CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9601290454 DOC.DATE: ~~95/12/31~~ NOTARIZED: NO DOCKET #
FACIL:50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Ga 05000275
50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga 05000323
AUTH.NAME AUTHOR AFFILIATION
FUJIMOTO,W.H. Pacific Gas & Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
BRIGG,R.W. California, State of

See Enviro Rpt.

SUBJECT: "Fourt Quarter 1995 Rept on ~~Discharge~~ Monitoring at Diablo Canyon Power Plant." W/960119 ltr.

DISTRIBUTION CODE: IE23D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 107
TITLE: Environmental Event Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	PD4-2 PD	1	1	BLOOM,S	1	1
INTERNAL:	ACRS	5	5	FILE CENTER 01	1	1
	OGC/HDS3	1	1	RGN4	1	1
EXTERNAL:	NOAC	1	1	NRC PDR	1	1

CATEGORY 1

DOCUMENT

NOTE TO ALL "RIDS" RECIPIENTS:
PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM OWFN 5D-5(EXT. 415-2083) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 12 ENCL 12

Er-1

Pacific Gas and Electric Company

Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424
805/545-6000

January 19, 1996

PG&E Letter DCL-96-023

Mr. Roger W. Briggs, Executive Officer
California Regional Water Quality Control Board
Central Coast Region
81 Higuera Street, Suite 200
San Luis Obispo, CA 93401-5414

Dear Mr. Briggs:

Discharge Monitoring and Reporting Program
Diablo Canyon Power Plant -- NPDES No. CA0003751

In accordance with Order 90-09, NPDES No. CA0003751, enclosed is the Fourth Quarter 1995 Report on Discharge Monitoring at Diablo Canyon Power Plant.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. The results of the influent and effluent monitoring presented are the observed results of the measurements and analyses required by the monitoring program, and is neither an assertion of the adequacy of any instrument reading or analytical result, nor an endorsement of the appropriateness of any analytical or measurement procedure. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Drew Squyres at (805) 545-4439.

Sincerely,

R. P. Powers for

Warren H. Fujimoto

260037

JE23

cc: Chief, Environmental Services Division
California Department of Fish and Game
Resources Building
1416 Ninth Street
Sacramento, CA 95814

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

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

Director
U. S. Nuclear Regulatory Commission
Region IV, Field Office
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

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

Chief, Marine Resources Division
California Department of Fish and Game
Resources Building
1416 Ninth Street
Sacramento, CA 95814

Enclosure

96-023/HXR/4045

ENCLOSURE

FOURTH QUARTER 1995

REPORT ON DISCHARGE MONITORING AT DIABLO CANYON POWER PLANT

PACIFIC GAS AND ELECTRIC COMPANY

NUCLEAR POWER GENERATION

Fourth Quarter 1995

REPORT ON
DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

(NPDES No. CA0003751)

National Pollutant Discharge Elimination System

PACIFIC GAS AND ELECTRIC COMPANY

Fourth Quarter 1995

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

TABLE OF CONTENTS

OVERVIEW

A. During the fourth quarter of 1995, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001J, 001L, 001M, 001N, 001P, and 002 through 015. No discharges occurred from Discharge Paths 001I, 001K, 016, and 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1.**

B. The substances listed in Table B of the 1990 Ocean Plan were each analyzed for and reported in the permit renewal application for Diablo Canyon submitted in 1994.

There have been no changes in the activities conducted at the plant that would have significantly affected the results previously reported in the above referenced document.

C. On July 7, 1995, higher than normal Oil and Grease (O&G) concentrations were experienced from Discharge 001N, DCPP's Sanitary Wastewater Treatment System. A description of this event was included in the 1995 third quarter NPDES report for DCPP. In this description, DCPP committed to provide further information about corrective actions in the 1995 fourth quarter report.

On November 3, 1995 a meeting was held at the DCPP Biolab with Sorrel Marks of the CCRWQCB. The purpose of the meeting was to discuss the recommendations to upgrade DCPP's sewage piping to minimize the amount of O&G entering DCPP's Sanitary Wastewater Treatment System.

The following recommendations were presented:

(1) DCPP will install a grease trap on the sewer lateral that conveys cafeteria wastewater and sewage from the Administration Building; and

(2) To prevent future force main clogging, DCPP will install sewer clean-outs on the force main and implement a yearly cleaning contract.

It was agreed that the recommendations would be effective in minimizing the amount of O&G going forward into the Sanitary Wastewater Treatment System. DCPP plans to install the grease trap and at least one cleanout by the end of the first quarter of 1996, just prior to Unit 2's seventh refueling outage currently scheduled to begin April 6, 1996.

D. On July 24, 1995, a sodium hypochlorite spill of approximately 3700 gallons occurred at the Ionics Make-Up Water Treatment facility located directly east

of the power plant. A description of this event was included in the 1995 third quarter NPDES report for DCPP. In this description, DCPP committed to provide further information about corrective actions in the 1995 fourth quarter report.

The investigation has continued and the following corrective actions have been performed to prevent recurrence:

1. A team was formed to perform a review of DCPP storage and transfer of hazardous materials. Recommended enhancements in storage and transfer methods and equipment were implemented. Examples are:

   - o All transfer pumps were relocated inside of a bermed area designed to contain all of the bulk sodium hypochlorite;
   - o All transfer piping has been double lined with the containment lining directed back to the bulk storage tank; and
   - o The day tank has been eliminated.

2. Ionics has revised their procedures to provide step-by-step instructions when transferring bulk chemicals and has committed to having an operator present at all times during chemical transfers.

E. On October 1, 1995, 1150 gallons of intake cooling water (ICW) containing glutaraldehyde at a concentration of 120 mg/l and isothiazoline at an approximate concentration of 1 mg/l was drained to Discharge 001 as committed to by PG&E in a letter dated July 19, 1995 (PG&E Letter DCL-95-156) to the Central Coast Regional Water Quality Control Board (CCRWQCB). The discharge was due to routine maintenance.

F. On October 3, 1995, a higher than normal result was obtained for suspended solids discharged from NPDES Discharge 003. The concentration of suspended solids was 280 mg/l, whereas past concentrations observed from Discharge 003 in 1995 ranged from 13 mg/l to less than 1 mg/l.

Verbal notification was made to Sorrel Marks of the CCRWQCB on November 7, 1995. The CCRWQCB requested that a description of the event and any actions taken be included in this report in lieu of submitting a 5-day report.

Research into the event concluded that the cause of the high suspended solids was the dewatering of the Auxiliary Salt Water (ASW) and Circulating Water Pump (CWP) forebays which occurred on October 3, 1995 as the

result of Unit 1 entering it's seventh refueling outage. The dewatering of the forebays is part of the process required to clean out the forebays to prevent future fouling. The material that is carried out during the end of this process is non-decomposed ocean material. Future corrective actions include working with operations to ensure that the refuse sump is shutoff before material is discharged out Discharge 003 when dewatering the forebays.

While the Q2 forms for data reporting to the State of California list a monthly average limit of 30 mg/l and a daily maximum limit of 100 mg/l for Discharge 003 suspended solids, it was determined by comparison of these forms against DCPP's NPDES permit (WDR Order 90-09) that these limits were incorrect. A specific limit does not exist for suspended solids at Discharge 003. DCPP's NPDES permit states in section B part 5:

"Effluent discharged shall not violate water quality objectives contained in Chapter II, General Requirements contained in Chapter III, nor Table B Toxic Materials Limitations contained in Chapter IV of the Water Quality Control Plan for Ocean Waters of California, California Ocean Plan."

Review of Chapter II, Chapter III, and Table B revealed that a definitive limit for suspended solids from Discharge 003 does not exist per the Ocean Plan.

However, to assure that qualitative objectives contained in Chapter II and III were not violated, it was determined in early December that an inspection of the area in the ocean around Discharge 003 should be performed to determine if benthic communities or aquatic life had been degraded. Due to adverse weather conditions in December, access to the area was limited and the inspection was not performed until January.

On January 3, 1996 an inspection of the intertidal shoreline adjacent to Discharge 003 was performed by biologists at DCPP. The biologists observed no unusual differences in the surrounding intertidal areas immediately surrounding Discharge 003 and concluded that no observable effects to intertidal communities have occurred as a result of the slight increase in suspended solids discharged on October 3, 1995. The biologists also noted that due to the high mixing and dilution effects at this location, it is unlikely that the effluent would have caused any noticeable changes to the subtidal biota in the receiving waters directly offshore from the discharge.

G. On October 4, 1995 it was discovered that drainage from the debris (decomposed barnacles, kelp, and shells) cleared from the intake tunnel and disposed of near Tribar Flats was going to Diablo Creek.

Verbal notification was made to Brad Hagemann of the CCRWQCB on October 4, 1995. The CCRWQCB requested that a description of the event and any actions taken to prevent reoccurrence be included in this report in lieu of submitting a 5-day report.

To prevent possible drainage to Diablo Creek in the future, several options are being evaluated for implementation in April of 1996 (the next scheduled conduit cleaning). The first option will be to re-grade the dewatering area such that a natural flowpath is provided to the non-hazardous wastewater pond. The second option will be to re-locate the site to the east side of the nonhazardous wastewater pond (this used to be the dewatering site, however it is currently the home of a temporary pipe fabrication shop). The east side of the pond has a natural drainage pattern into the east end of the nonhazardous wastewater pond. The third and currently last option will be to completely re-site the dewatering area to a place that will discharge only "fresh" seawater through a designated NPDES discharge point.

H. On October 18, 1995, DCPP conducted flowrate testing of the Auxiliary Saltwater System (ASW) pumps. The flowrates are measured using ultrasonic flowmeters, which in turn are calibrated based upon dye dilution tests using Rhodamine dye. The maximum concentration of dye measured in the ASW system was 4 ppb. The equivalent dye concentration (based upon dilution calculations) at Discharge 001 was less than 1 ppb. The actual dye injection occurred for a total of approximately 4 hours.

PG&E provided verbal notification of the flowrate test using the Rhodamine dye to the Sorrel Marks CCRWQCB on October 12, 1995. It was agreed on this date that phone notification was sufficient to comply with this notification requirement in the NPDES permit in lieu of a written letter.

I. From 1700 on October 18, 1995 through 1300 on October 19, 1995, six chlorination/bromination cycles for Circulating Water Pump (CWP) 2-2 and one chlorination cycle for CWP 2-2 were not monitored. The monitoring was not performed due to loss of flow to the discharge chlorine monitor. Flow to the monitor was restored after flushing the lines and injections were eventually restored upon recalibration of the discharge monitor.

Verbal notification was made to Sorrell Marks of the Central Coast Regional Water Quality Control Board (CCRWQCB) on October 20, 1995. The CCRWQCB requested that a description of the event and engineering evaluation be included in this report in lieu of submitting a 5-day report.

Since the total residual chlorine (TRC) concentrations prior to and after the unmonitored cycles were within the discharge limits, and the sodium

hypochlorite and Acti-Brom pump flowrates were not changed between cycles, it is expected that the TRC concentrations at the discharge structure during the unmonitored cycle(s) were within the discharge limits. This engineering evaluation was performed in accordance with PG&E Letter DCL-94-002 as authorized by the CCRWQCB.

J. On October 21, 1995, near the end of the seventh refueling outage for DCPP Unit 1, Auxiliary Transformer (AT) 1-1 failed due to a ground fault. Plant personnel had not removed a previously installed grounding device prior to energizing a bus which caused a direct short to ground. The AT 1-1 case ruptured, releasing coolant oil. The oil which remained in the transformer ignited. The automatic fire suppression system (deluge) was activated, and the fire was completed extinguished in approximately 30 minutes. There is an oily water separator (OWS) provided on the discharge from the area surrounding this and other transformers in the Unit 1 yard.

Hazardous materials personnel responded, as well as the fire brigade, to contain oil loss from AT 1-1. The transformer oil (AT 1-1 normally contains 3,400 gallons of mineral oil), combined with fire water, was collected in the OWS leading to NPDES Discharge 009. A very small amount of oil remained in the water discharged from the OWS. This water flowed into Diablo Creek producing a sheen on water in lowflow areas of Diablo Creek, no sheen was visible in Diablo Cove. With the support of a contract disposal firm, the oil remaining in the OWS was loaded into vacuum trucks and transported offsite for disposal. The hazardous material team performed cleanup activities to remove residual oil in the yard area during the next several days.

PG&E placed oil booms and oil absorbent pads across Diablo Creek downstream of the entrance of Discharge 009 into the creek bed. Several samples were taken to measure concentrations of Oil and Grease (O&G) downstream of the last boom as well as one sample taken before the first boom and directly from Discharge 009. Of the samples taken, two of the eleven samples were higher than the allowable daily maximum of 20 mg/l. The sample concentrations were 24 mg/l and 75 mg/l. All of the results are reported in Appendix 7.

Verbal notification was made to Sorrel Marks to the CCRWQCB on October 21, 1995 and again on October 23, 1995. The CCRWQCB requested that a description of the event and any actions taken to prevent reoccurrence be included in this report in lieu of submitting a 5-day report.

This event was very significant to the plant. Consequently, an Event Investigation Team was formed to fully evaluate the root causes of this event and to formulate corrective actions to prevent recurrence. Several

enhancements to the fire fighting and hazardous materials procedures, communications, personnel training, and equipment were identified and are currently being implemented.

K. From 1000 on October 21, 1995 through 0500 on October 22, 1995, four chlorination/bromination cycles for Circulating Water Pump (CWP) 2-2 and one chlorination cycle for CWP 2-2 were not monitored. The monitoring was not performed due to loss of power to the discharge chlorine monitor as a result of the Auxiliary Transformer (AT) 1-1 failure and subsequent fire. Power to the monitor was restored after resolution of issues surrounding the AT 1-1 fire.

Verbal notification was made to Sorrell Marks of the Central Coast Regional Water Quality Control Board (CCRWQCB) on October 23, 1995. The CCRWQCB requested that a description of the event and engineering evaluation be included in this report in lieu of submitting a 5-day report.

Since the total residual chlorine (TRC) concentrations prior to and after the unmonitored cycles were within the discharge limits, and the sodium hypochlorite and Acti-Brom pump flowrates were not changed between cycles, it is expected that the TRC concentrations at the discharge structure during the unmonitored cycle(s) were within the discharge limits. This engineering evaluation was performed in accordance with PG&E Letter DCL-94-002 as authorized by the CCRWQCB.

L. On October 26, 1995, two chlorination/bromination cycles for Circulating Water Pump (CWP) 2-2 and were not monitored. The monitoring was not performed due to loss of flow to the discharge chlorine monitor as a result of biofouling. Flow to the monitor was restored after flushing the lines.

Verbal notification was made to Sorrel Marks of CCRWQCB on October 27, 1995. The CCRWQCB requested that a description of the event and engineering evaluation be included in this report in lieu of submitting a 5-day report.

Since the total residual chlorine (TRC) concentrations prior to and after the unmonitored cycles were within the discharge limits, and the sodium hypochlorite and Acti-Brom pump flowrates were not changed between cycles, it is expected that the TRC concentrations at the discharge structure during the unmonitored cycle(s) were within the discharge limits. This engineering evaluation was performed in accordance with PG&E Letter DCL-94-002 as authorized by the CCRWQCB.

M. On October 30, 1995, during an equipment inspection prior to initial operation of the kelp harvester for the day, the operator noticed a small oil

sheen on the water under the kelp harvester. The source of the oil was determined to be from a leaky hydraulic fitting on the motor. It was estimated that only a few drops (less than an ounce) of hydraulic fluid actually reached the water.

The operator immediately shut down the harvester and isolated the leaky fitting. The operator boomed the area and distributed absorbent pads to contain and collect the spill. Site hazardous waste personnel responded to the area to assist in disposal of the absorbent pads.

Verbal notification was made to Brad Hagemann of the CCRWQCB on October 30, 1995. The CCRWQCB requested that a description of the event and any actions taken to prevent reoccurrence be included in this report in lieu of submitting a 5-day report.

To prevent future incidents, a drip pan has been fabricated and installed on the kelp harvester. This pan may protect up to 50% of the potential drip locations, but it also decreases the harvester's kelp capacity by 30%. Additional modifications will be considered during the next annual inspection and maintenance of the harvester. In addition, environmentally friendly hydraulic fluid, such as biodegradable or non oil-based hydraulic fluids, are being evaluated for future use.

N. On November 26, 1995, 120 gallons of the Intake Cooling Water (ICW) system were drained out Discharge 002 instead of Discharge 001 as was committed to by PG&E in a letter dated July 19, 1995 (PG&E Letter DCL-95-156) to the CCRWQCB. In this letter, PG&E had committed to directing all future ICW drainage to Discharge 001 as new chemicals were to be added to this system as part of an effort to eliminate microbiological growth and corrosion deposits.

Verbal notification was made to Sorrel Marks of the CCRWQCB on November 29, 1995. The CCRWQCB requested that a description of the event be included in this report in lieu of submitting a 5-day report.

Personnel involved with the inadvertent discharge were counseled with regards to the use of the procedure that was in place governing the special circumstances surrounding discharges from the ICW system.

O. On December 7, 1995, the 1200 chlorine injection was directed to both the 1-1 and 2-2 conduits; thereby chlorinating both the Unit 1 and Unit 2 conduits without 30 minutes in-between each Unit's conduits as is stated in DCPP's NPDES permit.

Verbal notification was made to Sorrel Marks of CCRWQCB on December 7, 1995. The CCRWQCB requested that a description of the event be included in this report in lieu of submitting a 5-day report.

The root cause of the event was operator error. The operator inadvertently left a valve open which directed chlorine to both conduits. The operated involved was counseled with regard to proper operation of the system.

P. 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.

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the October, November, and December 1995 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 one acute bioassay on water sampled from Discharge 001, performed November 27 - December 1, 1995, are included in **Appendix 5.** The acute toxicity test results show that the toxicity was zero (no mortality occurred during the test).

3. Results from one chronic bioassay performed November 29 - December 1, 1995, on water sampled from Discharge 001 are included in **Appendix 6.** The chronic toxicity results show that the toxicity was 3.13. The calculated effluent concentration limit from Chapter IV, Section A of the 1990 California Ocean Plan is 5.11. Since the measured toxicity (3.13) is below this limit, DCPP is in compliance with the 1990 California Ocean Plan.

4. Listed below are the detection limits used for plant effluent analyses performed during the quarter:

Parameter	Detection Limit	
Oil and Grease	3	mg/l
Total Residual Chlorine	0.020	mg/l*
Suspended Solids	1	mg/l
Settleable Solids	0.1	mg/l
Ammonia (N)	0.041	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 fourth quarter continued under the Diablo Canyon Environmental Monitoring Program (EMP). This program was initiated on July 1, 1995 as required in the revised Monitoring and Reporting Program and replaces the Thermal Effects Monitoring Program (TEMP). Results of the EMP will be reported in separate biannual reports two months after summer and winter surveys.

2. 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

Diablo Canyon Power Plant is continuing its use of the proprietary chemical Acti-Brom to control the growth of macrofouling organisms in two of its four main circulating water conduits. Each of the treated conduits receives six injections of Acti-Brom, in combination with sodium hypochlorite (NaOCl), per day (one every four hours). The injections are twenty minutes in duration, with a nominal concentration of 200 parts per billion Total Residual Oxidant (TRO) measured at the condenser inlet waterbox. Discharge TRO, measured at the plant outfall, is considerably lower, approximately 30 ppb or less, due to the dilution effects and additional chlorine demand of the discharge from the other conduits.

At the beginning of this quarter, only Unit 2's 2-1 conduit was receiving Acti-Brom treatment. Unit 1 was shutdown on September 30th for its seventh refueling outage (1R7). Treatment of the 1-1 conduit had been discontinued on September 5th in anticipation of the start of the 1R7. Unit 1 went back on line in late November. Acti-Brom treatment of the 1-1 conduit was initiated on November 22nd. This conduit will continue to be treated throughout the first quarter of 1996. Treatment of the 2-1 conduit will be discontinued two to four

weeks prior to the start of the 2R7 refueling outage. The 2R7 outage has, tentatively, been scheduled to begin on April 6, 1996.

APPENDIX 1

DIABLO CANYON POWER PLANT

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

APPENDIX 2

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

October 1995

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (***)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
*	*	*	*	*	*	*	*	*
1	54.3	55.0	0.7	964				
2	54.4	56.4	2.0	1296				
3	55.7	62.2	6.5	1298	8.0	8.0	8.0	2 8.0
4	55.5	64.5	9.0	1298				
5	56.2	73.1	16.9	1297				
6	57.5	75.6	18.1	1302				
7	57.9	76.1	18.2	1299				
8	58.4	76.7	18.3	1295				
9	58.3	76.7	18.4	1294				
10	58.8	77.5	18.7	1297				
11	60.1	78.5	18.4	1297				
12	59.8	78.2	18.4	1297				
13	59.3	77.8	18.5	1298				
14	59.5	78.2	18.7	1298				
15	59.0	77.5	18.5	1297				
16	58.7	77.2	18.5	1298				
17	56.7	75.3	18.6	1298				
18	58.7	77.2	18.5	1295				
19	60.1	78.5	18.4	1298				
20	58.6	77.3	18.7	1287				
21	56.8	75.3	18.5	1274				
22	57.0	75.4	18.4	1253				
23	58.2	76.7	18.5	1206				
24	57.5	76.3	18.8	1300				
25	57.9	76.3	18.4	1295				
26	57.5	76.0	18.5	1296				
27	57.1	75.7	18.6	1298				
28	57.9	76.4	18.5	1298				
29	58.0	76.4	18.4	1349				
30	58.2	76.7	18.5	1294				
31	58.3	76.8	18.5	1302				
MONTHLY AVG	57.8	74.4	16.6	1283	8.0	8.0	8.0	8.0
MONTHLY HIGH	60.1	78.5	18.8	1349	8.0	8.0	8.0	8.0
MONTHLY LOW	54.3	55.0	0.7	964	8.0	8.0	8.0	8.0
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0 (**)	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 2

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/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								
2								
3	7.8	8.0					3 22	86
4							7 24	252
5			< 5				7 21	244
6							7 27	244
7							6 29	158
8							6 26	158
9							7 23	244
10			< 5				7 20	249
11							7 70	273
12							7 20	288
13							6 22	254
14							6 20	202
15							6 20	202
16							7 20	288
17							7 20	288
18							4 20	288
19			< 5					220
20							7 24	288
21							3 29	202
22							3 36	134
23							7 21	288
24							7 20	288
25			9			< 3	7 21	288
26							7 26	288
27							5 32	288
28							6 28	202
29							6 22	202
30							5 30	185
31							6 20	202
MONTHLY AVG	7.8	8.0	6	No Discharge	No Discharge	< 3	25	234
MONTHLY HIGH	7.8	8.0	9			< 3	70	288
MONTHLY LOW	7.8	8.0	< 5			< 3	20	86
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
Heather Ramsey	1-16-96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Romney	1-16-96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 4

FACILITY I.D.		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING 95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS mg/l 1st FLTR	EFFLUENT 001G SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	EFFLUENT 001G SUSPENDED SOLIDS mg/l NET	EFFLUENT 001H SUSPENDED SOLIDS mg/l 1st FLTR	EFFLUENT 001H SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	EFFLUENT 001H SUSPENDED SOLIDS mg/l NET		
	*	*	*	*	*	*	*	*
1				4	4	< 1		
2								
3	19	18	1					
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			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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 5

FACILITY I.D.		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING 95 / 10 / 31	06	CA0003751

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

MONTHLY AVG			No Discharge			< 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 Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR	* mg/l 2nd FLTR GRAB MONTHLY	* mg/l NET	*	EFFLUENT 001L SUSPENDED SOLIDS mg/l 1st FLTR	* mg/l 2nd FLTR GRAB MONTHLY	* mg/l NET	*
1					< 1	< 1	< 1	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24					< 1	< 1	< 1	
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			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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR GRAB MONTHLY	*	mg/l NET	EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	*	EFFLUENT 001P SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR GRAB MONTHLY	*	mg/l NET
1												
2												
3								< 1		< 1		< 1
4												
5						17						
6												
7												
8												
9												
10						19						
11												
12												
13												
14												
15												
16												
17												
18												
19						12						
20												
21												
22												
23												
24												
25						9						
26	8		2		6							
27												
28												
29												
30												
31												
MONTHLY AVG					6	14						< 1
MONTHLY HIGH					6	19						< 1
MONTHLY LOW					6	9						< 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
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR		mg/l 2nd FLTR		mg/l NET		EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR		mg/l 2nd FLTR		mg/l NET	
	GRAB MONTHLY		GRAB MONTHLY				GRAB MONTHLY		GRAB MONTHLY			
	*		*		*		*		*		*	
1												
2												
3	2	12	2	11	2	1		296		16		280
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						1						280
MONTHLY HIGH						1						280
MONTHLY LOW					<	1						280
TIMES EXCEEDED		NO LIMIT		NO LIMIT		MO AVG 30 = 0		NO LIMIT		NO LIMIT		**
TIMES EXCEEDED						D MAX 100 = 0						
TIMES EXCEEDED												

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** See Chapter II, Chapter III, and Table B of the 1990 California Ocean Plan for limits.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR mg/l NET GRAB WEEKLY WHEN 001N & 001P => 003					EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY
	*		*		*	*	*	*	*	*
1										
2										
3										
4										
5						< 0.1				
6										
7										
8										
9										
10						< 0.1				
11										
12							< 5	< 3	< 3	3
13										
14										
15										
16										
17										
18										
19						< 0.1				
20										
21										
22										
23										
24										
25						< 0.1				
26										
27										
28										
29										
30										
31										
MONTHLY AVG				No Discharge		< 0.1	< 5	< 3	< 3	3
MONTHLY HIGH						< 0.1	< 5	< 3	< 3	3
MONTHLY LOW						< 0.1	< 5	< 3	< 3	3
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 =
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
Heather Ramsey	1.16.96

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 95 / 10 / 01 | ENDING YEAR / MO / DAY 95 / 10 / 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															<	3
2																
3															<	3
4																
5																
6																
7							<	82	<	82	<	3				
8																
9																
10																
11																
12	<	.5	<	3	<	3										
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
MONTHLY AVG	<	5	<	3	<	3	<	82	<	82	<	3	<	3	<	3
MONTHLY HIGH	<	5	<	3	<	3	<	82	<	82	<	3	<	3	<	3
MONTHLY LOW	<	5	<	3	<	3	<	82	<	82	<	3	<	3	<	3
TIMES EXCEEDED	NO LIMIT		NO LIMIT		NO LIMIT		NO LIMIT		6M-MEAN 3060 = 0 D MAX 12240 = 0 I MAX 30600 = 0		MO AVG 15 = 0 D MAX 20 = 0		MO AVG 15 = 0 D MAX 20 = 0		MO AVG 15 = 0 D MAX 20 = 0	
TIMES EXCEEDED																
TIMES EXCEEDED																

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Rumsey	1-16-96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D. 3 402003001 | BEGINNING YEAR / MO / DAY 95 / 10 / 01 | ENDING YEAR / MO / DAY 95 / 10 / 31 | STATE CODE 06 | NPDES PERMIT # CA0003751

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

REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1-16-96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	•	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	•	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT
1											
2											
3	< 3										
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19					< 62	2	< 62	2	< 62		< 62
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
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.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D. 3 402003001 | BEGINNING YEAR / MO / DAY 95 / 10 / 01 | ENDING YEAR / MO / DAY 95 / 10 / 31 | STATE CODE 06 | NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19		< 15	2	53	2	< 15		32	22	2	44	2	< 10	69
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MONTHLY AVG		< 15		53		< 15		32	22		44		< 10	69
MONTHLY HIGH		< 15		64		< 15		32	22		44		< 10	69
MONTHLY LOW		< 15		41		< 15		32	22		44		< 10	69
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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 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
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19	10	2	286	2	< 7	86		0.50	2	< 0.20	2	< 0.20		< 0.20
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MONTHLY AVG	10		286	<	7	86		0.50	<	0.20	<	0.20	<	0.20
MONTHLY HIGH	10		296	<	7	86		0.50	<	0.20	<	0.20	<	0.20
MONTHLY LOW	10		276	<	7	86		0.50	<	0.20	<	0.20	<	0.20
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 Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 6

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	•	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	•	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19	90	2	798	2	< 19		185		< 11	2	< 11	2	< 11		< 11
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
MONTHLY AVG	90		798		< 19		185		< 11		< 11		< 11		< 11
MONTHLY HIGH	90		812		< 19		185		< 11		< 11		< 11		< 11
MONTHLY LOW	90		784		< 19		185		< 11		< 11		< 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
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 7

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	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
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19	262	2	18	2	< 9		212
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG	262		18		< 9		212
MONTHLY HIGH	262		23		< 9		212
MONTHLY LOW	262		13		< 9		212
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
Heather Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 8

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 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	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
MONTHLY AVG	No Discharge		No Discharge		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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY ID.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG		EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG		EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG		EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG		EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
	*		*		*		*		*	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
MONTHLY AVG		No Discharge		No Discharge		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 Ramsey	1.16.96

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
[illegible] HIGUERA
[illegible] LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 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
	*		*		*		*		*		*		*	*
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12		< 50		< 5		< 5		< 5		< 5		< 5	12	10
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
MONTHLY AVG		< 50		< 5		< 5		< 5		< 5		< 5	12	10
MONTHLY HIGH		< 50		< 5		< 5		< 5		< 5		< 5	12	10
MONTHLY LOW		< 50		< 5		< 5		< 5		< 5		< 5	12	10
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.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 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	< 0.20	< 0.20	< 5	< 5	< 5	< 5	< 10	< 10
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	< 0.20	< 0.20	< 5	< 5	< 5	< 5	< 10	< 10
MONTHLY HIGH	< 0.20	< 0.20	< 5	< 5	< 5	< 5	< 10	< 10
MONTHLY LOW	< 0.20	< 0.20	< 5	< 5	< 5	< 5	< 10	< 10
TIMES EXCEEDED	No Limit	6M - MEAN 0.2=0	No Limit	6M - MEAN 2.9 = 0	No Limit	6M - MEAN 30 - 0	No Limit	6M - MEAN 150 = 0
TIMES EXCEEDED		D MAX 0.8 = 0		DMAX13.6-0		DMAX100-0		D MAX 610 = 0
TIMES EXCEEDED		I MAX 2 = 0		IMAX 35- 0		I MAX 260=0		IMAX 1530 = 0

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	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 3

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	*	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	*	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	*	EFFLUENT 001D BORON mg/l GRAB OCTOBER	*	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	*	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	*	EFFLUENT 006 OIL & GREASE mg/l GRAB OCTOBER
1													
2													
3													
4													
5													
6													
7													
8													
9					1.14		2546		0.80				
10													
11													
12	< .10		< 10										
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MONTHLY AVG	< 10		< 10		1.14		2546		0.80		No Discharge		No Discharge
MONTHLY HIGH	< 10		< 10		1.14		2546		0.80				
MONTHLY LOW	< 10		< 10		1.14		2546		0.80				
TIMES EXCEEDED	No Limit		6M-MEAN 10 = 0 DMAX 20 = 0 IMAX 50 = 0		No Limit		No Limit		No Limit		MO AVG 15 = 0 DMAX20=0		MO AVG 15 = 0 DMAX20=0
TIMES EXCEEDED													
TIMES EXCEEDED													

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 4

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER
•	•	•	•	•	•	•	•
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12						< 1	< 1
13							
14							
15							
16							
17							
18							
19							
20							
21	75						
22							
23							
24							
25							
26							
27							
28							
29							
30							
31	< 3						
MONTHLY AVG	39	No Discharge	No Discharge	No Discharge	No Discharge	< 1	< 1
MONTHLY HIGH	75					< 1	< 1
MONTHLY LOW	< 3					< 1	< 1
TIMES EXCEEDED	MO AVG 15 = 1	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	No Limit	No Limit
TIMES EXCEEDED	DMAX20=1	DMAX20=0	DMAX20=0	DMAX20=0	DMAX20=0		
TIMES EXCEEDED							

REMARKS: • NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Rumsey	1.16.96

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
[illegible]1 HIGUERA
[illegible]N LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 5

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

EFFLUENT 001N SLUDGE
GRAB
OCTOBER

STATION ANALYSIS UNITS SMPL TYPE FREQ.	MOISTURE %	*	TOT K.JLDL N mg/kg	*	AMMONIA (N) mg/kg	*	NITRATE (N) mg/kg	*	TOT PHOSPHS mg/kg	*	pH pH UNITS	*	OIL & GREASE mg/kg	*	BORON mg/kg
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	100		320		70		< 0.4		93		7		44		0.7
26															
27															
28															
29															
30															
31															
MONTHLY AVG	100		320		70		< 0.4		93		7		44		0.7
MONTHLY HIGH	100		320		70		< 0.4		93		7		44		0.7
MONTHLY LOW	100		320		70		< 0.4		93		7		44		0.7
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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 10 / 01	ENDING	95 / 10 / 31	06	CA0003751

EFFLUENT 001N SLUDGE

STATION ANALYSIS UNITS SMPL TYPE FREQ.	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								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25	0.01	1	0.03	< 0.05	0.07	1.2	2.4	
26								
27								
28								
29								
30								
31								
MONTHLY AVG	0.01	1	0.03	< 0.05	0.07	1.2	2.4	
MONTHLY HIGH	0.01	1	0.03	< 0.05	0.07	1.2	2.4	
MONTHLY LOW	0.01	1	0.03	< 0.05	0.07	1.2	2.4	
TIMES EXCEEDED	10 X STLC- 10 MG/KG =0 TTLC>100=0	10 X STLC- 250 MG/KG =0 TTLC>2500=0	10 X STLC- 50 MG/KG =0 TTLC>500=0	10 X STLC- 50 MG/KG =0 TTLC>1000=0	10 X STLC- 200 MG/KG=0 TTLC>2000=0	10 X STLC- 2 MG/KG=0 TTLC>20=0	10 X STLC- 2500 MG/KG=0 TTLC>5000=0	
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

PG&E	CHEMISTRY SAMPLE DATA TABULAR REPORT	DCPP

Unit: 0 NPDES
001 EFFLUENT CHLORINATION

From: 10/01/95 0:01
Through: 10/31/95 23:59

Parameter: High Limit: Low Limit: Sample Time:	CWP 1-1 Peak Cl2 ppb	CWP 1-2 Peak Cl2 ppb	CWP 2-1 Peak Cl2 ppb	CWP 2-2 Peak Cl2 0 ppb	Injection Rate 5.0 0.0 gpm	lbs of chlorine used lbs		
10/04/95 10:00				<20	2.4	86		
10/05/95 10:00				<20	2.4	86		
10/06/95 10:00				<20	2.4	86		
10/09/95 10:00				<20	2.4	86		
10/10/95 10:00				<20	2.4	86		
10/11/95 10:00				<20	2.4	86		
10/12/95 10:00				<20	2.4	86		
10/13/95 10:00				31	2.4	86		
10/16/95 10:00				<20	2.4	86		
10/17/95 10:00				<20	2.4	86		
10/18/95 10:00				<20	2.4	86		
10/19/95 10:00					2.4	86		
10/20/95 10:00				<20	2.4	86		
10/23/95 10:00				<20	2.4	86		
10/24/95 10:00				<20	2.4	86		
10/25/95 10:00				<20	2.4	86		
10/26/95 10:00				<20	2.4	86		
10/27/95 10:00				<20	2.4	86		
10/30/95 10:00				78	2.4	17		

1/17/96 8:45	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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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.

CWP 2-2 was treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWP 2-1 was 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 2-1 CWP

From: 10/01/95 0:01
Through: 10/31/95 23:59

Parameter: / High Limit: / Low Limit: / Sample Time:	0100 PEAK ppb	0500 PEAK ppb	0900 PEAK ppb	1300 PEAK ppb	1700 PEAK ppb	2100 PEAK ppb		
10/03/95 1:00				<20	21	26		
10/04/95 1:00	31	31	26	<20	<20	<20		
10/05/95 1:00	<20	<20	<20	<20	<20	26		
10/06/95 1:00	31	26	29	21	31	31		
10/07/95 1:00	31	31	34	29	26	20		
10/08/95 1:00	31	29	23	23	26	26		
10/09/95 1:00	25	27	27	<20	21	21		
10/10/95 1:00	20	20	<20	<20	<20	<20		
10/11/95 1:00	75	75	75	80	80	85		
10/12/95 1:00	<20	<20	<20	<20	<20	<20		
10/13/95 1:00	<20	<20	20	<20		<20		
10/14/95 1:00	<20	<20	<20	<20	<20	<20		
10/15/95 1:00	<20	<20	<20	<20	<20	<20		
10/16/95 1:00	<20	<20	<20	<20	<20	<20		
10/17/95 1:00	<20	<20	<20	<20	<20	<20		
10/18/95 1:00	20	20	20					
10/20/95 1:00	26	26	26	20	21	26		
10/21/95 1:00	27	31	29					
10/22/95 1:00		50	33			24		
10/23/95 1:00	25	23	<20	<20	21	21		
10/24/95 1:00	<20	21	21	<20	20	20		
10/25/95 1:00	20	20	20	<20	21	24		
10/26/95 1:00	26	26	20	30	32	30		
10/27/95 1:00			36	31	37	37		
10/28/95 1:00	37	26	24	26	26	28		
10/29/95 1:00	28	22	<20	<20	21	23		

1/17/96 · 8:46 | 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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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.

CWP 2-2 was treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWP 2-1 was 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 2-1 CWP

From: 10/01/95 0:01
Through: 10/31/95 23:59

Parameter: / High Limit: / Low Limit: / Sample Time:	0100 PEAK ppb	0500 PEAK ppb	0900 PEAK ppb	1300 PEAK ppb	1700 PEAK ppb	2100 PEAK ppb		
10/30/95 1:00	24	<20	<20		<20	<20		
10/31/95 1:00	20	<20	20	<20	<20	<20		

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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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.

CWP 2-2 was treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWP 2-1 was treated using 30 minute injections. The limit for a 30 minute injection is 75 ppb TRC.

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

Rev. 1/95

ECO Resources Inc. 39899 Balentine Drive Suite 200 Newark, CA 94560	Pacific Gas & Electric Company Contacts: Joseph Higgins (805) 545-4103 Heather Rumsey (805) 545-4045

PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULTS
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil and Grease	mg/l	Weekly	15	20	10-5	11:42	< 5mg/L Ave of 3
2	"	"	"	"	10-10	12:47	< 5mg/L "
3	"	"	"	"	10-19	1:11	< 5mg/L "
4	"	"	"	"	10-25	9:33	8.7mg/L "
5	"	"	"	"			
1. Suspended Solids	mg/l	Weekly	60	N/A	10-5	11:10	17 mg/L
2	"	"	"	"	10-10	12:25	19 mg/L
3	"	"	"	"	10-19	1:01	12 mg/L
4	"	"	"	"	10-25	9:13	9 mg/L
5	"	"	"	"			
1. Settleable Solids	ml/l	Weekly	1.0	3.0	10-5	11:16	< 0.1ml/L
2	"	"	"	"	10-10	12:30	< 0.1ml/L
3	"	"	"	"	10-19	9:13	< 0.1ml/L
4	"	"	"	"	10-25	9:18	< 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 lab.

COMMENTS: _____

SLUDGE DISPOSAL DATA			
MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
October		45580 lbs.	Santa Maria WWTP

Data Sheet completed by: J m Wyong Date: November 7th, 1995

TOTAL P.02

PACIFIC GAS & ELECTRIC - DIABLO CANYON POWER PLANT
SANITARY WASTEWATER TREATMENT SYSTEM
CONTRACT #Z78-2104-86 REV 11/93

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

Sample Date/Time: 10-25-95 11:40AM Sampled By: Jim Wysong

Laboratory Performing Analysis: PACE, Inc.

CONSTITUENT	UNITS	LIMITS		RESULTS	CHECK BOX IF 10 X STLC IS EXCEEDED
		10 X STLC	TTLC		
MOISTURE CONTENT	%	—	—	100 %	—
TOTAL KJELDAHL NITROGEN	mg/kg	—	—	320 mg/L	
AMMONIA (as N)	mg/kg	—	—	70 mg/L	—
NITRATE (as N)	mg/kg	—	—	<0.4 mg/kg	—
TOTAL PHOSPORUS	mg/kg	—	—	93 mg/L	—
pH	—	—	—	6.7 units	—
OIL & GREASE	mg/kg	—	—	44 mg/kg	—
BORON	mg/kg	—	—	0.7 mg/L	—
CADMIUM	mg/kg	10 mg/l	100	0.01 mg/L	
COPPER	mg/kg	250 mg/l	2500	1.1 mg/L	
CHROMIUM	mg/kg	50 mg/l	500	0.03 mg/L	
LEAD	mg/kg	50 mg/l	1000	<0.05 mg/L	
NICKEL	mg/kg	200 mg/l	2000	0.07 mg/L	
MERCURY	mg/kg	2 mg/l	20	1.2 mg/kg	
ZINC	mg/kg	2500 mg/l	5000	2.4 mg/L	

Initial analysis shall be for Total Concentration (mg/kg).
Results higher than ten times the Soluble Threshold Limit Concentration (STLC) Limit, require the Waste Extraction Test (WET), described in the California Code of Regulations, Title 22, Division 4, Section 66700, to be performed on constituents that exceed the limit. The results of the WET shall be reported below in mg/l:

Data Sheet Completed By: Jim Wysong Date: 12-5-95

TOTAL P.02

APPENDIX 3

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

November 1995

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 1

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (***)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
*	*	*	*	*	*	*	*	*
1	58.9	77.3	18.4	1298				
2	58.7	77.1	18.4	1295				
3	58.8	77.2	18.4	1299				
4	58.9	77.4	18.5	1297	8.0	8.0		
5	58.8	77.4	18.6	1297				
6	58.9	77.4	18.5	1298				
7	59.4	77.8	18.4	1297				
8	59.3	77.9	18.6	1299				
9	58.7	77.2	18.5	1295			2	8.1
10	58.0	76.7	18.7	1297				
11	58.1	76.8	18.7	1279			7.8	
12	58.8	77.3	18.5	1279				
13	59.5	77.9	18.4	1279				
14	59.7	77.8	18.1	1279				
15	58.2	77.0	18.8	1297				
16	58.4	71.8	13.4	1788				
17	58.7	71.1	12.4	1931				
18	58.8	73.3	14.5	1978				
19	58.5	73.0	14.5	1936				
20	59.1	72.4	13.3	1928				
21	58.8	71.2	12.4	1932				
22	58.4	69.5	11.1	2159				
23	58.8	68.6	9.8	2564				
24	59.0	68.8	9.8	2561				
25	58.7	69.4	10.7	2543				
26	58.3	66.1	7.8	2546				
27	57.0	69.8	12.8	2563				
28	56.8	70.8	14.0	2561				
29	56.7	66.8	10.1	2564				
30	57.0	67.9	10.9	2559				
31								
MONTHLY AVG	58.5	73.7	15.2	1783	8.0	8.0	7.8	8.1
MONTHLY HIGH	59.7	77.9	18.8	2564	8.0	8.0	7.8	8.1
MONTHLY LOW	56.7	66.1	7.8	1279	8.0	8.0	7.8	8.1
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0 (**)	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 2

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	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							7 20	288
2							3 20	101
3			8				3 20	153
4							6 20	202
5							6 20	202
6							7 20	288
7							7 20	288
8							7 20	288
9	8.1	8.0	< 3			< 3	7 20	288
10							7 20	288
11							6 20	202
12							6 20	202
13							5 20	220
14							5 20	168
15			< 3				6 20	202
16							6 21	202
17							6 15	254
18							6 13	202
19							6 13	202
20							7 13	288
21							8 23	375
22			< 3				10 18	442
23							14 18	577
24							14 17	577
25							12 14	404
26							12 19	404
27							14 19	577
28							13 19	490
29							14 20	577
30			< 3				14 17	577
31								
MONTHLY AVG	8.1	8.0	4	No Discharge	No Discharge	< 3	19	318
MONTHLY HIGH	8.1	8.0	8			< 3	23	577
MONTHLY LOW	8.1	8.0	< 3			< 3	13	101
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
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	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	*	EFFLUENT 001D SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	EFFLUENT 001D SUSPENDED SOLIDS mg/l NET	*	EFFLUENT 001F SUSPENDED SOLIDS mg/l 1st FLTR	*	EFFLUENT 001F SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	EFFLUENT 001F SUSPENDED SOLIDS mg/l NET
1															
2					1		< 1		1						
3															
4															
5															
6															
7															
8															
9											5		< 1		5
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
MONTHLY AVG	No Discharge		No Discharge						1						5
MONTHLY HIGH									1						5
MONTHLY LOW									1						5
TIMES EXCEEDED	80% SMPLS>1K		MEAN>200 =		NO LIMIT		NO LIMIT		MO AVG 30 = 0		NO LIMIT		NO LIMIT		MO AVG 30 = 0
TIMES EXCEEDED			90 % SMPLS>400						D MAX 100 = 0						D MAX 100 = 0
TIMES EXCEEDED	1 MAX >10K														

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Romsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR	*	mg/l NET	*	EFFLUENT 001H SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR	*	mg/l NET	*		*	
			GRAB MONTHLY						GRAB MONTHLY						
1															
2							3		< 1		3				
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19	< 1		< 1		< 1										
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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR	•	mg/l 2nd FLTR	•	mg/l NET	•	EFFLUENT 001J SUSPENDED SOLIDS mg/l 1st FLTR	•	mg/l 2nd FLTR	•	mg/l NET	•
	GRAB MONTHLY		GRAB MONTHLY				GRAB MONTHLY					
1												
2												
3												
4												
5												
6												
7												
8												
9							< 1		< 1		< 1	
10												
11							< 1		< 1		< 1	
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 Ramsey	1-16-96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 11 / 01	ENDING	95 / 11 / 30	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR	* mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	*	EFFLUENT 001L SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	*
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14					< 1		< 1	< 1	
15									
16									
17									
18									
19					< 1		< 1	< 1	
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			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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS mg/l 1st FLTR	•	EFFLUENT 001M SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	•	EFFLUENT 001M SUSPENDED SOLIDS mg/l NET	•	EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	•	EFFLUENT 001P SUSPENDED SOLIDS mg/l 1st FLTR	•	EFFLUENT 001P SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	•	EFFLUENT 001P SUSPENDED SOLIDS mg/l NET
1													
2													
3							14						
4													
5													
6													
7													
8													
9							16						
10													
11									11		11		< 1
12													
13													
14													
15							13						
16													
17													
18													
19		20		< 1		20							
20													
21													
22							40						
23													
24													
25													
26													
27													
28													
29													
30													
31													
MONTHLY AVG						20		21				< 1	
MONTHLY HIGH						20		40				< 1	
MONTHLY LOW						20		14				< 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
Heather Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 8

FACILITY I.D.		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING 95 / 11 / 30	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR	*	EFFLUENT 002 SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	EFFLUENT 002 SUSPENDED SOLIDS mg/l NET	*	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR	*	EFFLUENT 003 SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	EFFLUENT 003 SUSPENDED SOLIDS mg/l NET	
1												
2												
3												
4												
5												
6												
7												
8												
9	6	2	5	2	1	6	6		< 1			
10												
11												
12												
13												
14												
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		**	
TIMES EXCEEDED					D MAX 100 = 0							
TIMES EXCEEDED												

REMARKS:
* NUMBER OF SAMPLES TAKEN DURING THE DAY.
** See Chapter II, Chapter III, and Table B of the 1990 California Ocean Plan for limits.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D. 3 402003001 | BEGINNING YEAR / MO / DAY 95/ 11 /01 | ENDING YEAR / MO / DAY 95 / 11 / 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 mg/l NET GRAB WEEKLY WHEN 001N & 001P => 003	EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY
	*	*	*	*	*	*
1						
2						
3		< 0.1				
4			< 5	< 3	< 3	3
5						
6						
7						
8						
9		0.2				
10						
11						
12						
13						
14						
15		< 0.1				
16						
17						
18						
19						
20						
21						
22		< 0.1				
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	No Discharge	0.1	< 5	< 3	< 3	3
MONTHLY HIGH		0.2	< 5	< 3	< 3	3
MONTHLY LOW		< 0.1	< 5	< 3	< 3	3
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 =
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
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
*	*	*	*	*	*	*	*	*
1								
2								
3								
4	< 5	< 3	< 3					
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					
MONTHLY HIGH	< 5	< 3	< 3					
MONTHLY LOW	< 5	< 3	< 3					
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MEAN 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED					I MAX 30600 = 0			

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 2

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	06	CA0003751

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (Q) 3

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 30	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	*	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	*	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	*	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	*	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	
1													
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		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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 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	*
1																
2																
3																
4																
5															(**) 5	
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
MONTHLY AVG															5	
MONTHLY HIGH															5	
MONTHLY LOW															5	
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.
ALL OTHER ANNUAL ANALYSIS WILL BE PERFORMED IN OCTOBER

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

FACILITY I.D. 3 402003001 | BEGINNING YEAR / MO / DAY 95/ 11 /01 | ENDING YEAR / MO / DAY 95 / 11 / 30 | STATE CODE 06 | NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 006 OIL & GREASE mg/l GRAB OCTOBER
*	*	*	*	*	*	*	*
1						3	< 3
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						3	< 3
MONTHLY HIGH						3	< 3
MONTHLY LOW						3	< 3
TIMES EXCEEDED						MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED						DMAX 20 = 0	DMAX 20 = 0
TIMES EXCEEDED							

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 4

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95/ 11 /01	ENDING	95 / 11 / 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	< 3		< 3		< 3									
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	< 3		< 3		< 3		No Discharge		No Discharge					
MONTHLY HIGH	< 3		< 3		< 3									
MONTHLY LOW	< 3		< 3		< 3									
TIMES EXCEEDED	MO AVG 15 = 0		MO AVG 15 = 0		MO AVG 15 = 0									
TIMES EXCEEDED	DMAX 20 = 0		DMAX 20 = 0		DMAX 20 = 0									
TIMES EXCEEDED														

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Rumsey	1.16.96

PG&E	CHEMISTRY SAMPLE DATA TABULAR REPORT	DCPP

Unit: 0 NPDES
001 EFFLUENT CHLORINATION

From: 11/01/95 0:01
Through: 11/30/95 23:59

Parameter:	CWP 1-1 Peak Cl2	CWP 1-2 Peak Cl2	CWP 2-1 Peak Cl2	CWP 2-2 Peak Cl2	Injection Rate	lbs of chlorine used		
High Limit:					5.0			
Low Limit:				0	0.0			
Sample Time:	ppb	ppb	ppb	ppb	gpm	lbs		
11/01/95 10:00				<20	2.4	86		
11/03/95 10:00				<20	2.4	86		
11/06/95 10:00				<20	2.4	86		
11/07/95 10:00				<20	2.4	86		
11/08/95 10:00				<20	2.4	86		
11/09/95 10:00				<20	2.4	86		
11/10/95 10:00				<20	2.4	86		
11/13/95 10:00				<20	2.4	86		
11/17/95 10:00				<13	2.4	86		
11/20/95 10:00		<13			2.4	86		
11/21/95 10:00		<7		<13	2.4	173		
11/22/95 10:00		8		<13	2.4	173		
11/23/95 10:00		<10		<10	2.4	173		
11/24/95 10:00		<10		<10	2.4	173		
11/27/95 10:00		<10		<10	2.4	173		
11/28/95 11:00				<10	2.4	86		
11/29/95 10:00		<10		<10	2.4	173		
11/30/95 10:00		<10		<10	2.4	173		

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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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 were treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWPs 1-1 and 2-1 were 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 1-1 CWP

From: 11/01/95 0:01
Through: 11/30/95 23:59

Parameter:	0000 Cl2 P eak	0400 Cl2 P eak	0800 Cl2 P eak	1200 Cl2 P eak	1600 Cl2 P eak	2000 Cl2 P eak		
High Limit:	89	89	89	89	89	89		
Low Limit:	0	0	0	0	0	0		
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		
11/22/95 0:01					39	39		
11/23/95 0:01	36	30	23	30	21	36		
11/24/95 0:01	36	30	25	21	25	21		
11/25/95 0:01	12	18	10	10	25	36		
11/26/95 0:01	30	30	25	21	30	28		
11/27/95 0:01	30	30	30	30	30	33		
11/28/95 0:01	33	30	21	23	23	25		
11/29/95 0:01	36	33	25	25	25	26		
11/30/95 0:01	30	21	25	23	28	28		

PG&E	CHEMISTRY SAMPLE DATA TABULAR REPORT	DCPP

Unit: 0 NPDES
CHLORINATION/BROMINATION 2-1 CWP

From: 11/01/95 0:01
Through: 11/30/95 23:59

Parameter: / High Limit: / Low Limit: / Sample Time:	0100 PEAK ppb	0500 PEAK ppb	0900 PEAK ppb	1300 PEAK ppb	1700 PEAK ppb	2100 PEAK ppb		
11/01/95 1:00	<20	<20	<20	<20	<20	<20		
11/02/95 1:00	<20	<20	<20					
11/03/95 17:00					<20	<20		
11/04/95 1:00	<20	<20	<20	<20	<20	<20		
11/05/95 1:00	<20	<20	<20	<20	<20	<20		
11/06/95 1:00	<20	<20	<20	<20	<20	<20		
11/07/95 1:00	<20	<20	<20	<20	<20	<20		
11/08/95 1:00	<20	<20	<20	<20	<20	<20		
11/09/95 1:00	<20	<20	<20	<20	<20	<20		
11/10/95 1:00	20	<20	<20	<20	<20	<20		
11/11/95 1:00	<20	<20	<20	<20	<20	<20		
11/12/95 1:00	<20	<20	<20	<20	<20	<20		
11/13/95 1:00	<20		<20	<20	<20			
11/14/95 1:00		20	<20	<20	<20	<20		
11/15/95 1:00	<20	<20	<20	<20	20	20		
11/16/95 1:00	26	<20	<20	<20	<20	<20		
11/17/95 1:00	<20	<20		<13	<13	<13		
11/18/95 1:00	<13	<13	<13	<13	<13	<13		
11/19/95 1:00	<13	<13	<13	<13	<13	<13		
11/20/95 1:00	<13	<13	<13	<13	<13	<13		
11/21/95 1:00	<20	<20	<20	76	<13	<13		
11/22/95 1:00	<13	<13	<13	<13	13	13		
11/23/95 1:00	10	<10	<10	<10	<10	<10		
11/24/95 1:00	<10	<10	<10	<10	<10	<10		
11/25/95 1:00	<10	<10	<10	<10	<10	<10		
11/26/95 1:00	<10	<10	<10	<10	<10	<10		

1/17/96 8:51	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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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 were treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWPs 1-1 and 2-1 were 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 2-1 CWP

From: 11/01/95 0:01
Through: 11/30/95 23:59

Parameter: / High Limit: / Low Limit: / Sample Time:	0100 PEAK ppb	0500 PEAK ppb	0900 PEAK ppb	1300 PEAK ppb	1700 PEAK ppb	2100 PEAK ppb		
11/27/95 1:00	<10	<10	<10	<10	<10	10		
11/28/95 1:00	<10	<10	12	13	13	19		
11/29/95 1:00	19	16	13	15	15	12		
11/30/95 1:00	15	10	10	<10	10	12		

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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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 were treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

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

PACIFIC GAS AND ELECTRIC - DIABLO CANYON POWER PLANT
SANITARY WASTEWATER TREATMENT SYSTEM
CONTRACT #Z78-2104-66

Rev. 1/95

ECO Resources Inc. 39899 Balentine Drive Suite 200 Newark, CA 94560	Pacific Gas & Electric Company Contacts: Joseph Higgins (805) 545-4103 Heather Rumsey (805) 545-4045

PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULTS
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil and Grease	mg/l	Weekly	15	20	11-3	9:53 A	8 mg/L Ave of 3
2	"	"	"	"	11-9	2:11 P	< 3 mg/L "
3	"	"	"	"	11-15	9:49 A	< 3mg/L "
4	"	"	"	"	11-22	11:58 A	< 3mg/L "
5	"	"	"	"	11-30	12:13 P	< 3 mg/L "
1. Suspended Solids	mg/l	Weekly	60	N/A	11-3	9:31 A	14 mg/L
2	"	"	"	"	11-9	1:47 P	11 mg/L
3	"	"	"	"	11-15	9:33 A	13 mg/L
4	"	"	"	"	11-22	11:44 A	40 mg/L
5	"	"	"	"			
1. Settleable Solids	ml/l	Weekly	1.0	3.0	11-3	10:17 A	< 0.1 ml/L
2	"	"	"	"	11-9	2:15 P	0.2 ml/L
3	"	"	"	"	11-15	9:53 A	< 0.1 ml/L
4	"	"	"	"	11-22	8:07 A	< 0.1 ml/L
5	"	"	"	"			

NOTES:
1. Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact 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 lab.

COMMENTS: _____

SLUDGE DISPOSAL DATA			
MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
November 1995		1875 lbs.	Santa Maria WWTP

Data Sheet completed by: J M Wigmore Date: December 11th 1995

TOTAL P.01

APPENDIX 4

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

December 1995

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (***)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
*	*	*	*	*	*	*	*	*
1	57.3	70.9	13.6	2557				
2	56.9	72.0	15.1	2566				
3	57.3	73.5	16.2	2563				
4	56.9	71.3	14.4	2559				
5	56.0	72.2	16.2	2564	7.9	8.0		
6	56.4	73.9	17.5	2559				2 8.1
7	55.5	73.9	18.4	2472				
8	54.7	73.4	18.7	2564			7.7	
9	55.4	70.7	15.3	2564				
10	56.3	71.1	14.8	2562				
11	57.5	75.5	18.0	2566				
12	57.4	76.0	18.6	2566				
13	59.3	68.6	9.3	1674				
14	58.2	61.9	3.7	377				
15	57.8	63.6	5.8	22				
16	56.7	59.9	3.2	394				
17	56.4	58.8	2.4	1788				
18	57.2	62.9	5.7	2432				
19	57.9	68.7	10.8	2559				
20	57.3	74.2	16.9	2559				
21	56.9	71.0	14.1	2559				
22	56.6	72.0	15.4	2564				
23	56.9	75.1	18.2	2559				
24	56.8	75.1	18.3	2566				
25	56.8	75.1	18.3	2559				
26	57.0	75.4	18.4	2561				
27	57.1	75.6	18.5	2566				
28	57.0	75.5	18.5	2563				
29	56.7	75.1	18.4	2564				
30	56.9	75.4	18.5	2559				
31	55.6	74.1	18.5	2564				
MONTHLY AVG	56.9	71.4	14.5	2279	7.9	8.0	7.7	8.1
MONTHLY HIGH	59.3	76.0	18.7	2566	7.9	8.0	7.7	8.1
MONTHLY LOW	54.7	58.8	2.4	22	7.9	8.0	7.7	8.1
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0 (**)	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

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

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 2

FACILITY I.D. 3 402003001 | BEGINNING YEAR / MO / DAY 95 / 12 / 01 | ENDING YEAR / MO / DAY 95 / 12 / 31 | STATE CODE 06 | NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	*	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	*	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	*	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	*	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	*	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	*	EFFLUENT 001 T CHLOR RES ug/l GRAB 2 per CYCLE	*	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1					< 3								14 15		577
2													12 15		404
3													12 12		404
4													10 11		441
5					< 3								6 19		202
6					< 3								14 14		577
7					< 3						< 3		12 15		509
8	7.8		8.0										14 18		577
9													12 20		404
10													12 19		404
11													14 18		577
12													14 21		577
13													4 52		135
14					< 3										
15					6										
16															
17													3 29		101
18													10 30		336
19													14 18		577
20													14 16		577
21					5								9 17		302
22													14 16		577
23													12 16		404
24													12 16		404
25													14 11		577
26													14 10		577
27													14 11		577
28					< 3								5 15		168
29													14 13		577
30													12 13		404
31													12 12		404
MONTHLY AVG	7.8		8.0		4		No Discharge		No Discharge		< 3		18		441
MONTHLY HIGH	7.8		8.0		6						< 3		52		577
MONTHLY LOW	7.8		8.0		< 3						< 3		10		101
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	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Heather Ramsey	1.16.96

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

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

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 4

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS mg/l 1st FLTR	* mg/l 2nd FLTR GRAB MONTHLY	*	mg/l NET	*	EFFLUENT 001H SUSPENDED SOLIDS mg/l 1st FLTR	*	mg/l 2nd FLTR GRAB MONTHLY	*	mg/l NET	*	*
1												
2												
3						3		1		2		
4												
5												
6												
7												
8	< 1	< 1		< 1								
9												
10						< 1		< 1		< 1		
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
MONTHLY AVG				< 1						2		
MONTHLY HIGH				< 1						2		
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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 5

FACILITY I.D.		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING 95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	EFFLUENT 001J SUSPENDED SOLIDS mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET		
	GRAB MONTHLY			GRAB MONTHLY				
*	*	*		*	*	*	*	*
1								
2								
3				< 1	< 1	< 1		
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 Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 6

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS mg/l 1st FLTR	*	EFFLUENT 001K SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	mg/l NET	*	EFFLUENT 001L SUSPENDED SOLIDS 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						2	< 1	2	< 1	2	< 1
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					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 Ramsey	1-16-96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 7

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS mg/l 1st FLTR	*	EFFLUENT 001M SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	mg/l NET	*	EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	*	EFFLUENT 001P SUSPENDED SOLIDS mg/l 1st FLTR	*	EFFLUENT 001P SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	mg/l NET
1							40						
2													
3													
4													
5							20						
6													
7													
8									13		12		1
9													
10													
11													
12													
13													
14							< 10						
15	11		3		8								
16													
17													
18													
19													
20													
21							20						
22													
23													
24													
25													
26													
27													
28							70						
29													
30													
31													
MONTHLY AVG					8		32				12		1
MONTHLY HIGH					8		70				12		1
MONTHLY LOW					8		< 10				12		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
Heather Ramsey	1-16-96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY	*	EFFLUENT 002 SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	EFFLUENT 002 SUSPENDED SOLIDS mg/l NET	*	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR GRAB MONTHLY	*	EFFLUENT 003 SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	*	EFFLUENT 003 SUSPENDED SOLIDS mg/l NET
1											
2											
3											
4											
5											
6	2	7	2	7	2	< 1					
7											
8							72		40		32
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20							16		3		13
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MONTHLY AVG						< 1					23
MONTHLY HIGH						< 1					32
MONTHLY LOW						< 1					13
TIMES EXCEEDED	NO LIMIT		NO LIMIT		MO AVG 30 = 0		NO LIMIT		NO LIMIT		**
TIMES EXCEEDED					D MAX 100 = 0						
TIMES EXCEEDED											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** ** See Chapter II, Chapter III, and Table B of the 1990 California Ocean Plan for limits.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Rumsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR mg/l NET GRAB WEEKLY WHEN 001N & 001P => 003				EFFLUENT 001N SETTL SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY
	*	*	*	*	*	*	*	*	*
1									
2									
3									
4						< 5	< 3	3	5
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG			No Discharge			< 5	< 3	3	5
MONTHLY HIGH						< 5	< 3	3	5
MONTHLY LOW						< 5	< 3	3	5
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 =
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
Heather Rumsey	1.16.96

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 4020030**
BEGINNING YEAR / MO / DAY: 95 / 12 / 01
ENDING YEAR / MO / DAY: 95 / 12 / 31
STATE CODE: 06
NPDES PERMIT #: CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.		INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT		INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT		INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT		INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT		EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT		EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT		EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT		EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
	*		*		*		*		*		*		*		*		
1																	
2																	
3																	
4																	
5	**	< 5	**	< 3	**	< 3											
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
MONTHLY AVG		< 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	
TIMES EXCEEDED																	
TIMES EXCEEDED																	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** INFLUENT SAMPLES TAKEN FOR COMPARISON TO EFFLUENT OTHER QUARTERLY ANALYSIS PERFORMED IN OCTOBER.

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT
	*	*	*	*	*	*	*	*
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15					** < 3			
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG			No Discharge		< 3			
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 OCTOBER.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 1

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/1 GRAB OCTOBER	INFLUENT ARSENIC ug/1 GRAB OCTOBER	EFFLUENT ARSENIC ug/1 GRAB OCTOBER	INFLUENT CADMIUM ug/1 GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/1 GRAB OCTOBER	INFLUENT LEAD ug/1 GRAB OCTOBER	EFFLUENT 001 LEAD ug/1 GRAB OCTOBER	INFLUENT ZINC ug/1 GRAB OCTOBER
	*	*	*	*	*	*	*	*
1								
2								
3								
4								
5								(**) 4
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20							< (***)5	
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG							< 5	4
MONTHLY HIGH							< 5	4
MONTHLY LOW							< 5	4
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.
ALL OTHER ANNUAL ANALYSIS WILL BE PERFORMED IN OCTOBER.
(***) Sample taken due to 12 ppb result on October replicate.

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
GREGORY M. RUEGER	Heather Ramsey	1.16.96

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (A) 4

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY	STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	95 / 12 / 01	ENDING	95 / 12 / 31	06	CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER	
	*	*	*	*	*	*	*	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	** < 3							
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

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

TIMES EXCEEDED MO AVG 15 = 0
TIMES EXCEEDED 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
Heather Ramsey	1.16.96

PG&E	CHEMISTRY SAMPLE DATA TABULAR REPORT	DCPP

Unit: 0 NPDES
001 EFFLUENT CHLORINATION

From: 12/01/95 0:01
Through: 12/31/95 23:59

Parameter: / High Limit: / Low Limit: / Sample Time:	CWP 1-1 Peak Cl2 ppb	CWP 1-2 Peak Cl2 ppb	CWP 2-1 Peak Cl2 ppb	CWP 2-2 Peak Cl2 ppb	Injection Rate 5.0 0.0 gpm	lbs of chlorine used lbs		
				0				
12/01/95 10:00		<10		<10	2.4	173		
12/04/95 10:00		<10		<10	2.4	173		
12/06/95 10:00		<10		<10	2.4	173		
12/07/95 10:00		<10		<10	2.4	173		
12/08/95 10:00		<10		<10	2.4	173		
12/11/95 10:00		<10		<10	2.4	173		
12/12/95 10:00		<10		<10	2.4	173		
12/19/95 10:00		<10		<10	2.4	173		
12/20/95 10:00		<10		<10	2.4	173		
12/22/95 10:00		<10		<10	2.4	173		
12/25/95 10:00		<10		<10	2.4	173		
12/26/95 10:00		<10		<10	2.4	173		
12/27/95 10:00		<10		<10	2.4	173		
12/29/95 10:00		<10		<10	2.4	173		

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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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 were treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWPs 1-1 and 2-1 were 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 1-1 CWP

From: 12/01/95 0:01
Through: 12/31/95 23:59

Parameter:	0000 Cl2 P eak	0400 Cl2 P eak	0800 Cl2 P eak	1200 Cl2 P eak	1600 Cl2 P eak	2000 Cl2 P eak		
High Limit:	89	89	89	89	89	89		
Low Limit:	0	0	0	0	0	0		
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		
12/01/95 0:01	33	23	18	15	18	21		
12/02/95 0:01	20	23	20	18	23	21		
12/03/95 0:01	23	18	12	<10	<10	12		
12/04/95 0:01	16	12	<10	<10				
12/05/95 0:01				28	25	28		
12/06/95 0:01	28	25	21	<10	<10	11		
12/07/95 0:01	12	12	11		25	25		
12/08/95 0:01	25	28	25	30	30	30		
12/09/95 0:01	30	25	30	30	33	33		
12/10/95 0:01	30	30	33	25	25	30		
12/11/95 0:01	25	21	21	18	25	25		
12/12/95 0:01	18	13	11	<10	15	15		
12/13/95 0:01	40							
12/18/95 0:01			33	33	30	68		
12/19/95 0:01	25	25	23	21	21	21		
12/20/95 0:01	23	21	18	18	21	21		
12/21/95 0:01	23	20	20		20	21		
12/22/95 0:01	21	21	21	18	18	18		
12/23/95 0:01	15	18	15	15	18	18		
12/24/95 0:01	18	18	18	14	12	12		
12/25/95 0:01	12	10	<10	<10	<10	<10		
12/26/95 0:01	<10	<10	<10	<10	<10	<10		
12/27/95 0:01	<10	<10	<10	12	13	14		
12/28/95 0:01					14	14		
12/29/95 0:01	12	12	12	12	12	11		
12/30/95 0:01	11	12	11	12	11	11		

1/17/96 8:55 | 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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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 were treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWPs 1-1 and 2-1 were 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 1-1 CWP

From: 12/01/95 0:01
Through: 12/31/95 23:59

Parameter:	0000 Cl2 Peak	0400 Cl2 Peak	0800 Cl2 Peak	1200 Cl2 Peak	1600 Cl2 Peak	2000 Cl2 Peak		
High Limit:	89	89	89	89	89	89		
Low Limit:	0	0	0	0	0	0		
Sample Time:	ppb	ppb	ppb	ppb	ppb	ppb		
12/31/95 0:01	10	10	10	10	10	10		

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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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 were treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWPs 1-1 and 2-1 were 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 2-1 CWP

From: 12/01/95 0:01
Through: 12/31/95 23:59

Parameter: / High Limit: / Low Limit: / Sample Time:	0100 PEAK ppb	0500 PEAK ppb	0900 PEAK ppb	1300 PEAK ppb	1700 PEAK ppb	2100 PEAK ppb		
12/01/95 1:00	12	10	10	10	10	10		
12/02/95 1:00	<10	<10	<10	<10	<10	<10		
12/03/95 1:00	<10	<10	<10	<10	<10	<10		
12/04/95 1:00	<10	<10	<10	<10				
12/05/95 1:00				11	11	12		
12/06/95 1:00	11	<10	<10	12	16	16		
12/07/95 1:00	16	16	16		13	10		
12/08/95 1:00	10	10	10	10	10	10		
12/09/95 1:00	<10	<10	<10	<10	<10	<10		
12/10/95 1:00	<10	<10	<10	<10	<10	<10		
12/11/95 1:00	<10	<10	<10	27	29	12		
12/12/95 1:00	<10	<10	<10	55	50	55		
12/13/95 1:00	50	59	59					
12/17/95 1:00				31	32	24		
12/18/95 1:00	24	21	21	21	25	25		
12/19/95 1:00	19	17	16	13	19	13		
12/20/95 1:00	16	13	13	13	16	13		
12/21/95 1:00	12	11			11	11		
12/22/95 1:00	10	11	13	16	16	16		
12/23/95 1:00	13	13	13	13	19	19		
12/24/95 1:00	19	19	19	13	14	13		
12/25/95 1:00	11	11	11	11	11	12		
12/26/95 1:00	12	12	12	10	10	10		
12/27/95 1:00	10	10	10	10	10	<10		
12/28/95 1:00				15	15	16		
12/29/95 1:00	16	15	15	15	15	15		

1/17/96 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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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 were treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

CWPs 1-1 and 2-1 were 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 2-1 CWP

From: 12/01/95 0:01
Through: 12/31/95 23:59

Parameter: / High Limit: / Low Limit: / Sample Time:	0100 PEAK ppb	0500 PEAK ppb	0900 PEAK ppb	1300 PEAK ppb	1700 PEAK ppb	2100 PEAK ppb		
12/30/95 1:00	15	13	13	14	14	13		
12/31/95 1:00	13	13	13	14	13	14		

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 =

   (ppb TRC) x ((# of operating CWPs on chlorinated Unit)/(# of operating CWPs for both Units))

2. Samples drawn at Condenser Waterbox Inlet =

   ((ppb TRC)/(# 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 were treated using 20 minute injections. The limit for a 20 minute injection is 89 ppb TRC.

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

PACIFIC GAS AND ELECTRIC - DIABLO CANYON POWER PLANT
SANITARY WASTEWATER TREATMENT SYSTEM
CONTRACT #Z78-2104-55
Rev. 1/85

ECO Resources Inc. 39899 Balentine Drive Suite 200 Newark, CA 94560	Pacific Gas & Electric Company Contacts: Joseph Higgins (805) 545-4103 Heather Rumsey (805) 545-4045

PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULTS
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil and Grease	mg/l	Weekly	15	20	12-1	12:07	< 3mg/l Ave of 3
2	"	"	"	"	12-5	8:51	< 3mg/l "
3	"	"	"	"	12-6	1:11	< 3mg/l "
4	"	"	"	"	12-7	1:15	< 3 mg/l "
5	"	"	"	"	12-14	9:32	< 3mg/l "
1. Suspended Solids	mg/l	Weekly	60	N/A	12-1	11:51	40 mg/l
2	"	"	"	"	12-5	8:39	20 mg/l
3	"	"	"	"	12-14	9:24	< 10 mg/l
4	"	"	"	"	12-21	1:34	20 mg/l
5	"	"	"	"	12-28	1:55	70 mg/l
1. Settleable Solids	ml/l	Weekly	1.0	3.0	12-1	12:11	<0.1 ml/l
2	"	"	"	"	12-5	9:00	<0.1 ml/l
3	"	"	"	"	12-14	9:37	<0.1 ml/l
4	"	"	"	"	12-21	2:02	<0.1 ml/l
5	"	"	"	"	12-28	2:00	<0.1 ml/l

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 lab.

COMMENTS: Effluent Composite monthly average 32 mg/l

SLUDGE DISPOSAL DATA			
MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
December		11601 lbs.	Santa Maria WWTP

Data Sheet completed by: J M Wyons Date: January 4th 1996

TOTAL P.03

PACIFIC GAS AND ELECTRIC - DIABLO CANYON POWER PLANT
SANITARY WASTEWATER TREATMENT SYSTEM
CONTRACT #278-2104-88
Rev. 1/95

ECO Resources Inc. 39899 Balentine Drive Suite 200 Newark, CA 94560	Pacific Gas & Electric Company Contacts: Joseph Higgins (805) 545-4103 Heather Rumsey (805) 545-4045

PARAMETER	UNITS	FREQ.	LIMITS MONTHLY AVERAGE	LIMITS DAILY MAX	SAMPLE DATE	SAMPLE TIME	RESULTS
1. Oil and Grease	mg/l	Weekly	15	20	12-15	1:31	6 mg/L Ave of 3
2	"	"	"	"	12-21	1:58	5.3 mg/L "
3	"	"	"	"	12-28	2:15	< 3 mg/L "
4	"	"	"	"			
5	"	"	"	"			
1. Suspended Solids	mg/l	Weekly	60	N/A			
2	"	"	"	"			
3	"	"	"	"			
4	"	"	"	"			
5	"	"	"	"			
1. Settleable Solids	ml/l	Weekly	1.0	3.0			
2	"	"	"	"			
3	"	"	"	"			
4	"	"	"	"			
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 lab.

COMMENTS: _____

SLUDGE DISPOSAL DATA			
MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
December		11601 lbs.	SANTA MARIA WWTP

Data Sheet completed by: J M Wyong Date: January 4th, 1996

APPENDIX 5

DIABLO CANYON POWER PLANT

Acute Bioassay

November 27 - December 1, 1995

Memorandum

Date: December 21, 1995 File #:420

To: NUCLEAR POWER GENERATION

From: CHEMISTRY AND ENVIRONMENTAL OPERATIONS

Subject: Quarterly Acute Toxicity Bioassays for Diablo Canyon Power Plant

PG&E

DREW A. SQUYRES:

I have attached Laboratory Test Report Number ODES-420-95.22 on the acute toxicity bioassay performed at the Diablo Canyon Biological Laboratory.

This bioassay satisfies the 1995 fourth quarter requirement for acute toxicity testing in Diablo Canyon Power Plant's NPDES permit. The bioassay was a standard 96-hour acute bioassay using 100 percent effluent and a dilution water control. Juvenile red abalone (Haliotis rufescens) were used as the test organism.

The measured acute toxicity was 0 (no mortality was observed).

Let me know if would like additional information.

James L. Kelly

JAMES L. KELLY

JLK(691-3194):mo

cc: AMJackson
RWLorenz
HRumsey
RMS Indexer

Attachment

Report Issued: December 15, 1995 Report ODES-420-95.22

PACIFIC GAS AND ELECTRIC COMPANY
P.O. BOX 56
AVILA BEACH, CALIFORNIA 93424

LABORATORY REPORT

SUBJECT: ACUTE TOXICITY ASSESSMENT OF DISCHARGE WATER FROM DIABLO CANYON POWER PLANT, FOURTH QUARTER OF 1995

Introduction:

One acute toxicity bioassay was conducted at the Diablo Canyon Biological Laboratory on water sampled on November 27, 1995, 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-226) 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

Assay No.	Date Sampled	Location	Toxicity (TUa)
DCPP-226	November 27, 1995	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: AMJackson
RWLorenz
HRumsey
DASquyres
RMS Indexer

Date: 12/15/95
Tested By:
Approved:

70-327 (3/88)

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. DCPP - 226

TEST ORGANISM DATA :
TEST ORGANISM : Red Abalone, *Haliotis rufescens*
SOURCE : Cayucos Abalone Farm Inc., Cayucos California
AVERAGE LENGTH : 17 mm RANGE : 14 - 19 mm
ACCLIMATION TIME : 25 Weeks TEMP : 9 - 16 D. Celsius
WATER SOURCE : DCPP Biological Laboratory Intake Pump

TEST SOLUTION DATA :
SOURCE OF TEST SOLUTION :
Diablo Canyon Power Plant Unit 1 & Unit 2
Discharge 001 Effluent Grab Sample
DATE/TIME SAMPLED : **27 November 1995 @ 11:38**
SAMPLED BY : **BK Cunningham**

DATE STARTED : **27-Nov-95**
TIME STARTED : **14:50** 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)	15.4	14.7	BKC
DISSOLVED OXYGEN (mg/Liter)	7.6	7.8	BKC
PH	8.0	8.0	BKC
SALINITY/HARDNESS	33.4	33.5	BKC
24 HOURS			
ORGANISMS SURVIVING	30	30	BKC
% SURVIVAL	100	100	BKC
TEMPERATURE (Degrees Celsius)	14.8	14.8	BKC
DISSOLVED OXYGEN (mg/Liter)	8.2	8.0	BKC
PH	8.0	8.0	BKC
48 HOURS			
ORGANISMS SURVIVING	30	30	BKC
% SURVIVAL	100	100	BKC
TEMPERATURE (Degrees Celsius)	14.6	14.6	BKC
DISSOLVED OXYGEN (mg/Liter)	8.0	7.9	BKC
PH	8.0	8.0	BKC
72 HOURS			
ORGANISMS SURVIVING	30	30	BKC
% SURVIVAL	100	100	BKC
TEMPERATURE (Degrees Celsius)	15.1	15.1	BKC
DISSOLVED OXYGEN (mg/Liter)	8.1	7.9	BKC
PH	8.0	8.0	BKC
96 HOURS			
ORGANISMS SURVIVING	30	30	BKC
% SURVIVAL	100	100	BKC
TEMPERATURE (Degrees Celsius)	15.0	15.0	BKC
DISSOLVED OXYGEN (mg/Liter)	7.9	7.8	BKC
PH	8.0	8.0	BKC
SALINITY/HARDNESS	33.4	33.4	BKC

U:	0 , No Mortality
rocedure No.	2.3
Temperature Probe No.	135
Calibration Due Date	28-Jun-96

TESTED BY : Bryan K. Cunningham

Reviewed By : James L. Kay

DCPP - 226 Acute Bioassay Average Length of Test Abalone

Shell Lengths of Test Animals in millimeters :

CONTROL	DISCHARGE
16	14
14	16
18	17
18	15
17	16
16	18
14	17
14	19
19	18
17	17
17	14
18	14
16	17
19	19
19	17
19	19
17	14
15	17
16	18
15	15
19	19
17	18
18	18
19	16
14	18
19	14
17	19
18	19
17	19
16	18
AVERAGE 16.9	17.0
STDEV. 1.68	1.77

Average Length Control and Discharge : **17.0**

Range : 14 - 19 mm

APPENDIX 6

DIABLO CANYON POWER PLANT

Chronic Bioassay

November 29 - December 1, 1995

Memorandum

Date: December 22, 1995 File #:

To: Nuclear Power Generation
DCPP

From: Chemistry and Environmental Operations

Subject: Quarterly Chronic Toxicity Bioassays
for Diablo Canyon Power Plant

PG&E

DREW A. SQUYRES:

I have completed Laboratory Test Report Number ODES-420-95.23 on the chronic toxicity bioassay performed at the Diablo Canyon Biological Laboratory. This bioassay satisfies the requirement for continuing chronic toxicity testing in the 1990 California Ocean Plan for Diablo Canyon Power Plant. Larval red abalone were the test species. Data and statistical analysis are included with the report.

The highest concentration that was not significantly different from the Control was the 32% concentration (No Observed Effect Level (NOEL) = 32%). Toxicity (TUc) = 100/NOEL = 3.13. The calculated effluent concentration limit from Chapter IV, Section A of the 1990 California Ocean Plan is 5.11. Since the measured toxicity (3.13) is below this limit, DCPP is in compliance with the 1990 California Ocean Plan.

Let me know if you need additional information.

James L. Kelly

JAMES L. KELLY

JLK(691-3194):kmo

cc: AMJackson
RWLorenz
HRumsey
RMS Indexer

Attachment

Report Issued: December 21, 1995 Report ODES-420-95.23

PACIFIC GAS AND ELECTRIC COMPANY
P.O. BOX 56
AVILA BEACH, CALIFORNIA 93424

LABORATORY REPORT

SUBJECT: CHRONIC TOXICITY ASSESSMENT OF DISCHARGE WATER FROM DIABLO CANYON POWER PLANT, FOURTH QUARTER OF 1995

Introduction:

One chronic toxicity bioassay was conducted at the Diablo Canyon Biological Laboratory on water sampled November 28-29, 1995, 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-227) was begun within thirty-six hours of sample collection.

Results:

The highest concentration that was not significantly different from the Control was the 32% concentration (No Observed Effect Level (NOEL) = 32%). Toxicity (TUc) = 100/NOEL = 3.13. The calculated effluent concentration limit from Chapter IV, Section A of the 1990 California Ocean Plan is 5.11. Since the measured toxicity (3.13) is below this limit, DCPP is in compliance with the 1990 California Ocean Plan. Data were analyzed using ANOVA with Dunnet's Test. The effluent test and the reference toxicant test met all test acceptance criteria. Data sheets and statistical analysis results are attached.

SUMMARY OF RESULTS

Test Solution	Assay No.	Date Sampled	Toxicity (TUc)
Discharge 001	DCPP-227	November 28-29, 1995	3.13 (NOEL = 32%)
Reference Toxicant	DCPP-227Z	November 29, 1995	5.56 (NOEL = 18 ug/l)

References:

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

Distribution: AMJackson
RWLorenz
HRumsey
RMS Indexer

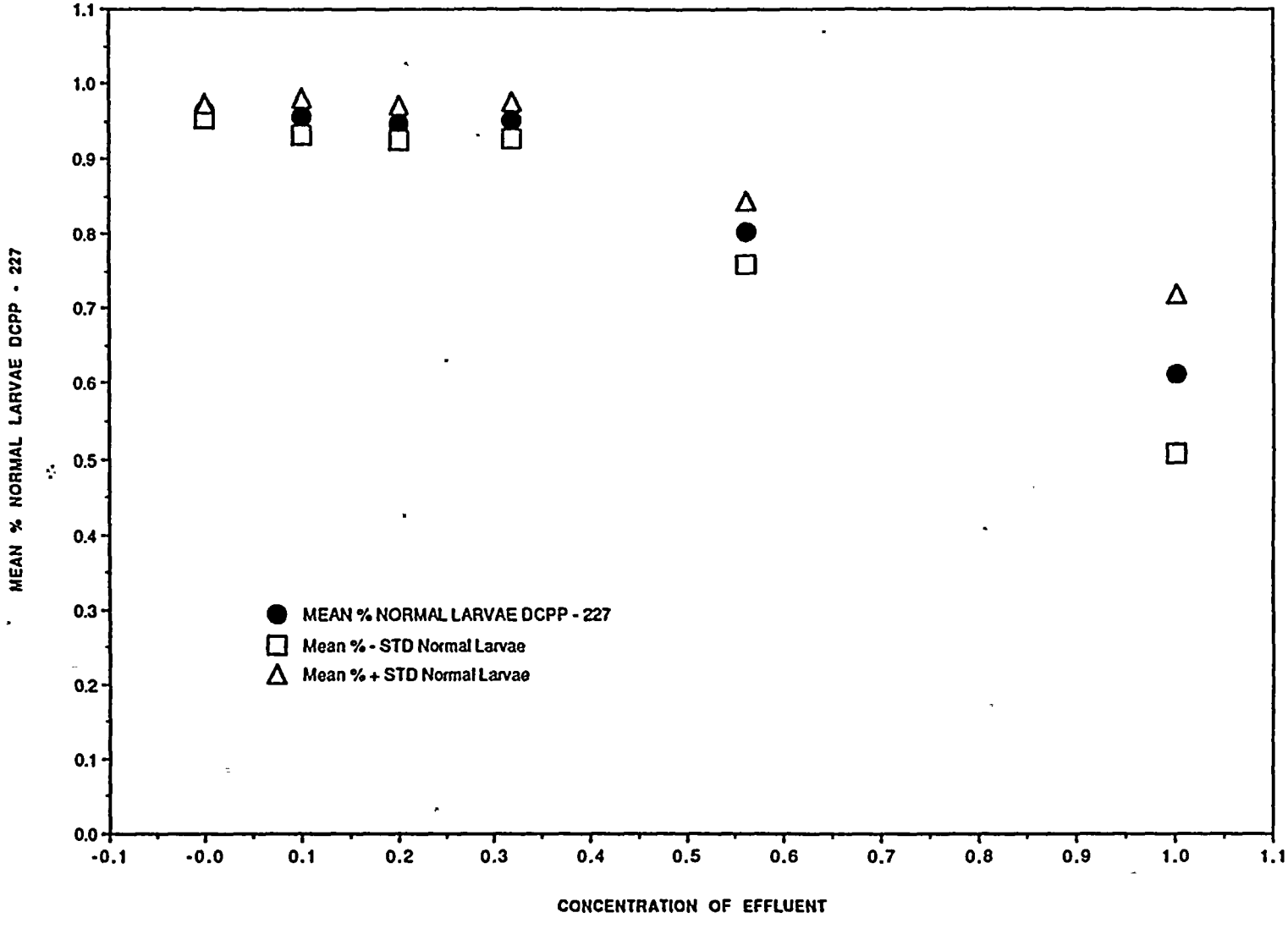
Date: December 22, 1995
Tested By: [signature]
Approved [signature]

DCPP - 227 Chronic Larval Abalone Bioassay Diablo Canyon Power Plant Unit 1 and Unit 2 Discharge Effluent 24 Hour Composite Sample

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
3	0.0%	8	192	96.00%	0.963	0.010	0.953	0.973	4.00%	0.037
15	Control 0.45 um	6	194	97.00%					3.00%	
19	Filtered Seawater	5	195	97.50%					2.50%	
28		8	192	96.00%					4.00%	
33		10	190	95.00%					5.00%	
1	10.0%	2	198	99.00%	0.957	0.024	0.933	0.981	1.00%	0.043
4		15	185	92.50%					7.50%	
36		7	193	96.50%					3.50%	
40		11	189	94.50%					5.50%	
41		8	192	96.00%					4.00%	
7	20.0%	8	192	96.00%	0.947	0.023	0.924	0.970	4.00%	0.053
9		4	196	98.00%					2.00%	
21		15	185	92.50%					7.50%	
25		14	186	93.00%					7.00%	
34		12	188	94.00%					6.00%	
8	32.0%	5	195	97.50%	0.951	0.025	0.926	0.976	2.50%	0.049
16		5	195	97.50%					2.50%	
17		14	186	93.00%					7.00%	
29		9	191	95.50%					4.50%	
42		16	184	92.00%					8.00%	
12	56.0%	39	161	80.50%	0.802	0.042	0.760	0.844	19.50%	0.198
13		41	159	79.50%					20.50%	
20		26	174	87.00%					13.00%	
22		44	156	78.00%					22.00%	
31		48	152	76.00%					24.00%	
26	100.0%	99	101	50.50%	0.614	0.106	0.508	0.720	49.50%	0.386
27		94	106	53.00%					47.00%	
30		52	148	74.00%					26.00%	
44		58	142	71.00%					29.00%	
45		83	117	58.50%					41.50%	

48 Hour Static Test November 29 - December 01 , 1995 @ 15:58

DCPP - 227 Chronic Larval Abalone Bioassay November 29 - December 01 , 1995 Diablo Canyon Power Plant 001 Discharge Effluent



Diablo Canyon Biological Laboratory

Test Date: 12/02/95
Sample Date: 12/01/95
Species: Haliotis rufescens
Test Type: Chronic

Test Number: DCPP-227
Test Material: Effluent - Power Plant %
Source: CA0003751
RWQCB Discharge permit
Diablo Canyon Power Plant

SUMMARY

End Point	Day	Transformation		Conc		#Reps	Mean	StDev	% Surv
Proportion Normal		Arc sine sqrt w/out adj.							
			X	0.000	D	5	1.38	.026	
			X	10.000	D	5	1.37	.066	
			X	20.000	D	5	1.34	.056	
			X	32.000	D	5	1.35	.060	
			X	56.000	D	5	1.11	.055	
			X	100.000	D	5	.90	.110	
Proportion Normal		No transformation							
				0.000	D	5	.96	.010	
				10.000	D	5	.96	.024	
				20.000	D	5	.95	.023	
				32.000	D	5	.95	.025	
				56.000	D	5	.80	.042	
				100.000	D	5	.61	.106	

X = indicates concentrations used in calculations

- HYPOTHESIS TEST -

End Point	Day	Transformation/Analysis	NOEC	LOEC	TU	MSE	MSD
Proportion Normal		Arc sine sqrt w/out adj.					
		Dunnett	32.000	56.000	3.13	.004	.046

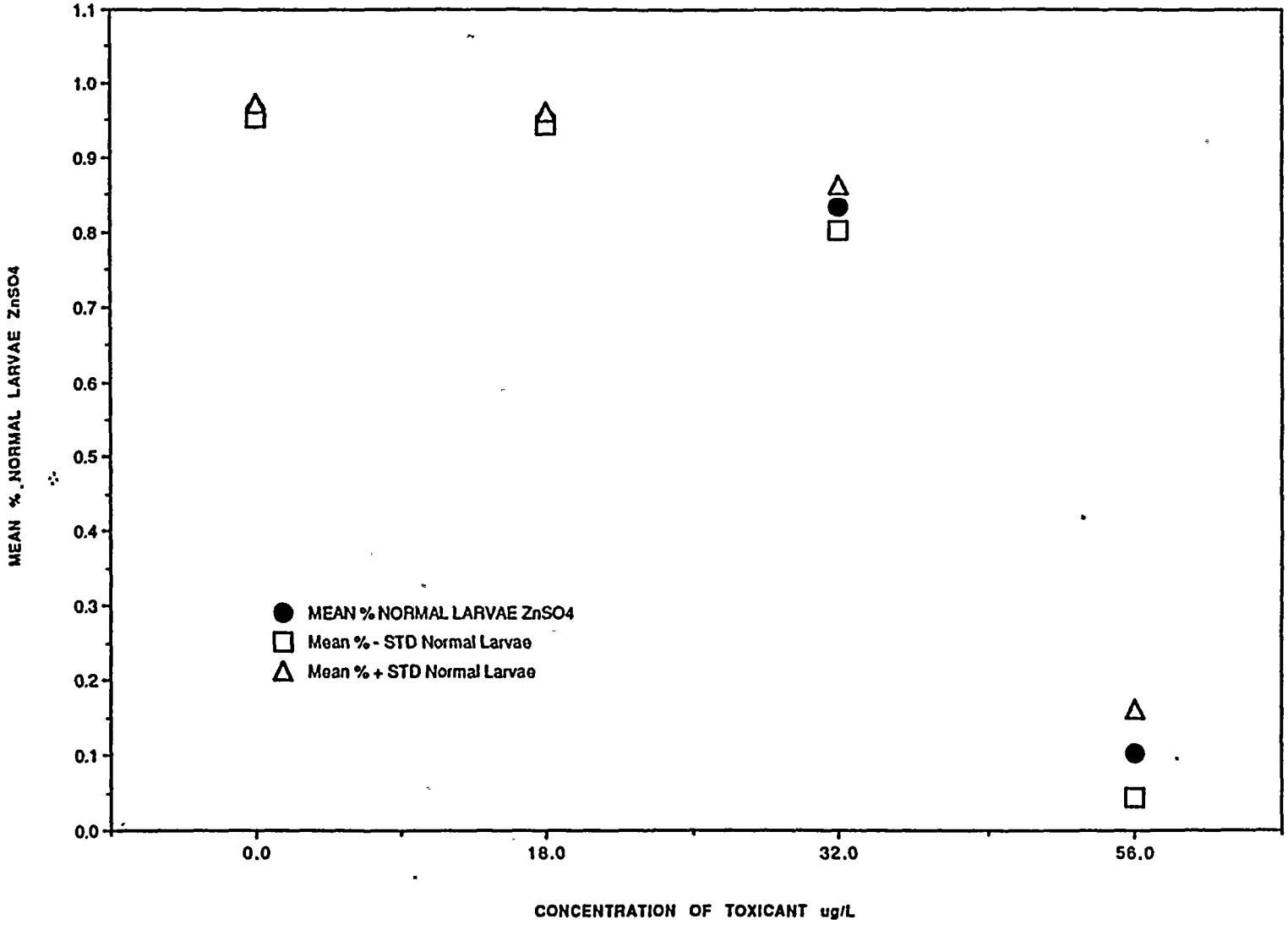
- PROPORTION POINT ESTIMATE -

End Point	Day	Method	P	Conc	95% CI	TU
Proportion Normal		Graphical Interpolation				
			EC 15	52.581	-	1.90
			EC 25	71.616	-	1.40
			EC 40		-	
			EC 50		-	

DCPP - 227 Chronic Larval Abalone Bioassay Zinc Sulfate Reference Toxicant Preparations

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
3	0.0%	8	192	96.00%	0.963	0.010	0.953	0.973	4.00%	0.037
15	Control 0.45 um	6	194	97.00%					3.00%	
19	Filtered Seawater	5	195	97.50%					2.50%	
28		8	192	96.00%					4.00%	
33		10	190	95.00%					5.00%	
6	18.0	10	190	95.00%	0.952	0.008	0.944	0.960	5.00%	0.048
10		8	192	96.00%					4.00%	
11		12	188	94.00%					6.00%	
18		9	191	95.50%					4.50%	
23		9	191	95.50%					4.50%	
5	32.0	30	170	85.00%	0.833	0.031	0.802	0.864	15.00%	0.167
32		43	157	78.50%					21.50%	
37		36	164	82.00%					18.00%	
39		31	169	84.50%					15.50%	
43		27	173	86.50%					13.50%	
2	56.0	187	13	6.50%	0.102	0.059	0.043	0.161	93.50%	0.898
14		192	8	4.00%					96.00%	
24		162	38	19.00%					81.00%	
35		183	17	8.50%					91.50%	
38		174	26	13.00%					87.00%	

DCPP - 227 Chronic Larval Abalone Bioassay November 29 - December 01 , 1995 Zinc Sulfate Reference Toxicant Preparations



Diablo Canyon Biological Laboratory

Test Date: 12/02/95
Sample Date: 12/02/95
Species: Haliotis rufescens
Test Type: Chronic

Test Number: DCPP-227Z
Test Material: Zinc sulfate ug/L
Source: REF
Reference Toxicant

SUMMARY

End Point	Day	Transformation		Conc	#Reps	Mean	StDev	% Surv
Proportion Normal		Arc sine sqrt w/out adj.						
			X	0.000 D	5	1.38	.026	
			X	18.000 D	5	1.35	.017	
			X	32.000 D	5	1.15	.041	
			X	56.000 D	5	.31	.097	
Proportion Normal		No transformation						
				0.000 D	5	.96	.010	
				18.000 D	5	.95	.008	
				32.000 D	5	.83	.031	
				56.000 D	5	.10	.059	

X = indicates concentrations used in calculations

- HYPOTHESIS TEST -

End Point	Day	Transformation/Analysis	NOEC	LOEC	TU	MSE	MSD
Proportion Normal		Arc sine sqrt w/out adj.					
		Steel many-one rank test	18.000	32.000		.003	.035

- PROPORTION POINT ESTIMATE -

End Point	Day	Method	P	Conc	95% CI	TU
Proportion Normal		Graphical Interpolation				
			EC 15	32.356	-	
			EC 25	34.831	-	
			EC 40	38.904	-	
			EC 50	41.881	-	

PHYSICAL and CHEMICAL MEASUREMENTS

Larval Red Abalone Chronic Bioassay
Diablo Canyon Biological Laboratory

Test Start Date/Time : November 29 , 1995 @ 15:58 | Bioassay Number (s) : DCPP - 227

Test Finish Date/Time : December 01 , 1995 @ 15:58 | Collection Date (s) : November 28-29, 1995 @ 10:15

Test Organism : ***Haliotis rufescens***

	MEASUREMENTS AT START OF ASSAY			MEASUREMENTS AT FINISH OF ASSAY			
	PH	D. OXYGEN	SALINITY	CONTAINER	PH	D. OXYGEN	SALINITY
CONTROL	8.0	7.3	33.5	28	8.0	7.6	34.1

REFERENCE TOXICANT : ZnSO4

18ug / L	8.0	7.4	33.4	10	8.0	7.6	33.5
32ug / L	8.0	7.4	33.4	39	8.0	7.5	33.2
56ug / L	8.0	7.3	33.4	14	8.1	7.4	33.1

Effluent Source: Diablo Canyon Power Plant 001 Discharge **Collection Date/Time: November 28-29, 1995 @ 10:15**

10%	8.0	7.4	33.5	36	8.0	7.2	33.3
20%	8.0	7.3	33.5	9	8.0	7.3	33.5
32%	8.0	7.2	33.5	16	8.0	7.8	33.7
56%	8.0	7.2	33.5	22	8.0	7.5	33.4
100%	8.0	7.1	33.6	44	8.0	7.4	32.7

Hourly Temperature Data

Hour 01	Hour 13	Hour 25	Hour 37
15.39	15.68	14.94	15.47
15.15	15.67	14.92	15.49
15.02	15.68	14.95	15.52
14.99	15.68	14.94	15.50
14.99	15.61	14.97	15.44
15.00	15.30	14.97	15.22
15.01	15.10	14.99	15.07
15.02	14.98	15.02	14.99
15.30	14.95	15.22	14.94
15.50	14.91	15.37	14.90
15.60	14.92	15.45	14.87
15.62	14.94	15.46	15.12
Hour 12	Hour 24	Hour 36	Hour 48

Mean Temperature 48 Hour Static Test

15.20 **Degrees Celsius.**

Standard Deviation Hourly Temperature

0.27

Analyzed By : Bryan K. Cunningham | Reviewed by : James L. Kelly

Date Analyzed : 29 November 1995 / 01 December 1995 | Date Reviewed : December 22, 1995

ABALONE SPAWN and FERTILIZATION WORKSHEET

Larval Red Abalone Chronic Bioassay
Diablo Canyon Biological Laboratory

Test Start Date/Time : 29 November 1995 @ 1558 Bioassay Number(s) : DCPP - 227

Test Finish Date/Time : 01 December 1995 @ 1558 Effluent Source (s) : Diablo Canyon PP 001 Discharge

Test Organism : Haliotis rufescens Collection Date/Time : Nov. 28 - 29, 1995 @ 10:15

	Males Used	Gonad Index	Date Last Used		Females Used	Gonad Index	Date Last Used
1	Unmarked	4	No Prior Use	1	Unmarked	4	No Prior Use
2	Unmarked	4	No Prior Use	2	Unmarked	4	No Prior Use
3	Unmarked	4	No Prior Use	3	Unmarked	4	No Prior Use
4	Unmarked	4	No Prior Use	4	Unmarked	4	No Prior Use

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

Start of spawning treatment : Male 1220 Female 1130 Peroxide Solution Flushed From Spawn Tanks :

First Male spawns : 1420 Male : 1420 Female : 1355

First Female spawns : 1355 Comments:

Multiple spawners : Male : 1422 Female : 1355

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

Sperm added to egg container : 1442 Time fertilization complete : 1502

Determination of embryo density. Counts of 1 ml samples taken from beaker of condensed fertilized eggs :

1: 354 2 : 481 3 : 397 4 : 423 5 : 414

Mean : 414 STD : 46

Addition of 1000 embryos to each test container :
Pipette the volume calculated below from the well-mixed beaker sampled above.

(1000 embryos/test container) / (414 #embryos/ml) = 2.4 ml/test container

Temperature of embryos : 15.2° Celsius Temperature of test containers : 15.6° Celsius

Time all containers in incubator : 1558

Comments : To insure adequate spawn success, additional Male and additional Female abalone, gonad index 3 - 4 , will be used in the Hydrogen Peroxide spawn induction procedure.

Prepared By : BK Cunningham Reviewed By : James L. Kelly

Date Prepared : 29 November 1995 Date Reviewed : December 22, 1995

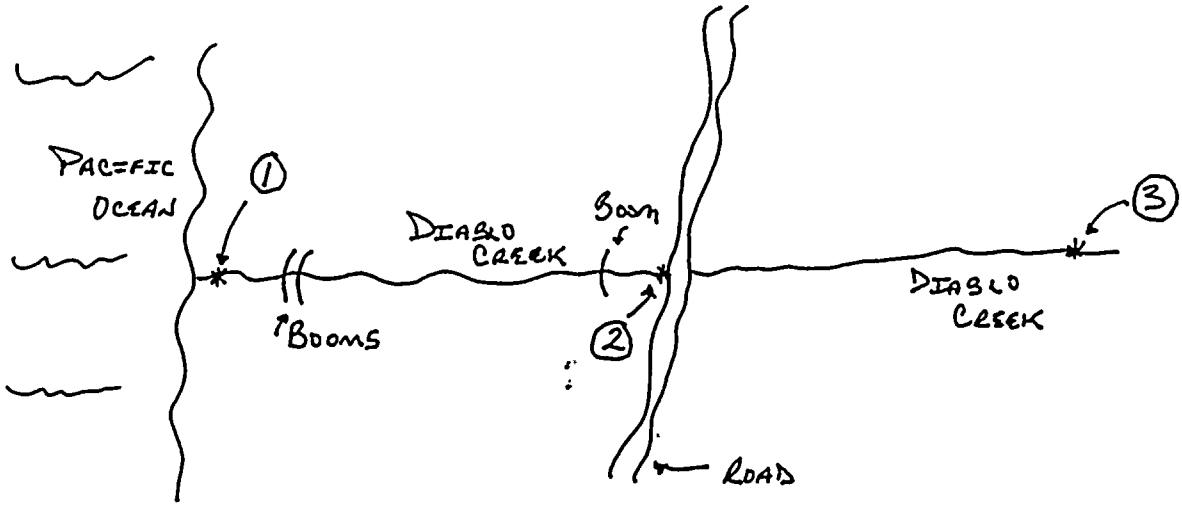
APPENDIX 7

DIABLO CANYON POWER PLANT

Oil and Grease Data - Discharge 009

October 21, 1995

Oil and Grease Data - Discharge 009
October 21, 1995



1. Sample Downstream of Last Boom

Date	Time	Results (mg/l)
10/21/95	1045	<3
10/21/95	1115	5
10/21/95	1145	6
10/21/95	1215	<3
10/21/95	1330	24
10/21/95	1430	<3
10/21/95	1530	<3
10/21/95	1630	<3
10/21/95	1730	<3

2. Sample from Road

Date	Time	Results (mg/l)
10/21/95	1010	8

3. Sample from pipe that discharges into Diablo Creek from Transformer Yard (009)

Date	Time	Results (mg/l)
10/21/95	1005	75