	48	48	45		
8/06/94 1:00	48	48	40	45	48	43		
8/07/94 1:00	48	45	45	55	55	55		
8/08/94 1:00	55	55	50	50	45	38		
8/09/94 1:00	7		50	50	49	48		
8/10/94 1:00	48	50	49	49	50	49		
8/11/94 1:00	48	50	49	49	49	49		
8/12/94 1:00	49	49	48	44	46	48		
8/13/94 1:00	48	45	44	40	43	44		
8/14/94 1:00	44	43	40	33	38	43		
8/15/94 1:00	43	40	40	40	40	40		
8/16/94 1:00	30	12			45	45		
8/17/94 1:00	45	39	38					
8/18/94 1:00						43		
8/19/94 1:00	38	38	35	35	28	30		
8/20/94 1:00	33	33	33	30	33	33		
8/21/94 1:00	33	35	33			33		
8/22/94 1:00	30	33	31	38	44	44		
8/23/94 1:00	43	44	43	41	44	43		
8/24/94 1:00	43	40	39	38	50	53		
8/25/94 1:00	56	56	59	56	56	56		
8/26/94 1:00	55	55	69	63	60	59		

10/19/94 9:05

Requested by Heather Rumsey

Page: 1

PG&E

CHEMISTRY SAMPLE DATA TABULAR REPORT

DCPP

Unit: 0 NPDES
CHLORINATION/BROMINATION CWP 2-2From: 8/01/94 0:01
Through: 8/31/94 23:59

Parameter:	0100 PEAK Cl2	0500 PEAK Cl2	0900 PEAK Cl2	1300 PEAK Cl2	1700 PEAK Cl2	2100 PEAK Cl2		
High Limit:								
Low Limit:								
Sample Time:	PPB	PPB	PPB	PPB	PPB	PPB		
8/27/94 1:00	60	61	58	53	53	56		
8/28/94 1:00	56	55	53	59	56	60		
8/29/94 1:00	59	59	55	50	48	50		
8/30/94 1:00	50	50	50	50	50	50		
8/31/94 1:00	50	50	48	89	81	85		

10/19/94 9:05

Requested by Heather Rumsey

Page: 2

Unit: 0 NPDES
001 EFFLUENT CHLORINATIONFrom: 8/01/94 0:01
Through: 8/31/94 23:59

Parameter:	CWP 1-1 Peak Cl2	CWP 2-1 Peak Cl2						
High Limit:								
Low Limit:								
Sample Time:	ppb	ppb	0					

8/01/94 10:00	<10	15
8/02/94 10:00	<10	10
8/03/94 10:00	<10	<10
8/04/94 10:00	<10	<10
8/05/94 10:00	<10	<10
8/08/94 10:00	<10	<10
8/09/94 10:00	13	<10
8/10/94 10:00	<10	<10
8/11/94 10:00	<10	<10
8/12/94 10:00	<10	<10
8/15/94 10:00	<10	
8/19/94 10:00		<10
8/20/94 10:00	16	<10
8/21/94 10:00	<10	<10
8/22/94 10:00	<10	<10
8/23/94 10:00	<10	<10
8/24/94 10:00	<10	<10
8/25/94 10:00	<10	<10
8/26/94 10:00	<10	<10
8/27/94 10:00	<10	<10
8/28/94 10:00	<10	<10
8/29/94 10:00	<10	<10
8/30/94 10:00	<10	<10
8/31/94 11:00	<10	<10

10/19/94 9:06

Requested by Heather Rumsey

Page: 1

**PACIFIC GAS & ELECTRIC - DIABLO CANYON POWER PLANT
SANITARY WASTEWATER TREATMENT SYSTEM
CONTRACT #Z78-2104-86**

REV 5/93

ECO Resources, Inc. 39899 Balentine Drive Suite 200 Newark, CA 94560	Pacific Gas & Electric Company Contacts: Joseph Higgins (805) 545-4103 John Knemeyer (805) 545-4472
--	--

PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULT
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	Avg. OF
1. Oil & Grease	mg/l	Weekly	15	20	8-4-94	12:21PM	<5mg/L
2. "	"	"	"	"	8-10-94	12:48PM	<5mg/L
3. "	"	"	"	"	8-16-94	11:04AM	<5mg/L
4. "	"	"	"	"	8-24-94	11:35AM	6.7mg/L
5. "	"	"	"	"			
1. Suspended Solids	mg/l	Weekly	60	N/A	8-4-94	12:00PM	20 mg/L
2. "	"	"	"	"	8-10-94	12:06PM	26 mg/L
3. "	"	"	"	"	8-16-94	10:41AM	50 mg/L
4. "	"	"	"	"	8-24-94	11:12AM	10 mg/L
5. "	"	"	"	"			
1. Settleable Solids	ml/l	Weekly	1.0	3.0	8-4-94	12:10PM	<0.1ml/L
2. "	"	"	"	"	8-10-94	12:12PM	<0.1ml/L
3. "	"	"	"	"	8-16-94	10:48AM	<0.1ml/L
4. "	"	"	"	"	8-24-94	11:21AM	<0.1ml/L
5. "	"	"	"	"			

NOTES:

1. Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact listed above.
2. Oil & 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 contract laboratory.

COMMENTS:

SLUDGE DISPOSAL DATA

MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
AUGUST		1210 lbs.	Santa Maria WWTP

Data sheet completed by:

Michael J. Beebe
Sam Wyome

Date:

Sept 7 1994
Sept. 6, 1994

APPENDIX 4

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

September 1994

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 1

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/09/01		YEAR / MO / DAY ENDING 94/09/30		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	54.5	73.4	18.9	2561					
2	54.8	74.0	19.2	2564					
3	53.3	72.8	19.5	2563					
4	54.0	73.1	19.2	2559					
5	55.2	74.5	19.3	2559					
6	54.9	74.2	19.3	2561	8.0	8.0			
7	54.7	74.0	19.3	2562					
8	55.3	73.6	18.3	2563					
9	54.2	73.5	19.3	2559					
10	53.7	72.9	19.2	2559					
11	54.0	73.2	19.2	2564					
12	54.7	73.7	19.0	2564					
13	55.4	74.5	19.1	2566					
14	54.3	73.7	19.4	2564			7.7		
15	54.7	73.9	19.2	2559				2 8.0	
16	55.7	75.1	19.4	2563					
17	56.1	76.1	20.1	2559					
18	56.7	76.2	19.5	2561					
19	56.8	76.4	19.6	2561					
20	57.9	77.4	19.5	2563					
21	58.1	77.6	19.5	2564					
22	58.1	77.7	19.7	2564					
23	58.3	76.9	18.6	2564					
24	58.2	71.1	12.9	2569					
25	58.3	77.5	19.2	1313					
26	57.6	76.9	19.3	1299					
27	57.4	76.7	19.3	1297					
28	56.7	76.2	19.5	1295					
29	56.6	76.1	19.5	1298					
30	55.3	74.8	19.5	1295					
31									
MONTHLY AVG	55.8	74.9	19.1	2310	8.0	8.0	7.7	8.0	
MONTHLY HIGH	58.3	77.7	20.1	2569	8.0	8.0	7.7	8.0	
MONTHLY LOW	53.3	71.1	12.9	1295	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 FORM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runney</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 2

FACILITY ID.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPOES PERMIT #	
3 402003001	BEGINNING	94/09/01	ENDING	94/09/30	06	06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1			< 5				13 66	552
2							14 61	612
3							14 65	612
4							12 52	540
5							13 50	576
6							14 49	612
7							14 51	612
8			7				14 47	612
9							14 47	612
10							12 59	432
11							12 56	432
12							11 41	504
13			6				6 47	246
14	8.0	8.0				4	6 48	216
15							9 37	486
16							8 46	396
17							9 32	486
18							9 29	486
19			< 5				9 26	486
20							8 29	396
21							9 34	514
22							9 32	514
23							7 40	340
24							6 54	259
25							6 37	259
26							7 < 20	349
27							7 < 20	335
28							7 < 20	277
29			< 5				7 < 20	277
30							7 < 20	277
31								
MONTHLY AVG	8.0	8.0	6	No Discharge	No Discharge	4	41	444
MONTHLY HIGH	8.0	8.0	7			4	66	612
MONTHLY LOW	8.00	8.00	< 5			4	< 20	216
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 001O IS DISCHARGING TO 003.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/20/94

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 94/09/01		YEAR / MO / DAY ENDING 94/09/30		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/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET			EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET			
1									
2									
3									
4									
5									
6			19	<	1	19			
7									
8									
9									
10									
11									
12									
13									
14						15	12	3	
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	No Discharge	No Discharge				19		3	
MONTHLY HIGH						19		3	
MONTHLY LOW						19		3	
TIMES EXCEEDED	80% SMPLS > 1K	MEAN > 200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED		90 % SMPLS > 400			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED	1 MAX > 10K								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 4

FACILITY I.D. 3 402003001
BEGINNING YEAR / MO / DAY 94/09/01
ENDING YEAR / MO / DAY 94/09/30
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2				9	6	3			
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14	< 1	< 1	< 1						
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									

MONTHLY AVG < 1 3
MONTHLY HIGH < 1 3
MONTHLY LOW < 1 3

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

Heather Runsey

10/21/94

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 ID. 3 402003001		YEAR / MO / DAY BEGINNING 94/09/01		YEAR / MO / DAY ENDING 94/09/30		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	mg/l 1st FLTR	EFFLUENT 001I SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	EFFLUENT 001J SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET			
1									
2				1	< 1	1			
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				1			
MONTHLY HIGH						1			
MONTHLY LOW						1			
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
Heather Runsey	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 6

FACILITY ID.
3 402003001

BEGINNING YEAR / MO / DAY
94/09/01

ENDING YEAR / MO / DAY
94/09/30

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS			
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13				< 1	< 1	2 < 1	
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							

MONTHLY AVG
MONTHLY HIGH
MONTHLY LOW

No Discharge

< 1
< 1
< 1

TIMES EXCEEDED
TIMES EXCEEDED
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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Runsey

10/21/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 7

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/09/01		YEAR / MO / DAY ENDING 94/09/30		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	mg/l 1st FLTR	EFFLUENT 001M SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	EFFLUENT 001N SUSPENDED SOLDS mg/l COMPOSITE WEEKLY	mg/l 1st FLTR	EFFLUENT 001P SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		
1				20					
2									
3									
4									
5									
6									
7									
8				33					
9									
10									
11									
12									
13				48					
14					15	12	3		
15									
16									
17									
18									
19				28					
20									
21									
22									
23	5	< 1	5						
24									
25									
26									
27									
28									
29				42					
30									
31									
MONTHLY AVG			5	34				3	
MONTHLY HIGH			5	48				3	
MONTHLY LOW			5	20				3	
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
Heather Runsey	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 8

FACILITY ID.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001		94/09/01		94/09/30	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	mg/1 1st FLTR	EFFLUENT 002 SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	EFFLUENT 003 SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14				4	3	1
15	8	8	2 < 1			
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG			< 1			1
MONTHLY HIGH			< 1			1
MONTHLY LOW			< 1			1
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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 9

FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 94/09/01		YEAR / MO / DAY ENDING 94/09/30		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY	
1				< 0.1					
2									
3									
4									
5									
6					14	< 3	4	< 1	
7									
8				< 0.1					
9									
10									
11									
12				< 0.1					
13									
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15									
16									
17									
18									
19				< 0.1					
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22									
23									
24									
25									
26									
27									
28									
29				< 0.1					
30									
31									
MONTHLY AVG	No Discharge			< 0.1	14	< 3	4	< 1	
MONTHLY HIGH				< 0.1	14	< 3	4	< 1	
MONTHLY LOW				< 0.1	14	< 3	4	< 1	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MEAN 10 = 1	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>Heather Runsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 1

FACILITY I.D. 3 402003001	BEGINNING YEAR / MO / DAY 94/09/01	ENDING YEAR / MO / DAY 94/09/30	STATE CODE 06	NPDES PERMIT # CA0003751				
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
1								
2								
3								
4								
5	< 5	< 3	< 3					
6								
7								
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19								
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21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	< 5	< 3	< 3					
MONTHLY HIGH	< 5	< 3	< 3					
MONTHLY LOW	< 5	< 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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 2

FACILITY I.D. 3402003001	BEGINNING YEAR / MO / DAY 94/09/01	ENDING YEAR / MO / DAY 94/09/30	STATE CODE 06	NPDES PERMIT # CA0003751				
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
1								
2		** < 3						
3								
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20								
21								
22								
23					** < 3			
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	No Discharge	< 3	No Discharge	< 3				
MONTHLY HIGH		< 3		< 3				
MONTHLY LOW		< 3		< 3				
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
(**) Other quarterly analysis performed in July.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 2

FACILITY I.D. 3 402003001	BEGINNING YEAR / MO / DAY 94/09/01	ENDING YEAR / MO / DAY 94/09/30	STATE CODE 06	NPDES PERMIT # CA0003751				
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
1								
2		** < 3						
3								
4								
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9								
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19								
20								
21								
22								
23					** < 3			
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG		< 3			< 3			
MONTHLY HIGH		< 3			< 3			
MONTHLY LOW		< 3			< 3			
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
(**) Other quarterly analysis performed in July.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

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 ID. 3 402003001	BEGINNING YEAR / MO / DAY 94/09/01	ENDING YEAR / MO / DAY 94/09/30	STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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27							
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29							
30							
31							
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

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001	94/09/01		94/09/30		06	CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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3								
4								
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31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	12/20/94

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.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001		94/09/01		94/09/30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 6

FACILITY I.D. 3 402003001	BEGINNING YEAR / MO / DAY 94/09/01	ENDING YEAR / MO / DAY 94/09/30	STATE CODE 06	NPDES PERMIT # CA0003751				
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT NO LIMIT								
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Ramsey</i>	10/20/94

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 ID. 3 402003001
BEGINNING YEAR / MO / DAY 94/09/01
ENDING YEAR / MO / DAY 94/09/30
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT	
1					
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31					

MONTHLY AVG
MONTHLY HIGH
MONTHLY LOW

TIMES EXCEEDED NO LIMIT NO LIMIT NO LIMIT NO LIMIT
TIMES EXCEEDED
TIMES EXCEEDED

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Weather Rumsey	10/20/94

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 ID.
3 402003001

BEGINNING YEAR / MO / DAY
94/09/01

ENDING YEAR / MO / DAY
94/09/30

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
1						
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31						

MONTHLY AVG
MONTHLY HIGH
MONTHLY LOW

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT

DATE

Heather Rumsey

10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 9

FACILITY ID. 3 402003001		YEAR / MO / DAY BEGINNING 94/09/01		YEAR / MO / DAY ENDING 94/09/30		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG				
1									
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MONTHLY AVG									
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TIMES EXCEEDED MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0 MO AVG 1 = 0									
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TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 1

FACILITY ID.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001		94/09/01		94/09/30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
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31								
MONTHLY AVG								3
MONTHLY HIGH								3
MONTHLY LOW								3
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M - MEAN 30 = 0	NO LIMIT	6M - MEAN 10 = 0	NO LIMIT	6M - MEAN 10 = 0	
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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: 2

FACILITY ID.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #		
3 402003001	94/09/01		94/09/30		06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
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MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED								
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/20/94

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 ID. 3 402003001	BEGINNING YEAR / MO / DAY 94/09/01	ENDING YEAR / MO / DAY 94/09/30	STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER
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28						** 7	** < 3
29							
30							
31							
MONTHLY AVG						7	< 3
MONTHLY HIGH						7	< 3
MONTHLY LOW						7	< 3
TIMES EXCEEDED	6M - MEAN 10= 0	No Limit	No Limit	No Limit	MO AVG 15= 0	MO AVG 15= 0	
TIMES EXCEEDED	DMAX20=0				DMAX20=0	DMAX20=0	
TIMES EXCEEDED	1 MAX 50 = 0						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** Other annual samples taken in October and September.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Runsey</i>	10/20/94

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 4

FACILITY ID.	BEGINNING	YEAR / MO / DAY	ENDING	YEAR / MO / DAY	STATE CODE	NPDES PERMIT #	
3 402003001		94/09/01		94/09/30	06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER
1							
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28	** < 3	** 4	** 13				
29							
30							
31							
MONTHLY AVG	< 3	4	13	No Discharge	No Discharge		
MONTHLY HIGH	< 3	4	13				
MONTHLY LOW	< 3	4	13				
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0		
TIMES EXCEEDED	DMAX20=0	DMAX20=0	DMAX20=0	DMAX20=0	DMAX20=0		
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** Other annual samples taken in October and September.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Heather Rumsey</i>	10/20/94

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

BEGINNING YEAR / MO / DAY
94/09/01

ENDING YEAR / MO / DAY
94/09/30

STATE CODE
06

NPDES PERMIT #
CA0003751

STATION
ANALYSIS
UNITS
SMPL TYPE
FREQ.

MOISTURE
%

TOT KJLDL N
mg/kg

AMMONIA (N)
mg/kg

NITRATE (N)
mg/kg

EFFLUENT 001N SLUDGE
TOT PHOSPHS
mg/kg
GRAB
OCTOBER

pH
pH UNITS

OL & GREASE
mg/kg

BORON
mg/kg

1
2
3
4
5
6
7
8
9
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11
12
13
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15
16
17
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28
29
30
31

MONTHLY AVG
MONTHLY HIGH
MONTHLY LOW

TIMES EXCEEDED
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

Heather Runney

10/20/94

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	BEGINNING YEAR / MO / DAY 94/09/01	ENDING YEAR / MO / DAY 94/09/30	STATE CODE 06	NPDES PERMIT # CA0003751
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	CADMIUM mg/kg	COPPER mg/kg	CHROMIUM mg/kg	EFFLUENT 001N SLUDGE		MERCURY mg/kg	ZINC mg/kg	VOLUME TONS
				LEAD mg/kg	NICKEL mg/kg			
				GRAB OCTOBER				

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29													
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31													

MONTHLY AVG
MONTHLY HIGH
MONTHLY LOW

TIMES EXCEEDED
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

Heather Ramsey

10/20/94

Unit: 0 NPDES
CHLORINATION/BROMINATION 1-2 CWPFrom: 9/01/94 0:01
Through: 9/30/94 23:59

Parameter:	0000 Cl2 Peak	0400 Cl2 Peak	0800 Cl2 Peak	1200 Cl2 Peak	1600 Cl2 Peak	2000 Cl2 Peak		
High Limit:								
Low Limit:								
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		
9/01/94 0:01	75	73	63	63	60	70		
9/02/94 0:01	68	69	69	69	63	68		
9/03/94 0:01	75	78	75	75	75	75		
9/04/94 0:01	75	75	75		70	68		
9/05/94 0:01	63	68	63		58	63		
9/06/94 0:01	60	60	63	50	55	70		
9/07/94 0:01	55	55	50	46	50	56		
9/08/94 0:01	56	60	60	54	50	56		
9/09/94 0:01	63	58	56	50	55	60		
9/10/94 0:01	65	63	68	63	63	63		
9/11/94 0:01	63	63	63	63	55	58		
9/12/94 0:01	60	62	62	50	48	49		
9/13/94 0:01	75	78	75	75	75	75		
9/14/94 0:01	53	50	50	46	43	45		
9/15/94 0:01	50	50	48	50	55	53		
9/16/94 0:01	60	58	50	50	45	45		
9/17/94 0:01	48	56	48	23	33	33		
9/18/94 0:01	43	44	36	33	35	34		
9/19/94 0:01	35	43	36	36	25	28		
9/20/94 0:01	35	35	28	23	40	50		
9/21/94 0:01	54	54	46	46	38	45		
9/22/94 0:01	43	43	45	41	45	43		
9/23/94 0:01	43	50	48	40	45	45		
9/24/94 0:01	48	53	53	53	58	58		
9/25/94 0:01	<20	<20	<20	70	73	<20		
9/26/94 0:01	<20	<20	<20	<20	<20	<20		

10/19/94 9:07

Requested by Heather Rumsey

Page: 1

NOTE: Individual sample results for TRC are adjusted by one of the following formulas to account for dilution by the unchlorinated Circulating Water Pumps. It is assumed that no chlorine demand exists in the sea water:

1. Samples drawn at Discharge Structure =

$$(\text{ppb TRC}) \times ((\# \text{ of operating CWP's on chlorinated Unit}) / (\# \text{ of operating CWP's for both Units}))$$

2. Samples drawn at Condenser Waterbox Inlet =

$$((\text{ppb TRC}) / (\# \text{ of operating CWP's for both Units}))$$

The daily average TRC value reported on the Q2 form is the average of the adjusted TRC results for the day. Some values reported are lower than the 20 ppb instrument MDL as they are adjusted to account for the flowrates of the operating CWP's.

CWP's 1-2 and 2-2 are treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWP's 1-2 and 2-1 are treated using 30 minute injections. The limit for a 30 minute injection is 75 ppb TRC.

Unit: 0 NPDES
CHLORINATION/BROMINATION 1-2 CWP

From: 9/01/94 0:01
Through: 9/30/94 23:59

Parameter:	0000 Cl2 Peak	0400 Cl2 Peak	0800 Cl2 Peak	1200 Cl2 Peak	1600 Cl2 Peak	2000 Cl2 Peak		
High Limit:								
Low Limit:								
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		
9/27/94 0:01	<20	<20	<20	<20	<20	<20	<20	
9/28/94 0:01	<20	<20	<20	<20	<20	<20	<20	
9/29/94 0:01	<20	<20	<20	<20	<20	<20	<20	
9/30/94 0:01	<20	<20	<20	<20	<20	<20	<20	

Unit: 0 NPDES
CHLORINATION/BROMINATION CWP 2-2From: 9/01/94 0:01
Through: 9/30/94 23:59

Parameter:	0100 PEAK Cl2	0500 PEAK Cl2	0900 PEAK Cl2	1300 PEAK Cl2	1700 PEAK Cl2	2100 PEAK Cl2		
High Limit:								
Low Limit:								
Sample Time:	PPB	PPB	PPB	PPB	PPB	PPB		
9/01/94 1:00	85	75	66	74	73	69		
9/02/94 1:00	74	73	74	73	68	70		
9/03/94 1:00	75	78	68	85	65	60		
9/04/94 1:00	63	60	53	<10	<10			
9/05/94 1:00	55	58	53	50	50	50		
9/06/94 1:00	48	49	50	43	55	56		
9/07/94 1:00	46	49	44	44	48	49		
9/08/94 1:00	50	54	50	48	50	50		
9/09/94 1:00	53	54	48	45	46	50		
9/10/94 1:00	55	53	58	65	50	50		
9/11/94 1:00	50	56	63	45	42	45		
9/12/94 1:00	44	28	30					

10/19/94 9:07

Requested by Heather Rumsey

Page: 1

Unit: 0 NPDES
001 EFFLUENT CHLORINATION

From: 9/01/94 0:01
Through: 9/30/94 23:59

Parameter:	CWP 1-1 Peak Cl2	CWP 2-1 Peak Cl2						
High Limit:								
Low Limit:		0						
Sample Time:	ppb	ppb						

9/01/94 10:00		<10
9/02/94 10:00	<10	<10
9/03/94 10:00	<10	<10
9/04/94 10:00	<10	50
9/05/94 10:00	<10	<10
9/06/94 10:00	<10	<10
9/07/94 10:00	<10	<10
9/08/94 10:00	<10	<10
9/09/94 10:00	<10	<10
9/12/94 10:00	<10	<10
9/15/94 10:00	<10	<10
9/16/94 9:00		21
9/17/94 9:00	<10	18
9/18/94 9:00	<10	14
9/19/94 9:00	<10	<10
9/20/94 10:00		<10
9/21/94 9:00	<10	<10
9/22/94 9:00	<10	<10
9/23/94 9:00	<10	
9/26/94 9:00	<20	
9/27/94 9:00	<20	
9/28/94 9:00	<20	
9/29/94 9:00	<20	
9/30/94 9:00	<20	

10/19/94 9:09

Requested by Heather Runsey

Page: 1

SANTARY WASTE WATER TREATMENT SYSTEM

CONTRACT #Z78-2104-86

REV 5/93

ECO Resources, Inc. 39899 Balentine Drive Suite 200 Newark, CA 94560	Pacific Gas & Electric Company Contacts: Joseph Higgins (805) 545-4103 John Knemeyer (805) 545-4472
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PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULT
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil & Grease	mg/l	Weekly	15	20	9-1	11:45AM	< 5 mg/l
2. "	"	"	"	"	9-8	11:47AM	7 mg/l
3. "	"	"	"	"	9-13	12:20 PM	6.3 mg/l
4. "	"	"	"	"	9-19	12:25 PM	< 5 mg/l
5. "	"	"	"	"	9-29	12:42 PM	< 5 mg/l
1. Suspended Solids	mg/l	Weekly	60	N/A	9-1	11:25AM	20 mg/l
2. "	"	"	"	"	9-8	11:13AM	33 mg/l
3. "	"	"	"	"	9-13	12:00 PM	48 mg/l
4. "	"	"	"	"	9-19	12:05 PM	28 mg/l
5. "	"	"	"	"	9-29	12:10 PM	42 mg/l
1. Settleable Solids	ml/l	Weekly	1.0	3.0	9-1	11:31AM	< 0.1 ml/l
2. "	"	"	"	"	9-8	11:19AM	< 0.1 ml/l
3. "	"	"	"	"	9-13	12:03PM	< 0.1 ml/l
4. "	"	"	"	"	9-19	12:11 PM	< 0.1 ml/l
5. "	"	"	"	"	9-29	12:16PM	< 0.1 ml/l

NOTES:

- Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact listed above.
- Oil & 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 contract laboratory.

COMMENTS:

SLUDGE DISPOSAL DATA

MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
September		2461 lbs.	Santa Maria WWTP

Data sheet completed by: Michael J Beeleaf

Date: October 6th 1994

APPENDIX 5

DIABLO CANYON POWER PLANT

Acute Bioassay

July 11-15, 1994

PACIFIC GAS AND ELECTRIC COMPANY
NRS Onsite Dosimetry and Environmental Services
P. O. Box 117
Avila Beach, California 93424

LABORATORY TEST REPORT

SUBJECT: ACUTE TOXICITY ASSESSMENT OF DISCHARGE WATER FROM
DIABLO CANYON POWER PLANT, THIRD QUARTER OF 1994

Introduction:

One acute toxicity bioassay was conducted at the Nuclear Regulatory Services Diablo Canyon Biological Laboratory on water sampled on July 11, 1994, from Diablo Canyon Power Plant's discharge 001. This bioassay satisfies this quarter's requirement for acute toxicity testing in Diablo Canyon Power Plant's NPDES Permit.

Methods:

The bioassay was a standard 96-hour static acute toxicity test conducted using the guidelines in Kopperdahl (1976) and EPA (1985). The dilutions tested were 100 percent effluent and a dilution water control. Juvenile red abalone (*Haliotis rufescens*) were used as the test species.

Results:

The bioassay (DCPP-211) was begun within twenty-four hours of sample collection. All measured chemical and physical parameters fell within accepted limits. The data sheet is attached. Toxicity was 0 (no mortality occurred during the test).

SUMMARY OF RESULTS

<u>Assay No.</u>	<u>Date Sampled</u>	<u>Location</u>	<u>Toxicity (TUc)</u>
DCPP-211	July 11, 1994	Discharge 001	0 (no mortality)

References:

Kopperdahl, Fredric R. 1976. Guidelines for Performing Static Acute Toxicity Fish Bioassays in Municipal and Industrial Wastewaters. State Water Resources Control Board, and California Department of Fish and Game.

EPA, 1985. Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms. Third Edition. EPA/600/4-85/013

Distribution: BJBerndt
JVBoots
AMJackson
JRKnemeyer
DCSommerville
TCWilson
RMS Indexer

DATE August 25, 1994
TESTED BY James L. Kille
APPROVED BY SD [Signature]
FILE NO

PACIFIC GAS & ELECTRIC COMPANY
Technical and Ecological Services
DIABLO CANYON BIOLOGICAL LABORATORY
STATIC BIOASSAY REPORT SHEET
 One Concentration

Procedure 2.3
 Revision 1
 Attachment 5

ASSAY NO. DCP - 211

TEST ORGANISM DATA :

TEST ORGANISM : Red Abalone, *Haliotis rufescens*
 SOURCE : Cayucos Abalone Farm Inc., Cayucos California
 AVERAGE LENGTH : 12 mm RANGE : 10 - 15 mm
 ACCLIMATION TIME : 9 Weeks TEMP : 10 - 13 D. Celsius
 WATER SOURCE : DCP Biological Laboratory Intake Pump

TEST SOLUTION DATA :

SOURCE OF TEST SOLUTION :
 Diablo Canyon Power Plant Unit 1 & Unit 2
 Discharge Seawater Grab Sample
 DATE/TIME SAMPLED : 11 July 1994 @ 09:05
 SAMPLED BY : BK Cunningham

DATE STARTED : 11-Jul-94

TIME STARTED : 13:20 HOURS

VOLUME/DEPTH OF TEST SOLUTION : 16 Liters / 19 cm
 TYPE OF AERATION : Bio. Lab. Ring Compressor System

RENEWAL OF TEST SOLUTIONS AT : 0 Hour Intervals
 ORGANISMS PER CONCENTRATION : 30
 DILUTION WATER SOURCE : Control; Bio. Lab. Pump Seawater

TEST CONCENTRATIONS

	100%	CONTROL	INITIALS
0 HOURS			
TEMPERATURE (Degrees Celsius)	12.8	12.8	BKC
DISSOLVED OXYGEN (mg/Liter)	7.4	7.7	BKC
PH	8.0	8.0	BKC
SALINITY/HARDNESS	33.2	32.8	BKC
24 HOURS			
ORGANISMS SURVIVING	30	30	BKC
% SURVIVAL	100	100	BKC
TEMPERATURE (Degrees Celsius)	12.6	12.6	BKC
DISSOLVED OXYGEN (mg/Liter)	8.0	7.9	BKC
PH	8.0	8.0	BKC
48 HOURS			
ORGANISMS SURVIVING	30	30	BKC
% SURVIVAL	100	100	BKC
TEMPERATURE (Degrees Celsius)	13.3	13.3	BKC
DISSOLVED OXYGEN (mg/Liter)	8.0	8.0	BKC
PH	8.0	8.0	BKC
72 HOURS			
ORGANISMS SURVIVING	30	30	BKC
% SURVIVAL	100	100	BKC
TEMPERATURE (Degrees Celsius)	12.6	12.6	BKC
DISSOLVED OXYGEN (mg/Liter)	8.2	8.1	BKC
PH	8.0	8.0	BKC
96 HOURS			
ORGANISMS SURVIVING	30	30	BKC
% SURVIVAL	100	100	BKC
TEMPERATURE (Degrees Celsius)	13.4	13.4	BKC
DISSOLVED OXYGEN (mg/Liter)	8.2	7.9	BKC
PH	8.0	8.0	BKC
SALINITY/HARDNESS	33.4	33.5	BKC

Procedure No.
 Temperature Probe No.
 Calibration Due Date

0, No Mortality
 2.3
 44
 9-Mar-95

TESTED BY : BK Cunningham

Reviewed By :

APPENDIX 6

DIABLO CANYON POWER PLANT

Chronic Bioassay

July 13-15, 1994

PACIFIC GAS AND ELECTRIC COMPANY
NRS Onsite Dosimetry and Environmental Services
P. O. Box 56
Avila Beach, California 93424

LABORATORY TEST REPORT

SUBJECT: CHRONIC TOXICITY ASSESSMENT OF DISCHARGE WATER FROM
DIABLO CANYON POWER PLANT, THIRD QUARTER OF 1994

Introduction:

One chronic toxicity bioassay was conducted at the Nuclear Regulatory Services Diablo Canyon Biological Laboratory on water sampled July 12-13, 1994, from Diablo Canyon Power Plant's discharge 001. This bioassay satisfies this quarter's requirement for chronic toxicity testing in the 1990 California Ocean Plan.

Methods:

The bioassay was a 48 hour chronic toxicity test conducted using a state approved protocol developed by the Water Resources Control Board. Larval red abalone (*Haliotis rufescens*) were used as the test organism. The bioassay (DCPP-212) was begun within thirty-six hours of sample collection.

Results:

The highest concentration that was not significantly different from the Control was the 56% concentration (No Observed Effect Level (NOEL) = 56%). Toxicity (TUc) = $100/\text{NOEL} = 1.79$. The calculated effluent concentration limit from Chapter IV, Section A of the 1990 Ocean Plan is 5.11. Since the measured toxicity (1.79) is below this limit, DCP is in compliance with the 1990 California Ocean Plan. The data were analyzed using ANOVA with Dunnet's Test. The effluent test and the reference toxicant test met all acceptance criteria. Data sheets and statistical results are attached.

SUMMARY OF RESULTS

<u>Test Solution</u>	<u>Assay No.</u>	<u>Date Sampled</u>	<u>Toxicity (TUc)</u>
Discharge 001	DCPP-212	July 12-13, 1994	1.79 (NOEL = 56%)
Reference Toxicant	NA	July 13, 1994	5.56 (NOEL = 18ug/l)

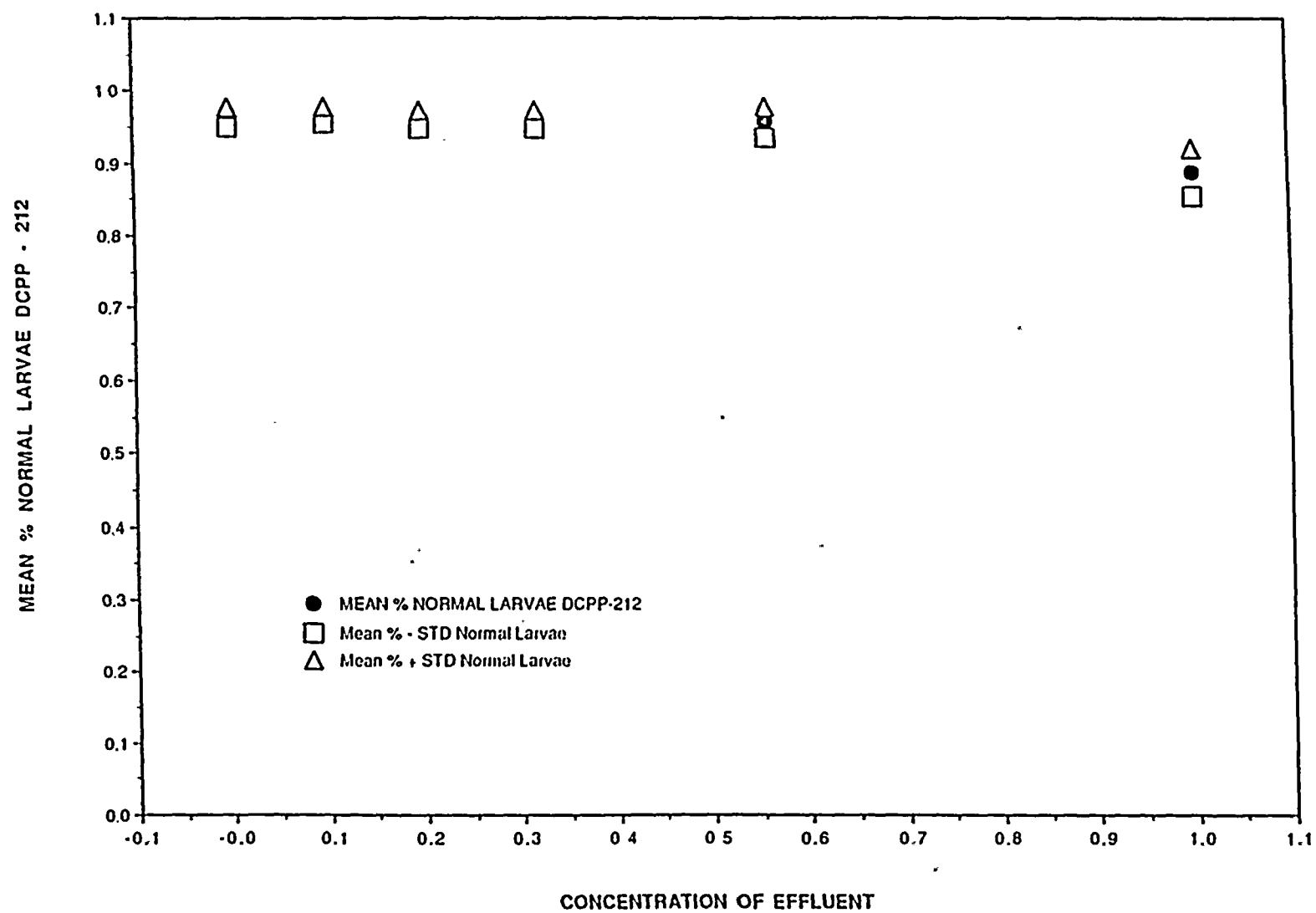
References:

State of California. October 1990. Procedures Manual for Conducting Toxicity Tests Developed by the Marine Bioassay Project. Water Resources Control Board.

Distribution: BJBerndt
JVBoots
AMJackson
DCSommerville
JWWarrick
TCWilson
RMS Indexer

DATE September 8, 1994
TESTED BY James L. Kelly
APPROVED DCSommerville
FILE NO. _____

Test Container Number	Effluent Concentration Percent	Number Abnormal Larvae	Number Normal Larvae	Percentage of Normal Larvae	Mean % Normal Larvae	Standard Deviation Normal L.	Mean less Standard Deviation	Mean plus Standard Deviation	Percentage of Abnormal Larvae	Mean % Abnormal Larvae
2	0.0% Control 0.45 um Filtered Seawater	7	193	96.50%	0.965	0.014	0.951	0.979	3.50%	0.035
30		11	189	94.50%					5.50%	
34		8	192	96.00%					4.00%	
41		5	195	97.50%					2.50%	
70		4	196	98.00%					2.00%	
4	10.0%	8	192	96.00%	0.967	0.012	0.955	0.979	4.00%	0.033
6		6	194	97.00%					3.00%	
45		9	191	95.50%					4.50%	
57		7	193	96.50%					3.50%	
65		3	197	98.50%					1.50%	
33	20.0%	5	195	97.50%	0.960	0.012	0.948	0.972	2.50%	0.040
36		11	189	94.50%					5.50%	
37		6	194	97.00%					3.00%	
40		9	191	95.50%					4.50%	
63		9	191	95.50%					4.50%	
5	32.0%	5	195	97.50%	0.961	0.013	0.948	0.974	2.50%	0.039
14		8	192	96.00%					4.00%	
26		12	188	94.00%					6.00%	
52		6	194	97.00%					3.00%	
68		8	192	96.00%					4.00%	
1	56.0%	4	196	98.00%	0.957	0.021	0.936	0.978	2.00%	0.043
10		6	194	97.00%					3.00%	
23		10	190	95.00%					5.00%	
28		8	192	96.00%					4.00%	
66		15	185	92.50%					7.50%	
12	100.0%	27	173	86.50%	0.886	0.033	0.853	0.919	13.50%	0.114
29		24	176	88.00%					12.00%	
44		12	188	94.00%					6.00%	
49		22	178	89.00%					11.00%	
54		29	171	85.50%					14.50%	



DCPP-212: DIABLO CANYON 3RD QUARTER OF 1994 CHRONIC TOXICITY TEST
STATISTICAL ANALYSIS

Shapiro Wilks Test for Normality (Transformation: Arc Sine (Square Root))

D = 0.042 Critical W (P = 0.05) (n = 30) = 0.927
W = 0.981 Critical W (P = 0.01) (n = 30) = 0.900

Data PASS normality test at P = 0.01 level. Continue analysis.

Bartlett's Test for Homogeneity of Variance (Transformation: Arc Sine (Square Root))

Calculated B statistic = 2.16 Table Chi-square value = 15.09 (alpha = 0.01)
Table Chi-square value = 11.07 (alpha = 0.05)

Average df used in calculation ==> df (avg n - 1) = 4.00
Used for Chi-square table value ==> df (#groups-1) = 5

Data PASS homogeneity test at 0.01 level. Continue analysis

ANOVA Table

Source	DF	SS	MS	F
Between	5	0.093	0.019	9.500
Within (Error)	24	0.042	0.002	
Total	29	0.136		

Critical F value = 2.62 (0.05,5,24) Since F > Critical F REJECT Ho: All groups Equal

Dunnett's Test

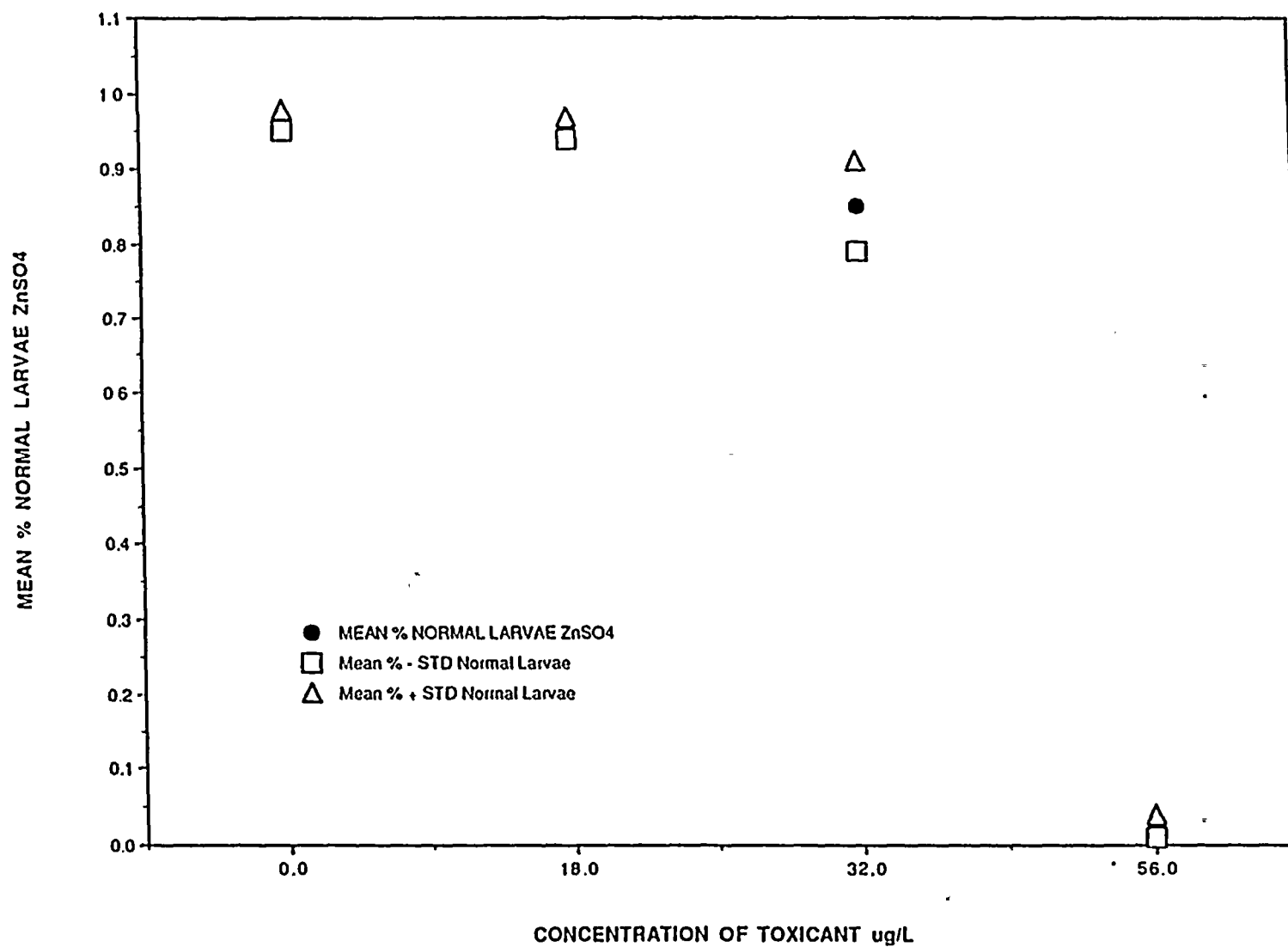
Ho: Control < Treatment

Table 1 of 2		Transformed	Mean Calculated		
Group	Identification	Mean	in Original Units	T Stat	Sig
1	Control	1.385	0.965		
2	10%	1.391	0.967	-0.189	
3	20%	1.371	0.960	0.496	
4	32%	1.374	0.961	0.397	
5	56%	1.367	0.957	0.660	
6	100%	1.230	0.886	5.510	*

Dunnet table value = 2.36 (1 Tailed Value, P = 0.05, df = 24, 5)

Table 2 of 2		Num of	Minimum Sig Diff	% of	Difference
Group	Identification	Reps	(In Orig. Units)	Control	From Control
1	Control	5			
2	10%	5	0.028	2.9	-0.002
3	20%	5	0.028	2.9	0.005
4	32%	5	0.028	2.9	0.004
5	56%	5	0.028	2.9	0.008
6	100%	5	0.028	2.9	0.079

Test Container Number	Toxicant Concentration ug per Liter	Number Abnormal Larvae	Number Normal Larvae	Percentage of Normal Larvae	Mean % Normal Larvae	Standard Deviation Normal L.	Mean less Standard Deviation	Mean plus Standard Deviation	Percentage of Abnormal Larvae	Mean % Abnormal Larvae
2	0.0%	7	193	96.50%	0.965	0.014	0.951	0.979	3.50%	0.035
30	Control 0.45 um Filtered Seawater	11	189	94.50%					5.50%	
34		8	192	96.00%					4.00%	
41		5	195	97.50%					2.50%	
70		4	196	98.00%					2.00%	
39	18.0	8	192	96.00%	0.954	0.015	0.939	0.969	4.00%	0.046
51		13	187	93.50%					6.50%	
55		5	195	97.50%					2.50%	
56		9	191	95.50%					4.50%	
69		11	189	94.50%					5.50%	
11	32.0	47	153	76.50%	0.851	0.061	0.790	0.912	23.50%	0.149
13		38	162	81.00%					19.00%	
15		21	179	89.50%					10.50%	
16		25	175	87.50%					12.50%	
50		18	182	91.00%					9.00%	
3	56.0	197	3	1.50%	0.025	0.015	0.010	0.040	98.50%	0.975
25		191	9	4.50%					95.50%	
46		193	7	3.50%					96.50%	
48		198	2	1.00%					99.00%	
53		196	4	2.00%					98.00%	



DCPP-212: DIABLO CANYON 3RD QUARTER OF 1994 CHRONIC TOXICITY TEST
ZINC REFERENCE TOXICANT
STATISTICAL ANALYSIS

Shapiro Wilks Test for Normality (Transformation: Arc Sine (Square Root))

D = 0.049 Critical W (P = 0.05) (n = 30) = 0.905
W = 0.977 Critical W (P = 0.01) (n = 30) = 0.868

Data PASS normality test at P = 0.01 level. Continue analysis.

Bartlett's Test for Homogeneity of Variance (Transformation: Arc Sine (Square Root))

Calculated B statistic = 3.76
Table Chi-square value = 11.34 (alpha = 0.01)
Table Chi-square value = 7.81 (alpha = 0.05)

Average df used in calculation ==> df (avg n - 1) = 4.00
Used for Chi-square table value ==> df (#groups-1) = 3

Data PASS homogeneity test at 0.01 level. Continue analysis

ANOVA Table

Source	DF	SS	MS	F
Between	3	5.119	1.706	568.667
Within (Error)	16	0.049	0.003	
Total	19	5.168		

Critical F value = 3.24 (0.05,3,16) Since F > Critical F REJECT Ho: All groups Equal

Dunnett's Test

Ho: Control < Treatment

Table 1 of 2 Group	Identification	Transformed Mean	Mean Calculated in Original Units	T Stat	Sig
1	Control	1.385	0.965		
2	18 ug/l	1.357	0.954	0.817	
3	32 ug/l	1.180	0.851	5.925	*
4	56 ug/l	0.153	0.025	35.566	*

Dunnett table value = 2.23 (1 Tailed Value, P = 0.05, df = 16, 3)

Table 2 of 2 Group	Identification	Num of Reps	Minimum Sig Diff (In Orig. Units)	% of Control	Difference From Control
1	Control	5			
2	18 ug/l	5	0.033	3.5	0.011
3	32 ug/l	5	0.033	3.5	0.114
4	56 ug/l	5	0.033	3.5	0.940

PHYSICAL / CHEMICAL MEASUREMENTS
Red Abalone Chronic Bioassay
Diablo Canyon Biological Laboratory

Test Start Date/Time : July 13 , 1994 @ 13:09

Bioassay Number (s) : DCPD - 212

Test Finish Date/Time : July 15 , 1994 @ 13:09

Collection Date (s) : July 12 - 13 , 1994 @ 08:10

Test Organism : *Haliotis rufescens*

MEASUREMENTS AT START OF ASSAY

MEASUREMENTS AT FINISH OF ASSAY

	PH	D. OXYGEN	SALINITY	CONTAINER	PH	D. OXYGEN	SALINITY
CONTROL	7.9	6.9	33.3	41	8.1	7.7	34.1

REFERENCE TOXICANT : ZnSO₄

18µg / L	7.9	6.9	33.2	39	8.1	7.6	33.8
32µg / L	7.9	7.0	33.3	13	8.0	7.8	33.7
56µg / L	7.9	6.9	33.2	53	8.1	7.6	33.9

Effluent Source : Diablo Canyon PP Unit 1 and 2 Discharge Collection Date/Time : July 12 - 13 , 1994 @ 08:10

10%	8.0	7.0	33.4	4	8.1	7.6	34.1
20%	8.0	7.0	33.5	37	8.0	7.8	34.0
32%	8.0	7.0	33.5	26	8.0	7.6	33.9
56%	8.0	7.0	33.5	28	8.1	7.7	34.0
100%	8.1	7.2	33.6	29	8.1	7.5	33.9

Hourly Temperature Data

Hour 01	Hour 13	Hour 25	Hour 37
15.13	15.15	14.69	14.99
14.95	15.01	14.72	14.94
14.86	15.01	14.74	14.90
14.79	15.01	14.75	14.87
15.01	15.01	14.77	14.86
15.01	14.55	14.81	14.85
15.15	14.49	14.84	14.75
15.01	14.58	14.85	14.78
15.01	14.63	14.85	14.85
15.01	14.65	14.84	14.87
15.01	14.67	15.08	15.45
15.32	14.68	15.05	15.64
Hour 12	Hour 24	Hour 36	Hour 48

Mean Temperature 48 Hour Static Test

14.91

Degrees Celsius

Standard Deviation Hourly Temperature

0.22

Analyzed By : BK Cunningham

Reviewed by : *Janice L. Kelly*

Date Analyzed : July 13 , 1994 : July 15 , 1994

Date Reviewed : *September 7, 1994*

ABALONE SPAWN AND FERTILIZATION WORKSHEET

Red Abalone Chronic Bioassay
Diablo Canyon Biological Laboratory

Test Start Date/Time : July 13, 1994 @ 13:09 Bioassay Number(s) : DCPP - 212

Test Finish Date/Time : July 15, 1994 @ 13:09 Effluent Source (s) : Diablo Canyon PP Discharge

Test Organism : Haliotis rufescens Collection Date/Time : July 12 - 13, 1994 @ 08:10

	<u>Males Used</u>	<u>Gonad Index</u>	<u>Date Last Used</u>		<u>Females Used</u>	<u>Gonad Index</u>	<u>Date Last Used</u>
1	<u>Unmarked</u>	<u>4</u>	<u>No Prior Use</u>	1	<u>Unmarked</u>	<u>4</u>	<u>No Prior Use</u>
2	<u>Unmarked</u>	<u>4</u>	<u>No Prior Use</u>	2	<u>Unmarked</u>	<u>3</u>	<u>No Prior Use</u>
3	<u>Unmarked</u>	<u>3</u>	<u>No Prior Use</u>	3	<u>Unmarked</u>	<u>3</u>	<u>No Prior Use</u>
4	<u>Unmarked</u>	<u>3</u>	<u>No Prior Use</u>	4	<u>Unmarked</u>	<u>3</u>	<u>No Prior Use</u>

Method of spawning : (X) Peroxide () UV irradiated seawater () Other _____

Beginning of spawning treatment : 07:52 Peroxide Solution Flushed From Spawning Tanks :

First male spawns : 09:55 Males: 09:55 Females: 10:22

First female spawns : 10:50 Comments: _____

Multiple spawners : Male : 10:05 Female : 10:55

Condition of spawn : Males : () light (X) moderate () heavy : Females : (X) light () moderate () heavy

Sperm added to egg container : 11:54 Time fertilization complete : 12:12

Condense the fertilized eggs into a beaker and determine the density. Counts of 1 ml samples :

1: 232 2: 238 3: 222 4: 208 5: 221

Mean : 224 STD : _____

Add 1000 embryos to each test container :

Pipette the volume calculated below from the well-mixed beaker sampled above.

(1000 embryos/test container) / (224 #embryos/ml) = 4.46 ml/test container

Temperature of embryos : 15.2 Celsius Temperature of test containers : 15.5 Celsius

Time all containers in incubator : 13:09

Comments : To insure adequate spawn success, 6 additional Male, and 6 additional Female abalone.

Gonad Index 3 - 4, will be used in the Hydrogen Peroxide spawn induction procedure. Injected 4.0mls embryos into test containers (maximum amt. according to procedure.)

Prepared By : CLS

Reviewed By : James L. Kelly

Date Prepared : 13 July 1994

Date Reviewed : September 7, 1994 (10)

APPENDIX 7

DIABLO CANYON POWER PLANT

Sediment Metals Analysis Results for 1994

1994 DIABLO CANYON SEDIMENT METALS ANALYSIS

STATION: PACIFIC OCEAN NORTH CONTROL (PON)
 DATE SAMPLED: SEPTEMBER 7, 1994
 DATE ANALYZED: SEPTEMBER 15, 1994
 COLLECTED BY: C. EHRLER

RESULTS: SAMPLE I.D.: PON - 1

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.030	0.01
CHROMIUM (Cr)	0.62	0.1
COPPER (Cu)	3.2	0.05
LEAD (Pb)	0.67	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.63	0.1
MERCURY (Hg)	N.D.	0.005

RESULTS: SAMPLE I.D.: PON - 2

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.030	0.01
CHROMIUM (Cr)	0.49	0.1
COPPER (Cu)	2.3	0.05
LEAD (Pb)	0.17	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.57	0.1
MERCURY (Hg)	N.D.	0.005

RESULTS: SAMPLE I.D.: PON - 3

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.020	0.01
CHROMIUM (Cr)	0.61	0.1
COPPER (Cu)	2.2	0.05
LEAD (Pb)	0.14	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.48	0.1
MERCURY (Hg)	N.D.	0.005

METHOD OF ANALYSIS: CA WET/EPA 3010/6010/7470, USING WEAK ACID LEACH
 PROCEDURE

1994 DIABLO CANYON SEDIMENT METALS ANALYSIS

STATION: PACIFIC OCEAN SOUTH CONTROL (POS)
 DATE SAMPLED: SEPTEMBER 7, 1994
 DATE ANALYZED: SEPTEMBER 15, 1994
 COLLECTED BY: C. EHRLER

RESULTS: SAMPLE I.D.: POS - 1

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.040	0.01
CHROMIUM (Cr)	0.36	0.1
COPPER (Cu)	2.0	0.05
LEAD (Pb)	0.23	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.76	0.1
MERCURY (Hg)	N.D.	0.005

RESULTS: SAMPLE I.D.: POS - 2

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.040	0.01
CHROMIUM (Cr)	0.42	0.1
COPPER (Cu)	2.6	0.05
LEAD (Pb)	0.34	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.93	0.1
MERCURY (Hg)	N.D.	0.005

RESULTS: SAMPLE I.D.: POS - 3

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.040	0.01
CHROMIUM (Cr)	0.40	0.1
COPPER (Cu)	6.0	0.05
LEAD (Pb)	0.61	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	1.5	0.1
MERCURY (Hg)	N.D.	0.005

METHOD OF ANALYSIS: CA WET/EPA 3010/6010/7470, USING WEAK ACID LEACH
 PROCEDURE

1994 DIABLO CANYON SEDIMENT METALS ANALYSIS

STATION: DIABLO COVE NORTH (DCM1)
 DATE SAMPLED: SEPTEMBER 7, 1994
 DATE ANALYZED: SEPTEMBER 15, 1994
 COLLECTED BY: C. EHRLER

RESULTS: SAMPLE I.D.: DCN - 1

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.020	0.01
CHROMIUM (Cr)	0.56	0.1
COPPER (Cu)	2.0	0.05
LEAD (Pb)	0.19	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.77	0.1
MERCURY (Hg)	N.D.	0.005

RESULTS: SAMPLE I.D.: DCN - 2

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.020	0.01
CHROMIUM (Cr)	0.43	0.1
COPPER (Cu)	8.1	0.05
LEAD (Pb)	0.24	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.52	0.1
MERCURY (Hg)	N.D.	0.005

RESULTS: SAMPLE I.D.: DCN - 3

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.020	0.01
CHROMIUM (Cr)	0.43	0.1
COPPER (Cu)	3.6	0.05
LEAD (Pb)	0.31	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.52	0.1
MERCURY (Hg)	N.D.	0.005

METHOD OF ANALYSIS: CA WET/EPA 3010/6010/7470, USING WEAK ACID LEACH
 PROCEDURE

1994 DIABLO CANYON SEDIMENT METALS ANALYSIS

STATION: DIABLO COVE SOUTH (DCM2)
 DATE SAMPLED: SEPTEMBER 7, 1994
 DATE ANALYZED: SEPTEMBER 15, 1994
 COLLECTED BY: C. EHRLER

RESULTS: SAMPLE I.D.: DCS - 1

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.030	0.01
CHROMIUM (Cr)	0.55	0.1
COPPER (Cu)	0.51	0.05
LEAD (Pb)	0.12	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.63	0.1
MERCURY (Hg)	N.D.	0.005

RESULTS: SAMPLE I.D.: DCS - 2

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.050	0.01
CHROMIUM (Cr)	0.53	0.1
COPPER (Cu)	1.7	0.05
LEAD (Pb)	0.19	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	0.88	0.1
MERCURY (Hg)	N.D.	0.005

RESULTS: SAMPLE I.D.: DCS - 3

METALS	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
ARSENIC (As)	N.D.	0.05
CADMIUM (Cd)	0.030	0.01
CHROMIUM (Cr)	0.61	0.1
COPPER (Cu)	1.5	0.05
LEAD (Pb)	0.18	0.1
SILVER (Ag)	N.D.	0.05
ZINC (Zn)	1.0	0.1
MERCURY (Hg)	N.D.	0.005

METHOD OF ANALYSIS: CA WET/EPA 3010/6010/7470, USING WEAK ACID LEACH
 PROCEDURE

APPENDIX 8

DIABLO CANYON POWER PLANT

Sediment Grain Size Analysis Results For 1994

1994 DIABLO CANYON SEDIMENT GRAIN SIZE ANALYSIS
AASHTO GROUP NAME: FINE SAND

STATION: PACIFIC OCEAN NORTH CONTROL (PON)
 DATE SAMPLED: SEPTEMBER 7, 1994
 DATE ANALYZED: SEPTEMBER 16, 1994
 COLLECTED BY: C. EHRLER

RESULTS: SAMPLE I.D.: PON - 1 TOTAL DRY WEIGHT OF SAMPLE = 345.9 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	3.3	3.3	99
0.375"	0.375	9.52	0.5	3.8	99
#4	0.187	4.73	0.7	4.5	99
#8	0.093	2.36	4.1	8.6	98
#16	0.046	1.18	7.0	15.6	95
#30	0.024	0.60	23.7	39.3	89
#50	0.012	0.30	187.8	227.1	34
#100	0.006	0.15	88.2	315.3	9
#200	0.003	0.075	18.2	333.5	4

RESULTS: SAMPLE I.D.: PON - 2 TOTAL DRY WEIGHT OF SAMPLE = 217.7 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	0.0	0.0	100
0.375"	0.375	9.52	0.0	0.0	100
#4	0.187	4.73	1.9	1.9	99
#8	0.093	2.36	4.7	6.6	97
#16	0.046	1.18	12.3	18.9	91
#30	0.024	0.60	25.5	44.4	80
#50	0.012	0.30	87.4	131.8	39
#100	0.006	0.15	46.0	177.8	18
#200	0.003	0.075	19.7	197.5	9

RESULTS: SAMPLE I.D.: PON - 3 TOTAL DRY WEIGHT OF SAMPLE = 277.1 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	0.0	0.0	100
0.375"	0.375	9.52	1.5	1.5	99
#4	0.187	4.73	4.1	5.6	98
#8	0.093	2.36	8.1	13.7	95
#16	0.046	1.18	9.6	23.3	92
#30	0.024	0.60	31.2	54.5	80
#50	0.012	0.30	131.8	186.3	33
#100	0.006	0.15	54.6	240.9	13
#200	0.003	0.075	23.6	264.5	5

1994 DIABLO CANYON SEDIMENT GRAIN SIZE ANALYSIS
AASHTO GROUP NAME: STONE FRAGMENTS, GRAVEL AND SAND

STATION: PACIFIC OCEAN SOUTH CONTROL (POS)
 DATE SAMPLED: SEPTEMBER 7, 1994
 DATE ANALYZED: SEPTEMBER 16, 1994
 COLLECTED BY: C. EHRLER

RESULTS: SAMPLE I.D.: POS - 1 TOTAL DRY WEIGHT OF SAMPLE = 409.3 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	0.0	0.0	100
0.375"	0.375	9.52	0.0	0.0	100
#4	0.187	4.73	8.9	8.9	98
#8	0.093	2.36	17.7	26.6	94
#16	0.046	1.18	34.0	60.6	85
#30	0.024	0.60	81.7	142.3	65
#50	0.012	0.30	160.4	302.7	26
#100	0.006	0.15	69.5	372.2	9
#200	0.003	0.075	20.6	392.8	4

RESULTS: SAMPLE I.D.: POS - 2 TOTAL DRY WEIGHT OF SAMPLE = 412.2 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	17.3	17.3	96
0.5"	0.500	12.70	0.0	17.3	96
0.375"	0.375	9.52	0.0	17.3	96
#4	0.187	4.73	12.1	29.4	93
#8	0.093	2.36	21.9	51.3	88
#16	0.046	1.18	36.6	87.9	79
#30	0.024	0.60	76.4	164.3	60
#50	0.012	0.30	124.7	289.0	30
#100	0.006	0.15	69.3	358.3	13
#200	0.003	0.075	29.3	387.6	6

RESULTS: SAMPLE I.D.: POS - 3 TOTAL DRY WEIGHT OF SAMPLE = 357.7 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	8.7	8.7	98
0.5"	0.500	12.70	5.4	14.1	96
0.375"	0.375	9.52	1.6	15.7	96
#4	0.187	4.73	13.6	29.3	92
#8	0.093	2.36	16.2	45.5	87
#16	0.046	1.18	21.0	66.5	81
#30	0.024	0.60	61.4	127.9	64
#50	0.012	0.30	140.3	268.2	25
#100	0.006	0.15	57.4	325.6	9
#200	0.003	0.075	16.7	342.3	4

1994 DIABLO CANYON SEDIMENT GRAIN SIZE ANALYSIS
AASHTO GROUP NAME: STONE FRAGMENTS, GRAVEL AND SAND

STATION: DIABLO COVE NORTH (DCN)
 DATE SAMPLED: SEPTEMBER 7, 1994
 DATE ANALYZED: SEPTEMBER 16, 1994
 COLLECTED BY: C. EHRLER

RESULTS: SAMPLE I.D.: DCN - 1 TOTAL DRY WEIGHT OF SAMPLE = 350.0 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	13.8	13.8	96
0.375"	0.375	9.52	16.3	30.1	91
#4	0.187	4.73	26.5	56.6	84
#8	0.093	2.36	23.0	79.6	77
#16	0.046	1.18	64.0	143.6	59
#30	0.024	0.60	72.9	216.5	38
#50	0.012	0.30	72.1	288.6	18
#100	0.006	0.15	38.7	327.3	6
#200	0.003	0.075	12.7	340.0	3

RESULTS: SAMPLE I.D.: DCN - 2 TOTAL DRY WEIGHT OF SAMPLE = 379.5 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	10.1	10.1	97
0.375"	0.375	9.52	7.3	17.4	95
#4	0.187	4.73	17.5	34.9	91
#8	0.093	2.36	28.5	63.4	83
#16	0.046	1.18	97.6	161.0	58
#30	0.024	0.60	111.5	272.5	28
#50	0.012	0.30	63.5	336.0	11
#100	0.006	0.15	27.1	363.1	4
#200	0.003	0.075	7.6	370.7	2

RESULTS: SAMPLE I.D.: DCN - 3 TOTAL DRY WEIGHT OF SAMPLE = 332.5 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	8.6	8.6	97
0.375"	0.375	9.52	15.8	24.4	93
#4	0.187	4.73	20.1	44.5	87
#8	0.093	2.36	16.7	61.2	82
#16	0.046	1.18	64.3	125.5	62
#30	0.024	0.60	87.9	213.4	36
#50	0.012	0.30	70.3	283.7	15
#100	0.006	0.15	28.3	312.0	6
#200	0.003	0.075	10.3	322.3	3

1994 DIABLO CANYON SEDIMENT GRAIN SIZE ANALYSIS
AASHTO GROUP NAME: STONE FRAGMENTS, GRAVEL AND SAND

STATION: DIABLO COVE SOUTH (DCS)
 DATE SAMPLED: SEPTEMBER 7, 1994
 DATE ANALYZED: SEPTEMBER 16, 1994
 COLLECTED BY: C. EHRLER

RESULTS: SAMPLE I.D.: DCS - 1 TOTAL DRY WEIGHT OF SAMPLE = 321.3 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	0.0	0.0	100
0.375"	0.375	9.52	0.0	0.0	100
#4	0.187	4.73	0.4	0.4	100
#8	0.093	2.36	1.6	2.0	99
#16	0.046	1.18	120.1	122.1	62
#30	0.024	0.60	128.3	250.4	22
#50	0.012	0.30	33.7	284.1	12
#100	0.006	0.15	15.6	299.7	7
#200	0.003	0.075	9.1	308.8	4

RESULTS: SAMPLE I.D.: DCS - 2 TOTAL DRY WEIGHT OF SAMPLE = 349.7 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	0.0	0.0	100
0.375"	0.375	9.52	2.9	2.9	99
#4	0.187	4.73	3.1	6.0	98
#8	0.093	2.36	12.4	18.4	95
#16	0.046	1.18	35.8	54.2	85
#30	0.024	0.60	85.1	139.3	60
#50	0.012	0.30	88.7	228.0	35
#100	0.006	0.15	60.9	288.9	17
#200	0.003	0.075	34.8	323.7	7

RESULTS: SAMPLE I.D.: DCS - 3 TOTAL DRY WEIGHT OF SAMPLE = 264.0 GRAMS

SIEVE MESH	SIEVE INCHES	OPENINGS MILLIMETERS	WEIGHT RETAINED (G)	CUMULATIVE WEIGHT (G)	PERCENT FINER
1.00	1.000	25.40	0.0	0.0	100
0.75"	0.752	19.10	0.0	0.0	100
0.5"	0.500	12.70	0.0	0.0	100
0.375"	0.375	9.52	0.0	0.0	100
#4	0.187	4.73	2.4	2.4	99
#8	0.093	2.36	5.4	7.8	97
#16	0.046	1.18	25.2	33.0	88
#30	0.024	0.60	69.0	102.0	61
#50	0.012	0.30	65.1	167.1	37
#100	0.006	0.15	64.8	231.9	12
#200	0.003	0.075	22.2	254.1	4