Letter dated 11/20/85

PACIFIC GAS AND ELECTRIC COMPANY

NUCLEAR PLANT OPERATIONS

REPORT ON

DISCHARGE MONITORING AT

DIABLO CANYON POWER PLANT

DURING THE MONTH OF

OCTOBER 1985

8511260079 851031
PDR ADOCK 05000275
R PDR

IE25
1/1

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## OVERVIEW

During the month of October, discharges were made from discharge paths 001 (main circulating pumps), 001-B, 001-D, 001-F, 001-H, 001-J, 001-L, 002, 003, and 004. No discharges were made from discharge paths 001-A, 001-C, 001-E, 001-G, 001-I, 001-K, nor storm drains 005 through 013.

Chemical, radiochemical and toxicity analyses were performed in accordance with chemical analysis procedures contained in the Diablo Canyon Power Plant, Units 1 and 2 Plant Manual, Volume 8, or by state approved laboratories, or by laboratories approved by the Regional Board staff.

## SUMMARY OF MONITORING PROGRAM

### A. Monitoring of Plant Influent and Effluent

1. Results of monitoring of plant influent and effluent in October are reported on Form Q-2's found in Appendix 1.

2. Static bioassays for Discharge 001 was performed on October 7, 1985 (Appendix 2).

### B. Monitoring of Receiving Waters

#### 1. Ecological Studies at Diablo Canyon

Ecological studies in accordance with the Thermal Effects Monitoring Program (Provision D.4) continue.

#### 2. Sediment Analysis

Sediment samples were collected on September 26, 1985. Results of laboratory analysis, which were not available until October 31, 1985, are included in Appendix 3.

#### 3. Aerial Photography of Kelp Beds

Aerial photography (infrared film type 2443) of kelp beds in the vicinity of Diablo Canyon were taken October 23, 1985. Color transparencies of the photos are not ready for submittal with this report. They will be included in the November 1985 report.

#### 4. Surface Water Temperature

Measurement of surface water temperatures is not required until commercial operation of Unit 2.

#### 5. Stratified Water Temperatures

Stratified water temperatures recorded at one meter intervals are reported in Appendix 4. Sampling was conducted on October 17, 1985. A map is included showing sampling stations.

6. pH and Dissolved Oxygen of Receiving Waters

Results of pH and dissolved oxygen monitoring in the receiving waters is provided in Appendix 5. Also included is a map of station locations.

7. Incident Light Measurements

Subsurface light measurements are reported quarterly in the January, March, June, and September reports.

8. In situ Bioassay

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

# APPENDIX 1

## Monthly Influent and Effluent Monitoring

## October 1985

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
2. Use ballpoint pen or typewriter for data entry on forms.
3. Provide dates for beginning and ending in reporting period blocks.
4. Provide data as specified under column headings.
5. Enter monthly summary data (MONTHLY AVERAGE, MONTHLY HIGH, etc.).
6. Appropriate signature is required at the bottom of the form.
7. Remove COPY 3 and retain for your records.
8. Send COPY 2 to EPA, Region 9, San Francisco and COPY 1 to:

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

# CALIFORNIA STATE WATER RESOURCES CONTROL BOARD
# DISCHARGER SELF MONITORING REPORT

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS MONTHLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 1

Q2 | Transaction Code | Facility I.D. 3 402003001 | Year/Month for this report / | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/10/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. Day 85/08/05

| STATION DESCRIPTION | INFLUENT | EFFLUENT 001 | EFFLUENT 001 | INFLUENT | EFFLUENT 001 | EFFLUENT 002 | EFFLUENT 003 | EFFLUENT 004 |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | TEMPERATURE | TEMPERATURE | FLOW | PH | PH | PH | PH | PH |
| UNITS | DEGREES F | DEGREES F | MGD | PH UNITS | PH UNITS | PH UNITS | PH UNITS | PH UNITS |
| SAMPLE TYPE | METERED | METERED | RECORDED | GRAB | GRAB | GRAB | GRAB | GRAB |
| FREQUENCY | CONTINUOUS | CONTINUOUS | DAILY | MONTHLY | MONTHLY | MONTHLY | MONTHLY | MONTHLY |

| MONTH | DAY | * | 00011 | * | 00011 | * | 50050 | * | 00403 | * Grab Continuous | * | 00403 | * | 00403 | * | 00 |
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| | 2 | | 57.5 | | 77.0 | | 1210 | 1 | 8.0 | 1 8.0 7.9 | | | | | | |
| | 3 | | 58.4 | | 74.3 | | 1500 | | | 7.8 | | | | | | |
| | 4 | | 60.4 | | 74.4 | | 1830 | | | 7.8 | | | | | | |
| | 5 | | 59.6 | | 77.4 | | 1830 | | | 7.8 | | | | | | |
| | 6 | | 59.2 | | 74.7 | | 1830 | | | 7.8 | | | | | | |
| | 7 | | 58.3 | | 78.4 | | 1830 | 1 | 8.0 | 1 8.0 7.8 | | | | | | |
| | 8 | | 56.2 | | 70.0 | | 1830 | | | 7.9 | | | | | | |
| | 9 | | 56.1 | | 70.6 | | 1830 | | | 7.9 | 2 | 7.9 | | | 1 | 7.8 |
| | 10 | | 57.0 | | 71.3 | | 1830 | | | 7.9 | | | | | | |
| | 11 | | 57.6 | | 71.3 | | 1830 | | | 7.9 | | | | | | |
| | 12 | | 57.8 | | 69.2 | | 1830 | | | 8.0 | | | | | | |
| | 13 | | 55.1 | | 69.2 | | 1830 | | | 8.0 | | | | | | |
| | 14 | | 54.7 | | 69.5 | | 1740 | | | 8.0 | | | | | | |
| | 15 | | 54.4 | | 68.3 | | 1800 | | | 8.0 | | | | | | |
| | 16 | | 55.3 | | 69.7 | | 1830 | | | 8.1 | | | | | | |
| | 17 | | 54.4 | | 68.8 | | 1830 | | | 8.1 | | | | | | |
| | 18 | | 54.9 | | 68.8 | | 1940 | | | 8.0 | | | | | | |
| | 19 | | 54.5 | | 69.1 | | 2460 | | | 8.0 | | | | | | |
| | 20 | | 54.8 | | 68.4 | | 2460 | | | 8.0 | | | | | | |
| | 21 | | 56.6 | | 68.5 | | 2460 | | | 8.0 | | | | | | |
| | 22 | | 55.6 | | 67.4 | | 2260 | | | 8.0 | | | | | | |
| | 23 | | 55.1 | | 67.6 | | 2380 | | | 8.0 | | | | | | |
| | 24 | | 54.8 | | 70.2 | | 2130 | | | 8.0 | | | | | | |
| | 25 | | 54.2 | | 61.2 | | 1920 | | | 8.0 | | | | | | |
| | 26 | | 53.5 | | 60.5 | | 1990 | | | 8.0 | | | | | | |
| | 27 | | 54.9 | | 67.3 | | 2510 | | | 8.0 | | | | | | |
| | 28 | | 56.0 | | 69.1 | | 2270 | | | 8.0 | | | | | | |
| | 29 | | 55.3 | | 66.5 | | 2470 | | | 8.0 | | | | 1 | 7.5 | | |
| | 30 | | 55.3 | | 66.14 | | 2320 | | | 8.0 | | | | | | |
| | 31 | | 55.5 | | 67.5 | | 2180 | | | 8.0 | | | | | | |
| + MONTHLY AVERAGE | | | 56.1 | | 70.0 | | 1973 | | | 8.0 | | | | | | |
| MONTHLY HIGH | | | 60.4 | | 78.4 | | 2510 | | | 8.1 | | | | | | |
| MONTHLY LOW | | | 53.5 | | 60.5 | | 1210 | | | 7.8 | | | | | | |
| TOTAL RECORDINGS/MO. | | | 31 | | 31 | | 31 | | | 31 | | | | | | |
| REQUIREMENT #1 | | | | | MAXIMUM | | MAXIMUM 2760 | | | MINIMUM 6.0 | | MINIMUM 6.0 | | MINIMUM 6.0 | | MINIMUM 6.0 |
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| Times Exceeded | | | | | | | Ø | | | Ø | | Ø | | Ø | | Ø |
| REQUIREMENT #3 | | | | | 22 DEGREES | | | | | | | | | | | |
| Times Exceeded | | | | | | | | | | | | | | | | |

REMARKS-

*Enter number of samples

Typed Name of Principal Executive Officer

I declare under penalty of perjury that the foregoing is true and accurate, and that

85 10 20

REGIONAL

INSTRUCTIONS FOR DISCHARGER

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PAGE 2

Q2 | Transaction Code | Facility I.D. 3 4C2003001 | Year/Month for this report | Reporting Period: Beginning (Year Mo. Day) 85/10/01 | Ending 85/10/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed 85/08/05

| STATION DESCRIPTION | INFLUENT | EFFLUENT 001 | EFFLUENT 001 | EFFLUENT 001 | EFFLUENT 001 | INFLUENT | EFFLUENT 001 | EFFL 001F |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | TURBIDITY | TURBIDITY | T CHLOR RES | FREE AVL CHL | CHLORINEUSED | OIL & GREASE | OIL & GREASE | OIL & GREASE |
| UNITS | NTU | NTU | UG/L | UG/L | LBS/DAY | MG/L | MG/L | MG/L |
| SAMPLE TYPE | GRAB | GRAB | GRAB | GRAB | RECORDED | GRAB | GRAB | GRAB |
| FREQUENCY | MONTHLY | MONTHLY | 2 PER CYCLE | 2 PER CYCLE | MONTHLY | JA/AP/JUL/O | MONTHLY | MONTHLY |
| MONTH DAY | * 82079 | * 82079 | * | * | * 50059 | * 00552 | * 00552 | * 009 |
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| 6 | | | 9 66 | 9 5 | 219 | | | |
| 7 | | | 6 108 | 6 62 | 146 | | | |
| 8 | | | 9 108 | 9 90 | 219 | | | |
| 9 | | | 9 88 | 9 53 | 219 | | | |
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| 18 | | | 9 158 | 9 67 | 219 | | | |
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| 22 | | | 12 148 | 12 74 | 292 | | | |
| 23 | | | 12 75 | 12 71 | 292 | | | |
| 24 | | | 9 89 | 9 49 | 219 | | | |
| 25 | | | 9 187 | 9 63 | 219 | | | |
| 26 | | | 9 4 | 9 4 | 219 | | | |
| 27 | | | 12 64 | 12 5 | 292 | | | |
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| REQUIREMENT #1 | | | D MAX 200 | 30-D AV 200 | | | | MO AVG 15 |
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| REQUIREMENT #2 | | | 1 MAX 200 | D MAX 500 | | | | D MAX 20 |
| Times Exceeded | | | Ø | Ø | | | | Ø |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

REMARKS:

*Enter number of samples taken during the day

Typed Name of Principal Executive Officer: GUTIERREZ JAMES D

I declare under penalty of perjury that the foregoing is true and accurate, and that

W. Gutierrez 85.10.30

REGIONAL 3

INSTRUCTIONS FOR DISCHARGER

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CENTRAL COAST REGION
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DIABLO CYN NUCLEAR POWER PLANT

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| STATION DESCRIPTION | INFLUENT | EFFLUENT 001 | EFFL 001I | EFFL 001C | EFFL 001D | EFFL 001F | EFFL 001G | EFFL 001H |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE |
| UNITS | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L |
| SAMPLE TYPE | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB |
| FREQUENCY | JA/AP/JUL/O | MONTHLY | MONTHLY | MONTHLY | MONTHLY | MONTHLY | MONTHLY | MONTHLY |

| MONTH | DAY | * | 00530 | * | 00530 | * | 00530 | * | 00530 | * | 00530 | * | 00530 | * | 00530 | * | 00530 |
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REMARKS--

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| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
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| REQUIREMENT #1 | | | MO AVG 30 | MO AVG 30 | MO AVG 30 | MO AVG 30 | MO AVG 30 | MO AVG 30 |
| Times Exceeded | | | | | 0 | 0 | | 0 |
| REQUIREMENT #2 | | | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 |
| Times Exceeded | | | | | 0 | 0 | | 0 |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

*Enter number of samples taken during the day.

Typed Name of Principal Executive Officer: SHIFFER JAMES D.

I declare under penalty of perjury that the foregoing is true and accurate, and that the sampling procedure and analysis used for the column constituents was as specified in the Waste Discharge Order for this facility.

William A Shiffer
Signature of Principal Executive Officer or Authorized Agent

85,10,20
Yr Mo Day
Date

REGIONAL BOARD COPY 1

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
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| STATION DESCRIPTION | | EFFL 001J | EFFL 001K | EFFL 001L | EFFL 001M | EFFL 002 | EFFL 003A | INFLUENT | EFFLUENT 001 |
|---|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T NF RESIDUE | T CHROMIUM | T CHROMIUM |
| UNITS | | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L |
| SAMPLE TYPE | | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB |
| FREQUENCY | | MONTHLY | MONTHLY | MONTHLY | MONTHLY | MONTHLY | MONTHLY | JA/AP/JUL/O | MONTHLY |
| MONTH | DAY | * 00530 | * 00530 | * 00530 | * 00530 | * 00530 | * 00530 | * | * 01034 |
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| MONTHLY HIGH | | | | | | | | | |
| MONTHLY LOW | | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | | |
| REQUIREMENT #1 | | MO AVG 30 | MO AVG 30 | MO AVG 30 | MO AVG 30 | MO AVG 30 | MO AVG 30 | | 6M-MEAN 15 |
| Times Exceeded | | Ø | | Ø | | Ø | Ø | | Ø |
| REQUIREMENT #2 | | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | | D MAX 59 |
| Times Exceeded | | Ø | | Ø | | Ø | Ø | | Ø |
| REQUIREMENT #3 | | | | | | | | | I MAX 148 |
| Times Exceeded | | | | | | | | | Ø |

*Enter number of samples taken during the day.

Typed Name of Principal Executive Officer: SHIFFER JAMES D.

I declare under penalty of perjury that the foregoing is true and accurate, and that the sampling procedure and analysis used for the column constituents was as specified in the Waste Discharge Order for this facility.

Signature of Principal Executive Officer or Authorized Agent: William A Dolan

Date: 85,10,20 (Yr. Mo. Day)

REGIONAL BOARD COPY

1

INSTRUCTIONS FOR DISCHARGER

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AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS MONTHLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 5

Q2 | Transaction Code | Facility I.D. 3 402003001 | Year/Month for this report | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/10/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. Day 85/08/05

| STATION DESCRIPTION | INFLUENT | EFFLUENT 001 | INFLUENT | EFFLUENT 001 | INFLUENT | EFFLUENT 001 | INFLUENT | EFFLUENT 001 |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | COPPER | COPPER | NICKEL | NICKEL | ZINC | ZINC | AMMONIA (N) | AMMONIA (N) |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| SAMPLE TYPE | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB |
| FREQUENCY | JA/AP/JUL/O | MONTHLY | JA/AP/JUL/O | MONTHLY | JA/AP/JUL/O | MONTHLY | JA/AP/JUL/O | MONTHLY |
| MONTH DAY * | * 01042 | * | * 01067 | * | * 01092 | * | * 00610 | * |
| Oct. 1 | | | | | | | | |
| 2 | 1 < 1 | 1 < 1 | 1 < 1 | 1 < 1 | 1 11 | 1 16 | | |
| 3 | | | | | | | 1 0.04 | 1 0.07 |
| 4 | | | | | | | | |
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| 28 | | | | | | | | |
| 29 | | | | | | | | |
| 30 | | | | | | | | |
| 31 | | | | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | | 6M MEAN 24 | | 6M MEAN 148 | | 6M MEAN 97 | | 6M MEAN 4.44 |
| Times Exceeded | | Ø | | Ø | | Ø | | Ø |
| REQUIREMENT #2 | | D MAX 135 | | D MAX 592 | | D MAX 541 | | D MAX 17.8 |
| Times Exceeded | | Ø | | Ø | | Ø | | Ø |
| REQUIREMENT #3 | | I MAX 357 | | I MAX 1480 | | I MAX 1430 | | I MAX 44.4 |
| Times Exceeded | | Ø | | Ø | | Ø | | Ø |

REMARKS-

*Enter number of samples taken during the day.

Form 02 9/74

Typed Name of Principal Executive Officer: SHIFFER, JAMES D.
Last First MI

I declare under penalty of perjury that the foregoing is true and accurate, and that the sampling procedure and analysis used for the column constituents was as specified in the Waste Discharge Order for this facility.

William A Shiffer
Signature of Principal Executive Officer or Authorized Agent

85,10,20
Yr. Mo. Day
Date

REGIONAL BOARD COPY 1

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
2. Use ballpoint pen or typewriter for data entry on forms.
3. Provide dates for beginning and ending in reporting period blocks.
4. Provide data as specified under column headings.
5. Enter monthly summary data (MONTHLY AVERAGE, MONTHLY HIGH, etc.).
6. Appropriate signature is required at the bottom of the form.
7. Remove COPY 3 and retain for your records.
8. Send COPY 2 to EPA, Region 9, San Francisco and COPY 1 to:

CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS MONTHLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 6

Q2 | Transaction Code | Facility I.D. 3 40200300 1 | Year/Month for this report | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/10/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. Day 85/08/05

| STATION DESCRIPTION | EFFLUENT 001 | EFFL 001D | EFFL 001D | EFFL 001D | | | | |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | TITANIUM | LITHIUM | BORON | HYDRAZINE | | | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | | | | |
| SAMPLE TYPE | GRAB | ~~GRAB~~ MONTHLY COMP | ~~GRAB~~ MONTHLY COMP | GRAB | | | | |
| FREQUENCY | MONTHLY | MONTHLY | MONTHLY | MONTHLY | | | | |

| MONTH | DAY | * | | * | | * | | * | | * | | * | | * | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oct | 1 | | | | | | | | | | | | | | |
| | 2 | 1 | < 10 | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | |
| | 4 | | | | | | | 1 | 110 | | | | | | |
| | 5 | | | | | | | 1 | 210 | | | | | | |
| | 6 | | | | | | | 1 | 3200 | | | | | | |
| | 7 | | | | | | | | | | | | | | |
| | 8 | | | | | | | 1 | 17 | | | | | | |
| | 9 | | | | | | | | | | | | | | |
| | 10 | | | | | | | 3 | 1629 | | | | | | |
| | 11 | | | | | | | 1 | < 10 | | | | | | |
| | 12 | | | | | | | 1 | 365 | | | | | | |
| | 13 | | | | | | | 2 | < 5 | | | | | | |
| | 14 | | | | | | | 2 | 96 | | | | | | |
| | 15 | | | | | | | | | | | | | | |
| | 16 | | | | | | | 2 | 116 | | | | | | |
| | 17 | | | | | | | 1 | 230 | | | | | | |
| | 18 | | | | | | | 2 | 22 | | | | | | |
| | 19 | | | | | | | 1 | 64 | | | | | | |
| | 20 | | | | | | | 1 | 6034 | | | | | | |
| | 21 | | | | | | | | | | | | | | |
| | 22 | | | | | | | 2 | 2222 | | | | | | |
| | 23 | | | | | | | | | | | | | | |
| | 24 | | | | | | | 1 | 670 | | | | | | |
| | 25 | | | | | | | 1 | 13 | | | | | | |
| | 26 | | | | | | | | | | | | | | |
| | 27 | | | | | | | 2 | 40084 | | | | | | |
| | 28 | | | | | | | 1 | 320 | | | | | | |
| | 29 | | | | | | | | | | | | | | |
| | 30 | | | | | | | 1 | < 5 | | | | | | |
| | 31 | | | | | | | 3 | 15 | | | | | | |
| + MONTHLY AVERAGE | | | 123 | | 6.4E4 | | 2640 | | | | | | | | |
| MONTHLY HIGH | | | | | | | 40084 | | | | | | | | |
| MONTHLY LOW | | | | | | | < 5 | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | 21 | | | | | | | | |
| REQUIREMENT #1 / Times Exceeded | | | | | | | | | | | | | | | |
| REQUIREMENT #2 / Times Exceeded | | | | | | | | | | | | | | | |
| REQUIREMENT #3 / Times Exceeded | | | | | | | | | | | | | | | |

REMARKS- EFFL 001D LITHIUM AND BORON MONTHLY COMPOSITE FOR 10/1/85 to 10/31/85 WAS ANALYZED ON 11/7/85.

*Enter number of samples taken during the day.

Typed Name of Principal Executive Officer: SHIFFER (Last) JAMES (First) D. (MI)

I declare under penalty of perjury that the foregoing is true and accurate, and that the sampling procedure and analysis used for the column constituents was as specified in the Waste Discharge Order for this facility.

Signature of Principal Executive Officer or Authorized Agent: William A. Shiffer

Date: 85, 10, 30 (Yr Mo Day)

REGIONAL BOARD COPY 1

Form 02 8/74

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
2. Use ballpoint pen or typewriter for data entry on forms.
3. Provide dates for beginning and ending in reporting period blocks.
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8. Send COPY 2 to EPA, Region 9, San Francisco and COPY 1 to:

CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 1

Q2 | Transaction Code | Facility I.D. 3 402003001 | Year/Month for this report | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/12/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. Day 85/08/05

| STATION DESCRIPTION | EFFL 001C | EFFL 001D | EFFL 0016 | EFFL 001H | EFFL 0011 | EFFL 001J | EFFL 001K | EFFL 001L |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | OIL & GREASE | OIL & GREASE | OIL & GREASE | OIL & GREASE | OIL & GREASE | OIL & GREASE | OIL & GREASE | OIL & GREASE |
| UNITS | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L |
| SAMPLE TYPE | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB |
| FREQUENCY | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O |
| MONTH DAY | * 00552 | * 00552 | * 00552 | * 00552 | * 00552 | * 00552 | * 00552 | * 00552 |
| Oct. 1 | | | | | | | | 1 < 3 |
| 3 | | | | 1 < 3 | | | | |
| 6 | | | | | | 1 12 | | |
| 8 | | | | | | | | 1 < 3 |
| 13 | | | | 1 9.8 | | | | |
| 28 | | 1 < 3 | | | | | | |
| 30 | | | | | | 1 < 3 | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | MO AVG 15 | MO AVG 15 | MO AVG 15 | MO AVG 15 | MO AVG 15 | MO AVG 15 | MO AVG 15 | MO AVG 15 |
| Times Exceeded | | 0 | | 0 | | | | |
| REQUIREMENT #2 | D MAX 20 | D MAX 20 | D MAX 20 | D MAX 20 | D MAX 20 | D MAX 20 | D MAX 20 | D MAX 20 |
| Times Exceeded | | 0 | | 0 | | | | |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

REMARKS--

*Enter number of samples taken during the day.

Typed Name of Principal Executive Officer: SHIFFER JAMES D.

I declare under penalty of perjury that the foregoing is true and accurate, and that the sampling procedure and analysis used for the column constituents was as specified in the Waste Discharge Order for this facility.

William A Shiffer
Signature of Principal Executive

85, 10, 20
Yr Mo Day

REGIONAL BOARD COPY

1

INSTRUCTIONS FOR DISCHARGER

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# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.



Q2 | Transaction Code | Facility I.D. 3 40200300I | Year/Month for this report | Reporting Period, Beginning (Year Mo. Day) 85/10/01 | Ending 85/12/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed (Year Mo. Day) 85/08/05

| STATION DESCRIPTION | EFFL 001H | EFFL 002 | EFFL 003A | INFLUENT | EFFL 004 | INFLUENT | EFFLUENT 001 | EFFLUENT 001 |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | OIL & GREASE | OIL & GREASE | OIL & GREASE | CHLOR PHENOL | OIL & GREASE | PHENOLIC CMP | PHENOLIC CMP | CHLOR PHENOL |
| UNITS | MG/L | MG/L | MG/L | µG/L | MG/L | µG/L (NONCL) | UG/L (NONCL) | UG/L |
| SAMPLE TYPE | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB |
| FREQUENCY | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | OCTOBER | JA/AP/JUL/O | OCTOBER | JA/AP/JUL/O | JA/AP/JUL/O |
| MONTH DAY | * 00552 | * 00552 | * 00552 | * | * 00552 | * | * | * |
| Oct. 2 | | | | 1 < 10 | | 1 < 5 | 1 < 5 | 1 < 10 |
| 9 | | 2 4.5 | | | 1 < 3 | | | |
| 29 | | | 1 < 3 | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | MO AVG 15 | MO AVG 15 | MO AVG 15 | | MO AVG 15 | | 6M MEAN 222 | 6M MEAN 10 |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #2 | D MAX 20 | D MAX 20 | D MAX 20 | | D MAX 20 | | D MAX 888 | D MAX 30 |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #3 | | | | | | | I MAX 2200 | I MAX 70 |
| Times Exceeded | | | | | | | | |

REMARKS: 1

*Enter number of samples taken during the quarterly.

Typed Name of Principal Executive Officer: SHIFFER JAMES D.

I declare under penalty of perjury that the sampling procedure and analysis conform to those specified in the Waste Discharge Order for this facility. The information recorded on the column constituents was as specified in the Waste Discharge Order for this facility.

William A. Skokan
Signature of Principal Executive Officer or Authorized Agent

85/10/20
Yr Mo Day
Date

REGIONAL BOARD COPY 1

INSTRUCTIONS FOR DISCHARGER

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# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.



Q2 | Transaction Code | Facility I.D. 3 402003001 | Year/Month for this report / | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/12/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. Day 85/08/05

| STATION DESCRIPTION | EFFLUENT 001 | EFFLUENT 001 | EFFLUENT 005 | EFFLUENT 001 | EFFL 001D | EFFL 001F | EFFL 001H | EFFL 001L |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME / UNITS | TOX CONCEN TU | PCB'S UG/L | PCB'S UG/L | DIS OXYGEN MG/L | CADMIUM UG/L | CADMIUM UG/L | CADMIUM UG/L | CADMIUM UG/L |
| SAMPLE TYPE | GRAB | GRAB | GRAB | GRAB | QTRLY COMP | WEEKLY COMP | QTRLY COMP | QTRLY COMP |
| FREQUENCY | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O |
| | * 61406 | * 39516 | * 39516 | * 00300 | * 01027 | * 01027 | * 01027 | * 01 |
| MONTH DAY | | | | | | | | |
| Oct. 2 | | 1 < 2.4 | | | | | | |
| 3 | | | | 1 7.8 | SEE REMARKS | | | |
| 7 1 | NO MORTALITIES | | | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | 6M MEAN 0.37 | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #2 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

REMARKS: EFFL 001D - THE RESULTS OF THE QUARTERLY COMPOSITE FOR THE 3rd QUARTER 1985 WAS REPORTED WITH THE SEPTEMBER DATA LAST MONTH.

*Enter number of samples taken during the

Typed Name of Principal Executive Officer: SUSSER JAMES D

I declare under penalty of perjury that the sampling procedure and analysis ... going is true and accurate, and that the ... column constituents was as speci...

William A Odom 85,10,20

IONAL
ARD COPY

INSTRUCTIONS FOR DISCHARGER

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# CALIFORNIA STATE WATER RESOURCES CONTROL BOARD
# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 4

| Q2 | Transaction Code | | Facility I.D. | 3 46200300 1 | Year/Month for this report | / | Reporting Period: | Beginning Year Mo. Day | 85/10/01 | Ending Year Mo. Day | 85/12/31 | State Code | 06 | NPDES Permit Number | 0003751 | Date form was computer printed Year Mo. Day | 85/08/05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| STATION DESCRIPTION | EFFL 001D | EFFL 001F | EFFL 001H | EFFL 001L | EFFL 001D | EFFL 001F | EFFL 001H | EFFL 001L |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | T CHROMIUM | T CHROMIUM | T CHROMIUM | T CHROMIUM | COPPER | COPPER | COPPER | COPPER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| SAMPLE TYPE | QTRLY COMP | WEEKLY COMP | QTRLY COMP | QTRLY COMP | QTRLY COMP | WEEKLY COMP | WEEKLY COMP | WEEKLY COMP |
| FREQUENCY | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O |
| MONTH DAY | * 01034 | * 01034 | * 01034 | * 01034 | * 01042 | * 01042 | * 01042 | * 01042 |
| REMARKS-- | | | | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #2 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

*Enter number of samples taken during day.

Typed Name of Principal Executive Officer: SHIFFER (Last) JAMES (First) D. (MI)

I declare under penalty of perjury that the sampling procedure and analysis conform to the Waste Discharge Order for this facility and that the foregoing is true and accurate, and that the reporting of the constituents was as specified.

William A. O'Hara
Signature of Principal Executive Officer or Authorized Agent

85, 10, 20
Yr Mo Da
Date

REGIONAL BOARD COPY 1

Form 02 9/74

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
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# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.



Q2 | Transaction Code | Facility I.D. 3 40200301 | Year/Month for this report | Reporting Period: Beginning (Year Mo. Day) 85/10/01 | Ending 85/12/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed 85/08/05

| STATION DESCRIPTION | EFFL 001D | EFFL 001F | EFFL 001H | EFFL 001L | EFFL 001D | EFFL 001F | EFFL 001H | EFFL 001L |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | LEAD | LEAD | LEAD | LEAD | MERCURY | MERCURY | MERCURY | MERCURY |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| SAMPLE TYPE | QTRLY COMP | WEEKLY COMP | QTRLY COMP | QTRLY COMP | QTRLY COMP | WEEKLY COMP | QTRLY COMP | QTRLY COMP |
| FREQUENCY | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O |
| MONTH DAY | * 01051 | * 01051 | * 01051 | * 01051 | * 71900 | * 71900 | * 71900 | * 71900 |
| REMARKS | | | | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #2 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

*Enter number of samples taken during day.

Typed Name of Principal Executive Officer: SHIFFER (Last) JAMES (First) D. (MI)

I declare under penalty of perjury that the sampling procedure and analysis of the column constituents was as specified in the Waste Discharge Order for foregoing is true and accurate, and that facility.

William A Shiffer
Signature of Principal Executive Officer or Authorized Agent

85 10 28
Yr. Mo. Da
Date

REGIONAL BOARD COPY

1

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
2. Use ballpoint pen or typewriter for data entry on forms.
3. Provide dates for beginning and ending in reporting period blocks.
4. Provide data as specified under column headings.
5. Enter monthly summary data (MONTHLY AVERAGE, MONTHLY HIGH, etc.).
6. Appropriate signature is required at the bottom of the form.
7. Remove COPY 3 and retain for your records.
8. Send COPY 2 to EPA, Region 9, San Francisco and COPY 1 to:

CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

# DISCHARGER SELF MONITORING REPORT

CALIFURNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15. DAYS FOLLOWING THIS PERIOD.



Q2 | Transaction Code | Facility I.D. 3 402003001 | Year/Month for this report | Reporting Periods: Beginning (Year Mo. Day) 85/10/01 | Ending 85/12/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed (Year Mo. Day) 85/08/05

| STATION DESCRIPTION | EFFL 001D | EFFL 001F | EFFL 001H | EFFL 001L | EFFL 001D | EFFL 001F | EFFL 001H | EFFL 001L |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | NICKEL | NICKEL | NICKEL | NICKEL | SILVER | SILVER | SILVER | SILVER |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L |
| SAMPLE TYPE | QTRLY COMP | WEEKLY COMP | QTRLY COMP | QTRLY COMP | QTRLY COMP | WEEKLY COMP | QTRLY COMP | QTRLY COMP |
| FREQUENCY | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O |
| MONTH DAY | * 01067 | * 01067 | * 01067 | * 01067 | * 01077 | * 01077 | * 01077 | * 01077 |
| REMARKS | | | | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #2 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

Typed Name of Principal Executive Officer

REGIONAL

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
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3. Provide dates for beginning and ending in reporting period blocks.
4. Provide data as specified under column headings.
5. Enter monthly summary data (MONTHLY AVERAGE, MONTHLY HIGH, etc.).
6. Appropriate signature is required at the bottom of the form.
7. Remove COPY 3 and retain for your records.
8. Send COPY 2 to EPA, Region 9, San Francisco and COPY 1 to:

CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAURLL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 7

Q2 | Transaction Code | Facility I.D. 3 40200300 1 | Year/Month for this report | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/12/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. Day 85/08/05

| STATION DESCRIPTION | EFFL 001D | EFFL 001F | EFFL 001H | EFFL 001L | | | | |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | ZINC | ZINC | ZINC | ZINC | | | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | | | | |
| SAMPLE TYPE | QTRLY COMP | WEEKLY COMP | QTRLY COMP | QTRLY COMP | | | | |
| FREQUENCY | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | JA/AP/JUL/O | | | | |
| MONTH DAY | * 01092 | * 01092 | * 01092 | * 01092 | * | * | * | * |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #2 | | | | | | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

REMARKS:

*Enter number of samples taken during the day.

Typed Name of Principal Executive Officer: SHIFFER JAMES D.

I declare under penalty of perjury that the foregoing is true and accurate, and that the sampling procedure and analysis for the column constituents was as specified in the Waste Discharge Order for this facility.

Signature of Principal Executive: William A. Skiffer

Date: 85, 10, 2 (Yr Mo Day)

REGIONAL BOARD COPY 1

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
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8. Send COPY 2 to EPA, Region 9, San Francisco and COPY 1 to:

# CALIFORNIA STATE WATER RESOURCES CONTROL BOARD
# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO -
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.



Q2 | Transaction Code | Facility I.D. 3 402003001 | Year/Month for this report | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/12/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. 85/08/(

| STATION DESCRIPTION | EFFL 001D | EFFL 001F | EFFL 001I | EFFL 001L | EFFL 001H | | | |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | COPPER | COPPER | COPPER | COPPER | COPPER | | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | | | |
| SAMPLE TYPE | 24-HR COMP | 24-HR COMP | 24-HR COMP | 24-HR COMP | 24-HR COMP | | | |
| FREQUENCY | METAL CLNG | METAL CLNG | METAL CLNG | METAL CLNG | METAL CLNG | | | |
| MONTH DAY | * 01042 | * 01042 | * 01042 | * 01042 | * 01042 | * | * | * |
| REMARKS | | | | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | MO AVG 100 | MO AVG 100 | MO AVG 100 | MO AVG 100 | MO AVG 100 | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #2 | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

*Enter num of samples

Typed Name of Principal Executive Officer

I declare under penalty of perj the foregoing is true and accurate, and that William A Skinner 85/1(

REGIONAL BOARD COPY

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
2. Use ballpoint pen or typewriter for data entry on forms.
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# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS QUARTERLY AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 9

Q2 | Transaction Code | Facility I.D. 3 40200301 | Year/Month for this report | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/12/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. Day 85/08/05

| STATION DESCRIPTION | EFFL 001D | EFFL 001F | EFFL 001I | EFFL 001L | EFFL 001M | | | |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | IRON | IRON | IRON | IRON | IRON | | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | | | |
| SAMPLE TYPE | 24-HR COMP | 24-HR COMP | 24-HR COMP | 24-HR COMP | 24-HR COMP | | | |
| FREQUENCY | METAL CLNG | METAL CLNG | METAL CLNG | METAL CLNG | METAL CLNG | | | |
| MONTH DAY | * 01045 | * 01045 | * 01045 | * 01045 | * 01045 | * | * | * |
| REMARKS | | | | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | MO AVG 100 | MO AVG 100 | MO AVG 100 | MO AVG 100 | MO AVG 100 | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #2 | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | D MAX 100 | | | |
| Times Exceeded | | | | | | | | |
| REQUIREMENT #3 | | | | | | | | |
| Times Exceeded | | | | | | | | |

*Enter number of samples taken during the month.

Typed Name of Principal Executive Officer: SHIFFER JAMES D.

I declare under penalty of perjury that the foregoing is true and accurate, and that the sampling procedure and analysis and the column constituents was as specified.

Signature of Principal Executive: William A. Shiffer

Date: 85/10/20 (Yr Mo Day)

REGIONAL BOARD COPY

1

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
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4. Provide data as specified under column headings.
5. Enter monthly summary data (MONTHLY AVERAGE, MONTHLY HIGH, etc.).
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# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS SEASONAL AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 1

Q2 | Transaction Code | Facility I.D. 3 46C003001 | Year/Month for this report / | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/10/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. 85/08

| STATION DESCRIPTION | INFLUENT | EFFL 001 | 001EFFHIL | INFLUENT | EFFLUENT 001 | INFLUENT | EFFLUENT 001 | |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | ARSENIC | ARSENIC | ARSENIC | CADMIUM | CADMIUM | LEAD | LEAD | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | |
| SAMPLE TYPE | GRAB | GRAB | COMP GRAB | GRAB | GRAB | GRAB | GRAB | |
| FREQUENCY | OCTOBER | OCTOBER | OCTOBER | OCTOBER | OCTOBER | OCTOBER | OCTOBER | |
| * | | * 01002 | * 01002 | * | * 01027 | * | * 01051 | * |
| MONTH DAY | | | | | | | | |
| Oct. 2 | 1 12 | 1 7 | 1 < 5 | 1 < 1 | 1 < 1 | 1 2 | 1 4 | |
| 16 | | | | | | | | |
| REMARKS | | | J | | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | | 6M MEAN 40 | | | 6M MEAN 22 | | 6M MEAN 59 | |
| Times Exceeded | | 0 | | | 0 | | 0 | |
| REQUIREMENT #2 | | D MAX 217 | | | D MAX 89 | | D MAX 237 | |
| Times Exceeded | | 0 | | | 0 | | 0 | |
| REQUIREMENT #3 | | I MAX 573 | | | I MAX 222 | | I MAX 592 | |
| Times Exceeded | | 0 | | | 0 | | 0 | |

*Enter number of samples taken during the day.

Typed Name of Principal Executive Officer: SHIFFER JAMES D.

I declare under penalty of perjury that the sampling procedure and analytical procedures used for the column constituents was as specified in the Waste Discharge Order for this facility, and that the foregoing is true and accurate, and that I am authorized to sign for the discharger.

William A. Shiffer

Signature of Principal Executive Officer

85.11

Date

REGIONAL BOARD COPY

INSTRUCTIONS FOR DISCHARGER

1. Remove COPY 4 (dark yellow) and use for your worksheet.
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4. Provide data as specified under column headings.
5. Enter monthly summary data (MONTHLY AVERAGE, MONTHLY HIGH, etc.).
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# DISCHARGER SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
1102A LAUREL LANE
SAN LUIS OBISPO, CA 93401

FACILITY NAME: PACIFIC GAS AND ELECTRIC CO
DIABLO CYN NUCLEAR POWER PLANT

MAILING ADDRESS: P O BOX 56
AVILA BEACH CALIF
93424

YOUR REPORTING PERIOD IS SEASONAL AND YOUR REPORTS MUST BE SUBMITTED BY 15 DAYS FOLLOWING THIS PERIOD.

PAGE 11

Q2 | Transaction Code | Facility I.D. 3 40200300 1 | Year/Month for this report | Reporting Period: Beginning Year Mo. Day 85/10/01 | Ending Year Mo. Day 85/10/31 | State Code 06 | NPDES Permit Number 0003751 | Date form was computer printed Year Mo. D 85/08/0

| STATION DESCRIPTION | INFLUENT | EFFLUENT 001 | INFLUENT | EFFLUENT 001 | INFLUENT | EFFLUENT 001 | | |
|---|---|---|---|---|---|---|---|---|
| CONSTITUENT NAME | MERCURY | MERCURY | SILVER | SILVER | CYANIDE | CYANIDE | | |
| UNITS | UG/L | UG/L | UG/L | UG/L | UG/L | UG/L | | |
| SAMPLE TYPE | GRAB | GRAB | GRAB | GRAB | GRAB | GRAB | | |
| FREQUENCY | OCTOBER | OCTOBER | OCTOBER | OCTOBER | OCTOBER | OCTOBER | | |
| MONTH / DAY | * | * 71900 | * | * 01077 | * 00720 | * | * | * |
| Oct. 2 | | | | | 1 < 20 | 1 < 20 | | |
| 3 | 1 < 1 | 1 < 1 | 1 < 1 | 1 < 1 | | | | |
| + MONTHLY AVERAGE | | | | | | | | |
| MONTHLY HIGH | | | | | | | | |
| MONTHLY LOW | | | | | | | | |
| TOTAL RECORDINGS/MO. | | | | | | | | |
| REQUIREMENT #1 | | 6M MEAN 0.65 | | 6M MEAN 2.3 | | 6M MEAN 37 | | |
| Times Exceeded | | 0 | | 0 | | 0 | | |
| REQUIREMENT #2 | | D MAX 3.76 | | D MAX 12.3 | | D MAX 148 | | |
| Times Exceeded | | 0 | | 0 | | 0 | | |
| REQUIREMENT #3 | | | | I MAX 32.3 | | I MAX 370 | | |
| Times Exceeded | | | | 0 | | 0 | | |

REMARKS: J

*Enter num[illegible] of samples taken dur[illegible] e day.

Typed Name of Principal Executive Officer: SHEFFER JAMES D.

I declare under penalty of perj[illegible] the sampling procedure and at[illegible] the foregoing is true and accurate, and that[illegible] sed for the column constituents was as speci-

William D. Sheffer
Signature of Principal Executive

85/10

REGIONAL BOARD COPY

# APPENDIX 2

Static Bioassay

October 7, 1985

PACIFIC GAS & ELECTRIC COMPANY
DEPARTMENT OF ENGINEERING RESEARCH
DIABLO CANYON BIOLOGICAL LABORATORY
STATIC BIOASSAY REPORT SHEET

ASSAY NO. 138-N

**TEST ORGANISM DATA**

TEST SPECIES: Red abalone
SOURCE: Estero Bay Mariculture
AVERAGE LENGTH: 18MM RANGE: 15-23MM
ACCLIMATION TIME: 6MTH TEMPERATURE: ambient
WATER SOURCE: Seawater pump

**TEST SOLUTION DATA**

SOURCE OF TEST SOLUTION: DCPP effluent
DATE/TIME SAMPLED: 05 Oct '85 / 1000

DATE STARTED: 07 Oct '85
TIME STARTED: 1300 HRS.
VOLUME/DEPTH OF TEST SOLUTION: 19 L. / 20CM.
RENEWAL OF TEST SOLUTION AT: / HR. INTERVALS
TYPE OF AERATION: Conde air pump
NUMBER OF ORGANISMS PER CONCENTRATION: 20
DILUTION WATER SOURCE: Seawater pump

**TEST CONCENTRATIONS**

| | 100% | CONTROL |
|---|---|---|
| **0 HOURS** | | |
| TEMP. | 15.3°C | 15.3°C |
| D.O. | 8.0 | 8.0 |
| pH | 8.0 | 8.0 |
| SALINITY/HARDNESS | | |
| **24 HOURS** | | |
| ORGANISMS SURVIVING | 20 | 20 |
| % SURVIVL | 100% | 100% |
| TEMP. | 15.4°C | 15.4°C |
| D.O. | 8.0 | 8.0 |
| pH | 8.0 | 8.0 |
| **48 HOURS** | | |
| ORGANISMS SURVIVING | 20 | 20 |
| % SURVIVAL | 100% | 100% |
| TEMP. | 13.8°C | 13.8°C |
| D.O. | 8.0 | 8.0 |
| pH | 8.0 | 7.8 |
| **72 HOURS** | | |
| ORGANISMS SURVIVING | 20 | 20 |
| % SURVIVAL. | 100% | 100% |
| TEMP. | 14.5°C | 14.5°C |
| D.O. | 8.4 | 8.5 |
| pH | 8.1 | 7.9 |
| **96 HOURS** | | |
| ORGANISMS SURVIVING | 20 | 20 |
| % SURVIVAL | 100% | 100% |
| TEMP. | 13.5°C | 13.5°C |
| D.O. | 8.1 | 7.8 |
| pH | 8.1 | 8.0 |
| SALINITY/HARDNESS | | |

TU: No mortalities

# APPENDIX 3

Sediment Analysis

Collected September 26, 1985

ENVIRONMENTAL RESEARCH GROUP, INC.

1400 53rd Street Emeryville, California 94608 (415) 652-2300

October 31, 1985

Pacific Gas & Electric
3400 Crow Canyon Road
San Ramon, CA

Attention: Charles White

Report #6386

Subject: Analysis of sediment samples from Diablo Canyon

Samples received: Received in this laboratory twelve (12) sediment samples on September 26, 1985, collected by P.G.&E. personnel. Samples were labeled as follows:

DCS 1, 2 and 3

POS 1, 2 and 3

DCN 1, 2 and 3

PON 1, 2 and 3

Request: Analyze for the following metals: Copper, Zinc, Lead, Silver, Nickel, Chromium, Cadmium, Arsenic and Mercury. Also analyze for particle size.

Procedures: See enclosed table of Methods.

Results: Metals results are reported in mg/kg on dry weight basis.

Submitted by:

Cheryl McMillen
Manager, Inorganic Department

CM:sml

TABLE I RESULTS
METALS

| ERG #. | PG&E ID | Arsenic As | Cadmium Cd | Chromium Cr | Copper Cu | Lead Pb | Mercury Hg | Nickel Ni | Silver Ag | Zinc Zn | Solids % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5386-1 | DCS 1 | < 5 | < 0.70 | 9.7 | 15 | < 5 | < 0.5 | 23 | < 3 | 26 | 72.9 |
| 5386-2 | DCS 2 | < 5 | < 0.84 | 14 | 12 | < 5 | < 0.5 | 21 | < 3 | 27 | 71.5 |
| 5386-3 | DCS-3 | < 5 | < 0.70 | 12 | 15 | < 5 | < 0.5 | 23 | < 3 | 25 | 68.6 |
| 5386-4 | POS-1 | < 5 | < 0.70 | 9.8 | 11 | < 5 | < 0.5 | 19 | < 3 | 40 | 70.1 |
| 5386-5 | POS-2 | < 5 | < 0.70 | < 8 | 8.3 | < 5 | < 0.5 | 23 | < 3 | 49 | 65.1 |
| 5386-6 | POS-3 | < 5 | < 0.70 | 12 | 10 | < 5 | < 0.5 | 19 | < 3 | 42 | 72.2 |
| 5386-7 | DCN 1 | < 5 | < 0.70 | < 8 | 12 | < 5 | < 0.5 | 15 | < 3 | 15 | 77.7 |
| 6386-8 | DCN 2 | < 5 | < 0.70 | < 8 | 13 | < 5 | < 0.5 | 20 | < 3 | 15 | 74.3 |
| 6386-9 | DCN 3 | < 5 | < 0.70 | 11 | 13 | < 5 | < 0.5 | 21 | < 3 | 15 | 67.1 |
| 6386-10 | PON 1 | < 5 | < 0.70 | 13 | 11 | < 5 | < 0.5 | 19 | < 3 | 14 | 61.3 |
| 6386-11 | PON 2 | < 5 | < 0.70 | 19 | 9.8 | < 5 | < 0.5 | 21 | < 3 | 15 | 68.1 |
| 6386-12 | PON 3 | < 5 | < 0.70 | < 8 | 8.9 | < 5 | < 0.5 | 28 | < 3 | 19 | 67.1 |

*mg/kg on dry weight basis

## Table II Results

### Particle Size

| | | GRAVEL | | SAND | | | % of sample passing 2 mm screen | | |
|---|---|---|---|---|---|---|---|---|---|
| ERG # | PG&E ID | COARSE 5.00 | FINE 2.0-5.0 | VERY COARSE 1.0-2.0 | COARSE 0.5-1.0 | MED. TO V. FINE .05-.5 | SILT .002-.05 | CLAY 0-.002 | SOIL CLASSIFICATION |
| 6386-1 | DCS 1 | 0.6 | 4.4 | 65.4 | 28.1 | 4.9 | 1.3 | 0.3 | SAND |
| 6386-2 | DCS 2 | 0.2 | 4.0 | 49.0 | 46.8 | 3.6 | 0.3 | 0.3 | SAND |
| 6386-3 | DCS 3 | 8.2 | 3.0 | 16.2 | 53.3 | 28.9 | 0.8 | 0.8 | SAND |
| 6386-4 | POS 1 | 1.2 | 1.0 | 4.7 | 26.7 | 62.0 | 4.8 | 1.8 | SAND |
| 6386-5 | POS 2 | 0.8 | 1.6 | 3.6 | 19.4 | 67.4 | 4.3 | 5.3 | SAND |
| 6386-6 | POS 3 | 0.8 | 1.8 | 3.8 | 24.2 | 65.9 | 0.3 | 5.8 | SAND |
| 6386-7 | DCN 1 | 5.9 | 36.5 | 58.6 | 20.1 | 15.7 | 2.8 | 2.8 | SAND |
| 6386-8 | DCN 2 | 6.0 | 16.9 | 21.1 | 34.9 | 39.4 | 2.8 | 1.8 | SAND |
| 6386-9 | DCN 3 | 4.4 | 12.5 | 26.4 | 29.2 | 28.8 | 8.8 | 6.8 | LOAMY SAND |
| 6386-10 | PON 1 | 1.1 | 7.4 | 25.1 | 23.3 | 44.0 | 3.8 | 3.8 | SAND |
| 6386-11 | PON 2 | 0.3 | 1.9 | 11.0 | 23.8 | 59.6 | 2.8 | 2.8 | SAND |
| 6386-12 | PON 3 | 0.0 | 1.8 | 10.9 | 29.8 | 54.7 | 1.8 | 2.8 | SAND |

## Methods used for Metals Analysis

| Constiuent | Dissolution Procedure | Instrument |
|---|---|---|
| Arsenic | EPS 3050: $HNO_3/H_2O_2$ digest | EPA 7060 (AAS-HGA) |
| Cadmium | EPA 3050: $HNO_3/H_2O_2$ digest | EPA SW-846 (ICP-AES) |
| Chromium | | |
| Copper | | |
| Lead | | |
| Nickel | | |
| Silver | | |
| Zinc | | |
| Mercury | $HNO_3/HCl/KMnO_4$ | EPA 7471 (AAS Cold Vapor) |

AAS = Atomic Absorption Spectroscopy
HGA = Heated Graphite Atomization
ICP-AES = Inductively coupled plasma Argon emission spectroscopy
EPA = Methods for Evaluating Solid Waste

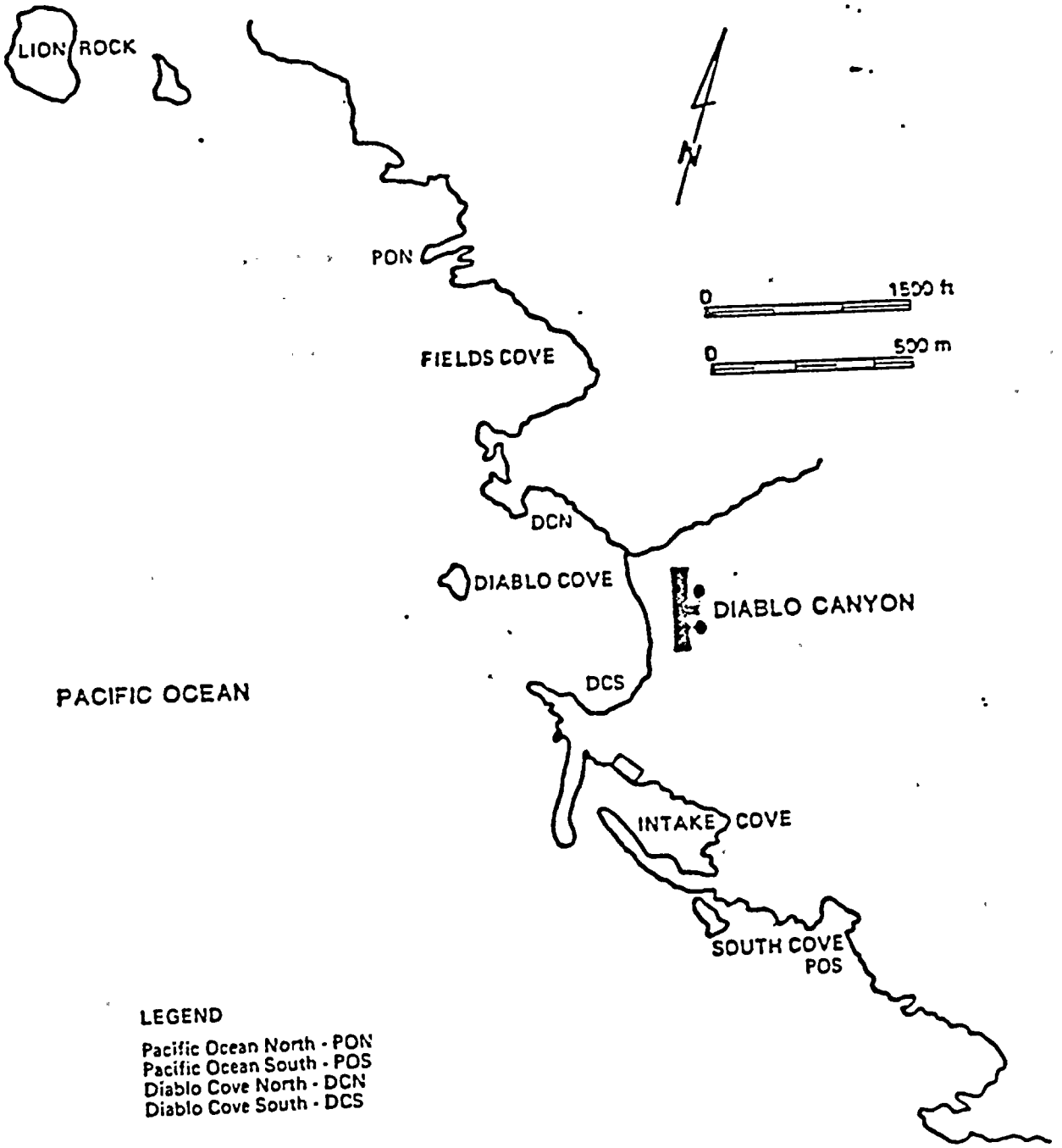



Figure 1 SEDIMENT SAMPLE AND RADIOLOGICAL MONITORING LOCATIONS

# APPENDIX 4

## Stratified Water Temperatures

## October 17, 1985

OCTOBER 17, 1985 STATION No, 3A

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 54.7 |
| 1.0 | 54.7 |
| 2.0 | 54.7 |
| 3.0 | 54.6 |
| 4.0 | 54.5 |
| 5.0 | 54.3 |
| 6.0 | 54.3 |
| 7.0 | 54.2 |
| 8.0 | 54.1 |
| 9.0 | 54.1 |
| 10.0 | 54.0 |
| 11.0 | 54.0 |
| 12.0 | 53.9 |
| 13.0 | 53.9 |
| 14.0 | 53.9 |
| 15.0 | 53.9 |
| 16.0 | 53.9 |
| 17.0 | 53.9 |
| 18.0 | 53.9 |
| 19.0 | 53.9 |
| 20.0 | 53.7 |
| 21.0 | 53.5 |
| 22.0 | 53.5 |
| 23.0 | 53.5 |
| 24.0 | 53.3 |
| 25.0 | 53.3 |
| 26.0 | 53.3 |
| 27.0 | 53.3 |
| 28.0 | 53.2 |
| 29.0 | 53.2 |
| 30.0 | 53.1 |

OCTOBER 17, 1985 STATION No, 3B

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 54.7 |
| 1.0 | 54.8 |
| 2.0 | 54.7 |
| 3.0 | 54.6 |
| 4.0 | 54.5 |
| 5.0 | 54.4 |
| 6.0 | 54.2 |
| 7.0 | 54.1 |
| 8.0 | 54.0 |
| 9.0 | 53.9 |
| 10.0 | 53.8 |
| 11.0 | 53.7 |
| 12.0 | 53.6 |
| 13.0 | 53.6 |
| 14.0 | 53.6 |
| 15.0 | 53.6 |
| 16.0 | 53.6 |
| 17.0 | 53.5 |
| 18.0 | 53.4 |
| 19.0 | 53.4 |
| 20.0 | 53.3 |
| 21.0 | 53.3 |
| 22.0 | 53.3 |
| 23.0 | 53.2 |
| 24.0 | 53.2 |
| 25.0 | 53.1 |
| 26.0 | 53.1 |
| 27.0 | 53.1 |
| 28.0 | 53.1 |
| 29.0 | 53.0 |
| 30.0 | 53.0 |
| 31.0 | 53.0 |
| 32.0 | 52.9 |
| 33.0 | 52.8 |
| 34.0 | 52.8 |
| 35.0 | 52.8 |
| 36.0 | 52.7 |
| 37.0 | 52.7 |
| 38.0 | 52.7 |
| 39.0 | 52.6 |
| 40.0 | 52.5 |
| 41.0 | 52.5 |
| 42.0 | 52.5 |
| 43.0 | 52.5 |
| 44.0 | 52.5 |
| 45.0 | 52.5 |
| 46.0 | 52.4 |
| 47.0 | 52.5 |

OCTOBER 17, 1985 STATION No, 3C

| DEPTH (m) | TEMP (F) | DEPTH (m) | TEMP (F) |
|---|---|---|---|
| 0.0 | 55.0 | 50.0 | 54.6 |
| 1.0 | 55.0 | | |
| 2.0 | 55.0 | | |
| 3.0 | 55.0 | | |
| 4.0 | 55.0 | | |
| 5.0 | 55.0 | | |
| 6.0 | 55.0 | | |
| 7.0 | 55.0 | | |
| 8.0 | 55.0 | | |
| 9.0 | 54.9 | | |
| 10.0 | 54.9 | | |
| 11.0 | 54.9 | | |
| 12.0 | 54.9 | | |
| 13.0 | 54.9 | | |
| 14.0 | 54.9 | | |
| 15.0 | 54.9 | | |
| 16.0 | 54.9 | | |
| 17.0 | 54.9 | | |
| 18.0 | 54.9 | | |
| 19.0 | 54.9 | | |
| 20.0 | 54.9 | | |
| 21.0 | 54.9 | | |
| 22.0 | 54.9 | | |
| 23.0 | 54.9 | | |
| 24.0 | 54.9 | | |
| 25.0 | 54.9 | | |
| 26.0 | 54.9 | | |
| 27.0 | 54.9 | | |
| 28.0 | 54.9 | | |
| 29.0 | 54.9 | | |
| 30.0 | 54.9 | | |
| 31.0 | 54.7 | | |
| 32.0 | 54.7 | | |
| 33.0 | 54.6 | | |
| 34.0 | 54.6 | | |
| 35.0 | 54.6 | | |
| 36.0 | 54.7 | | |
| 37.0 | 54.6 | | |
| 38.0 | 54.6 | | |
| 39.0 | 54.6 | | |
| 40.0 | 54.6 | | |
| 41.0 | 54.6 | | |
| 42.0 | 54.6 | | |
| 43.0 | 54.6 | | |
| 44.0 | 54.6 | | |
| 45.0 | 54.6 | | |
| 46.0 | 54.6 | | |
| 47.0 | 54.6 | | |
| 48.0 | 54.6 | | |
| 49.0 | 54.6 | | |

OCTOBER 17, 1985 STATION No, 4A

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 58.0 |
| 1.0 | 57.8 |
| 2.0 | 55.6 |
| 3.0 | 54.9 |
| 4.0 | 54.7 |
| 5.0 | 54.6 |
| 6.0 | 54.5 |
| 7.0 | 54.5 |
| 8.0 | 54.5 |
| 9.0 | 54.5 |
| 10.0 | 54.3 |
| 11.0 | 54.3 |
| 12.0 | 54.3 |
| 13.0 | 54.3 |
| 14.0 | 54.2 |
| 15.0 | 54.2 |
| 16.0 | 54.2 |
| 17.0 | 54.1 |
| 18.0 | 54.1 |
| 19.0 | 53.9 |
| 20.0 | 53.8 |
| 21.0 | 53.3 |
| 22.0 | 53.2 |
| 23.0 | 53.0 |
| 24.0 | 53.0 |
| 25.0 | 53.0 |
| 26.0 | 53.0 |
| 27.0 | 52.9 |

OCTOBER 17, 1985 STATION No, 4B

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 57.0 |
| 1.0 | 57.0 |
| 2.0 | 55.7 |
| 3.0 | 55.6 |
| 4.0 | 55.2 |
| 5.0 | 55.1 |
| 6.0 | 55.0 |
| 7.0 | 55.0 |
| 8.0 | 55.0 |
| 9.0 | 54.9 |
| 10.0 | 54.9 |
| 11.0 | 54.9 |
| 12.0 | 54.9 |
| 13.0 | 54.9 |
| 14.0 | 54.9 |
| 15.0 | 54.9 |
| 16.0 | 54.9 |
| 17.0 | 54.9 |
| 18.0 | 54.9 |
| 19.0 | 54.9 |
| 20.0 | 54.9 |
| 21.0 | 54.9 |
| 22.0 | 54.8 |
| 23.0 | 54.9 |
| 24.0 | 54.8 |
| 25.0 | 54.9 |
| 26.0 | 54.9 |
| 27.0 | 54.9 |
| 28.0 | 54.9 |
| 29.0 | 54.8 |
| 30.0 | 54.7 |
| 31.0 | 54.6 |
| 32.0 | 54.2 |
| 33.0 | 54.1 |
| 34.0 | 54.0 |
| 35.0 | 54.0 |
| 36.0 | 53.9 |
| 37.0 | 53.7 |
| 38.0 | 53.2 |
| 39.0 | 53.0 |
| 40.0 | 52.8 |
| 41.0 | 52.7 |

OCTOBER 17, 1985 STATION No, 4C

| DEPTH (m) | TEMP (F) | DEPTH (m) | TEMP (F) |
|---|---|---|---|
| 0.0 | 55.2 | 50.0 | 54.2 |
| 1.0 | 55.2 | | |
| 2.0 | 55.1 | | |
| 3.0 | 55.1 | | |
| 4.0 | 55.0 | | |
| 5.0 | 55.0 | | |
| 6.0 | 55.0 | | |
| 7.0 | 55.0 | | |
| 8.0 | 55.0 | | |
| 9.0 | 55.0 | | |
| 10.0 | 55.0 | | |
| 11.0 | 55.0 | | |
| 12.0 | 55.0 | | |
| 13.0 | 55.0 | | |
| 14.0 | 55.0 | | |
| 15.0 | 55.0 | | |
| 16.0 | 55.0 | | |
| 17.0 | 55.0 | | |
| 18.0 | 55.0 | | |
| 19.0 | 55.0 | | |
| 20.0 | 55.0 | | |
| 21.0 | 55.0 | | |
| 22.0 | 54.9 | | |
| 23.0 | 54.9 | | |
| 24.0 | 54.9 | | |
| 25.0 | 54.9 | | |
| 26.0 | 54.9 | | |
| 27.0 | 55.0 | | |
| 28.0 | 55.0 | | |
| 29.0 | 54.9 | | |
| 30.0 | 55.0 | | |
| 31.0 | 54.9 | | |
| 32.0 | 54.9 | | |
| 33.0 | 54.9 | | |
| 34.0 | 54.9 | | |
| 35.0 | 54.9 | | |
| 36.0 | 54.9 | | |
| 37.0 | 54.8 | | |
| 38.0 | 54.8 | | |
| 39.0 | 54.8 | | |
| 40.0 | 54.7 | | |
| 41.0 | 54.7 | | |
| 42.0 | 54.6 | | |
| 43.0 | 54.5 | | |
| 44.0 | 54.4 | | |
| 45.0 | 54.4 | | |
| 46.0 | 54.3 | | |
| 47.0 | 54.2 | | |
| 48.0 | 54.2 | | |
| 49.0 | 54.2 | | |

OCTOBER 17, 1985 STATION No, 5A

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 56.1 |
| 1.0 | 55.9 |
| 2.0 | 55.8 |
| 3.0 | 55.8 |
| 4.0 | 55.7 |
| 5.0 | 55.5 |
| 6.0 | 55.2 |
| 7.0 | 55.1 |
| 8.0 | 55.0 |
| 9.0 | 54.9 |
| 10.0 | 54.9 |
| 11.0 | 54.8 |
| 12.0 | 54.7 |
| 13.0 | 54.5 |
| 14.0 | 54.1 |
| 15.0 | 53.9 |
| 16.0 | 53.7 |
| 17.0 | 53.7 |

OCTOBER 17, 1985 STATION No, 5B

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 55.8 |
| 1.0 | 55.4 |
| 2.0 | 55.3 |
| 3.0 | 55.2 |
| 4.0 | 55.1 |
| 5.0 | 55.1 |
| 6.0 | 55.1 |
| 7.0 | 55.1 |
| 8.0 | 55.1 |
| 9.0 | 55.1 |
| 10.0 | 55.1 |
| 11.0 | 55.1 |
| 12.0 | 55.0 |
| 13.0 | 55.0 |
| 14.0 | 55.0 |
| 15.0 | 54.9 |
| 16.0 | 54.9 |
| 17.0 | 54.9 |
| 18.0 | 54.8 |
| 19.0 | 54.8 |
| 20.0 | 54.6 |
| 21.0 | 54.5 |
| 22.0 | 54.4 |
| 23.0 | 54.3 |
| 24.0 | 54.0 |
| 25.0 | 53.8 |
| 26.0 | 53.5 |
| 27.0 | 53.2 |

OCTOBER 17, 1985 STATION No, 5C

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 55.7 |
| 1.0 | 55.4 |
| 2.0 | 55.2 |
| 3.0 | 55.2 |
| 4.0 | 55.2 |
| 5.0 | 55.2 |
| 6.0 | 55.1 |
| 7.0 | 55.1 |
| 8.0 | 55.1 |
| 9.0 | 55.1 |
| 10.0 | 55.1 |
| 11.0 | 55.1 |
| 12.0 | 55.1 |
| 13.0 | 55.1 |
| 14.0 | 55.1 |
| 15.0 | 55.1 |
| 16.0 | 55.1 |
| 17.0 | 55.1 |
| 18.0 | 55.1 |
| 19.0 | 55.1 |
| 20.0 | 55.1 |
| 21.0 | 55.1 |
| 22.0 | 55.1 |
| 23.0 | 55.1 |
| 24.0 | 55.1 |
| 25.0 | 55.1 |
| 26.0 | 55.1 |
| 27.0 | 55.1 |
| 28.0 | 55.0 |
| 29.0 | 55.0 |
| 30.0 | 55.0 |
| 31.0 | 54.9 |
| 32.0 | 54.9 |
| 33.0 | 54.8 |
| 34.0 | 54.7 |
| 35.0 | 54.6 |
| 36.0 | 54.3 |
| 37.0 | 53.5 |
| 38.0 | 53.2 |

OCTOBER 17, 1985 STATION No, 10

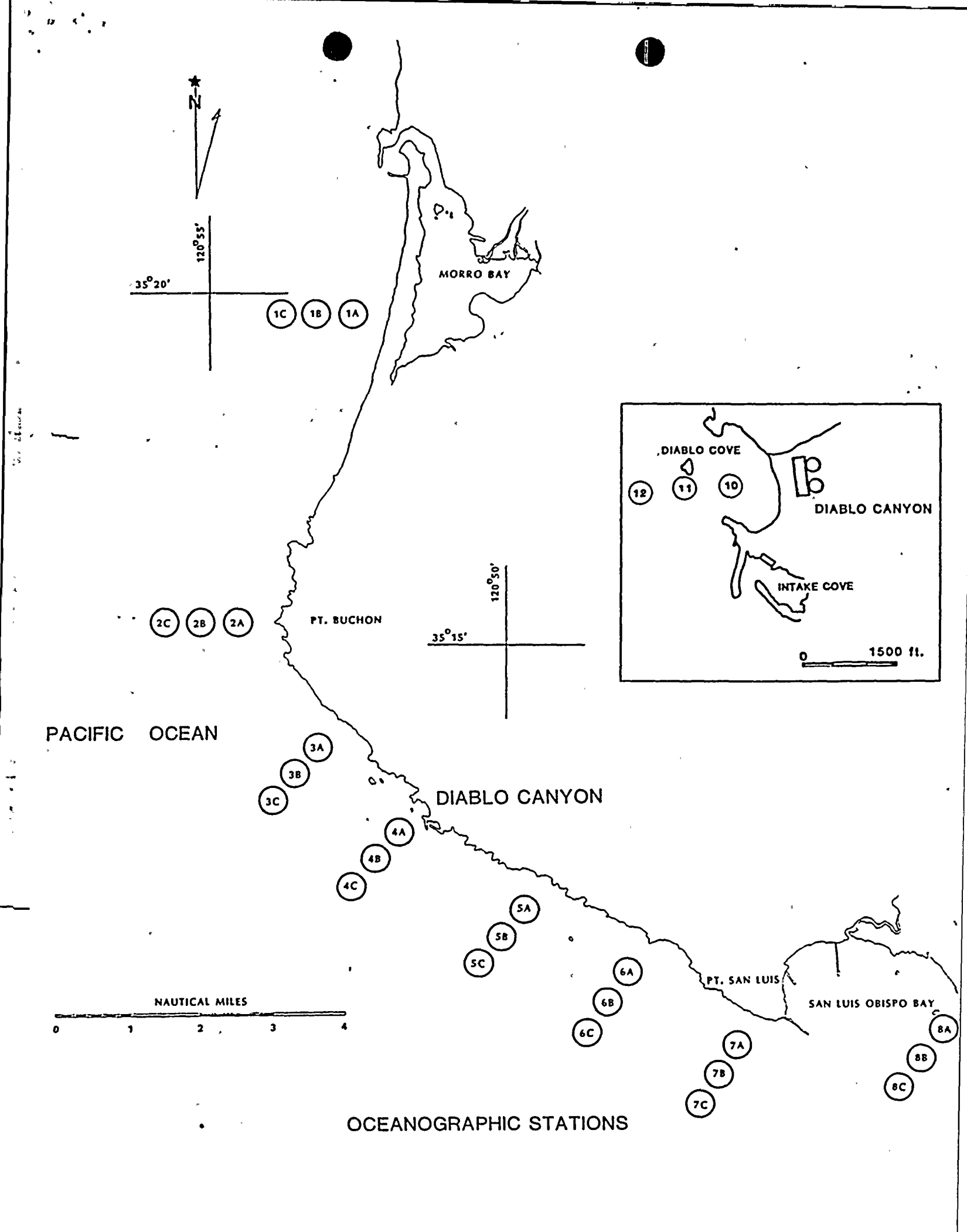
| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 65.3 |
| 1.0 | 64.7 |
| 2.0 | 62.8 |
| 3.0 | 61.9 |
| 4.0 | 60.7 |
| 5.0 | 57.9 |
| 6.0 | 55.6 |

OCTOBER 17, 1985 STATION No, 11

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 64.1 |
| 1.0 | 63.8 |
| 2.0 | 63.7 |
| 3.0 | 62.5 |
| 4.0 | 57.3 |
| 5.0 | 54.6 |
| 6.0 | 54.4 |
| 7.0 | 54.3 |
| 8.0 | 54.3 |
| 9.0 | 54.3 |
| 10.0 | 54.3 |
| 11.0 | 54.3 |
| 12.0 | 54.3 |
| 13.0 | 54.2 |
| 14.0 | 54.2 |
| 15.0 | 54.2 |
| 16.0 | 54.2 |

OCTOBER 17, 1985 STATION No, 12

| DEPTH (m) | TEMP (F) |
|---|---|
| 0.0 | 62.8 |
| 1.0 | 59.9 |
| 2.0 | 56.6 |
| 3.0 | 55.1 |
| 4.0 | 54.9 |
| 5.0 | 54.7 |
| 6.0 | 54.6 |
| 7.0 | 54.6 |
| 8.0 | 54.6 |
| 9.0 | 54.5 |
| 10.0 | 54.6 |
| 11.0 | 54.6 |
| 12.0 | 54.6 |
| 13.0 | 54.6 |
| 14.0 | 54.5 |
| 15.0 | 54.4 |
| 16.0 | 54.2 |
| 17.0 | 54.0 |
| 18.0 | 53.9 |
| 19.0 | 53.9 |
| 20.0 | 53.7 |




OCEANOGRAPHIC STATIONS

# APPENDIX 5

pH and Dissolved Oxygen of the Receiving Waters

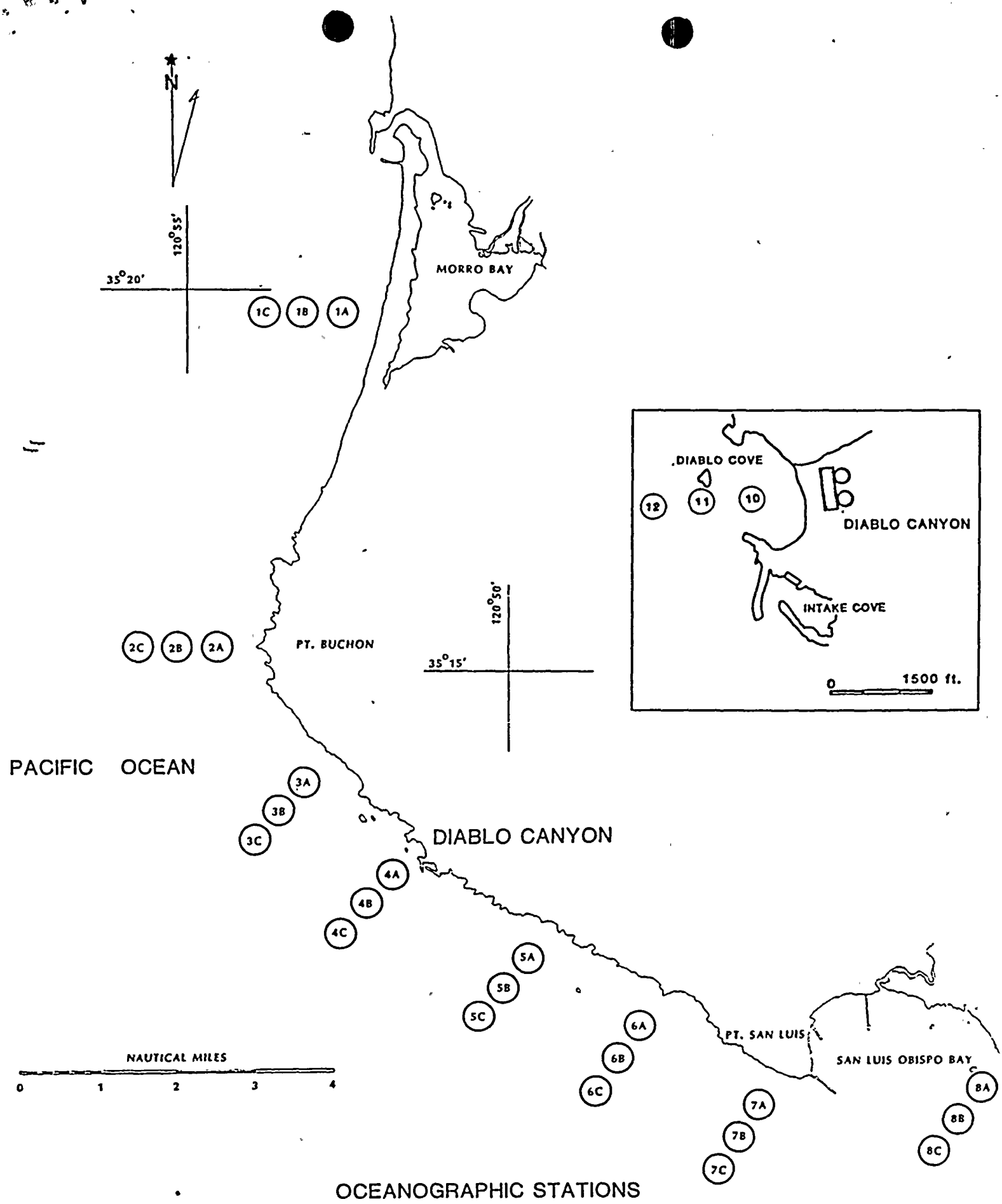
October 17, 1985

DIABLO CANYON POWER PLANT
OCEANOGRAPHIC STUDIES
pH CONCENTRATIONS
OCTOBER 17, 1985

| | | TOP | MIDDLE | BOTTOM |
|---|---|---|---|---|
| 3A | - | 7.9 | 7.9 | 7.9 |
| 3B | - | 8.0 | 7.9 | 7.9 |
| 3C | - | 8.0 | 8.0 | 8.0 |
| 4A | - | 8.1 | 8.0 | 7.9 |
| 4B | - | 8.0 | 8.0 | 7.9 |
| 4C | - | 8.0 | 8.0 | 8.0 |
| 5A | - | 8.0 | 8.0 | 7.9 |
| 5B | - | 8.0 | 8.0 | 8.0 |
| 5C | - | 8.05 | 8.0 | 8.0 |
| 10 | - | 8.0 | 7.9 | 8.0 |
| 11 | - | 8.0 | 7.9 | 7.9 |
| 12 | - | 8.0 | 8.0 | 7.9 |

DIABLO CANYON POWER PLANT
OCEANOGRAPHIC STUDIES
DISSOLVED OXYGEN
OCTOBER 17, 1985

| | | TOP | MIDDLE | BOTTOM |
|---|---|---|---|---|
| 3A | - | 7.5 | 6.8 | 6.2 |
| 3B | - | 6.8 | 6.75 | 6.2 |
| 3C | - | 7.8 | 7.6 | 7.4 |
| 4A | - | 7.7 | 7.2 | 5.6 |
| 4B | - | 7.6 | 7.6 | 6.0 |
| 4C | - | 8.0 | 7.8 | 7.0 |
| 5A | - | 8.0 | 7.6 | 6.2 |
| 5B | - | 8.1 | 7.8 | 6.6 |
| 5C | - | 7.85 | 6.6 | 7.0 |
| 10 | - | 7.5 | 6.4 | 7.6 |
| 11 | - | 8.6 | 7.4 | 7.0 |
| 12 | - | 7.5 | 7.2 | 6.8 |




OCEANOGRAPHIC STATIONS

PACIFIC GAS AND ELECTRIC COMPANY

DIABLO CANYON POWER PLANT
P.O. Box 56 • Avila Beach, California 93424 • (805) 595-7351

R.C. THORNBERRY
PLANT MANAGER

November 20, 1985

Mr. Kenneth R. Jones, Executive Officer
California Regional Water Quality Control Board
Central Coast Region
1102-A Laurel Lane
San Luis Obispo, California 93401

Dear Mr. Jones:

Discharge Monitoring and Reporting Program
Diablo Canyon Power Plant

The monthly report for October 1985 of the Diablo Canyon Power Plant Discharge Monitoring Program, in accordance with Order 85-101, NPDES No. CA0003751 is enclosed.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in the attached document and all enclosures, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information is true, accurate and complete. The results of the influent and effluent monitoring presented 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 any 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.

Sincerely,

RCT

R.C. Thornberry

Enclosure

IE25
1/1

bcc: WHBarr/TGCasebolt
DWBehrens
JVBoots
PACrane
MJDoyle/VLWyman
JBGibson/DJWilliamson
HMHowe/JFMcKenzie
BSLew/ERKendle
RWLorenz/KMGodfrey
HKMcCluer
MNNorem
WAO'Hara
JARobbins
JDShiffer
CPWalton
JWWarrick
CJWeinberg/JRAdams
RMS

cc: Marine Resources Region
California Department of Fish and Game
350 Golden Shore
Long Beach, California 90802

Regional Administrator, Region IX
Environmental Protection Agency
215 Fremont Street
San Francisco, California 94105

Regional Administrator
U. S. Nuclear Regulatory Commission
Region 5
1450 Maria Lane, Suite 210
Walnut Creek, California 94596-5368

Mr. Ronald L. Ballard, Chief
Environmental and Hydrologic Engineering Branch
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