

Corrective Actions" section

PG&E Letter DCL-2006-511
Mr. Briggs
February 27, 2006
Page 2

If Yes is marked (complete a-g):

a) Parameter(s) in Violation:

**b) Section(s) of WDR/NPDES
Violated:**

c) Reported Value(s)

**d) WDR/NPDES
Limit/Condition:**

e) Dates of Violation(s)
(reference page of report/data
sheet):

f) Explanation of Cause(s):
(attach additional information as
needed)

(If "YES", see overview section of attached report)

g) Corrective Action(s):
(attach additional information as
needed)

(If "YES", see overview section of attached report)

PG&E Letter DCL-2006-511

Mr. Briggs

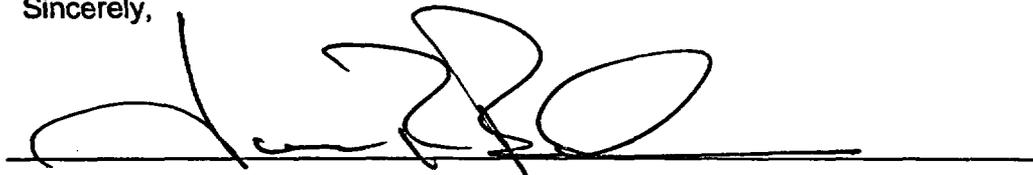
February 27, 2006

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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 Bryan Cunningham of my staff at (805) 545-4439.

Sincerely,

A handwritten signature in black ink, appearing to read 'James R. Becker', is written over a solid horizontal line. The signature is stylized and cursive.

Name: James R. Becker

Title: Vice President - Diablo Canyon Operations and Station Director

2006511/JLK/kmo

PG&E Letter DCL-2006-511
Mr. Briggs
February 27, 2006
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Enclosure

ENCLOSURE

**ANNUAL SUMMARY REPORT ON
DISCHARGE MONITORING
AT THE
DIABLO CANYON POWER PLANT
(NPDES NO. CA0003751)**

2005

**2005 Annual Summary Report on Discharge Monitoring
at the
Diablo Canyon Power Plant**

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2005 Annual Summary Report on Discharge Monitoring
at the
Diablo Canyon Power Plant

OVERVIEW

- A. This annual summary report follows the format used in quarterly monitoring reports. Analytical results below the respective Reporting Limit are plotted as a "zero" value in accordance with ELAP guidance. Less-than results are plotted conservatively at the value, except oil & grease, which is plotted as "zero" for <3 values. During 2005, discharges occurred from all discharge paths except 001I, 001K, and 017.

- B. California Ocean Plan Table B substances that were not analyzed for have not been added to the discharge stream. The substances listed in Table B in the 1990 Ocean Plan were each analyzed for and reported in the permit renewal application for Diablo Canyon Power Plant (DCPP) submitted in October 1994 and January 2001. 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 documents.

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. Monitoring Data

- a. Appendix 1 provides a list of the discharge path names for ease of reference. Appendix 2 contains monitoring data in tabular form. Appendix 3 contains monitoring data in graphical form.

- b. Annual oil and grease analyses were performed in October on Stormwater/Yard Drain Discharges 005, 008, 009, 013, and 015. Results were less than 5 mg/l for discharges 005, 009 and 015. Results for discharges 008 and 013 were 5mg/l and 10 mg/l, respectively. No discharges that resulted in adequate sample quantities occurred from 016 and no discharge occurred from 017 during 2005.

- c. In November, Discharge 001D (Liquid Radioactive Waste Treatment System) annual grab samples for lithium, boron, and hydrazine were collected and analyzed. The results were 0.008 mg/l, 1480 mg/l, and 0.469 mg/l, respectively.

2. Facility Operating and Maintenance Manual

Pacific Gas and Electric Company (PG&E) maintains a multiple volume Plant Manual (manual) at DCPP that contains procedures used for operation and maintenance activities at the plant, including those activities that relate to wastewater handling, treatment, sampling, analysis and discharge.

Plant procedures are prepared and reviewed by DCPP Staff and approved by DCPP Management. DCPP conducts biennial internal audits that review NPDES Plant procedures contained in the manual. Ongoing reviews of Plant procedures are conducted to assure that the manual remains valid, current, and complete for the facility.

3. Laboratories Used to Monitor Compliance

The following laboratories were used during 2005 for monitoring compliance. They are certified under the appropriate agencies for the test/analyses they perform. As part of the on-going annual certification process, these laboratories take part in, and have passed, annual quality performance evaluation testing.

- a. PG&E Chemistry Laboratory, DCP, Avila Beach, California (Lab Certification # CA01036)
- b. Aquatic Bioassay Consultants, Ventura, California (Lab Certification # CA01907)
- c. FGL Environmental, Santa Paula, California (Lab Certification # CA00140)
- d. Creek Environmental, San Luis Obispo, California (Lab Certification # CA00975)
- e. Columbia Analytical Services, Kelso, Washington (Lab Certification # WA00035)

4. Review of Compliance Record and Corrective Actions

a. Circulating Water Pump Chlorination/Bromination Monitoring

The 2005 quarterly NPDES reports discuss chlorination cycles when discharge monitoring was interrupted. These are listed below with a brief description of the cause and corrective action. When these monitoring interruptions occurred, engineering evaluations (approved by the CCRWQCB January 13, 1994; PG&E Letter No. DCL-94-002) were performed. Detailed descriptions of these evaluations are included in the quarterly reports. The evaluations concluded that discharge chlorine limits were not exceeded in 2005.

| Date | Chlorination Cycle Monitoring interruptions | Chlorine disch ppb value | Cause | Corrective Action |
|----------------------|-----------------------------------------------|--------------------------|------------------------------------------------------|--------------------------------------|
| 01/17/05 to 01/20/05 | Unit 1 discharge monitor results not reliable | 47 | Sand, silt, & slime clogging supply line | Line flushed and cleaned. |
| 05/12/05 to 05/19/05 | Unit 1 discharge monitor results not accurate | 55 | Quality control sample was below lower control limit | Discharge monitor was re-calibrated. |
| 12/15/05 to 12/31/05 | Unit 1 discharge monitor results not accurate | 60 | Quality control sample was below lower control limit | Discharge monitor was re-calibrated. |

b. Closed Cooling Water Releases

PG&E received concurrence from the CCRWQCB in response to a letter dated July 19, 1995 (PG&E Letter DCL-95-156), for the use of the biocides glutaraldehyde and isothiazoline to control microbiological growth and corrosion in DCP's closed cooling water systems. Any drainage from these systems is discharged at a flow-rate such that the chronic toxicity level is below the "No Observable Effect Concentration" (NOEC) at NPDES Discharge 001. The volumes of cooling water drained in 2005 from the component cooling water (CCW), intake cooling water (ICW), and service cooling water (SCW) systems are presented below. The glutaraldehyde and isothiazoline concentrations presented in the table below are system concentrations, not concentrations discharged.

| Date | System | Volume (gal) | Glutaraldehyde (mg/l) | Isothiazoline (mg/l) | Reason & Comment |
|----------------------------|------------|--------------|-----------------------|----------------------|--------------------------------------------------------------|
| 02/14/05 | Unit 2 CCW | 175 | 132 | 2 | Routine maintenance. |
| 02/21/05 | Unit 2 CCW | 175 | 132 | 2 | Routine maintenance. |
| 05/01/05 | Unit 2 SCW | 1 | 191 | 3.9 | Routine maintenance. |
| 05/26/05 | Unit 2 SCW | 225 | 141 | 4.3 | Routine maintenance |
| 07/01/05 | Unit 1 ICW | 1,150 | 172 | 5.7 | Routine maintenance |
| 07/06/05 | Unit 2 ICW | 1,150 | 158 | 2.8 | Routine maintenance |
| 10/26/05 to 11/26/05 | Unit 1 SCW | 465 | 269 | 1.8 | Due to leaking valve – 15 gallons per day for 31 days. |
| 10/27/05 | Unit 1 SCW | 25 | 198 | 1.8 | Routine maintenance |
| 11/08/05 | Unit 1 SCW | 15 | 269 | 1.8 | Routine maintenance |
| 12/14/05 | Unit 2 SCW | 33,000 | 162 | 8.6 | Routine maintenance. |

c. Injections of sulfur hexafluoride (SF6)

Injections of sulfur hexafluoride (SF6) into DCP's condensers were performed to detect saltwater leaks during this year. CCRWQCB's Sorrel Marks concurred during conversations held in May 1996 that periodic use of SF6 would not increase DCP's probability of exceeding NPDES permit limitations.

| Date | Number of Injections | Duration (sec) | Injection Rate of SF6 (Standard Cubic Feet per Minute) |
|----------|----------------------|----------------|--------------------------------------------------------|
| 05/24/05 | 2 | 60 | 14 |
| 08/01/05 | 5 | 60 | 5 |

d. January

On January 16, 2005 a pipe burst at the onsite reverse osmosis plant releasing purified freshwater at approximately 225 gallons per minute into the ditch going to storm drain discharge point 005. The pipe burst some time during the night. In the worst case, the release would have lasted 13 hours before the rupture was discovered, and the water supply was shut down. This would have released a maximum of 175,500 gallons of purified freshwater. Regional Board staff were notified on January 20, 2005 after PG&E Environmental personnel were informed of the incident.

e. May

On May 10, 2005, oil and grease analysis of a sample from chemical drain tank 0-1 (CDT 0-1) by hexane extraction gave a result of 67 mg/L. This value apparently exceeded the monthly and daily limits (15 mg/L and 20 mg/L, respectively) for discharge pathway 001D. The CDT 0-1 had been discharged on April 10, 2005 based on the result of freon extraction analysis performed at that time which gave a non-detect result. Investigation showed that the greater result obtained with the hexane extraction method had been caused by the presence of liquid scintillation (LS) solution in the sample. The material's chemical composition makes it partially extractable by the hexane analysis method for oil and grease. This was verified by addition of a known amount of LS solution to a sample, followed by hexane extraction. Back calculation of the amount of LS solution in the CDT based on the recovery of the known addition agreed with the actual composition of the tank. For this reason, the 67 mg/L value has been determined to be a false positive result for oil and grease. Regional Water Quality Control Board staff were notified of the issue on May 11, 2005. To prevent recurrence of this event, all waste LS solution is being segregated for disposal by incineration at an approved off-site facility.

f. July

Two samples from flow path 001D were taken on July 6, 2005 for oil and grease analysis in the Diablo Canyon Power Plant laboratory. These samples were analyzed on August 12, 2005; nine days in excess of the 28-day maximum holding time. When analyzed, the results were a non-detect (<5 mg/L) and 7.4 mg/L. These results are well below both the 15 mg/L monthly average limit and the 20 mg/L daily maximum limit. Because the samples had been acidified and refrigerated since collection, it is unlikely that the values at 28 days would have been significantly different than results of the August 12, 2005 analysis.

One sample from flow path 001N was taken on July 8, 2005 for settleable solids analysis. The sample was received at the contract laboratory where it was to be analyzed later on that same day. However, the analysis was not performed until July 12, 2005; two days in excess of the 48-hour maximum holding time. The result of the analysis was a non-detect (< 0.1 ml/L). It is believed that exceeding the hold time had no significant effect on the result because detectable settleable solids have not historically been observed in flow path 001N at DCP. Therefore, it is unlikely that the monthly average limit of 1.0 ml/L or the daily maximum limit of 3.0 ml/L would have been approached had the analysis been performed as initially scheduled.

g. August

On August 17, 2005, an unusually high Total Suspended Solids (TSS) value of 110 mg/l for 001N was detected. Other TSS values for 001N during August were <5 mg/l, 9 mg/l, and 6 mg/l. Therefore, the monthly average for August was well below the limit of 60 ppb. Since, there is no maximum limit for TSS, and the monthly average remained well below the 60 mg/l limit, DCP did not exceed the TSS limit during for 001N.

h. October

An error at a contract laboratory resulted in the analysis of the suspended solids sample from discharge 001N being performed one day after the allowed 7-day holding time. The sample was taken on October 6, 2005 and was received at the contract laboratory for analysis on the same day. This was the second event of this type since July 1, 2005. The laboratory was requested to identify their corrective actions to prevent reoccurrence. The Laboratory's response was received on 12/2/05, and more documented attention to detail has been observed in that laboratory's reports.

In early October, clean freshwater from the Unit 1 condensate system was drained prior to maintenance on the system through discharge point 001F instead of 001J. This is the isolated section of the condensate system that cannot be drained via the normal pathway of 001J. The volume of this drainage was estimated at less than 2000 gallons, of which the majority was received by the turbine building sump that was ultimately released via discharge point 001F. A fraction of the volume was also received by the hold-up sump that seasonally discharges via point 009. Analysis results for total suspended solids and oil and grease from a representative sample before the system was drained were less than the respective method detection limits of 1.4 and 0.5 mg/L, respectively, and are reported in the October DSMR.

i. December

On January 6, 2006, the result for the weekly quality control (QC) check at the continuous chlorine monitor on Unit 1 at the 001 discharge was observed to be less than the lower acceptance limit for this test. Therefore, an engineering evaluation to verify the accuracy of Unit 1 chlorine values in late December was required. The engineering evaluation was performed for total residual chlorine back to the successful QC check on December 28, 2005. Conservative estimates from this evaluation were used to replace any questionable readings from the monitor. All of the actual or estimated results were well below the applicable discharge limit of 89 µg/L for the period.

B. Monitoring of Receiving Water

1. Ecological Studies at Diablo Canyon

Marine ecological monitoring was continued during 2005 under the Receiving Water Monitoring Program (RWMP) as requested in a letter from the Central Coast Regional Water Quality Control Board (CCRWQCB) dated December 9, 1998, and as detailed in a letter from PG&E dated January 8, 1999 (DCL-99-503). This program includes tasks from the Ecological Monitoring Program (EMP) with additional stations and increased sampling frequencies. This program replaces the EMP and the Thermal Effects Monitoring Program (TEMP). Several one-year-only tasks outlined in the above letters were completed in 1999 and were again not requested to be performed in 2005. Results of 2004 RWMP data were submitted to the CCRWQCB on April 29, 2005. A table in Appendix 4 summarizes requirements and completed tasks for 2005. One station in the fourth survey of Benthic Surveys was not completed due to poor ocean conditions from December 2005 through January 2005.

2. In Situ Bioassay

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

C. Sodium Bromide Treatment Program

DCCP continued its integrated sodium bromide and "foul release coating" strategy to control macrofouling in the Circulating Water System (CWS). The treatment program consists of six 20-minute injections (at four hour intervals) of a blend of generic sodium bromide and sodium hypochlorite into DCCP's intake conduits. Each injection attempts to achieve a target concentration of 200 parts per billion (ppb) Total Residual Oxidant (TRO) at the inlet waterbox of the condenser. Discharge TRO, measured at the plant outfall, remained below NPDES limitations, and typically were between approximately 20 ppb to 60 ppb. In conjunction with the chemical treatment, untreated portions of the cooling water system were previously painted with a non-toxic "foul release coating" to help prevent attachment of fouling organisms.

Both conduits of Unit 1 were treated throughout the first three quarters of 2005 with simultaneous injections of sodium bromide and sodium hypochlorite six times a day. There were brief interruptions in early January, early February (tunnel cleaning), late March, early April, June, and August for routine maintenance activities and one system operation error. After the first 10 days in October 2005, sodium bromide injections were shut down in preparation for the 1R13 refueling outage. Microfouling injections of sodium hypochlorite continued six times a day until October 21, 2005 when injections were shut down for the refueling outage. Simultaneous injections of sodium hypochlorite and sodium bromide were restarted near the end of November 2005 and continued through the rest of the quarter with one brief interruption due to dechlorination injection pump problems.

Both conduits of Unit 2 were treated throughout 2005 with simultaneous injections of sodium bromide and sodium hypochlorite six times a day with brief interruptions in treatment in early and late March, early April, August, mid-September (tunnel cleaning), and October due to routine maintenance activities and one system operation error.

APPENDIX 1

DIABLO CANYON POWER PLANT

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

APPENDIX 2

TABULAR SUMMARIES OF INFLUENT AND EFFLUENT MONITORING

APPENDIX 3

GRAPHICAL SUMMARIES OF INFLUENT AND EFFLUENT MONITORING

APPENDIX 4

SUMMARY OF RWMP MONITORING FOR 2005

| Study | RWMP Stations/ Surveys per Year | 1st Survey Completion Stations/ Dates | 2nd Survey Completion Stations/ Dates | 3rd Survey Completion Stations/ Dates | 4th Survey Completion Stations/ Dates |
|----------------------------|------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Horizontal Band Transects | 14 / 4x | Mar 8 | Jun 23 | Aug 19 | Dec 16 |
| Vertical Band Transects | 5 / 4x | Mar 9 | Jun 22 | Aug 1 | Dec 15 |
| Benthic Stations | 8 / 4x | May 13 | Jun 24 | Aug 10 | Dec 9 *** |
| Fish Observation Transects | 12 / 4x | May 26 | Jul 11 | Sep 8 | Dec 6 |
| Bull Kelp Census | * / 1x | | | | Oct 6 |
| Temperature Monitoring | 24 / ** | Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec |

* Diablo Cove census

** Temperature measured throughout the year at 20 minute intervals (14 intertidal and 10 subtidal stations).

*** One station in the fourth survey of Benthic Surveys was not completed due to poor ocean conditions from December 2005 through January 2006.

ENCLOSURE 2

ERRATA 2005

NPDES DISCHARGE MONITORING REPORTS FOR DIABLO CANYON POWER PLANT

ERRATA: July 2005 monitoring data Effluent 002: pH "Monthly Avg", "Monthly High", and "Monthly Low" were reported as 7.6, 7.6, and 7.6. The correct values are 7.8, 7.8, and 7.8, respectively.

The attached monitoring report page [PAGE: (M) 1] should replace the original July monitoring data page contained in the third quarter NPDES report PG&E DCL-2005-552, dated October 19, 2005.

ERRATA: November 2005 monitoring data Effluent 001D: Boron "Monthly Avg" was reported as 480. The correct value is 1480.

The attached monitoring report page [PAGE: (A) 3] should replace the original November monitoring data page contained in the fourth quarter NPDES report PG&E DCL-2006-501, dated January 19, 2006.

APPENDIX 1

DIABLO CANYON POWER PLANT

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

APPENDIX 2

TABULAR SUMMARIES OF INFLUENT AND EFFLUENT MONITORING

**2005 Annual Summary Report on Discharge Monitoring
at the
Diablo Canyon Power Plant**

DISCHARGE 001

| Month | TEMPERATURE (DEG F) | | | | | | FLOW (MGD) | | | | |
|--------|---------------------|------|------|----------|------|------|------------|------|------|------|------|
| | INFLUENT | | | EFFLUENT | | | DELTA T | | high | low | avg |
| | high | low | avg | high | low | avg | high | avg | | | |
| JAN | 57.8 | 56.6 | 57.3 | 78.0 | 76.4 | 77.2 | 20.4 | 19.9 | 2486 | 2486 | 2486 |
| FEB | 58.8 | 54.5 | 56.8 | 78.0 | 74.6 | 76.3 | 20.3 | 19.5 | 2486 | 1874 | 2445 |
| MAR | 57.8 | 51.0 | 56.3 | 77.9 | 70.6 | 75.9 | 20.6 | 19.6 | 2486 | 2486 | 2486 |
| APR | 54.2 | 48.8 | 51.1 | 73.8 | 68.3 | 70.5 | 19.6 | 19.5 | 2486 | 2486 | 2486 |
| MAY | 54.1 | 49.2 | 51.2 | 73.7 | 68.6 | 70.7 | 19.8 | 19.5 | 2486 | 2486 | 2486 |
| JUN | 52.8 | 49.3 | 51.1 | 72.5 | 69.1 | 70.9 | 20.2 | 19.1 | 2486 | 1990 | 2467 |
| JUL | 55.1 | 50.5 | 52.5 | 75.0 | 70.4 | 72.4 | 20.1 | 19.9 | 2486 | 2486 | 2486 |
| AUG | 57.1 | 53.3 | 55.7 | 77.3 | 73.7 | 75.8 | 20.6 | 20.1 | 2486 | 2486 | 2486 |
| SEP | 56.5 | 52.2 | 54.2 | 77.1 | 61.7 | 73.8 | 20.8 | 19.6 | 2486 | 1862 | 2379 |
| OCT | 55.2 | 50.8 | 53.4 | 75.3 | 59.7 | 72.8 | 20.9 | 19.3 | 2486 | 1279 | 2192 |
| NOV | 57.8 | 53.4 | 55.9 | 77.6 | 69.6 | 74.9 | 20.1 | 19.0 | 1891 | 1279 | 1389 |
| DEC | 57.2 | 53.3 | 55.8 | 77.1 | 63.8 | 74.1 | 20.1 | 18.3 | 2486 | 2486 | 2486 |
| limit: | - | - | - | - | - | - | 22 | - | 2760 | - | - |

The INFLUENT and EFFLUENT "high" and "low" values correspond to the highest and lowest daily average value for that month. The INFLUENT high and low does not necessarily correspond to the same day as the high and low for the EFFLUENT for that month. The "avg" for INFLUENT and EFFLUENT is the average for the entire month. The Monthly Delta T "high" is the highest Delta T for a day of the month based on daily average INFLUENT and EFFLUENT values. The "Avg" is calculated from INF and EFF monthly avg values.

DISCHARGE 001

| Month | TOTAL RESIDUAL CHLORINE (daily max. ug/l) | | | TOTAL CHLORINE USED (lbs/day) | | |
|-------|----------------------------------------------|-----|-----|----------------------------------|-----|-----|
| | high | low | avg | high | low | avg |
| JAN | 67 | <10 | 37 | 720 | 389 | 639 |
| FEB | 67 | <10 | 36 | 526 | 230 | 427 |
| MAR | 61 | <10 | 34 | 547 | 348 | 493 |
| APR | 51 | <10 | 32 | 461 | 346 | 395 |
| MAY | 73 | 11 | 36 | 461 | 379 | 415 |
| JUN | 50 | 11 | 30 | 446 | 350 | 410 |
| JUL | 50 | 10 | 29 | 670 | 353 | 496 |
| AUG | 60 | <10 | 27 | 734 | 168 | 668 |
| SEP | 61 | <10 | 36 | 662 | 461 | 588 |
| OCT | 62 | <10 | 35 | 518 | 154 | 409 |
| NOV | 39 | <13 | 13 | 504 | 245 | 339 |
| DEC | 80 | <10 | 45 | 576 | 384 | 501 |

Note that the residual chlorine limits in Permit CA0003751, Order 90-09 is a daily max of 200 ug/l and includes a time-based limit (per the Ocean Plan) which depends on the length of the respective chlorination cycle.

**2005 Annual Summary Report on Discharge Monitoring
at the
Diablo Canyon Power Plant**

DISCHARGE 001

METALS (monthly avg. ug/l)

| Month | CHROMIUM | | COPPER | | NICKEL | | *ZINC | |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Influent | Effluent | Influent | Effluent | Influent | Effluent | Influent | Effluent |
| JAN | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | 10 | ND(10) |
| FEB | ND(10) |
| MAR | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | 25 | ND(10) |
| APR | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | 72 | ND(10) |
| MAY | ND(10) | ND(10) | ND(10) | ND(10) | 12 | 16 | 20 | ND(10) |
| JUN | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | 17 | ND(10) |
| JUL | ND(10) |
| AUG | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | 23 | ND(10) |
| SEP | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | 10 | ND(10) |
| OCT | ND(10) |
| NOV | <10 | ND(10) | <10 | <10 | <10 | <10 | <10 | <10 |
| DEC | ND(10) |
| 6-month median limit: | | 10 | - | 10 | - | 30 | - | 70 |

* Note: Influent zinc has been historically higher than effluent concentrations.

**DISCHARGE 001
VARIOUS ANNUAL ANALYSES
(monthly avg. ug/l)**

| Parameter | Influent | Effluent | 6-Mo. Med. Effluent Limit |
|-----------------------------------|----------|----------|---------------------------|
| Arsenic | 1.3 | 1.2 | 30 |
| Cadmium | 0.15 | 0.04 | 10 |
| Cyanide | ND(10) | ND(10) | 30 |
| Lead | 1.72 | 0.04 | 10 |
| Mercury | ND(0.2) | ND(0.2) | 0.2 |
| Silver | ND(0.02) | ND(0.02) | 2.9 |
| Titanium | - | ND(10) | none |
| *Phenolic Cmpds (non-chlorinated) | ND(104) | ND(104) | 150 |
| **Phenolic Cmpds (chlorinated) | ND(49) | ND(49) | 10 |
| ***PCB's | ND(1.40) | ND(1.40) | none |

*Reporting limit [ND(104)] shown is the sum of individual Reporting Limits for 9 target compounds.
 **Reporting limit [ND(49)] shown is the sum of individual Reporting Limits for 6 target compounds.
 ***Reporting limit [ND(1.40)] shown is the sum of individual Reporting Limits for 7 target compounds.

**DISCHARGE 001
AMMONIA (as N) (ug/l)**

| Month | Influent | Effluent |
|-----------------------|----------|----------|
| JAN | | |
| FEB | | |
| MAR | ND(200) | ND(200) |
| APR | ND(200) | ND(200) |
| MAY | | |
| JUN | | |
| JUL | | |
| AUG | ND(200) | ND(200) |
| SEP | | |
| OCT | ND(200) | ND(200) |
| NOV | ND(50) | 60 |
| DEC | | |
| 6-month median limit: | | 3060 |

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MONTHLY pH (averages)

| Discharge: Month | 001 | | 002 | 003 | 004 | 001P |
|---------------------|----------|----------|-----|-----|-----|------|
| | Influent | Effluent | | | | |
| JAN | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 7.7 |
| FEB | 8.0 | 8.0 | 8.1 | 8.1 | 8.0 | 7.7 |
| MAR | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 7.7 |
| APR | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.6 |
| MAY | 7.8 | 7.8 | 7.9 | 7.9 | 8.0 | 7.6 |
| JUN | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 6.6 |
| JUL | 7.8 | 7.8 | 7.8 | 7.9 | 7.8 | 7.6 |
| AUG | 7.9 | 7.9 | 8.0 | 8.0 | 8.0 | 7.7 |
| SEP | 7.9 | 7.9 | 7.9 | 8.0 | 8.0 | 7.7 |
| OCT | 7.8 | 7.8 | 7.9 | 7.8 | 7.9 | 7.6 |
| NOV | 8.0 | 8.0 | 7.8 | 7.9 | 8.0 | 7.7 |
| DEC | 8.1 | 8.1 | 8.0 | 7.8 | 7.9 | 7.9 |

DISCHARGE 001F

| Month | GREASE & OIL (mg/l) | | SUSPENDED SOLIDS (mg/l) | |
|--------|---------------------|-------|-------------------------|-------|
| | high | avg | high | avg |
| JAN | <3 | <3 | 5 | 5 |
| FEB | <3 | <3 | 7 | 6 |
| MAR | 4 | 4 | 7 | 7 |
| APR | ND(5) | ND(5) | 6 | 6 |
| MAY | ND(5) | ND(5) | 7 | 6 |
| JUN | ND(5) | ND(5) | 7 | 7 |
| JUL | ND(5) | ND(5) | 6 | 6 |
| AUG | ND(5) | ND(5) | 5 | 5 |
| SEP | ND(5) | ND(5) | ND(5) | ND(5) |
| OCT | ND(5) | ND(5) | ND(5) | ND(5) |
| NOV | ND(5) | ND(5) | 7 | 6 |
| DEC | ND(5) | ND(5) | ND(5) | ND(5) |
| limit: | 20 | 15 | 100 | 30 |

Note: "high" limits based upon Daily Maximum limits. "avg" limits based upon Monthly Average Limits.

**DISCHARGE 001N
(Monthly Summary of Weekly Data)**

| Month | GREASE & OIL (mg/l) | | | SUSPENDED SOLIDS (mg/l) | | | SETTLABLE SOLIDS (ml/l) | | |
|--------|---------------------|-------|-------|-------------------------|-------|-----|-------------------------|---------|---------|
| | high | low | avg | high | low | avg | high | low | avg |
| JAN | 7 | ND(5) | <5 | 13 | 6 | 10 | ND(0.1) | ND(0.1) | ND(0.1) |
| FEB | 8 | ND(5) | <5 | 26 | 11 | 19 | ND(0.1) | ND(0.1) | ND(0.1) |
| MAR | ND(5) | ND(5) | ND(5) | 39 | ND(5) | 16 | ND(0.1) | ND(0.1) | ND(0.1) |
| APR | ND(5) | ND(5) | ND(5) | 14 | ND(5) | 8 | ND(0.1) | ND(0.1) | ND(0.1) |
| MAY | ND(5) | ND(5) | ND(5) | 23 | ND(5) | 13 | ND(0.1) | ND(0.1) | ND(0.1) |
| JUN | ND(5) | ND(5) | ND(5) | 18 | ND(5) | 10 | ND(0.1) | ND(0.1) | ND(0.1) |
| JUL | ND(5) | ND(5) | ND(5) | 11 | ND(5) | 7 | ND(0.1) | ND(0.1) | ND(0.1) |
| AUG | ND(5) | ND(5) | ND(5) | 110 | ND(5) | 31 | ND(0.1) | ND(0.1) | ND(0.1) |
| SEP | ND(5) | ND(5) | ND(5) | 12 | 8 | 10 | ND(0.1) | ND(0.1) | ND(0.1) |
| OCT | ND(5) | ND(5) | ND(5) | 21 | 9 | 14 | ND(0.1) | ND(0.1) | ND(0.1) |
| NOV | ND(5) | ND(5) | ND(5) | 56 | 19 | 42 | ND(0.1) | ND(0.1) | ND(0.1) |
| DEC | ND(5) | ND(5) | ND(5) | 31 | 7 | 17 | ND(0.1) | ND(0.1) | ND(0.1) |
| limit: | 20 | - | 15 | - | - | 60 | 3.0 | - | 1.0 |

Note: "high" limits based upon Daily Maximum limits. "avg" limits based upon Monthly Average limits.

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DISCHARGE 001D, H, L, F, METALS (avg. ug/l)

| Month | 001D | | | | 001 H | | | | 001L | | | | 001F | | | |
|-------|-------|--------|--------|----|--------|--------|--------|----|--------|--------|--------|--------|--------|--------|--------|--------|
| | Ag | Cd | Cr | Cu | Ag | Cd | Cr | Cu | Ag | Cd | Cr | Cu | Ag | Cd | Cr | Cu |
| JAN | <1 | 1 | 3 | 16 | ND(10) | 1 | <10 | 98 | ND(10) | ND(10) | 1 | 4 | ND(10) | 1 | ND(10) | 7 |
| FEB | | | | | | | | | | | | | | | | |
| MAR | | | | | | | | | | | | | | | | |
| APR | ND(1) | ND(10) | ND(10) | 21 | ND(2) | ND(10) | ND(10) | 25 | ND(1) | ND(10) | ND(10) | <10 | ND(2) | ND(10) | 15 | ND(10) |
| MAY | ND(1) | | | | ND(2) | | | | ND(1) | | | | ND(2) | | | |
| JUN | | | | | | | | | | | | | | | | |
| JUL | ND(1) | ND(10) | ND(10) | 17 | ND(1) | ND(10) | 30 | 37 | ND(1) | ND(10) | ND(10) | ND(10) | ND(1) | ND(10) | ND(10) | 12 |
| AUG | ND(1) | | | | | | | | | | | | | | | |
| SEP | | | | | | | | | | | | | | | | |
| OCT | ND(1) | ND(10) | ND(10) | 15 | ND(10) | ND(10) | 22 | 63 | ND(1) | ND(10) | ND(10) | <10 | ND(5) | ND(10) | ND(10) | 10 |
| NOV | | | | | | | | | | | | | | | | |
| DEC | | | | | | | | | | | | | | | | |

limit: none

Note: 001D, 001H and 001L analyses performed on quarterly composites. 001F analyses performed quarterly on a composite of weekly samples.

DISCHARGE 001D, H, L, F, METALS (avg. ug/l)

| Month | 001D | | | | 001 H | | | | 001L | | | | 001F | | | |
|-------|---------|----|--------|-----|---------|-----|--------|----|---------|--------|--------|--------|---------|----|--------|----|
| | Hg | Ni | Pb | Zn | Hg | Ni | Pb | Zn | Hg | Ni | Pb | Zn | Hg | Ni | Pb | Zn |
| JAN | ND(0.2) | 5 | 1.7 | 152 | 0.5 | 21 | 4 | 15 | 0.2 | 1 | 0.2 | 16 | 0.6 | <5 | 1 | 62 |
| FEB | | | | | | | | | | | | | | | | |
| MAR | | | | | | | | | | | | | | | | |
| APR | ND(0.1) | 17 | ND(10) | 337 | ND(0.1) | <10 | ND(10) | 20 | ND(0.1) | ND(10) | ND(10) | <10 | ND(0.1) | 24 | ND(10) | 19 |
| MAY | ND(0.1) | | | | ND(0.1) | | | | ND(0.1) | | | | ND(0.1) | | | |
| JUN | | | | | | | | | | | | | | | | |
| JUL | 0.2 | 26 | ND(10) | 260 | 0.2 | 19 | ND(10) | 20 | ND(0.1) | ND(10) | ND(10) | ND(10) | ND(0.1) | 25 | ND(10) | 18 |
| AUG | ND(0.1) | | | | | | | | | | | | | | | |
| SEP | | | | | | | | | | | | | | | | |
| OCT | ND(0.2) | 11 | ND(10) | 188 | ND(0.2) | 20 | ND(10) | 15 | ND(0.2) | ND(5) | ND(10) | ND(10) | ND(0.2) | 11 | ND(10) | 21 |
| NOV | | | | | | | | | | | | | | | | |
| DEC | | | | | | | | | | | | | | | | |

limit: none

Note: 001D, 001H and 001L analyses performed on quarterly composites, except for mercury (due to holding time). 001F analyses performed quarterly on a composite of weekly samples.

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**MONTHLY TOTAL SUSPENDED SOLIDS
Averages (mg/l)**

| Month | 001D* | 001G | 001H | 001I | 001J | 001K | 001L | 001M | 001P | 002 | 003 |
|--------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|
| JAN | <5 | ND(5) | ND(5) | | ND(5) | | ND(5) | | ND(5) | ND(5) | 7 |
| FEB | <5 | ND(5) | ND(5) | | | | ND(5) | 9 | ND(5) | ND(5) | ND(5) |
| MAR | 9 | ND(5) | ND(5) | | | | ND(5) | | ND(5) | <5 | 5 |
| APR | 6 | ND(5) | ND(5) | | | | ND(5) | | ND(5) | 5 | 13 |
| MAY | 10 | ND(5) | ND(5) | | | | ND(5) | 10 | 14 | ND(5) | ND(5) |
| JUN | 5 | ND(5) | ND(5) | | | | ND(5) | ND(5) | 6 | ND(5) | ND(5) |
| JUL | <5 | ND(5) | ND(5) | | | | ND(5) | | ND(5) | ND(5) | ND(5) |
| AUG | <5 | ND(5) | ND(5) | | | | ND(5) | | 7 | ND(5) | 5 |
| SEP | <5 | ND(5) | ND(5) | | | | ND(5) | 10 | ND(5) | ND(5) | 11 |
| OCT | <5 | ND(5) | ND(5) | | ND(5) | | ND(5) | | ND(5) | ND(5) | 8 |
| NOV | 9 | ND(5) | ND(5) | | ND(5) | | <5 | 7 | ND(5) | <5 | 5 |
| DEC | <5 | ND(5) | ND(5) | | ND(5) | | ND(5) | 6 | ND(5) | ND(5) | ND(5) |
| Limit: | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | - |

* Discharges from 001D are batched. Monthly averages are flow weighted.

Note: No discharges occurred from 001I and 001K during 2005.

Blank spots for other discharge points indicate that no discharge occurred during that particular month.

**QUARTERLY GREASE & OIL
Averages by Month (mg/l)**

| Month | 001D* | 001G | 001H | 001I | 001J | 001K | 001L | 001M | 001P | 002 | 003 | 004 |
|--------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|
| JAN | <3 | <3 | <3 | | <3 | | <3 | | <3 | <3 | <3 | <3 |
| FEB | | | | | | | | <3 | | | | |
| MAR | <3 | | | | | | | | | | | |
| APR | <5 | ND(5) | ND(5) | | | | ND(5) | | ND(5) | ND(5) | ND(5) | ND(5) |
| MAY | ND(5) | | | | | | | ND(5) | | | | |
| JUN | ND(5) | | | | | | | ND(5) | | | | |
| JUL | <5 | ND(5) | ND(5) | | | | ND(5) | | ND(5) | ND(5) | ND(5) | ND(5) |
| AUG | ND(5) | | | | | | | | | | | |
| SEP | ND(5) | | | | | | | ND(5) | | | | |
| OCT | ND(5) | ND(5) | ND(5) | | ND(5) | | ND(5) | | ND(5) | ND(5) | ND(5) | ND(5) |
| NOV | ND(5) | | | | ND(5) | | | ND(5) | | | | |
| DEC | | | | | | | | ND(5) | | | | |
| Limit: | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

* Discharges from 001D are batched. Monthly averages are flow weighted.

Note: No discharges occurred from 001I and 001K during 2005.

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**QUARTERLY ACUTE AND CHRONIC TOXICITY TESTING
(toxicity units, tu_a and tu_c)**

| Month | ACUTE | | *CHRONIC |
|-----------------------|-------------|----------------|-------------|
| | Test Result | 6-Month Median | Test Result |
| JAN | | | |
| FEB | 0.00 | 0.00 | 1.0 |
| MAR | | | |
| APR | | | |
| MAY | 0.00 | 0.00 | 1.0 |
| JUN | | | |
| JUL | | | |
| AUG | 0.00 | 0.00 | 1.0 |
| SEP | | | |
| OCT | 0.00 | 0.00 | 1.0 |
| NOV | | | |
| DEC | | | |
| 6-month median limit: | | 0.26 | 5.1 |

* It should be noted that this parameter is monitored for the State Ocean Plan instead of the NPDES permit. A value of 1.0 indicates no chronic toxicity.

**DISCHARGE 001N
ANNUAL ANALYSES**

| Sludge Parameter | Result | Limit |
|-------------------------|---------------|------------|
| Percent Moisture | 99% | None |
| Total Kjeldahl Nitrogen | 65 mg/kg | None |
| Ammonia (N) | 88 mg/kg | None |
| Nitrate (N) | ND(0.1) mg/kg | None |
| Total Phosphorus | 180 mg/kg | None |
| pH | 7.0 | None |
| Oil and Grease | 36 mg/kg | None |
| Boron | 0.74 mg/kg | None |
| Cadmium | 0.01 mg/kg | 10 X STLC* |
| Copper | 3.9 mg/kg | 10 X STLC |
| Chromium | 0.01 mg/kg | 10 X STLC |
| Lead | 0.13 mg/kg | 10 X STLC |
| Nickel | 0.01 mg/kg | 10 X STLC |
| Mercury | 0.009 mg/kg | 10 X STLC |
| Zinc | 7.3 mg/kg | 10 X STLC |
| Volume | 2.54 tons | None |

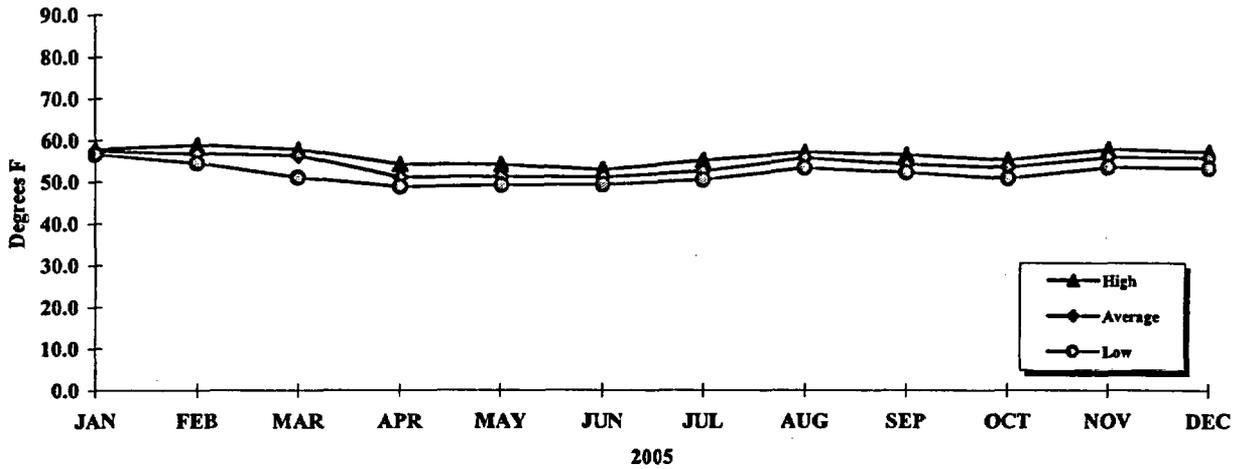
Note: Annual samples were collected in October
* STLC = Soluble Threshold Limit Concentration

APPENDIX 3

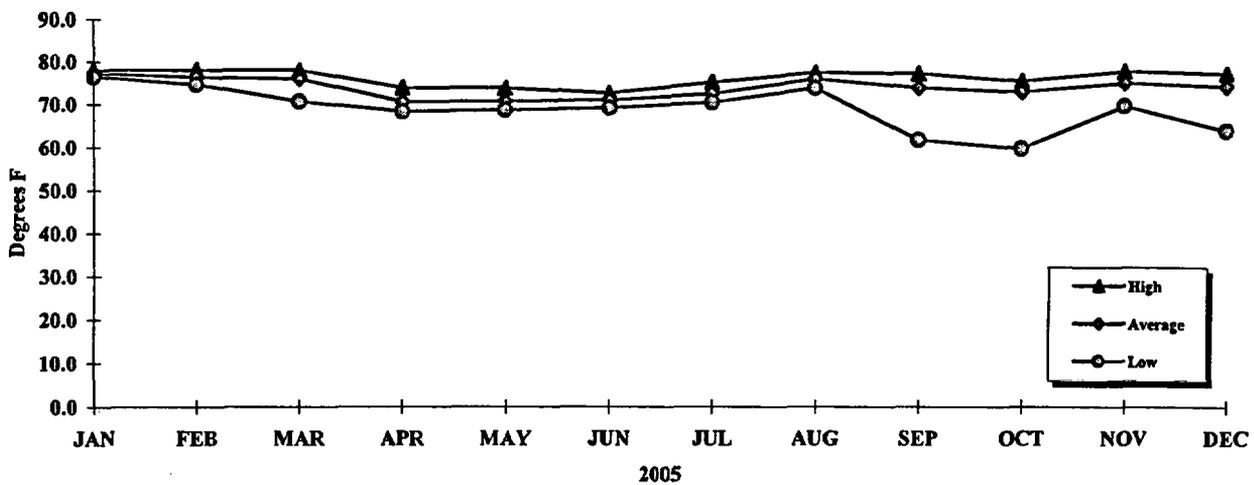
GRAPHICAL SUMMARIES OF INFLUENT AND EFFLUENT MONITORING

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DISCHARGE 001 INFLUENT
Temperature (°F)

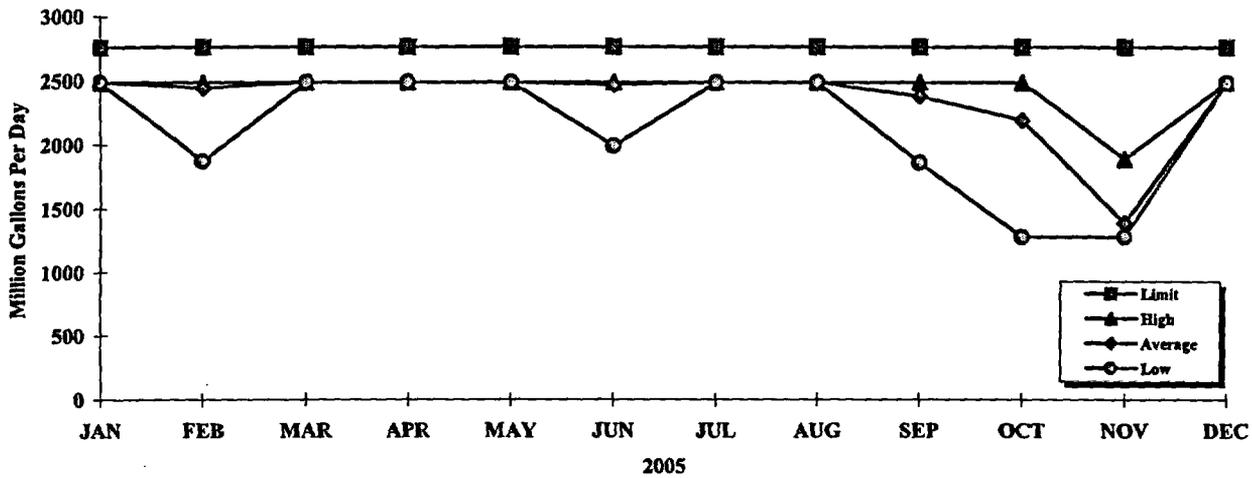


DISCHARGE 001 EFFLUENT
Temperature (°F)

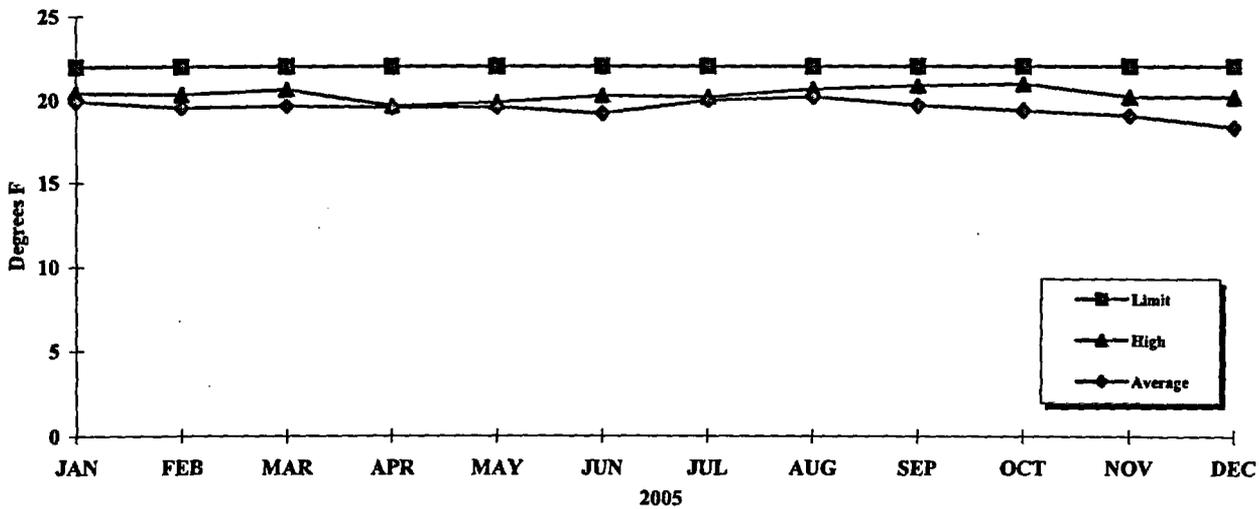


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DISCHARGE 001 EFFLUENT
Flow (MGD)



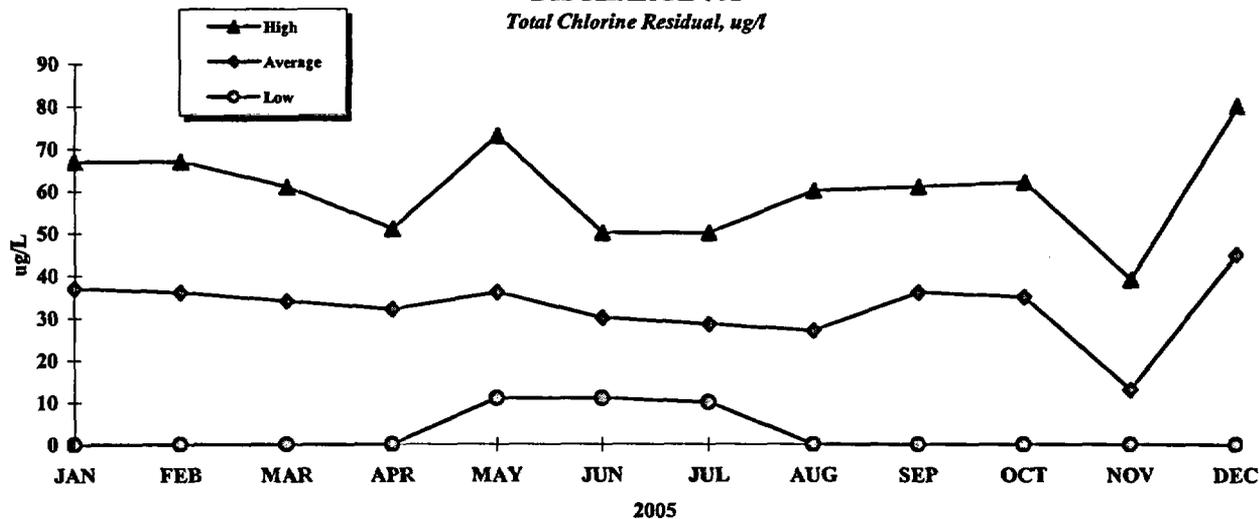
DISCHARGE 001 EFFLUENT
Monthly Delta T (°F)



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DISCHARGE 001

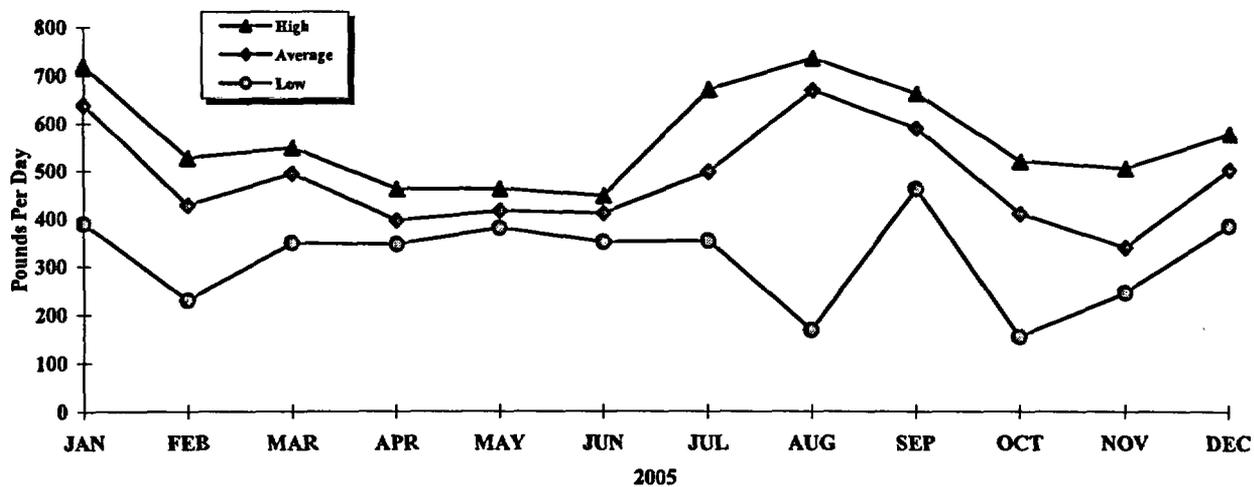
Total Chlorine Residual, ug/l



Note: Values plotted at zero were below the reporting limit.

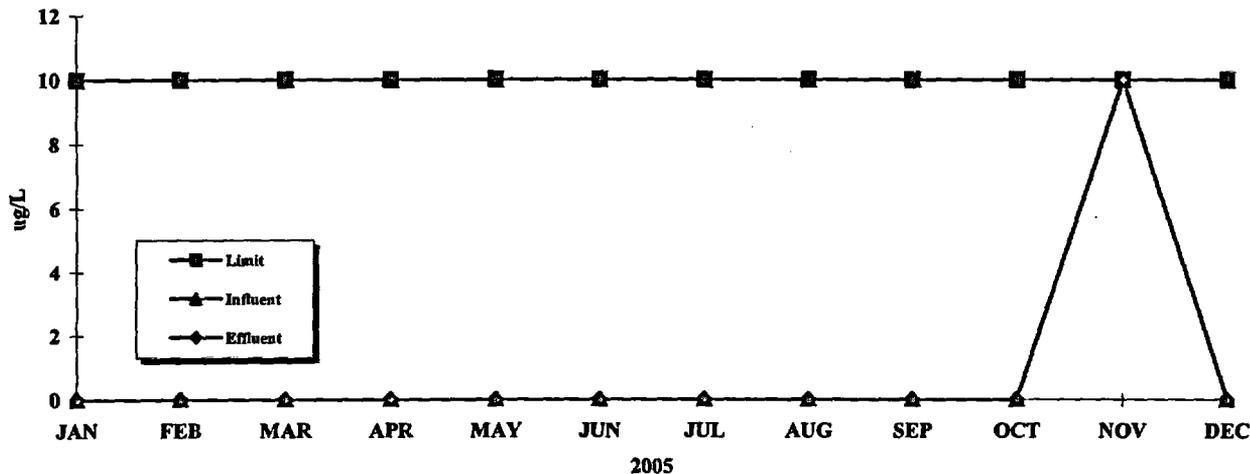
DISCHARGE 001

Total Chlorine Used, pounds per day



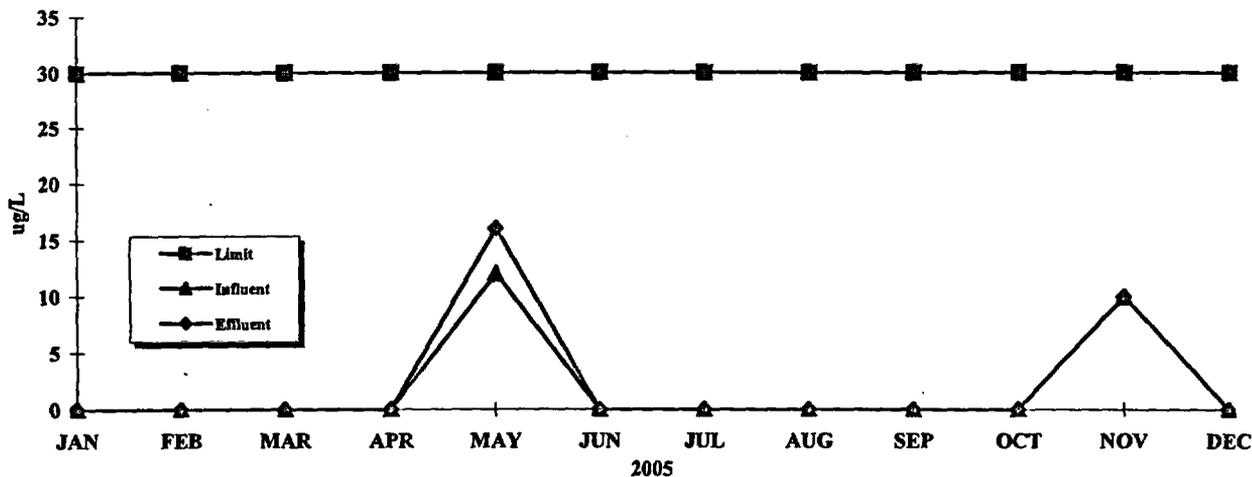
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DISCHARGE 001
Copper (monthly average, ug/l)



Note: The analyte was not detected at or above the reporting limit for values plotted at zero.
The 6-month median limit (the most conservative limit) is plotted on this chart.
The daily maximum limit for Copper is 50 ug/l.

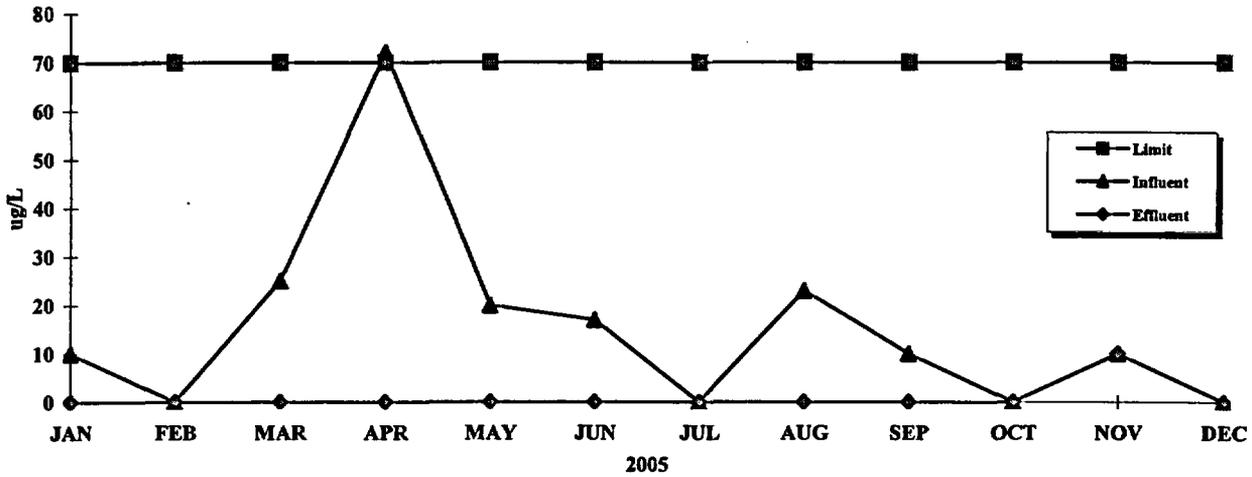
DISCHARGE 001
Nickel (monthly average, ug/l)



Note: The analyte was not detected at or above the reporting limit for values plotted at zero.
The 6-month median limit (the most conservative limit) is plotted on this chart.
The daily maximum limit for Nickel is 100 ug/l.

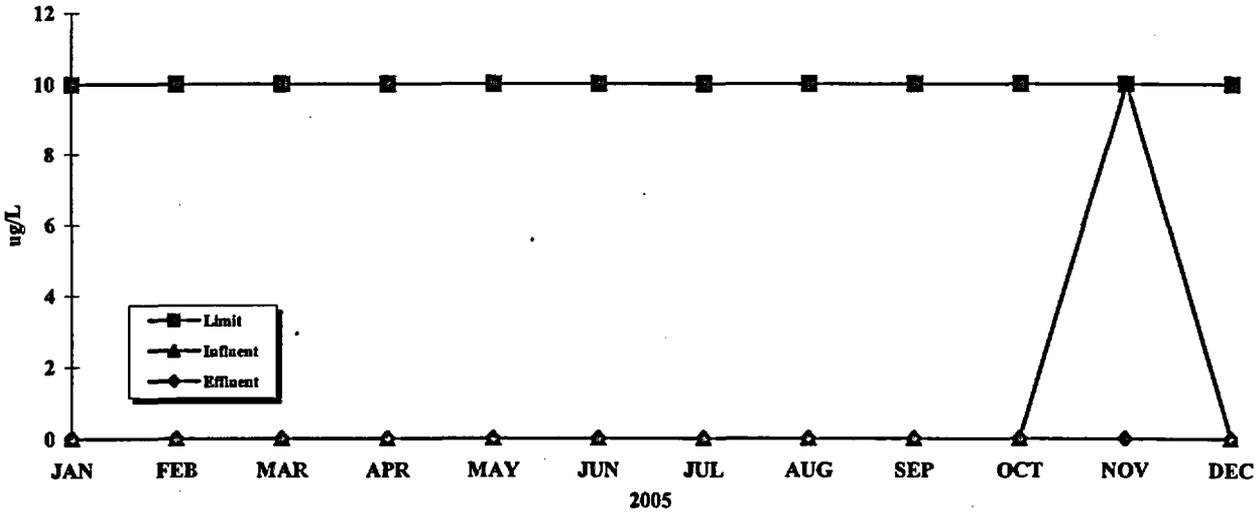
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DISCHARGE 001
Zinc (monthly average, ug/l)



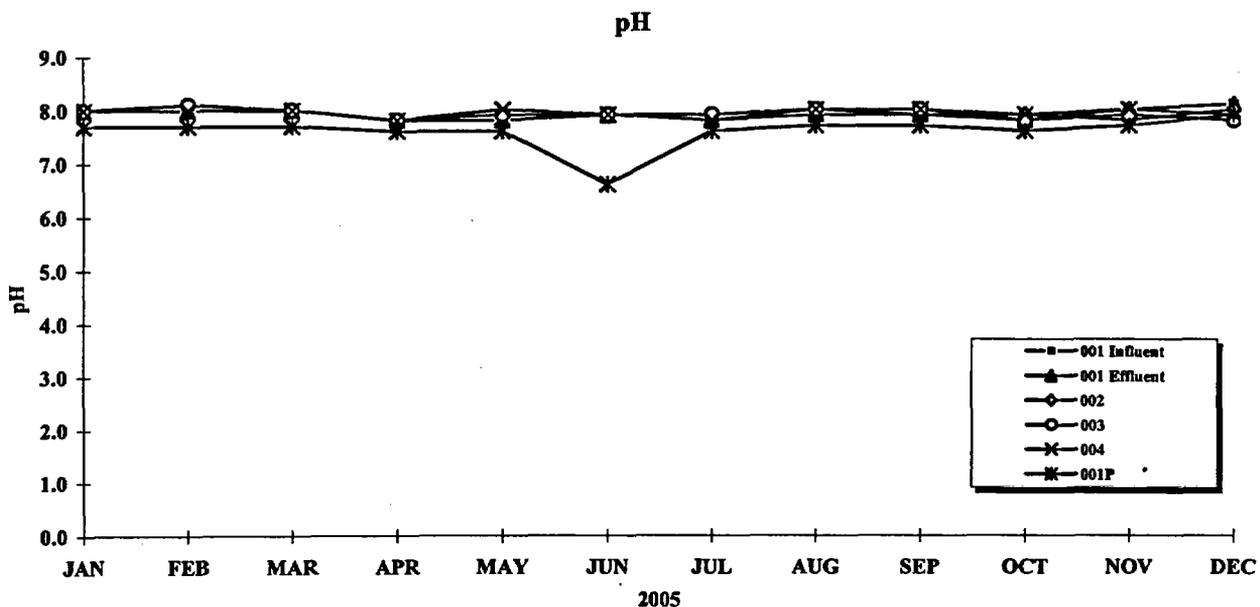
Note: The analyte was not detected at or above the reporting limit for values plotted at zero.
One influent value was above the 6-month median effluent limit, but the corresponding effluent result was well below the limit.
Both values were well below the daily maximum limit of 380 ug/l. The 6-month median limit is plotted on this chart.

DISCHARGE 001
Chromium (monthly average, ug/l)

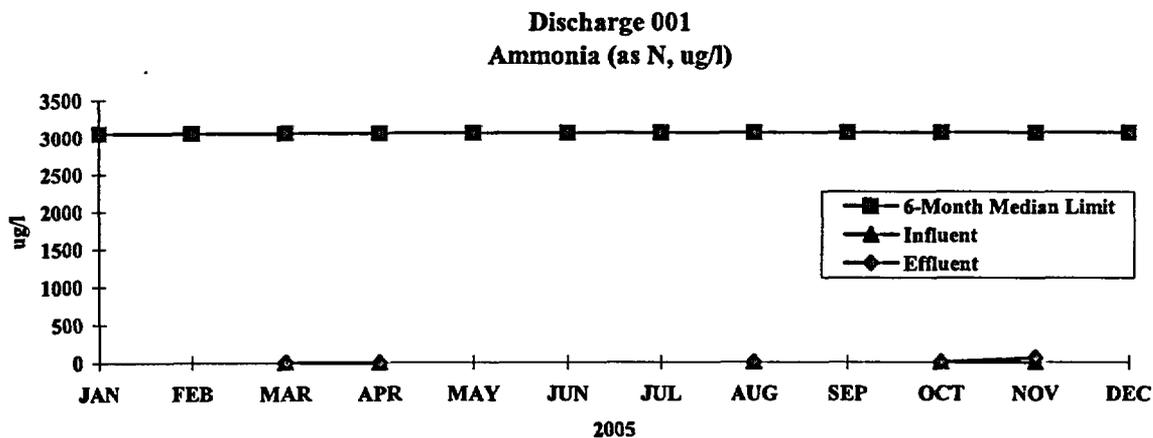


Note: The analyte was not detected at or above the reporting limit for values plotted at zero.
The 6-month median limit is plotted on this chart. The daily maximum limit for chromium is 40 ug/l.

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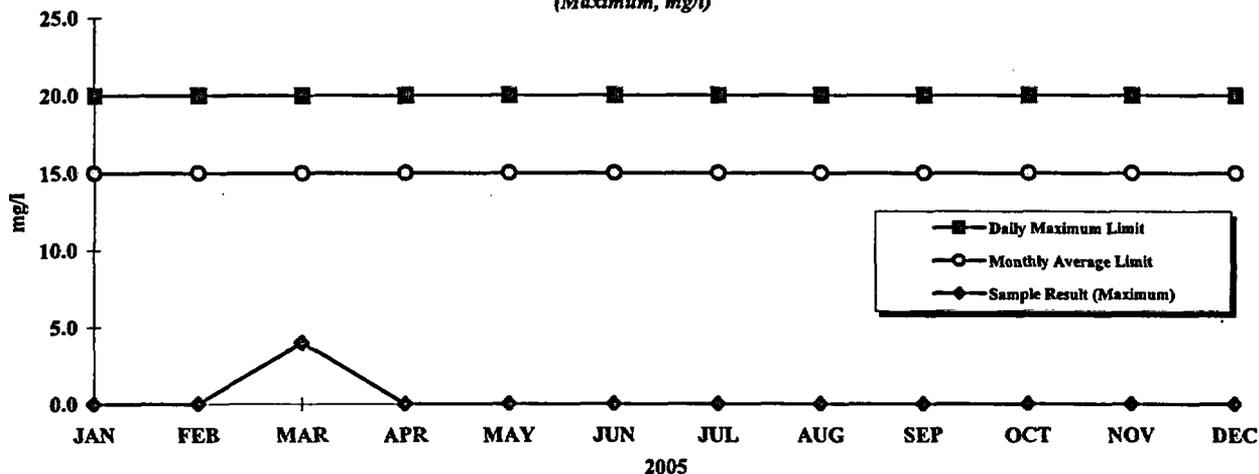
Note: Several data points on this chart overlap.



Note: The analyte was not detected at or above the reporting limit for values plotted at zero.
Influent and Effluent values overlap at three points on this plot.

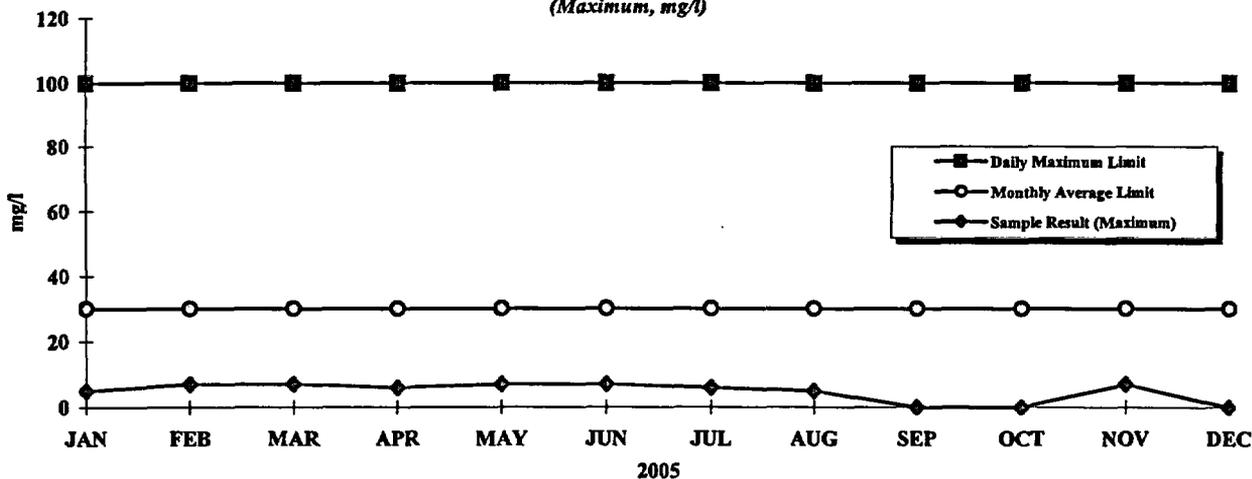
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**DISCHARGE 001F
Oil & Grease
(Maximum, mg/l)**



Note: Values plotted at zero were below the reporting limit. When sample values were above the detection limit, the maximum values are plotted (March).

**DISCHARGE 001F
Suspended Solids
(Maximum, mg/l)**

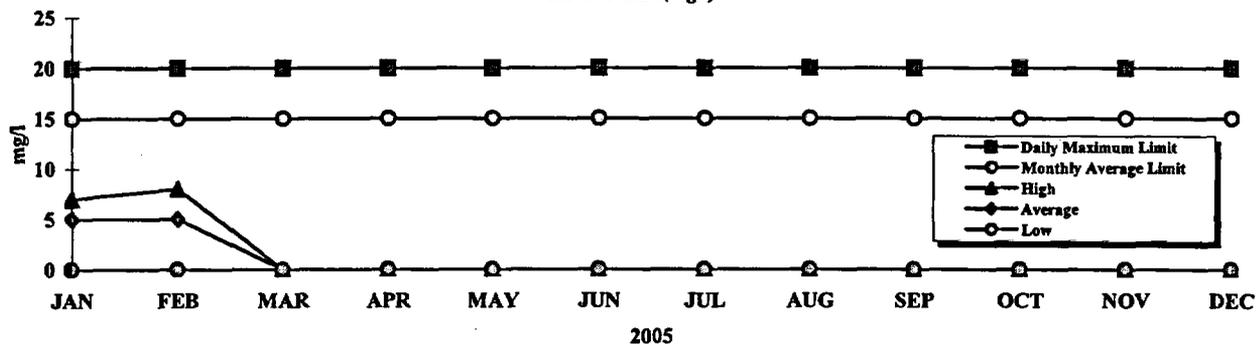


Note: The analyte was not detected at or above the reporting limit for values plotted at zero. When sample values were above the detection limit, the maximum values are plotted (February through August and November).

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DISCHARGE 001N

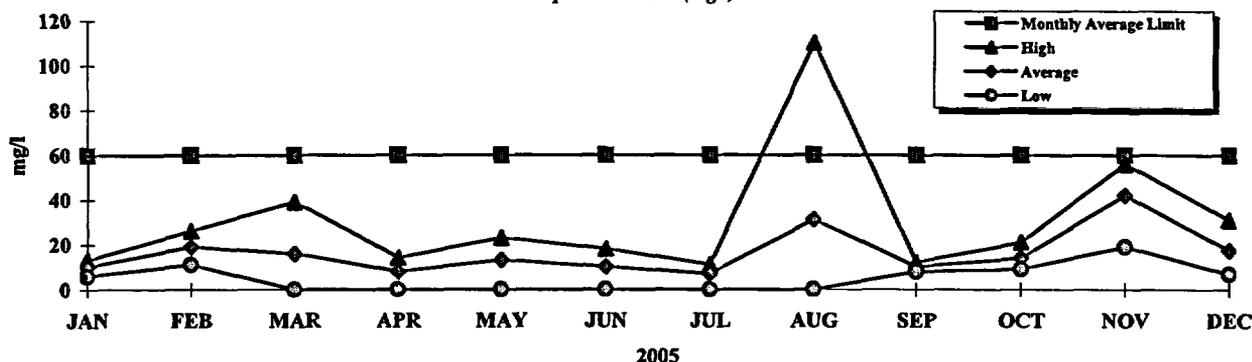
Oil & Grease(mg/l)



Note: Values plotted at zero were below the reporting limit.
High, low and average values overlap at ten points on this plot.

DISCHARGE 001N

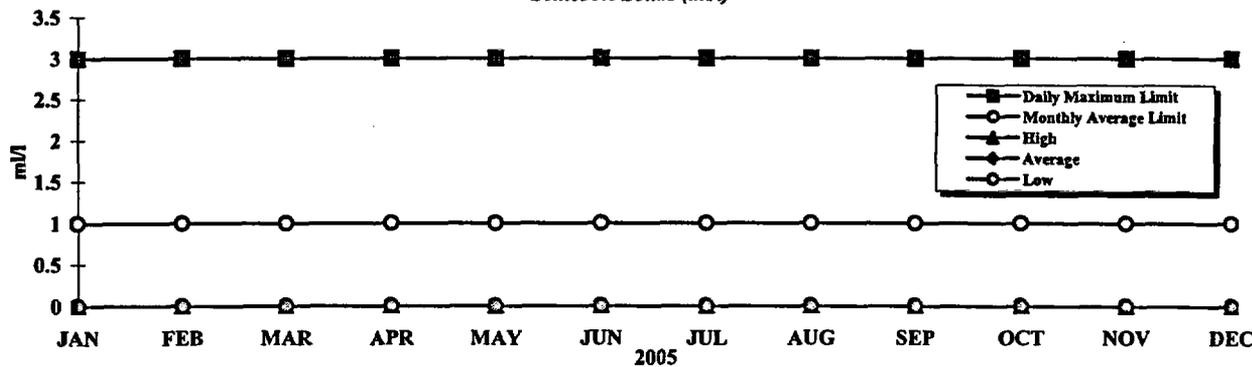
Suspended Solids (mg/l)



Note: Values plotted at zero were below the reporting limit. The average value in August was below the monthly average limit while maximum value was higher. There is no daily or monthly maximum limit for 001N Suspended Solids.

DISCHARGE 001N

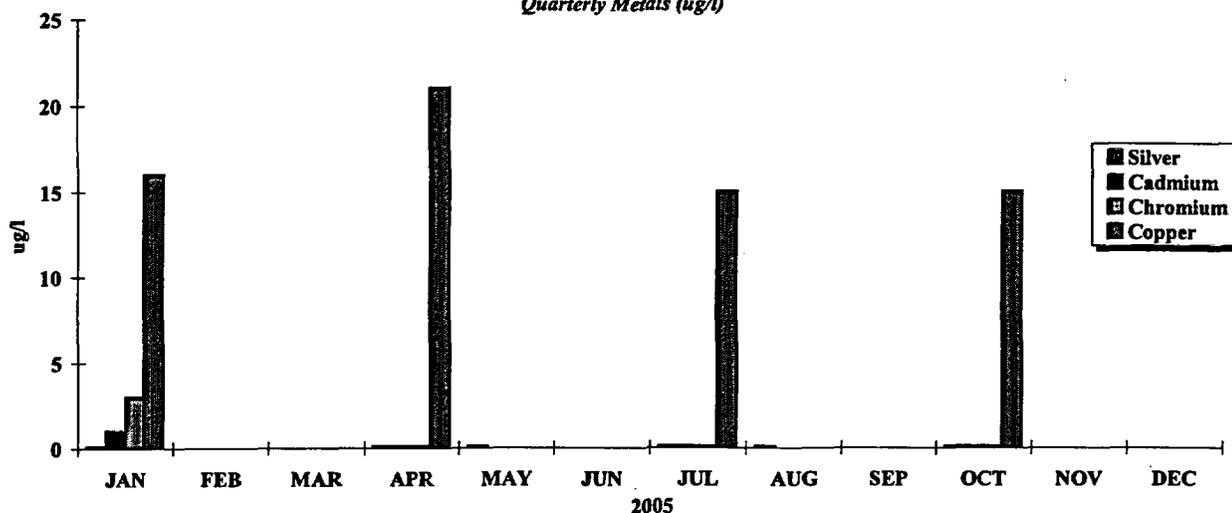
Settleable Solids (m/l)



Note: Values plotted at zero were below the reporting limit.
High, average, and low values overlap at twelve points on this plot.

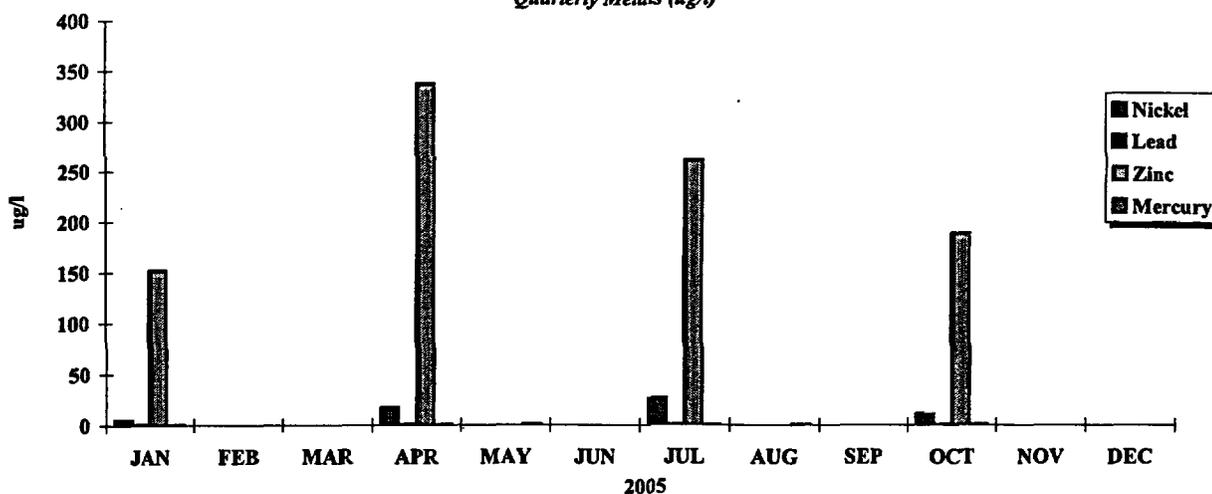
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DISCHARGE 001D
Quarterly Metals (ug/l)



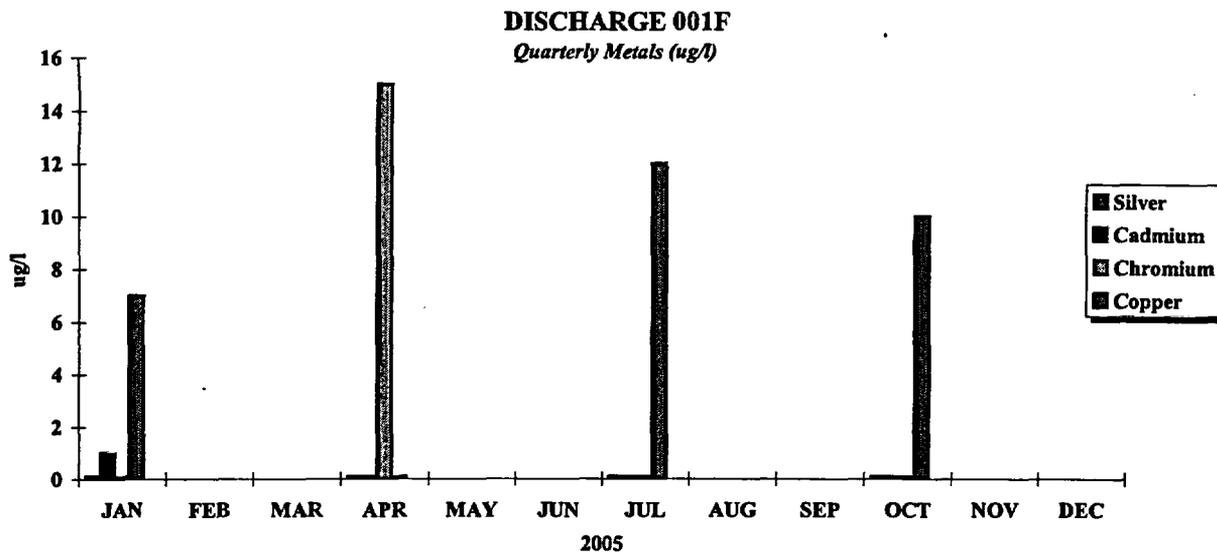
Note: The analyte was not detected at or above the reporting limit for values plotted at zero.

DISCHARGE 001D
Quarterly Metals (ug/l)

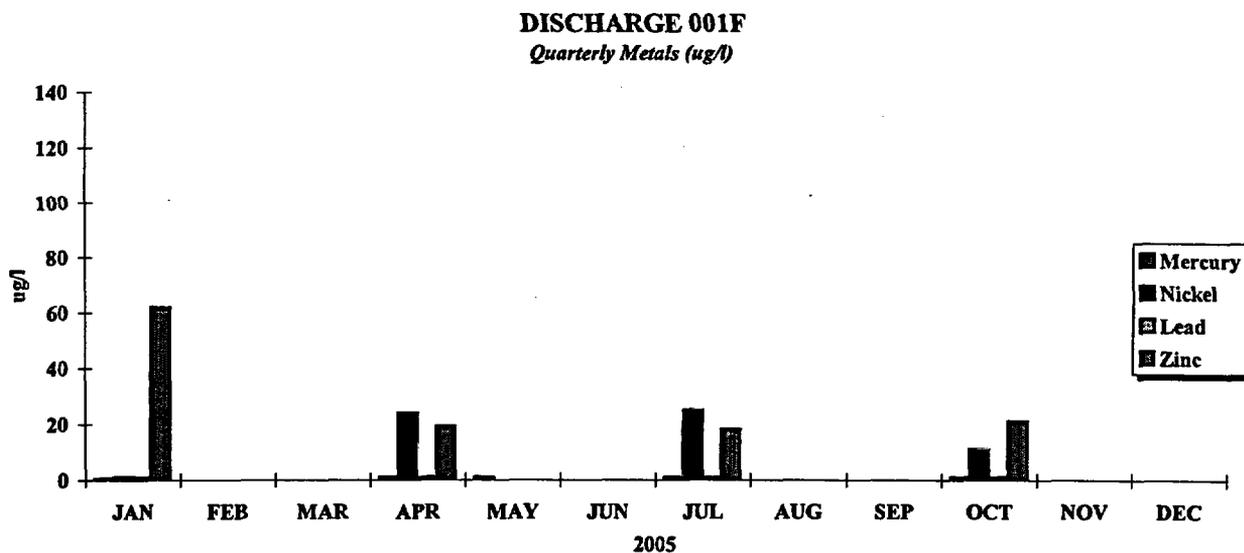


Note: The analyte was not detected at or above the reporting limit for values plotted at zero.

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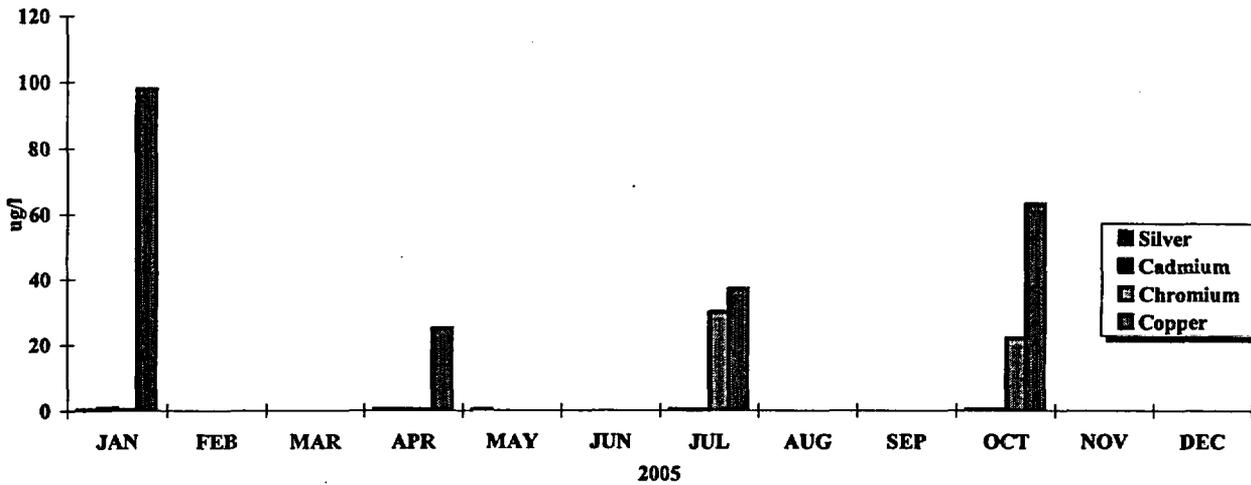
Note: The analyte was not detected at or above the reporting limit for values plotted at zero.



Note: The analyte was not detected at or above the reporting limit for values plotted at zero.

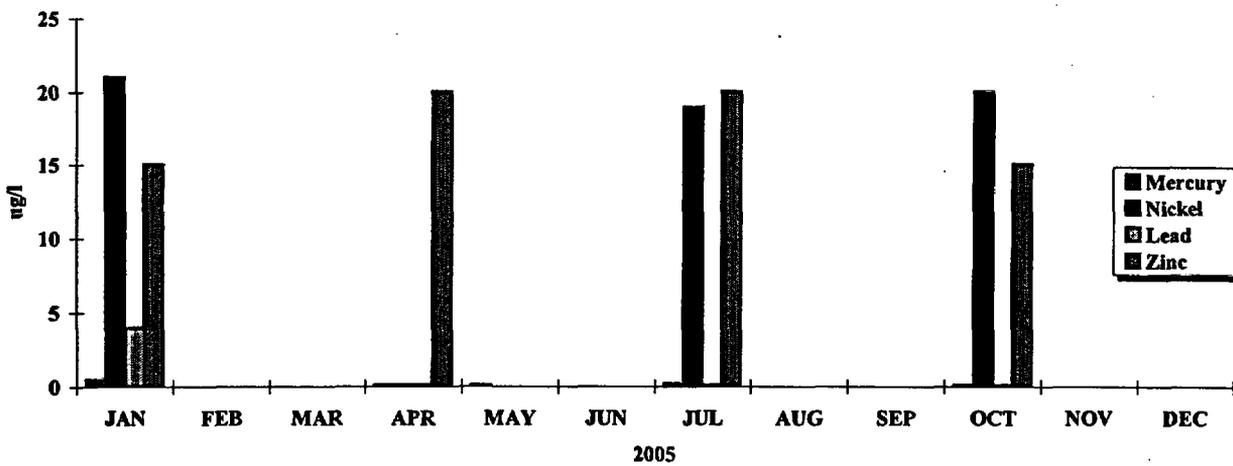
**2005 Annual Summary Report on Discharge Monitoring
at the
Diablo Canyon Power Plant**

DISCHARGE 001H
Quarterly Metals (ug/l)



Note: The analyte was not detected at or above the reporting limit for values plotted at zero.

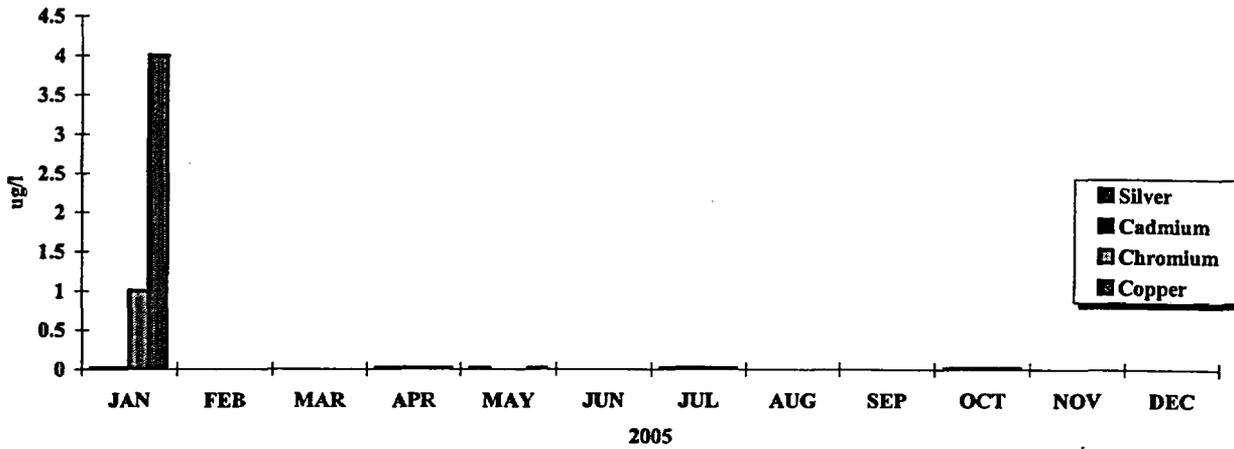
DISCHARGE 001H
Quarterly Metals (ug/l)



Note: The analyte was not detected at or above the reporting limit for values plotted at zero.

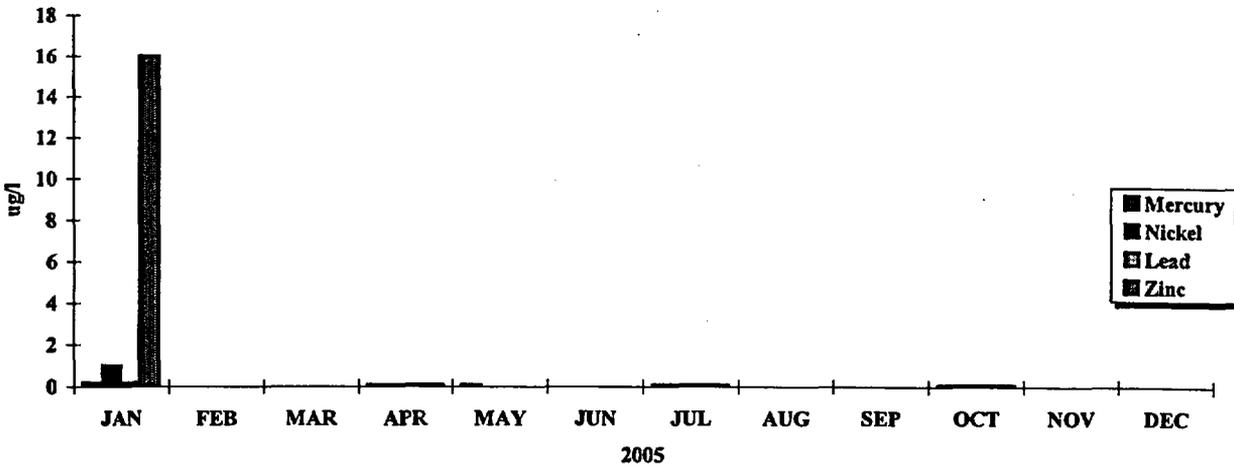
**2005 Annual Summary Report on Discharge Monitoring
at the
Diablo Canyon Power Plant**

DISCHARGE 001L
Quarterly Metals (ug/l)



Note: The analyte was not detected at or above the reporting limit for values plotted at zero.

DISCHARGE 001L
Quarterly Metals (ug/l)

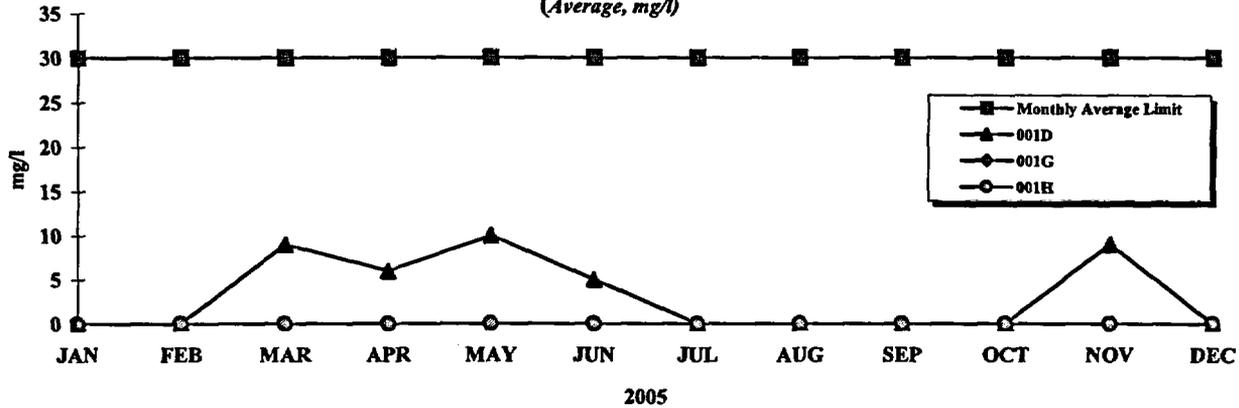


Note: The analyte was not detected at or above the reporting limit for values plotted at zero.

2005 Annual Summary Report on Discharge Monitoring at the Diablo Canyon Power Plant

MONTHLY TOTAL SUSPENDED SOLIDS

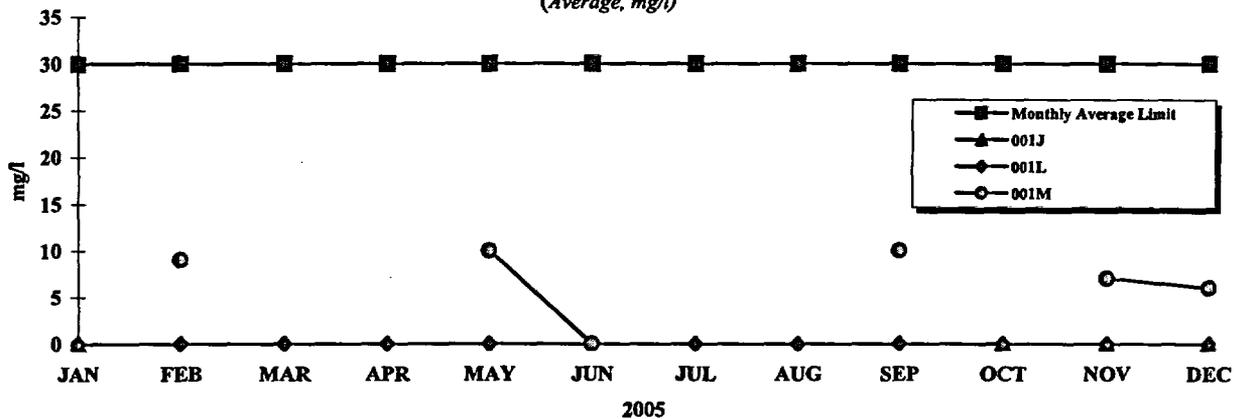
(Average, mg/l)



Note: Points on chart may overlap. Values plotted at zero were below the reporting limit.

MONTHLY TOTAL SUSPENDED SOLIDS

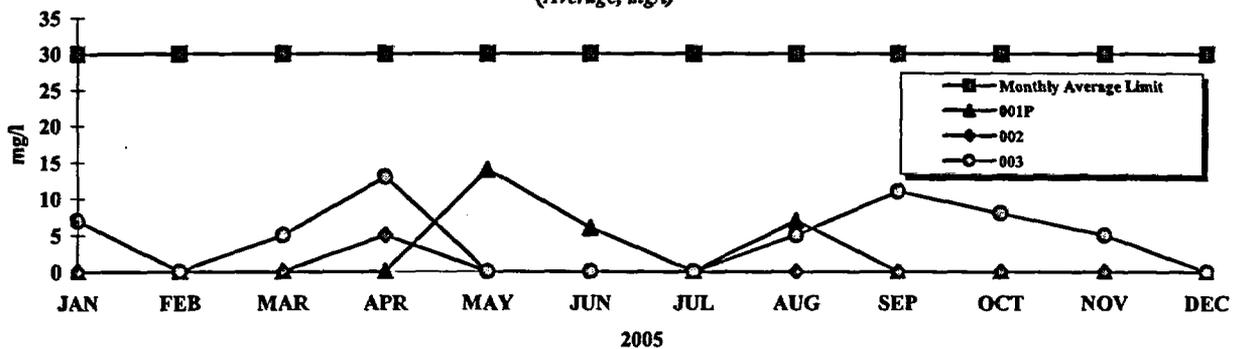
(Average, mg/l)



Note: Points on chart may overlap. Values plotted at zero were below the reporting limit.

MONTHLY TOTAL SUSPENDED SOLIDS

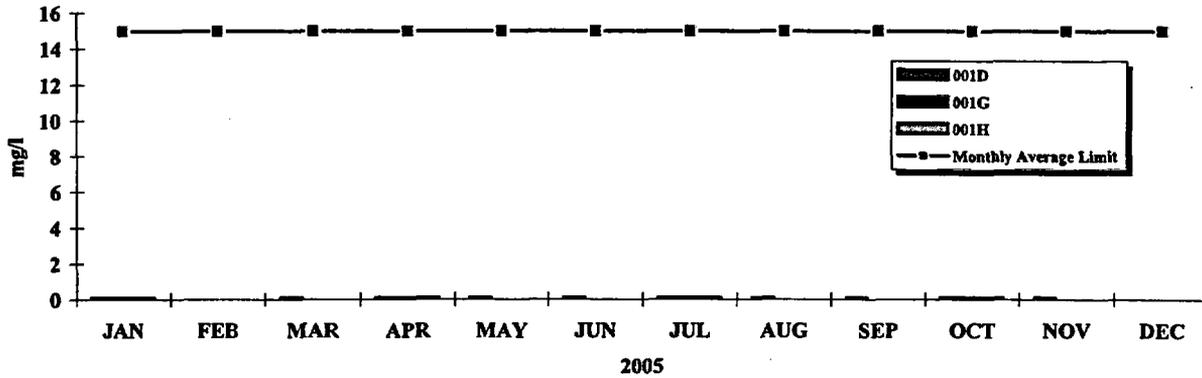
(Average, mg/l)



Note: Points on chart may overlap. Values plotted at zero were below the reporting limit.

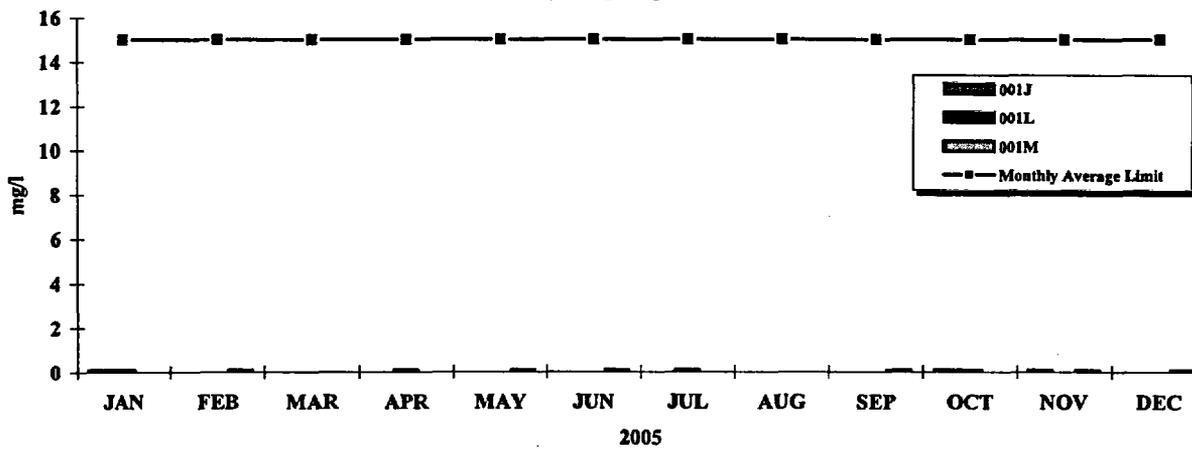
2005 Annual Summary Report on Discharge Monitoring at the Diablo Canyon Power Plant

QUARTERLY OIL & GREASE (Average, mg/l)



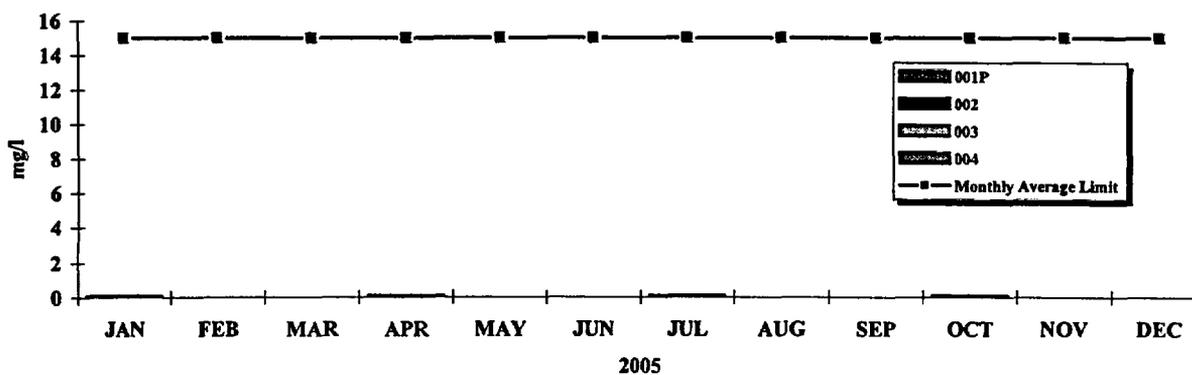
Note: Values plotted at zero were below the reporting limit.

QUARTERLY OIL & GREASE (Average, mg/l)



Note: Values plotted at zero were below the reporting limit.

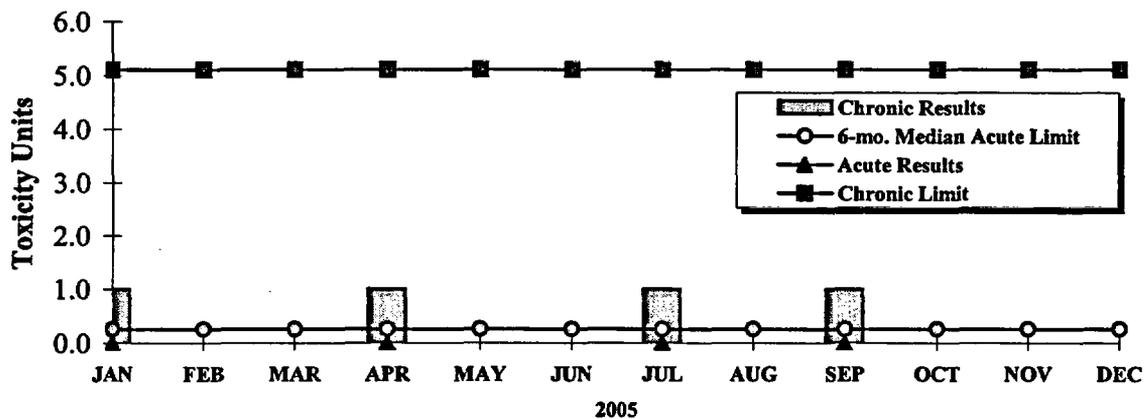
QUARTERLY OIL & GREASE (Average, mg/l)



Note: Values plotted at zero were below the reporting limit.

2005 Annual Summary Report on Discharge Monitoring
at the
Diablo Canyon Power Plant

ACUTE AND CHRONIC TOXICITY



APPENDIX 4

SUMMARY OF RWMP MONITORING FOR 2005

| Study | RWMP Stations/ Surveys per Year | 1st Survey Completion Stations/ Dates | 2nd Survey Completion Stations/ Dates | 3rd Survey Completion Stations/ Dates | 4th Survey Completion Stations/ Dates |
|----------------------------|------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Horizontal Band Transects | 14 / 4x | Mar 8 | Jun 23 | Aug 19 | Dec 16 |
| Vertical Band Transects | 5 / 4x | Mar 9 | Jun 22 | Aug 1 | Dec 15 |
| Benthic Stations | 8 / 4x | May 13 | Jun 24 | Aug 10 | Dec 9 *** |
| Fish Observation Transects | 12 / 4x | May 26 | Jul 11 | Sep 8 | Dec 6 |
| Bull Kelp Census | * / 1x | | | | Oct 6 |
| Temperature Monitoring | 24 / ** | Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec |

* Diablo Cove census

** Temperature measured throughout the year at 20 minute intervals (14 intertidal and 10 subtidal stations).

*** One station in the fourth survey of Benthic Surveys was not completed due to poor ocean conditions from December 2005 through January 2005.

ENCLOSURE 2

ERRATA 2005

NPDES DISCHARGE MONITORING REPORTS FOR DIABLO CANYON POWER PLANT

ERRATA: July 2005 monitoring data Effluent 002: pH "Monthly Avg", "Monthly High", and "Monthly Low" were reported as 7.6, 7.6, and 7.6. The correct values are 7.8, 7.8, and 7.8, respectively.

The attached monitoring report page [PAGE: (M) 1] should replace the original July monitoring data page contained in the third quarter NPDES report PG&E DCL-2005-552, dated October 19, 2005.

ERRATA: November 2005 monitoring data Effluent 001D: Boron "Monthly Avg" was reported as 480. The correct value is 1480.

The attached monitoring report page [PAGE: (A) 3] should replace the original November monitoring data page contained in the fourth quarter NPDES report PG&E DCL-2006-501, dated January 19, 2006.

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

DISCHARGE SELF MONITORING REPORT

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

PAGE: (M) 1

| FACILITY I.D. | YEAR / MO / DAY | | YEAR / MO / DAY | | STATE CODE | NPDES PERMIT # | | |
|-------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------|-----------------------------------------|--------------------------------------------------|----------------------------------------------|---------------------------------------------|
| 3 402003001 | BEGINNING | 05 / 07 / 01 | ENDING | 05 / 07 / 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 | 51.7 | 71.6 | 19.9 | 2486 | | | | |
| 2 | 52.1 | 72.1 | 20.0 | 2486 | | | | |
| 3 | 52.3 | 72.2 | 19.9 | 2486 | | | | |
| 4 | 52.2 | 72.2 | 20.0 | 2486 | | | | |
| 5 | 51.5 | 71.4 | 19.9 | 2486 | | | | |
| 6 | 51.0 | 70.8 | 19.8 | 2486 | | | | |
| 7 | 51.2 | 71.1 | 19.9 | 2486 | 7.8 | 7.8 | | |
| 8 | 51.3 | 71.2 | 19.9 | 2486 | | | | |
| 9 | 51.4 | 70.9 | 19.5 | 2486 | | | | |
| 10 | 51.0 | 70.9 | 19.9 | 2486 | | | | |
| 11 | 50.5 | 70.4 | 19.9 | 2486 | | | 2 | 7.8 |
| 12 | 52.2 | 72.2 | 20.0 | 2486 | | | | |
| 13 | 52.6 | 72.6 | 20.0 | 2486 | | | | |
| 14 | 51.5 | 71.4 | 19.9 | 2486 | | | | |
| 15 | 52.5 | 72.4 | 19.9 | 2486 | | | | |
| 16 | 53.2 | 73.3 | 20.1 | 2486 | | | | |
| 17 | 52.5 | 72.4 | 19.9 | 2486 | | | | |
| 18 | 52.3 | 72.3 | 20.0 | 2486 | | | | |
| 19 | 51.5 | 71.2 | 19.7 | 2486 | | | | |
| 20 | 51.9 | 71.8 | 19.9 | 2486 | | | | |
| 21 | 52.1 | 71.9 | 19.8 | 2486 | | | | |
| 22 | 52.1 | 71.9 | 19.8 | 2486 | | | | |
| 23 | 53.0 | 72.8 | 19.8 | 2486 | | | | |
| 24 | 53.9 | 73.8 | 19.9 | 2486 | | | | |
| 25 | 53.4 | 73.3 | 19.9 | 2486 | | | | |
| 26 | 53.4 | 73.3 | 19.9 | 2486 | | | | |
| 27 | 53.8 | 73.8 | 20.0 | 2486 | | | | |
| 28 | 54.6 | 74.6 | 20.0 | 2486 | | | | |
| 29 | 55.1 | 75.0 | 19.9 | 2486 | | | | |
| 30 | 54.7 | 74.7 | 20.0 | 2486 | | | | |
| 31 | 55 | 74.8 | 19.9 | 2486 | | | | |
| MONTHLY AVG | 52.5 | 72.4 | 19.9 | 2486 | 7.8 | 7.8 | 7.8 | 7.8 |
| MONTHLY HIGH | 55.1 | 75.0 | 20.1 | 2486 | 7.8 | 7.8 | 7.8 | 7.8 |
| MONTHLY LOW | 50.5 | 70.4 | 19.5 | 2486 | 7.8 | 7.8 | 7.8 | 7.8 |
| TIMES EXCEEDED | NO LIMIT | NO LIMIT | MAX 22 = 0 | MAX 2760 = 0 | NO LIMIT | NO LIMIT | NO LIMIT | NO LIMIT |
| TIMES EXCEEDED | | | (**) | | | | | |
| TIMES EXCEEDED | | | | | | | | |

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

PRINCIPAL EXECUTIVE OFFICER

DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT
Bryan Cunningham
DATE
10/19/2005

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 | 05 / 11 / 01 | ENDING | 05 / 11 / 30 | 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 008 OIL & GREASE mg/l GRAB OCTOBER |
| 1 | | | | | | | |
| 2 | ND(49) | ND(49) | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | 0.008 | 1480 | 0.469 | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| MONTHLY AVG | ** ND(49) | ** ND(49) | 0.008 | 1480 | 0.469 | | |
| MONTHLY HIGH | ND(49) | ND(49) | 0.008 | 1480 | 0.469 | | |
| MONTHLY LOW | ND(49) | ND(49) | 0.008 | 1480 | 0.469 | | |
| TIMES EXCEEDED | NO LIMIT | 6M-MED 10=0 | NO LIMIT | NO LIMIT | NO LIMIT | MO AVG 15=0 | MO AVG 15=0 |
| TIMES EXCEEDED | | DMAX 20=0 | | | | DMAX 20=0 | DMAX 20=0 |
| TIMES EXCEEDED | | IMAX 50=0 | | | | | |

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** REPORTING LIMIT FOR THIS PARAMETER IS THE SUM OF REPORTING LIMITS FOR 6 SEPARATE ANALYTES.

PRINCIPAL EXECUTIVE OFFICER

DAVID H. OATLEY

SIGNATURE OF AUTHORIZED AGENT
Bryan Cunningham
DATE
1/19/2006