Pacific Gas and Electric Company®

Diablo Canyon Power Plant
P. O. Box 56
Avila Beach, CA 93424

PG&E Letter DCL-2010-528

Electronic Submission
PDF Formatted File

June 24, 2010

California Regional Water Quality Control Board
Central Coast Region
895 Aerovista, Suite #101
San Luis Obispo, CA 93401-7906

Attn: Storm Water Division

2009-2010 Annual Report for Storm Water Discharges Associated with Industrial Activities, Diablo Canyon Power Plant (DCPP), Facility WDID No. 340I018248

Enclosed is the DCPP Annual Report for Storm Water Discharges Associated with Industrial Activities. The report includes data collected through June 17, 2010 which satisfies all requirements for the Reporting Period July 1, 2009 through June 30, 2010. The report has been completed in accordance with DCPP's commitment to implement provisions of the State General Industrial Storm Water Permit (General Permit) as outlined in PG&E letter DCL-2006-556 dated November 09, 2006 to the Regional Water Quality Control Board, Central Coast Region.

In addition to the standard report, sampling data is also provided for storm water that passed through undeveloped locations surrounding the industrial plant site. As described in PG&E's Letter DCL-2009-545 to the Regional Board dated October 31, 2009, storm water constituents originating from non-industrial areas can be expected to influence water quality in multiple discharge outfalls associated with the industrial zone. The results obtained evidence that Iron (Fe) and Specific Conductance (SC), as well as other parameters, detected in run-off from native areas occur in levels above the industrial storm water quality benchmarks.

Per instruction in the Regional Board's letter to DCPP dated September 03, 2009, Grease and Oil (O&G) analysis was performed on storm water samples obtained during the 2009-2010 storm season. This analysis was in addition to the more sensitive Total Organic Carbon (TOC) analysis option previously selected by the facility. With one exception attributable to natural contaminates, O&G results were below the industrial benchmark level of 10 mg/L with 20 of 23 samples analyzed being non-detect.

IE25
NRR

Due to these favorable monitoring results, as well as the clarification provided in PG&E's letter DCL-2009-545 that 2007-2008 data for TOC analysis submitted to the Regional Board was evaluated as O&G analysis, DCPP requests that the instruction to continue to monitor for O&G in future years be reconsidered. Subsequent monitoring would then retain only the more sensitive analysis for TOC that was initially substituted for O&G analysis in the 2007-2008 storm season.

If you have any questions or concerns regarding the enclosed report, or require additional information, please contact Trevor Rebel of my staff at (805) 545-3607.

Sincerely,

James M. Welsch
Director Operations Services - Diablo Canyon Power Plant

2010528/tdr/bkc

Enclosure (1)

cc: w/enclosure

PDF Formatted Electronic File Copy:

Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011-4125

California Department of Fish and Game
20 Lower Ragsdale, Suite 100
Monterey, CA 93940

Hardcopy Format:

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555-0001

Michael S. Peck
Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Diablo Canyon Power Plant 104/5

State of California
STATE WATER RESOURCES CONTROL BOARD

2009-2010

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2009 through June 30, 2010

An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at http://www.waterboards.ca.gov/stormwtr/contact.html. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. Facility Information:

Facility WDID No: 340I018248

Facility Business Name: Diablo Canyon Power Plant (DCPP)
Physical Address: 9 Miles Northwest of Avila Beach
City: Avila Beach
Standard Industrial Classification (SIC) Code(s) 4911

Contact Person: Trevor D. Rebel
e-mail: tdr5@pge.com
State: CA Zip: 93424 Phone: 805.545.3607

B. Facility Operator Information:

Operator Name: Pacific Gas & Electric Company - DCPP
Mailing Address: P.O. Box 56
City: Avila Beach

Contact Person: Trevor D. Rebel
e-mail: tdr5@pge.com
State: CA Zip: 93424 Phone: 805.545.3607

C. Facility Billing Information:

Operator Name: Pacific Gas & Electric Company - DCPP
Mailing Address: P.O. Box 56
City: Avila Beach

Contact Person: Bryan K. Cunningham
e-mail: bkc3@pge.com
State: CA Zip: 93424 Phone: 805.545.4439

2009-2010

ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

1. For the reporting period, was your facility exempt from collecting and analyzing samples from **two** storm events in accordance with sections B.12 or 15 of the General Permit?

☐ **YES** Go to Item D.2 ☒ **NO** Go to Section E

2. Indicate the reason your facility is exempt from collecting and analyzing samples from **two** storm events. Attach a copy of the first page of the appropriate certification if you check boxes ii, iii, iv, or v.

i. ☐ Participating in an Approved Group Monitoring Plan **Group Name:** _____

ii. ☐ Submitted **No Exposure Certification (NEC)** Date Submitted: ___/___/___

Re-evaluation Date: ___/___/___

Does facility continue to satisfy NEC conditions? ☐ YES ☐ NO

iii. ☐ Submitted **Sampling Reduction Certification (SRC)** Date Submitted: ___/___/___

Re-evaluation Date: ___/___/___

Does facility continue to satisfy SRC conditions? ☐ YES ☐ NO

iv. ☐ Received Regional Board Certification Certification Date: ___/___/___

v. ☐ Received Local Agency Certification Certification Date: ___/___/___

3. If you checked boxes i or iii above, were you scheduled to sample **one** storm event during the reporting year?

☐ **YES** Go to Section E ☐ **NO** Go to Section F

4. If you checked boxes ii, iv, or v, go to Section F.

E. SAMPLING AND ANALYSIS RESULTS

1. How many storm events did you sample? 2 If less than 2, **attach explanation** (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").

2. Did you collect storm water samples from the first storm of the wet season that produced a discharge during scheduled facility operating hours? (Section B.5 of the General Permit)

☒ **YES** ☐ **NO** **attach explanation** **(Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)**

3. How many storm water discharge locations are at your facility? 18

4. For each storm event sampled, did you collect and analyze a sample from each of the facility's' storm water discharge locations? ☐ YES, go to Item E.6 ☒ NO

5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? ☒ YES ☐ NO, **attach explanation**

   If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.

   Date facility's drainage areas were last evaluated 6/18/10

6. Were all samples collected during the first hour of discharge? ☐ YES ☒ NO, **attach explanation**

7. Was all storm water sampling preceded by three (3) working days without a storm water discharge? ☒ YES ☐ NO, **attach explanation**

8. Were there any discharges of storm water that had been temporarily stored or contained? (such as from a pond) ☒ YES ☐ NO, go to Item E.10

9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) ☒ YES ☐ NO, **attach explanation**

10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.

    a. Does Table D contain any additional parameters related to your facility's SIC code(s)? ☒ YES ☐ NO, Go to Item E.11

    b. Did you analyze all storm water samples for the applicable parameters listed in Table D? ☒ YES ☐ NO

    c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:

    _____ In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**

    _____ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**

    _____ Other. **Attach explanation**

11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:

- Date and time of sample collection
- Name and title of sampler
- Parameters tested
- Name of analytical testing laboratory
- Discharge location identification
- Testing results
- Test methods used
- Test detection limits
- Date of testing
- Copies of the laboratory analytical results

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**

Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

a. Do authorized non-storm water discharges occur at your facility?

☒ **YES** ☐ **NO** Go to Item F.2

b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. **Attach an explanation for any "NO" answers.** Indicate "N/A" for quarters without any authorized non-storm water discharges.

July-September	☒ **YES**	☐ **NO**	☐ **N/A**	October-December	☒ **YES**	☐ **NO**	☐ **N/A**
January-March	☒ **YES**	☐ **NO**	☐ **N/A**	April-June	☒ **YES**	☐ **NO**	☐ **N/A**

c. Use **Form 2** to report quarterly visual observations of authorized non-storm water discharges or provide the following information:

i. name of each authorized non-storm water discharge
ii. date and time of observation
iii. source and location of each authorized non-storm water discharge
iv. characteristics of the discharge at its source and impacted drainage area/discharge location
v. name, title, and signature of observer
vi. **any** new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. **Unauthorized Non-Storm Water Discharges**

Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non- storm water discharges and their sources. **Attach an explanation for any "NO" answers.**

July-September	☒ **YES**	☐ **NO**	October-December	☒ **YES**	☐ **NO**
January-March	☒ **YES**	☐ **NO**	April-June	☒ **YES**	☐ **NO**

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

☐ **YES** ☒ **NO** Go to Item F.2.d

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

☐ **YES** ☐ **NO** **Attach explanation**

d. Use **Form 3** to report quarterly unauthorized non-storm water discharge visual observations or provide the following information:

i. name of each unauthorized non-storm water discharge
ii. date and time of observation
iii. source and location of each unauthorized non-storm water discharge
iv. characteristics of the discharge at its source and impacted drainage area/discharge location
v. name, title, and signature of observer
vi. **any** corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers.** Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

	YES	NO		YES	NO
October	☒	☐	February	☐	☒
November	☐	☒	March	☐	☒
December	☒	☐	April	☒	☐
January	☒	☐	May	☐	☒

2. Report monthly wet season visual observations using **Form 4** or provide the following information:

   a. date, time, and location of observation
   b. name and title of observer
   c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed
   d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas? ☒ YES ☐ NO
   The following areas should be inspected:

   - areas where spills and leaks have occurred during the last year
   - outdoor wash and rinse areas
   - process/manufacturing areas
   - loading, unloading, and transfer areas
   - waste storage/disposal areas
   - dust/particulate generating areas
   - erosion areas
   - building repair, remodeling, and construction
   - material storage areas
   - vehicle/equipment storage areas
   - truck parking and access areas
   - rooftop equipment areas
   - vehicle fueling/maintenance areas
   - non-storm water discharge generating areas

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? ☒ YES ☐ NO

3. Have you inspected the entire facility to verify that the SWPPP's site map is up-to-date? The following site map items should be verified: ☒ YES ☐ NO

   - facility boundaries
   - outline of all storm water drainage areas
   - areas impacted by run-on
   - storm water discharges locations
   - storm water collection and conveyance system
   - structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation? ☒ YES ☐ NO

   The following records should be reviewed:

   - quarterly authorized non-storm water discharge visual observations
   - monthly storm water discharge visual observation
   - records of spills/leaks and associated clean-up/response activities
   - quarterly unauthorized non-storm water discharge visual observations
   - Sampling and Analysis records
   - preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit? ☒ YES ☐ NO

   The following SWPPP items should be reviewed:

   - pollution prevention team
   - list of significant materials
   - description of potential pollutant sources
   - assessment of potential pollutant sources
   - identification and description of the BMPs to be implemented for each potential pollutant source

6. Have you reviewed your SWPPP to assure that a) the BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented? ☒ YES ☐ NO

   The following BMP categories should be reviewed:

   - good housekeeping practices
   - spill response
   - employee training
   - erosion control
   - quality assurance
   - preventative maintenance
   - material handling and storage practices
   - waste handling/storage
   - structural BMPs

7. Has all material handling equipment and equipment needed to implement the SWPPP been inspected? ☒ YES ☐ NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report that includes:

- identification of personnel performing the evaluation
- the date(s) of the evaluation
- necessary SWPPP revisions
- schedule for implementing SWPPP revisions
- any incidents of non-compliance and the corrective actions taken

Use **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit? ☒ YES ☐ NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

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ATTACHMENT SUMMARY

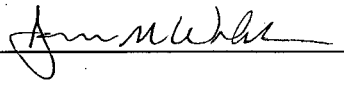
Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

1.	Have you attached Forms 1,2,3,4, and 5 or their equivalent?	☒ YES (Mandatory)		
2.	If you conducted sampling and analysis, have you attached the laboratory analytical reports?	☒ YES	☐ NO	☐ NA
3.	If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	☐ YES	☐ NO	☒ NA
4.	Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	☒ YES	☐ NO	☐ NA

ANNUAL REPORT CERTIFICATION

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and 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 ensure 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 person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: James M. Welsch

Signature:  Date: 6.24.10

Title: Director Operations Services – Diablo Canyon Power Plant

DESCRIPTION OF BASIC ANALYTICAL PARAMETERS

The Industrial Activities Storm Water General Permit (General Permit) requires you to analyze storm water samples for at least four parameters. These are pH, Total Suspended Solids (TSS), Specific Conductance (SC),and Total Organic Carbon (TOC). Oil and Grease (O&G) may be substituted for TOC. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge as a result of industrial activity and analytical parameters listed in Table D of the General Permit. There are no numeric limitations for the parameters you test for.

The four parameters which the General Permit requires to be tested are considered *indicator* parameters. In other words, regardless of what type of facility you operate, these parameters are nonspecific and general enough to usually provide some indication whether pollutants are present in your storm water discharge. The following briefly explains what each of these parameters mean:

pH is a numeric measure of the hydrogen-ion concentration. The neutral, or acceptable, range is within 6.5 to 8.5. At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. An example of an acidic substance is vinegar, and a alkaline or basic substance is liquid antacid. Pure rainfall tends to have a pH of a little less than 7. There may be sources of materials or industrial activities which could increase or decrease the pH of your storm water discharge. If the pH levels of your storm water discharge are high or low, you should conduct a thorough evaluation of all potential pollutant sources at your site.

Total Suspended Solids (TSS) is a measure of the undissolved solids that are present in your storm water discharge. Sources of TSS include sediment from erosion of exposed land, and dirt from impervious (i.e. paved) areas. Sediment by itself can be very toxic to aquatic life because it covers feeding and breeding grounds, and can smother organisms living on the bottom of a water body. Toxic chemicals and other pollutants also adhere to sediment particles. This provides a medium by which toxic or other pollutants end up in our water ways and ultimately in human and aquatic life. TSS levels vary in runoff from undisturbed land. It has been shown that TSS levels increase significantly due to land development.

Specific Conductance (SC) is a numerical expression of the ability of the water to carry an electric current. SC can be used to assess the degree of mineralization, salinity, or estimate the total dissolved solids concentration of a water sample. Because of air pollution, most rain water has a SC a little above zero. A high SC could affect the usability of waters for drinking, irrigation, and other commercial or industrial use.

Total Organic Carbon (TOC) is a measure of the total organic matter present in water. (All organic matter contains carbon) This test is sensitive and able to detect small concentrations of organic matter. Organic matter is naturally occurring in animals, plants, and man. Organic matter may also be man made (so called synthetic organics). Synthetic organics include pesticides, fuels, solvents, and paints. Natural organic matter utilizes the oxygen in a receiving water to biodegrade. Too much organic matter could place a significant oxygen demand on the water, and possibly impact its quality. Synthetic organics either do not biodegrade or biodegrade very slowly. Synthetic organics are a source of toxic chemicals that can have adverse affects at very low concentrations. Some of these chemicals bioaccumulate in aquatic life. If your levels of TOC are high, you should evaluate all sources of natural or synthetic organics you may use at your site.

Oil and Grease (O&G) is a measure of the amount of oil and grease present in your storm water discharge. At very low concentrations, O&G can cause a sheen (that floating "rainbow") on the surface of water (1 qt. of oil can pollute 250,000 gallons of water). O&G can adversely affect aquatic life and create unsightly floating material and film on water, thus making it undrinkable. Sources of O&G include maintenance shops, vehicles, machines and roadways.

If you have any questions regarding whether or not your constituent concentrations are too high, please contact your local Regional Board office. The United States Environmental Protection Agency (USEPA) has published stormwater discharge benchmarks for a number of parameters. These benchmarks may be helpful when evaluating whether additional BMPs are appropriate. These benchmarks can be accessed at our website at http://www.waterboards.ca.gov. It is contained in the Sampling and Analysis Reduction Certification.

See Storm Water Contacts at

http://www.waterboards.ca.gov/stormwtr/contact.html

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SIDE A

FORM 1-SAMPLING & ANALYSIS RESULTS
FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Trevor Rebel **TITLE:** Environmental Coordinator **SIGNATURE:**

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			PH	TSS	SC	TOC	O&G	Fe				
Marine Refuel Facility Runoff	10-13-09 09:15	07:25	7.1	556	190	8.5	(1)	18				
003 Yard Storm Drain	10-13-09 07:26	07:25	6.9	1,320	8,390	180	6.5	34				
004 Yard Storm Drain to Retention Basin	10-13-09 09:21	(2)	7.3	383	2,790	17	<5	11				
005 Yard Storm Drain	10-13-09 07:47	07:25	7.4	1,000	1,270	77	<5	32				
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/l				
TEST METHOD DETECTION LIMIT:			0.1	5	1	4	5	0.02				
TEST METHOD USED:			SM 4500HB	SM 2540D	SM 2510B	SM 5310B	EPA 1664A	EPA 200.7				
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB				

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

(1) No Oil and Grease (O&G) due to laboratory error as described in case narrative.

(2) Point sampled pre-released as explained in comments under Section E, Number 2.

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SIDE A

FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Trevor Rebel **TITLE:** Environmental Coordinator **SIGNATURE:**

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			PH	TSS	SC	TOC	O&G	Fe	Cr	Pb	Ni	
006 Yard Storm Drain (At Discharge)	10-13-09 08:06	07:50	7.9	494	282	20	<5	17	.018	.074	.019	
006 Range Immediate Out	10-13-09 09:07	08:30	7.8	711	181	18	<5	17	.034	.61	.052	
008 Yard Storm Drain	10-13-09 08:40	07:50	7.1	64	1,640	13	<5	3.5	NA	NA	NA	
009 Yard Storm Drain	10-13-09 07:45	07:25	7.4	8	550	2.9	<5	1.0	NA	NA	NA	
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
TEST METHOD DETECTION LIMIT:			0.1	5	1	4	5	0.02	0.001	0.001	0.001	
TEST METHOD USED:			SM 4500HB	SM 2540D	SM 2510B	SM 5310B	EPA 1664A	EPA 200.7	EPA 200.8	EPA 200.8	EPA 200.8	
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

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SIDE A

FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Trevor Rebel **TITLE:** Environmental Coordinator **SIGNATURE:**

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			PH	TSS	SC	TOC	O&G	Fe				
011 Yard Storm Drain	10-13-09 08:49	07:50	9.0	210	238	13	<5	8.7				
013 Yard Storm Drain	10-13-09 08:20	07:55	7.1	126	139	20	<5	6.0				
015 Yard Storm Drain	10-13-09 08:31	07:55	7.3	196	463	46	14	5.6				
023 Yard Storm Drain	10-13-09 07:31	07:25	6.4	388	2,580	64	5.4	15				
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/l				
TEST METHOD DETECTION LIMIT:			0.1	5	1	4	5	0.02				
TEST METHOD USED:			SM 4500HB	SM 2540D	SM 2510B	SM 5310B	EPA 1664A	EPA 200.7				
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB				

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

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SIDE B

FORM 1-SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Trevor Rebel **TITLE:** Environmental Coordinator **SIGNATURE:**

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For Second Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			PH	TSS	SC	TOC	O&G	Fe				
Marine Refuel Facility Runoff	02-24-10 02:55	02:45	7.3	14	143	9.2	<5	1.46				
003 Yard Storm Drain	02-24-10 03:05	02:45	7.2	48	530	13.2	<5	1.52				
004 Yard Storm Drain to Retention Basin	02-24-10 06:08	(1)	7.0	16	413	11.5	<5	0.80				
005 Yard Storm Drain	02-24-10 03:25	02:45	7.3	<5	2,030	5.7	<5	0.23				
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/l				
TEST METHOD DETECTION LIMIT:			0.1	5	1	4	5	0.02				
TEST METHOD USED:			SM 4500HB	SM 2540D	SM 2510B	SM 5310B	EPA 1664A	EPA 200.7				
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB				

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

(1) Point sampled pre-released as explained in comments under Section E, Number 2.

SIDE B

FORM 1-SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Trevor Rebel **TITLE:** Environmental Coordinator **SIGNATURE:**

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For Second Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			PH	TSS	SC	TOC	O&G	Fe	Cr	Pb	Ni	
006 Yard Storm Drain (At Discharge)	02-24-10 03:45	03:30	7.6	ND	263	6.0	<5	0.52	.004	.002	.003	
006 Range Immediate Out	02-24-10 05:40	05:30	8.2	28	114	11.0	<5	1.33	NA	.158	NA	
008 Yard Storm Drain	02-24-10 04:00	02:45	7.2	<5	604	9.1	<5	0.23	NA	NA	NA	
009 Yard Storm Drain	02-24-10 05:10	02:45	6.7	7	141	4.1	<5	0.32	NA	NA	NA	
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
TEST METHOD DETECTION LIMIT:			0.1	5	1	4	5	0.02	.002	0.01	0.01	
TEST METHOD USED:			SM 4500HB	SM 2540D	SM 2510B	SM 5310B	EPA 1664A	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7	
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

SIDE B

FORM 1-SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Trevor Rebel **TITLE:** Environmental Coordinator **SIGNATURE:**

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For Second Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			PH	TSS	SC	TOC	O&G	Fe				
011 Yard Storm Drain	02-24-10 04:10	03:45	7.6	ND	201	9.2	<5	0.45				
013 Yard Storm Drain	02-24-10 04:45	03:45	7.6	20	89	7.5	<5	0.82				
015 Yard Storm Drain	02-24-10 04:25	03:45	8.2	28	493	8.2	<5	1.57				
023 Yard Storm Drain	02-24-10 03:10	02:45	7.3	18	181	12.4	<5	1.15				
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/l				
TEST METHOD DETECTION LIMIT:			0.1	5	1	4	5	0.02				
TEST METHOD USED:			SM 4500HB	SM 2540D	SM 2510B	SM 5310B	EPA 1664A	EPA 200.7				
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB				

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

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FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.
- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** DATE: 07-21-09	**Observers Name:** Trevor Rebel **Title:** Environmental Coordinator **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☒ **YES** ☐ **NO** If **YES**, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: 10-01-09	**Observers Name:** Trevor Rebel **Title:** Environmental Coordinator **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☒ **YES** ☐ **NO** If **YES**, complete reverse side of this form.
QUARTER: **JAN.-MARCH** DATE: 01-05-10	**Observers Name:** Trevor Rebel **Title:** Environmental Coordinator **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☒ **YES** ☐ **NO** If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: 04-16-10	**Observers Name:** Trevor Rebel **Title:** Environmental Coordinator **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☒ **YES** ☐ **NO** If **YES**, complete reverse side of this form.

SIDE B

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD EXAMPLE: Air conditioner Units on Building C	NAME OF AUTHORIZED NSWD EXAMPLE: Air conditioner condensate	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
			At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
07-21-09 10:00	SWRO facility pump leak off drains to 005.	Water Pump Leak Off	Clean and Clear	Clean and Clear	None
07-21-09 10:30	Natural spring water to 006 pathway at approximately one (1) gpm.	Natural Spring	Clean and Clear	Clean and Clear	None

SIDE B

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD	NAME OF AUTHORIZED NSWD	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
	EXAMPLE: Air conditioner Units on Building C	EXAMPLE: Air conditioner condensate	At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
10-01-09 08:00	SWRO facility pump leak off drains to 005.	Water Pump Leak Off	Clean and Clear	Clean and Clear	None
10-01-09 08:20	Natural spring water to 006 pathway at approximately one (1) gpm.	Natural Spring	Clean and Clear	Clean and Clear	None

SIDE B

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD	NAME OF AUTHORIZED NSWD	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
	EXAMPLE: Air conditioner Units on Building C	EXAMPLE: Air conditioner condensate	At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
01-05-10 07:45	SWRO facility pump leak off drains to 005.	Water Pump Leak Off	Clean and Clear	Clean and Clear	None
01-05-10 08:00	Natural spring water to 006 pathway at approximately one (1) gpm.	Natural Spring	Clean and Clear	Clean and Clear	None

SIDE B

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD	NAME OF AUTHORIZED NSWD	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
	EXAMPLE: Air conditioner Units on Building C	EXAMPLE: Air conditioner condensate	At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
04-16-10 08:30	SWRO facility pump leak off drains to 005.	Water Pump Leak Off	Clean and Clear	Clean and Clear	None
04-16-10 08:40	Natural spring water to 006 pathway at approximately one (1) gpm.	Natural Spring	Clean and Clear	Clean and Clear	None

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SIDE A

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** **DATE/TIME OF OBSERVATIONS** 07-21-09 16:30	**Observers Name:** Trevor Rebel **Title:** Environmental Coordinator **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **OCT.-DEC.** **DATE/TIME OF OBSERVATIONS** 10-01-09 16:30	**Observers Name:** Trevor Rebel **Title:** Environmental Coordinator **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **JAN.-MARCH** **DATE/TIME OF OBSERVATIONS** 01-05-10 17:00	**Observers Name:** Trevor Rebel **Title:** Environmental Coordinator **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE/TIME OF OBSERVATIONS** 04-16-10 17:00	**Observers Name:** Trevor Rebel **Title:** Environmental Coordinator **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.

SIDE B

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	NAME OF UNAUTHORIZED NSWD	SOURCE AND LOCATION OF UNAUTHORIZED NSWD	DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.		DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.
	EXAMPLE: Vehicle Wash Water	EXAMPLE: NW Corner of Parking Lot	AT THE UNAUTHORIZED NSWD SOURCE	AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE LOCATION	
__/__/__ __:__ AM PM	NA	NA			
__/__/__ __:__ ☐AM ☐PM	NA	NA			
__/__/__ __:__ ☐AM ☐PM	NA	NA			
__/__/__ __:__ ☐AM ☐PM	NA	NA			

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October 13 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#1 Boat Marine Refuel Station	#2 003 Yard Storm Drain	#3 004 Yard Storm Drain to Retention Basin	#4 005 Yard Storm Drain
	Observation Time	09:15	07:26	09:25	07:47
	Time Discharge Began	07:25	07:25	Pre-Release	07:25
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	Yes ☒	No ☒	Yes ☒
Observation Date: November 2009 Observers Name Title: Signature:	Drainage Location Description	#1 Boat Marine Refuel Station	#2 003 Yard Storm Drain	#3 004 Yard Storm Drain to Retention Basin	#4 005 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)	No ☐	No ☐	No ☐	No ☐
Observation Date: December 10 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#1 Boat Marine Refuel Station	#2 003 Yard Storm Drain	#3 004 Yard Storm Drain to Retention Basin	#4 005 Yard Storm Drain
	Observation Time	12:52	12:46	12:54	13:20
	Time Discharge Began	12:45	12:45	Pre-Release	12:45
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: January 17 2010 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#1 Boat Marine Refuel Station	#2 003 Yard Storm Drain	#3 004 Yard Storm Drain to Retention Basin	#4 005 Yard Storm Drain
	Observation Time	12:00	11:54	12:25	12:07
	Time Discharge Began	11:50	11:50	Pre-Release	11:50
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October 13 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#5 006 Yard Storm Drain (At Discharge)	#6 Range Immediate Outlet	#7 007 Storm Water	#8 008 Yard Storm Drain
	Observation Time	08:06	09:07	No Discharge	08:40
	Time Discharge Began	07:50	08:30	No Discharge	07:50
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: November ___ 2009 Observers Name Title: Signature:	Drainage Location Description	#5 006 Yard Storm Drain (At Discharge)	#6 Range Immediate Outlet	#7 007 Storm Water	#8 008 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)	No ☐	No ☐	No ☐	No ☐
Observation Date: December 10 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#5 006 Yard Storm Drain (At Discharge)	#6 Range Immediate Outlet	#7 007 Storm Water	#8 008 Yard Storm Drain
	Observation Time	13:25	13:28	No Discharge	13:40
	Time Discharge Began	12:45	13:10	No Discharge	12:45
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: January 17 2010 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#5 006 Yard Storm Drain (At Discharge)	#6 Range Immediate Outlet	#7 007 Storm Water	#8 008 Yard Storm Drain
	Observation Time	12:12	12:17	No Discharge	12:34
	Time Discharge Began	11:50	12:10	No Discharge	11:50
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October 13 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#9 009 Yard Storm Drain	#10 010 Yard Storm Drain	#11 011 Yard Storm Drain	#12 012 Yard Storm Drain
	Observation Time	07:45	08:15	08:49	08:52
	Time Discharge Began	07:25	07:50	07:50	08:30
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: November 2009 Observers Name Title: Signature:	Drainage Location Description	#9 009 Yard Storm Drain	#10 010 Yard Storm Drain	#11 011 Yard Storm Drain	#12 012 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)	No ☐	No ☐	No ☐	No ☐
Observation Date: December 10 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#9 009 Yard Storm Drain	#10 010 Yard Storm Drain	#11 011 Yard Storm Drain	#12 012 Yard Storm Drain
	Observation Time	13:10	13:31	13:44	13:51
	Time Discharge Began	12:45	13:10	13:10	13:50
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: January 17 2010 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#9 009 Yard Storm Drain	#10 010 Yard Storm Drain	#11 011 Yard Storm Drain	#12 012 Yard Storm Drain
	Observation Time	12:25	12:18	12:37	12:40
	Time Discharge Began	11:50	12:10	12:10	12:10
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒

(1) January observation at point 009 observed by Jim Kelly, Senior Biologist.

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October 13 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#13 013 Yard Storm Drain	#14 014 Storm Water Runoff	#15 015 Yard Storm Drain	#16 020 Intake Deck Storm Drain
	Observation Time	08:20	08:55	08:31	07:27
	Time Discharge Began	07:55	07:55	07:55	07:25
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: November 2009 Observers Name Title: Signature:	Drainage Location Description	#13 013 Yard Storm Drain	#14 014 Storm Water Runoff	#15 015 Yard Storm Drain	#16 020 Intake Deck Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)	No ☐	No ☐	No ☐	No ☐
Observation Date: December 10 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#13 013 Yard Storm Drain	#14 014 Storm Water Runoff	#15 015 Yard Storm Drain	#16 020 Intake Deck Storm Drain
	Observation Time	14:08	14:05	13:57	12:47
	Time Discharge Began	13:10	13:10	13:10	12:45
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: January 17 2010 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#13 013 Yard Storm Drain	#14 014 Storm Water Runoff	#15 015 Yard Storm Drain	#16 020 Intake Deck Storm Drain
	Observation Time	12:25	12:47	12:51	11:55
	Time Discharge Began	12:10	12:10	12:10	11:50
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October 13 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#17 021 Yard Storm Drain	#18 023 Yard Storm Drain		
	Observation Time	07:30	07:31		
	Time Discharge Began	07:25	07:25		
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒		
Observation Date: November ___ 2009 Observers Name Title: Signature:	Drainage Location Description	#17 021 Yard Storm Drain	#18 023 Yard Storm Drain		
	Observation Time	None	None		
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)	No ☐	No ☐		
Observation Date: December 10 2009 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#17 021 Yard Storm Drain	#18 023 Yard Storm Drain		
	Observation Time	12:47	12:49		
	Time Discharge Began	12:45	12:45		
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒		
Observation Date: January 17 2010 Observers Name Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#17 021 Yard Storm Drain	#18 023 Yard Storm Drain		
	Observation Time	11:55	11:57		
	Time Discharge Began	11:50	11:50		
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒		

SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION EXAMPLE: Discharge from material storage Area #2	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
10-13-09 07:26	003 Discharge	Turbid water.	Entrained wind blown dirt and sediment from natural coastal erosion.	None. Wind blown sediment.
10-13-09 07:47	005 Discharge	Turbid water.	First storm of season carrying entrained sediment load from coastal bluff erosion and ground squirrel activities.	Additional pre-storm cleaning of pathway prior to September 15.

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1 Boat Marine Refuel Station	#2 003 Yard Storm Drain	#3 004 Yard Storm Drain to Retention Basin	#4 005 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: March____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1 Boat Marine Refuel Station	#2 003 Yard Storm Drain	#3 004 Yard Storm Drain to Retention Basin	#4 005 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: April __11__ 2010 Observers Name: Trevor Rebel Title: Environmental Coordinator Signature: _____	Drainage Location Description	#1 Boat Marine Refuel Station	#2 003 Yard Storm Drain	#3 004 Yard Storm Drain to Retention Basin	#4 005 Yard Storm Drain
	Observation Time	16:25	16:17	17:45	16:48
	Time Discharge Began	16:15	16:15	Pre-Release	16:15
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: May ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1 Boat Marine Refuel Station	#2 003 Yard Storm Drain	#3 004 Yard Storm Drain to Retention Basin	#4 005 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#5 006 Yard Storm Drain (At Discharge)	#6 Range Immediate Outlet	#7 007 Storm Water	#8 008 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: March____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#5 006 Yard Storm Drain (At Discharge)	#6 Range Immediate Outlet	#7 007 Storm Water	#8 008 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: April 11 2010 Observers Name: Trevor Rebel Title: Environmental Coordinator Signature: _____	Drainage Location Description	#5 006 Yard Storm Drain (At Discharge)	#6 Range Immediate Outlet	#7 007 Storm Water	#8 008 Yard Storm Drain
	Observation Time	16:50	16:53	No Discharge	17:05
	Time Discharge Began	16:35	16:40	No Discharge	16:15
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	N/A	No ☒
Observation Date: May ___ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#5 006 Yard Storm Drain (At Discharge)	#6 Range Immediate Outlet	#7 007 Storm Water	#8 008 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				

(1) April observation at point 008 observed by Jim Kelly, Senior Biologist.

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#9 009 Yard Storm Drain	#10 010 Yard Storm Drain	#11 011 Yard Storm Drain	#12 012 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: March____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#9 009 Yard Storm Drain	#10 010 Yard Storm Drain	#11 011 Yard Storm Drain	#12 012 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: April 11 2010 Observers Name: Trevor Rebel Title: Environmental Coordinator Signature: _____	Drainage Location Description	#9 009 Yard Storm Drain	#10 010 Yard Storm Drain	#11 011 Yard Storm Drain	#12 012 Yard Storm Drain
	Observation Time	16:33	16:50	17:10	17:13
	Time Discharge Began	16:15	16:35	16:35	17:00
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: May ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#9 009 Yard Storm Drain	#10 010 Yard Storm Drain	#11 011 Yard Storm Drain	#12 012 Yard Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				

(1) April observation at point 009 observed by Jim Kelly, Senior Biologist.

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#13 013 Yard Storm Drain	#14 014 Storm Water Runoff	#15 015 Yard Storm Drain	#16 020 Intake Deck Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began :				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: March____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#13 013 Yard Storm Drain	#14 014 Storm Water Runoff	#15 015 Yard Storm Drain	#16 020 Intake Deck Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: April 11 2010 Observers Name: Trevor Rebel Title: Environmental Coordinator Signature:	Drainage Location Description	#13 013 Yard Storm Drain	#14 014 Storm Water Runoff	#15 015 Yard Storm Drain	#16 020 Intake Deck Storm Drain
	Observation Time	17:24	17:18	17:20	16:20
	Time Discharge Began	16:35	16:35	16:35	16:15
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒	No ☒	No ☒
Observation Date: May ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#13 013 Yard Storm Drain	#14 014 Storm Water Runoff	#15 015 Yard Storm Drain	#16 020 Intake Deck Storm Drain
	Observation Time	None	None	None	None
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#17 021 Yard Storm Drain	#18 023 Yard Storm Drain		
	Observation Time:	None	None		
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: March____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#17 021 Yard Storm Drain	#18 023 Yard Storm Drain		
	Observation Time	None	None		
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				
Observation Date: April __11__ 2010 Observers Name: Trevor Rebel Title: Environmental Coordinator Signature: _____	Drainage Location Description	#17 021 Yard Storm Drain	#18 023 Yard Storm Drain		
	Observation Time	16:20	16:21		
	Time Discharge Began	16:15	16:15		
	Were Pollutants Observed (If yes, complete reverse side)	No ☒	No ☒		
Observation Date: May ____ 2010 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#17 021 Yard Storm Drain	#18 023 Yard Storm Drain		
	Observation Time	None	None		
	Time Discharge Began				
	Were Pollutants Observed (If yes, complete reverse side)				

SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION EXAMPLE: Discharge from material storage Area #2	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
NA	NA			

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FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 06 / 18 / 10 INSPECTOR NAME: Trevor Rebel TITLE: Environmental Coordinator SIGNATURE: _____

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Turbine Building	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			
Turbine Buttress	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			
U1 and U2 Transformer Yards	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			
Intake Areas	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form	Timing of street sweeping was not optimized.	Revised BMP: Additional street sweeping implemented with target completion by September 15.
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☒ YES ☐ NO			

SIDE B

FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 06 / 17 / 10 INSPECTOR NAME: Trevor Rebel TITLE: Environmental Coordinator SIGNATURE: [signature]

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Hazardous Waste Facility	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Area 10	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Sewage Treatment Facility	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Sea Water Reverse Osmosis Facility	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
	ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			

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FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 06 / 17 / 10 INSPECTOR NAME: Trevor Rebel TITLE: Environmental Coordinator SIGNATURE: [signature]

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)		If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Make Up Water Treatment Facility	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			
Waste Water Holding Facility	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			
Vehicle Maintenance Yard	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☒ YES ☐ NO		Timing of street sweeping was not optimized.	Revised BMP: Additional street sweeping implemented with target completion by September 15.
Fleet Vehicle Fueling	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO			

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FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 06 / 16 / 10 INSPECTOR NAME: Trevor Rebel TITLE: Environmental Coordinator SIGNATURE: _____

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Marine Fueling Facility	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
Shooting Range	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☒ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☒ YES ☐ NO	If yes, to either question, complete the next two columns of this form	**Additional improvements are currently under construction to reduce potential for transport of sediments and contaminates from the Shooting Range.**	**Additional structural BMP, upgraded trap system installation and erosion controls in progress. Completion date July 2010.**
500 kV Switch Yard	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
230 kV Switch Yard	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		

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FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 06 / 17 / 10 INSPECTOR NAME: Trevor Rebel TITLE: Environmental Coordinator SIGNATURE: _____

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Remote 12 kV Electrical Transformers	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☒ NO	If yes, to either question, complete the next two columns of this form		
Scaffold Yard Area	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☒ YES ☐ NO	If yes, to either question, complete the next two columns of this form	Drainage system upgrades needed to improve drainage flow to the Tri-Bar Flats settling basin.	Revised BMP: Drainage system upgrades (pipe, rip-rap, headwall) to existing system to reduce sediment load and erosion. Work scheduled to complete 09-30-10.
Accumulated windblown sand, dirt, and coastal grime	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☒ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☒ YES ☐ NO	If yes, to either question, complete the next two columns of this form	Timing of street sweeping activities previously staggered throughout non-rainy season and/or targeted to post project cleanup.	Revised BMP: Enhanced street sweeping more optimally timed to primarily occur just prior to the start of storm season each year. Targeted completion by September 15th.
	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☐ NO	If yes, to either question, complete the next two columns of this form		

The following narrative comments provide explanation, where required, for the 2009-2010 Annual Report for Storm Water Discharges Associated with Industrial Activities, Diablo Canyon Power Plant (DCPP), Facility WDID No. 340I018248.

General Comments:

1. Sample and observation times throughout the report are reported in 24-hr clock format.

2. This report has been completed in accordance with DCPP's commitment to implement provisions of the State General Industrial Storm Water Permit (General Permit) as outlined in PG&E Letter DCL-2006-556 to the Central Coast Region dated November 09, 2006.

3. During the 2009-2010 reporting year, background sampling was performed to help characterize run-on contributions for those chemical parameters analyzed as part of the industrial site storm water quality program. The background sampling was performed at three locations not influence by industrial activities. Results are presented in the following table:

Sample Point	pH	TSS	SC	TOC	Fe
	pH units	(mg/l)	(umhos/cm)	(mg/l)	(mg/l)
Intake South	5.3	675	1,690	16	38
Diablo Creek	8.3	88	709	8.3	1.5
Canyon South	7.0	80	212	20	7.9

The Intake South sample was taken directly from run-off exposed to coastal shale outcroppings. The Diablo Creek sample was taken during moderate storm water flows upstream of any site industrial activity. The Canyon South sample was taken downstream of coastal hillsides, and upstream of any site industrial activities.

The data provides evidence that naturally occurring conditions in the coastal location can be expected to contribute chemical constituents to the storm water sampled from outfall locations in the industrial zone that include large fractions of native run-on. Run-off from the native areas included multiple parameters in levels above the industrial storm water quality benchmarks. The laboratory analytical reports for the data presented are provided for reference.

Section Specific Comments:

Comments are arranged by section and item number.

Section E. Number 2. – Storm water discharge point 004 sampled pre-release for first storm water event and second sampled storm event. Storm water discharge 004 fills a retention basin prior to discharge.

Section E. Number 5. - Was the sample collection or analysis reduced in accordance with Section B.7.d of the General Permit?

Checked "Yes":

If "YES", attach documentation supporting your determination that two or more drainage areas are substantially identical.

The following text describes each discharge location and sample point. Additionally, substantially identical drainages, not sampled, are described as required by Section E, Number 5:

Boat – Marine Refueling Facility Runoff
Description: Storm water generated near and around the marine refueling facility.
Sample Point: Sample valve leading from concrete bermed area to final discharge approximately 10-ft away.

003 – Yard Storm Drain
Description: Storm water runoff from areas surrounding the seawater intake structure building.
Sample Point: Sampled at 003 culvert inlet as close to point of discharge as practicable. Storm water travels through the 003 culvert before combining with seawater discharge.

004 – Yard Storm Drain to Retention Basin
Description: Storm water drains to discharge 004 from the following areas on site:
- Southeast side of the Unit 2 Turbine Building,
- Administration Building,
- Security Building,
- Training and Maintenance Shop Buildings,
- Parking lots 4 and 5,
- Meteorological tower area,
- A small area to the west side of the west plant access road,
- Hazardous Waste Storage Unit,
- Firewater storage tank,
- Truck bay, and
- Firewater pump building.

Sample Point: Sampled at the inlet to the 004 retention basin. When full, the retained water in the de-silting basin overflows a vertical riser then flows through approximately 100-ft of underground conduit to discharge.

005 – Yard Storm Drain
Description: Storm Water drains to discharge 005 from the following areas on site:
- Independent Spent Fuel Storage Installation (ISFSI),
- Plant Yard on the Unit 2 side of Radioactive Waste Building,
- West side of the Turbine Building,
- Hazardous Materials Warehouse,
- Construction Offices,
- Parking lots 2, 3, 6, 7, and 8,
- Cold Machine Shop,
- Seawater Reverse Osmosis Facility,
- Biological Laboratory (not in service), and
- Fabrication Shop

Sample Point: Located in large concrete drainage canal downstream of a de-silting weir. Water flowing past the sample point travels another 50-ft of concrete surface before entering a 4-ft diameter conduit leading to a final discharge location with limited access.

006 – Yard Storm Drain

Description: Storm water drains to discharge 006 from the following areas on site:

- Pacific Ocean side of the ridge southeast of the power plant,
- Warehouse B,
- Shooting Range,
- Outdoor Abrasive Blast Facility,
- Fleet Vehicle Fueling Facility, and
- Parking Lot #1

Sample Point 006 at Discharge: Sampled from the culvert outlet as it enters a v-ditch. Storm water travels another 75-ft to discharge at a location with limited access.

Sample Point 006 Range Immediate Outlet: Sampled from culvert outlet immediately downstream of Diablo Canyon Shooting Range. Past the sampling point, storm water traverses 25-ft of concrete v-ditch, combining with upstream flows, before entering another underground culvert for 600-ft, then mixing with other 006 pathway flows listed above. Combined storm water then travels approximately 75-ft to outfall. This pathway undergoes significant dilution as all 006 flows combine prior to discharge from the plant site.

007 – Storm Water Runoff

Description: Storm water from watershed south and east of the facility. There are no industrial activities present in this path. Water discharges to an inaccessible rip-rap field west of the facility.

Sampling: This point is not sampled. The point is not downstream of industrial activities, and the underground conduit discharge location is not safely accessible.

008 – Yard Storm Drain

Description: Storm water yard drains from the following areas:

- Northwest side of the Turbine Building,
- Technical Maintenance Building, and
- Watershed on the north side of Diablo Creek to the northwest of the power plant.

Sample Point: Sample is taken from culvert inlet directly above discharge point. Note, this area has additional security requirements for access that may result in delayed sample times.

009 – Yard Storm Drain

Description: Storm water from the north and northeast side of the Unit 1 Auxiliary, Containment, Fuel Handling, and Turbine Buildings drains to the north side of the yard to discharge.

Sample Point: Sample is taken from an accessible sump nearest the point of discharge. From the sump, storm water then flows through an underground culvert 300-ft to a discharge location that is not safely accessible during storm events.

010 – Yard Storm Drain

Description: Runoff from the hillside between DCPP and the Raw Water Reservoirs drains into a concrete culvert that is routed to the north along steep inaccessible terrain prior to discharge.

Sample Point: This point is not sampled. Storm water collected from discharge 013 is substantially identical to this discharge point.

011 – Yard Storm Drain

Description: Runoff from Diablo Creek Road and the north sides of the 230 kV and 500 kV Switchyards.

Sample Point: Sample is taken at the inlet of an accessible drop-in culvert nearest the point of discharge. Storm water enters a steep metal conduit leading to the discharge point. The final discharge point is not safely accessible during a storm event and is in an area subject to restricted security access.

012 – Yard Storm Drain
Description: Runoff from the area between the 230 kV Switchyard and the 500 kV Switchyard drains to a vertical shaft leading to an underground culvert and discharge.
Sample Point: This point is not sampled. Storm water sampled from discharge 011 and 013 are substantially identical to this discharge point.

013 – Yard Storm Drain
Description: Storm water drains to 013 from the following areas:
- Raw Water Reservoirs,
- Makeup Water Treatment Facility, and
- 230 kV Switchyard

Sample Point: Sample taken from a sample well in the 013 concrete v-ditch. Water flows an additional 200-ft before entering an inaccessible metal conduit to discharge.

014 – Storm Water Runoff
Description: Storm water runoff from lay down areas and the hillside south and east of the 500 kV Switchyard is collected in a drainage ditch and routed to discharge.
Sample Point: This point is not sampled. Storm water sampled from discharge points 013 and 015 are substantially identical to this discharge point.

015 – Yard Storm Drain
Description: Storm water runoff from the area around the temporary auto facilities and adjacent roadway is collected in a drainage ditch and discharged.
Sample Point: Sample taken from drop in culvert downstream of automotive facility. After the sampling point, water flows 100-ft through an inaccessible culvert to a rip-rap field and discharge.

018 – Yard Storm Drain
Description: Storm water runoff from the east side of the Intake Structure Building.
Sample Point: This point is not sampled. Storm water sampled from discharge points 003 and 023 are substantially identical to this discharge point.

020 – Intake Deck Storm Drain
Description: Storm water collected directly in front of the seawater traveling screen housings drains to the circulating water pump fore bays through open gratings.
Sample Point: This point is not sampled. Storm water sampled from discharge points 003 and 023 are substantially identical to this discharge point.

021 – Yard Storm Drain
Description: Screen wash over spray drains and storm water from the east side of the traveling screen deck.
Sample Point: This point is not sampled. Storm water sampled from discharge points 003 and 023 are substantially identical to this discharge point.

023 – Yard Storm Drain
Description: Storm water generated on the north and east sides of Intake Structure Building and Intake roadways is drained through discharge point 023.
Sample Point: Sampled at the drop-in box culvert inlet approximately 10-ft prior to discharge.

Section E. Number 6. - Were all samples collected during the first hour of discharge?

Checked "No":

First storm event: Sample point Marine Refuel Facility Runoff discharge started 10-13-08 at 07:25 hrs. The sample was collected at 09:15 due to insufficient flow volume to obtain an adequate analytical sample when the outfall location was first observed at 07:25. Collector returned to the location only after completing sampling at other outfall locations.

Second storm event: Sample point 008 yard storm drain discharge started 02-24-10 at 02:45 hrs. The sample was collected at 04:00 due to safety and security area access delays for personnel performing the collection.

Second storm event: Sample point 009 yard storm drain discharge started 02-24-10 at 02:45 hrs. The sample was collected at 05:10 due to safety and security area access delays for personnel performing the collection.

Section E. Number 9. - Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events?

Checked, "Yes", with the following clarifying information:

Sample point 004 for both the first and second storm events were sampled as a pre-release. The 004 discharge path first fills a large settling basin before flowing through a riser pipe to discharge.

Section E. Number 11. - Discharge Location and Sample Point

Reference narrative comments for Section E. Number 5, above, for a description of discharge and sample point information.

Section G. Number 1. - Monthly Wet Season Visual Observations

Attach an explanation for any "NO" answer months.

November 2009 - No qualifying storm events occurred that produced discharge to waters of the state during day light hours.

February 2010 - No qualifying storm events occurred that produced discharge to waters of the state during day light hours.

March 2010 - No qualifying storm events occurred that produced discharge to waters of the state during day light hours.

May 2010 - Insufficient precipitation during May 2010.

(First Storm Water Event 18 Pages)

Creek Environmental Laboratories, Inc. Chain-of-Custody

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Order # Q5404

• Please Print in Pen ☐ DW EDT ☐ LUFT EDF ☐ Custom EDD PG 1 OF 2

Client Name	Contact	Phone	Due Date:
DCPP	T. REBEL	5453607	24Hr 48Hr Other (Normal TAT)
Address: 9 Miles NW City: Avila Beach State: Zip: 93424		Fax	Cell / Beeper
Project Name/Number: STORM WATER		PO#	Copies To:
Bill to: (if different from above)	Address	City	State Zip
Sampler Name (Print): TREVOR REBEL	Comments: STORM WATER SET #1		Matrix Key: DW = Drinking Water AQ = Aqueous SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2009-003-1	10-13-09 0726	STORM WATER Fe, G&O	AQ	5	P/UNP/QT A; AG/H2SO4 B; P/HNO3/250 C; VV/HCL DE	14701
2009-023-1	10-13-09 0731	↓	↓	↓	↓	14702
2009-130AT-1	10-13-09 0915	↓	↓	↓	↓	14703
2009-004-1	10-13-09 0921	↓	↓	↓	↓	14704
2009-005-1	10-13-09 0747	↓	↓	↓	↓	14705
2009-006 OUT-1	10-13-09 0806	↓	↓	↓	↓	14706
2009-013-1	10-13-09 0820	↓	↓	↓	↓	14707
2009-015-1	10-13-09 0831	↓	↓	↓	↓	14708

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
[signature]	TREVOR REBEL	PG&E				
			10-13-09 1158	[signature]	T[illegible]	Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: (Client)/ Lab/ Courier: Sample Conditions: **Temp:** 17.6 Intact (Y)/N Custody Sealed: Y/N

REMARKS: ____

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # 0540

PG 2052

- Please Print in Pen ☐ DW EDT ☐ LUFT EDF ☐ Custom EDD

Client Name	Contact	Phone	Due Date:
DCPP	TREFSEL	545 3607	24Hr 48Hr Other Normal TAT
Address 7 MILES NW **City** AVILA BEACH **State** **Zip** 93424		Fax	Cell Beeper
Project Name/Number STORM WATER		PO#	Copies To:
Bill to: (if different from above)	Address	City	State Zip
Sampler Name (Print) TREVOR REFSEL	Comments: STORM WATER SEG # 1		**Matrix Key:** DW = Drinking Water AQ = Aqueous SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2009—011—1	10-13-09 0849	STORM WATER, Fe, TSS	AQ	5	PLNP/GT AG/H2SO4 P/HNO3 220 VW/HCL	14709
2009—008—1	10-13-09 0840					14710
2009—009—1	10-13-09 0745					14711

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
	TREVOR REFSEL	PG&E				
			10-13-09 1158		TINA HERB	Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: Client/Lab/Courier: Sample Conditions: Temp: 11.6 Intact: Y/N Custody Sealed: Y/N

REMARKS

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Date: November 2, 2009

CASE NARRATIVE Q5404

Client: **Diablo Canyon Power Plant**
Sample(s): **09-C14703**
Sampled: **10/13/09** **Received: 10/13/09**

The Oil and Grease test (EPA 1664A) for sample 09-C14703 (2009-BOAT-1) was cancelled by the Laboratory. The result of the O&G test was suspect because of a breakthrough of the drying agent during the analysis of sample 09-C14703. Limitation of sample quantity did not allow repeat of the O&G test. Client was notified of the cancellation.

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Lab Director, Michael Ng

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14701
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-003-1	Trevor Rebel	10/13/09@07:26	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	8,930	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	6.5	5	1	mg/L	EPA 1664A	10/23/09	10/23/09	3182
pH	6.9	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	1,320	5	1	mg/L	SM 2540D	10/15/09		2965
Total Organic Carbon	180	10	50	mg/L	SM 5310B	10/20/09		3062
Iron	34	0.02	1	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Lab Director, Michael Ng

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14702
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-023-1	Trevor Rebel	10/13/09@07:31	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	2,580	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	5.4	5	1	mg/L	EPA 1664A	10/23/09	10/23/09	3182
pH	6.4	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	388	5	1	mg/L	SM 2540D	10/15/09		2965
Total Organic Carbon	64	10	50	mg/L	SM 5310B	10/20/09		3062
Iron	15	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14703
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-BOAT-1	Trevor Rebel	10/13/09@09:15	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	190	1	1	umhos/cm	SM 2510B	10/13/09		3130
pH	7.1	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	556	5	1	mg/L	SM 2540D	10/15/09		2965
Total Organic Carbon	8.5	2	10	mg/L	SM 5310B	10/23/09		3298
Iron	18	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14704
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-004-1	Trevor Rebel	10/13/09@09:21	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	2,790	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	Not Detected	5	1	mg/L	EPA 1664A	10/23/09	10/23/09	3182
pH	7.3	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	383	5	1	mg/L	SM 2540D	10/15/09		2965
Total Organic Carbon	17	2	10	mg/L	SM 5310B	10/23/09		3298
Iron	11	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14705
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-005-1	Trevor Rebel	10/13/09@07:47	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	1,270	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	Not Detected	5	1	mg/L	EPA 1664A	10/23/09	10/23/09	3182
pH	7.4	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	1,000	5	1	mg/L	SM 2540D	10/15/09		2966
Total Organic Carbon	77	10	50	mg/L	SM 5310B	10/20/09		3091
Iron	32	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14706
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-0060UT-1	Trevor Rebel	10/13/09@08:06	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	282	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	Not Detected	5	1	mg/L	EPA 1664A	10/23/09	10/23/09	3182
pH	7.9	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	494	5	1	mg/L	SM 2540D	10/15/09		2966
Total Organic Carbon	20	2	10	mg/L	SM 5310B	10/23/09		3298
Iron	17	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14707
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-013-1	Trevor Rebel	10/13/09@08:20	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	139	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	Not Detected	5	1	mg/L	EPA 1664A	10/26/09	10/23/09	3296
pH	7.1	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	126	5	1	mg/L	SM 2540D	10/15/09		2966
Total Organic Carbon	20	2	10	mg/L	SM 5310B	11/02/09		3477
Iron	6.0	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14708
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-015-1	Trevor Rebel	10/13/09@08:31	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	463	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	14	5	1	mg/L	EPA 1664A	10/26/09	10/23/09	3296
pH	7.3	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	196	5	1	mg/L	SM 2540D	10/15/09		2966
Total Organic Carbon	46	10	50	mg/L	SM 5310B	10/20/09		3091
Iron	5.6	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14709
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-011-1	Trevor Rebel	10/13/09@08:49	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	238	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	Not Detected	5	1	mg/L	EPA 1664A	10/26/09	10/23/09	3296
pH	9.0	0.1	1	pH units	SM 4500-H-B	10/13/09		3130
Total Suspended Solids	210	5	1	mg/L	SM 2540D	10/15/09		2966
Total Organic Carbon	13	2	10	mg/L	SM 5310B	10/23/09		3298
Iron	8.7	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Lab Director, Michael Ng

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14710
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-008-1	Trevor Rebel	10/13/09@08:40	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	1,640	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	Not Detected	5	1	mg/L	EPA 1664A	10/26/09	10/23/09	3296
pH	7.1	0.1	1	pH units	SM 4500-H B	10/13/09		3130
Total Suspended Solids	64	5	1	mg/L	SM 2540D	10/15/09		2966
Total Organic Carbon	13	2	10	mg/L	SM 5310B	10/23/09		3298
Iron	3.5	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14711
Order: Q5404
Project: Stormwater
Received: 10/13/09
Printed: 11/02/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-009-1	Trevor Rebel	10/13/09@07:45	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	550	1	1	umhos/cm	SM 2510B	10/13/09		3130
Oil & Grease	Not Detected	5	1	mg/L	EPA 1664A	10/26/09	10/23/09	3296
pH	7.4	0.1	1	pH units	SM 4500-H-B	10/13/09		3130
Total Suspended Solids	8	5	1	mg/L	SM 2540D	10/15/09		2966
Total Organic Carbon	2.9	2	10	mg/L	SM 5310B	10/23/09		3298
Iron	1.0	0.2	10	mg/L	EPA 200.7	10/22/09	10/20/09	3218

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # Q5402

- Please Print in Pen

☐ DW EDT ☐ LUFT EDF ☐ Custom EDD

Client Name	Contact	Phone	Due Date:
DCPP	T REBEL	5453207	24Hr 48Hr Other (Normal TAT)
Address: 7 MILES NW City: AVILA State: Zip: 93424		Fax	Cell / Beeper
Project Name/Number: STORM WATER		PO#	Copies To:
Bill to: (if different from above)	Address	City	State Zip
Sampler Name (Print): TREVOR REBAL	Comments: STORM WATR SET #1		Matrix Key: DW = Drinking Water AQ = Aqueous SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2009-RANGE-1	10-13-09 0907	STORM WATER, 990 Fe, Pb, Ni, Cu	AQ	6	Plunp/QTA AG/H2SO4/B 2x P/H2SO4 C,D 2VV/HCL HOM/EF	14694

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
[signature]	TREVOR REBAL	PG&E				
			10-13-09 1156	[signature]	Tina [illegible]	Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: (Client)/ Lab/ Courier: Sample Conditions: Temp: 17.2 Intact: (Y)/N Custody Sealed: Y/ N

REMARKS

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14699
Order: Q5402
Project: Stormwater
Received: 10/13/09
Printed: 10/26/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-Range-1	Trevor Rebel	10/13/09@09:07	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	181	1	1	umhos/cm	SM 2510B	10/13/09		3133
Oil & Grease	Not Detected	5	1	mg/L	EPA 1664A	10/23/09	10/23/09	3182
pH	7.8	0.1	1	pH units	SM 4500-H B	10/13/09		3133
Total Suspended Solids	711	5	1	mg/L	SM 2540D	10/15/09		2965
Total Organic Carbon	18	2	10	mg/L	SM 5310B	10/20/09		3062
Iron	17	0.02	1	mg/L	EPA 200.7	10/22/09	10/20/09	3218
Chromium	0.034	0.002	2	mg/L	EPA 200.8	10/21/09	10/20/09	3114
Lead	0.61	0.001	1	mg/L	EPA 200.8	10/21/09	10/20/09	3114
Nickel	0.052	0.002	2	mg/L	EPA 200.8	10/21/09	10/20/09	3114

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # Q5403

- Please Print in Pen

☐ DW EDT ☐ LUFT EDF ☐ Custom EDD

Client Name	Contact	Phone	Due Date:
DCPP	T. REBEL	5453607	24Hr 48Hr Other Normal TAT
Address	**City**	**State**	**Zip** / Fax / Cell / Beeper
9 MILES NW	NIPOMO	CA	93444
Project Name/Number: STORM WATER		PO#	Copies To:
Bill to: (if different from above)	Address	City	State Zip
Sampler Name (Print): TREVOR REBEL	Comments: STORM WATER SET #1		**Matrix Key:** DW = Drinking Water AQ = Aqueous SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2009-006 OUT-1	10-13-09 0806	Pb, Ni, Cr	AQ	1	P/HNO3/250	14700

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
	TREVOR REBEL					
			10-13-09 1517			Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: Client/ Lab/ Courier: Sample Conditions: **Temp:** 1.7 C Intact: Y/N Custody Sealed: Y/N

REMARKS

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A Minority-owned Business Enterprise
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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 09-C14700
Order: Q5403
Project: Stormwater
Received: 10/13/09
Printed: 10/22/09

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
2009-0060UT-1	Trevor Rebel	10/13/09@08:06	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Chromium	0.018	0.002	2	mg/L	EPA 200.8	10/21/09	10/20/09	3114
Lead	0.074	0.001	1	mg/L	EPA 200.8	10/21/09	10/20/09	3114
Nickel	0.019	0.002	2	mg/L	EPA 200.8	10/21/09	10/20/09	3114

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

(Second Storm Event 40 Pages)

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Creek Environmental Laboratories Work Order: 10B0101
Date Printed: 12 March 2010

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Dear Trevor Rebel

Thank you for choosing Creek Environmental Laboratories for your analytical testing needs. This report has been prepared in response to your request for analytical services. Enclosed are the following sections for your complete laboratory report:

Case Narrative
Analytical Results
Quality Control Summary
Chain of Custody
Sample Integrity Check

Creek Environmental Laboratories certifies that the test results contained in this report meet all requirements of the ELAP Standards for applicable certified analysis under CDPH Environmental Laboratory Accreditation Program (ELAP) Certificate #1958. Any exceptions to applicable standards have been noted in the case narrative. Please visit our web page at www.creeklabs.com for additional certification information. This report shall not be reproduced, except in full, without written permission from Creek Environmental Laboratories.

If you have any questions regarding any portion of this report, please feel free to contact Judy Wensloff or Michael Ng at (805) 545-9838 (judy@creeklabs.com or mike@creeklabs.com).

Michael Ng
Lab Director

CREEK ENVIRONMENTAL LABORATORIES, INC.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order:	10B0101
Project:	Storm Water
Project Number:	[none]
Received:	02/24/10
Printed:	03/12/10

CASE NARRATIVE

The following samples were submitted by Diablo Canyon Power Plant :

2010-003-2	10B0101-01
2010-004-2	10B0101-04
2010-005-2	10B0101-05
2010-006-2	10B0101-06
2010-008-2	10B0101-10
2010-009-2	10B0101-11
2010-011-2	10B0101-09
2010-013-2	10B0101-07
2010-015-2	10B0101-08
2010-023-2	10B0101-02
2010-BOAT-2	10B0101-03

The samples were received intact with no sampling anomaly.

All samples were prepared and analyzed within holding times. All analytical parameters were within quality control limits and there was no analytical anomaly.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-003-2 (10B0101-01)	**Trevor Rebel**	**02/24/10 @ 3:05**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**530**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.2**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**13.2**	**2.0**	**10**	**mg/L**	**SM 5310B**	**03/05/10**	**03/04/10**	**1010043**	
Total Suspended Solids	**48**	**5**	**1**	**mg/L**	**SM 2540D**	**02/25/10**	**02/25/10**	**1009070**	
Metals by EPA 200.7									
Iron	**1.52**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-023-2 (10B0101-02)	**Trevor Rebel**	**02/24/10 @ 3:10**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**181**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.3**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**12.4**	**1.0**	**5**	**mg/L**	**SM 5310B**	**03/04/10**	**03/04/10**	**1011030**	
Total Suspended Solids	**18**	**5**	**1**	**mg/L**	**SM 2540D**	**02/25/10**	**02/25/10**	**1009070**	
Metals by EPA 200.7									
Iron	**1.15**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-BOAT-2 (10B0101-03)	**Trevor Rebel**	**02/24/10 @ 2:55**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**143**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.3**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**9.2**	**2.0**	**10**	**mg/L**	**SM 5310B**	**03/05/10**	**03/04/10**	**1010043**	
Total Suspended Solids	**14**	**5**	**1**	**mg/L**	**SM 2540D**	**02/25/10**	**02/25/10**	**1009070**	
Metals by EPA 200.7									
Iron	**1.46**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-004-2 (10B0101-04)	**Trevor Rebel**	**02/24/10 @ 6:08**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**413**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.0**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**11.5**	**2.0**	**10**	**mg/L**	**SM 5310B**	**03/05/10**	**03/04/10**	**1010043**	
Total Suspended Solids	**16**	**5**	**1**	**mg/L**	**SM 2540D**	**02/25/10**	**02/25/10**	**1009070**	
Metals by EPA 200.7									
Iron	**0.80**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-005-2 (10B0101-05)	**Trevor Rebel**	**02/24/10 @ 3:25**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**2030**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.3**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**5.7**	**0.4**	**2**	**mg/L**	**SM 5310B**	**03/05/10**	**03/04/10**	**1010043**	
Total Suspended Solids	ND	5	1	mg/L	SM 2540D	02/25/10	02/25/10	1009070	
Metals by EPA 200.7									
Iron	**0.23**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-006-2 (10B0101-06)	**Trevor Rebel**	**02/24/10 @ 3:45**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**263**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.6**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**6.0**	**0.4**	**2**	**mg/L**	**SM 5310B**	**03/05/10**	**03/04/10**	**1010043**	
Total Suspended Solids	ND	5	1	mg/L	SM 2540D	02/25/10	02/25/10	1009070	
Metals by EPA 200.7									
Iron	**0.52**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-013-2 (10B0101-07)	**Trevor Rebel**	**02/24/10 @ 4:45**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**89**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.6**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**7.5**	**2.0**	**10**	**mg/L**	**SM 5310B**	**03/05/10**	**03/04/10**	**1010043**	
Total Suspended Solids	20	5	1	mg/L	SM 2540D	02/25/10	02/25/10	1009070	
Metals by EPA 200.7									
Iron	**0.82**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-015-2 (10B0101-08)	**Trevor Rebel**	**02/24/10 @ 4:25**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**493**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**8.2**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**8.2**	**1.0**	**5**	**mg/L**	**SM 5310B**	**03/04/10**	**03/04/10**	**1011030**	
Total Suspended Solids	**28**	**5**	**1**	**mg/L**	**SM 2540D**	**02/25/10**	**02/25/10**	**1009070**	
Metals by EPA 200.7									
Iron	**1.57**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-011-2 (10B0101-09)	**Trevor Rebel**	**02/24/10 @ 4:10**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**201**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.6**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**9.2**	**2.0**	**10**	**mg/L**	**SM 5310B**	**03/05/10**	**03/04/10**	**1010043**	
~~Total Suspended Solids~~	~~ND~~	~~5~~	~~1~~	~~mg/L~~	~~SM 2540D~~	~~03/02/10~~	~~03/02/10~~	~~1010025~~	
Metals by EPA 200.7									
Iron	**0.45**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-008-2 (10B0101-10)	**Trevor Rebel**	**02/24/10 @ 4:00**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**604**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**7.2**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**9.1**	**2.0**	**10**	**mg/L**	**SM 5310B**	**03/11/10**	**03/04/10**	**1011030**	
~~Total Suspended Solids~~	~~ND~~	~~5~~	~~1~~	~~mg/L~~	~~SM 2540D~~	~~03/02/10~~	~~03/02/10~~	~~1010025~~	
Metals by EPA 200.7									
Iron	**0.23**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-009-2 (10B0101-11)	**Trevor Rebel**	**02/24/10 @ 5:10**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**141**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	03/01/10	03/01/10	1010026	
pH	**6.7**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**4.1**	**0.2**	**1**	**mg/L**	**SM 5310B**	**03/04/10**	**03/04/10**	**1011030**	
Total Suspended Solids	**7**	**5**	**1**	**mg/L**	**SM 2540D**	**03/02/10**	**03/02/10**	**1010025**	
Metals by EPA 200.7									
Iron	**0.32**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

QUALITY CONTROL SUMMARY

General Chemistry

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1009070 - NO PREP										
Blank (1009070-BLK1)				**Batch: 1009070**						
Total Suspended Solids	ND	5	mg/L							
Duplicate (1009070-DUP1)	**Source: 10B0115-01**			**Batch: 1009070**						
Total Suspended Solids	13	5	mg/L		13			2	30	
Batch 1010025 - NO PREP										
Blank (1010025-BLK1)				**Batch: 1010025**						
Total Suspended Solids	ND	5	mg/L							
Duplicate (1010025-DUP1)	**Source: 10C0002-01**			**Batch: 1010025**						
Total Suspended Solids	29	5	mg/L		28			5	30	
Batch 1010026 - NO PREP										
Blank (1010026-BLK1)				**Batch: 1010026**						
Total Oil & Grease	ND	5	mg/L							
LCS (1010026-BS1)				**Batch: 1010026**						
Total Oil & Grease	34.7	5	mg/L	40.0		87	78-114			
LCS Dup (1010026-BSD1)				**Batch: 1010026**						
Total Oil & Grease	37.2	5	mg/L	40.0		93	78-114	7	25	
Batch 1010043 - NO PREP										
Blank (1010043-BLK1)				**Batch: 1010043**						
Total Organic Carbon	ND	0.2	mg/L							
LCS (1010043-BS1)				**Batch: 1010043**						
Total Organic Carbon	2.4	0.2	mg/L	2.50		95	80-120			
Duplicate (1010043-DUP1)	**Source: 10C0038-01**			**Batch: 1010043**						
Total Organic Carbon	17.8	2.0	mg/L		19.4			9	20	
Matrix Spike (1010043-MS1)	**Source: 10B0101-07**			**Batch: 1010043**						
Total Organic Carbon	25.9	2.0	mg/L	25.0	7.5	74	70-130			

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

QUALITY CONTROL SUMMARY

General Chemistry

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1010043 - NO PREP										
Matrix Spike Dup (1010043-MSD1)	**Source: 10B0101-07**			**Batch: 1010043**						
Total Organic Carbon	26.3	2.0	mg/L	25.0	7.5	75	70-130	1	30	
Batch 1010053 - NO PREP										
Blank (1010053-BLK1)				**Batch: 1010053**						
pH	ND	0.1	pH Units							
Specific Conductance (EC)	ND	1	umhos/cm							
LCS (1010053-BS1)				**Batch: 1010053**						
pH	7.0	0.1	pH Units	7.00		101	90-110			
Specific Conductance (EC)	698	1	umhos/cm	706		99	80-120			
Duplicate (1010053-DUP1)	**Source: 10B0101-02**			**Batch: 1010053**						
pH	7.2	0.1	pH Units		7.3			2	10	
Specific Conductance (EC)	183	1	umhos/cm		181			1	20	
Batch 1011030 - NO PREP										
Blank (1011030-BLK1)				**Batch: 1011030**						
Total Organic Carbon	ND	0.2	mg/L							
LCS (1011030-BS1)				**Batch: 1011030**						
Total Organic Carbon	2.5	0.2	mg/L	2.50		100	80-120			

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0101
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/12/10

QUALITY CONTROL SUMMARY

Metals by EPA 200.7

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1010004 - EPA 200.7										
Blank (1010004-BLK1)				**Batch: 1010004**						
Iron	ND	0.02	mg/L							
LCS (1010004-BS1)				**Batch: 1010004**						
Iron	1.98	0.02	mg/L	2.00		99	85-115			
Matrix Spike (1010004-MS1)	**Source: 10B0101-06**			**Batch: 1010004**						
Iron	2.47	0.02	mg/L	2.00	0.52	98	75-125			
Matrix Spike Dup (1010004-MSD1)	**Source: 10B0101-06**			**Batch: 1010004**						
Iron	2.51	0.02	mg/L	2.00	0.52	100	75-125	2	20	

DEFINITIONS

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
LOQ	Limit of Quantitation
RPD	Relative Percent Difference

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.01:4051
	EC	(Water)	Special Units: (umhos/cm)
	Fe 200.7 AQ	(Water)	Special Units: (mg/L)
	Oil & Grease	(Water)	Special Units: (mg/L)
	pH (Lab)	(Water)	Special Units: (pH Units)
	TOC	(Water)	Special Units: (mg/L)
	TSS	(Water)	Special Units: (mg/L)

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # 10B010

• Please Print in Pen ☐ DW EDT ☐ LUFT EDF ☐ Custom EDD Pg 1 of 2

Client Name	Contact	Phone	Due Date:
DCPP	T. REBEL	545-3607	24Hr 48Hr Other (Normal TAT)
Address	**City**	**State**	**Zip**	**Fax**	**Cell / Beeper**
9 MILES NW	AVILA BEACH		93424	545-3459	4410435
Project Name/Number: STORM WATER				PO#:	Copies To:
Bill to: (if different from above)	Address	City	State	Zip	
Sampler Name (Print): TREVOR REBEL	Comments: STORM WATER SET #2				Matrix Key: DW = Drinking Water, AQ = Aqueous, SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2010-003-2	2-24-10 0305	STORM WATER, Fe, Cu, O	AQ	5	P/UNP/QTA P/HNO3/100ml	01
2010-023-2	2-24-10 0310				AG/H2SO4/LC 2xVV/HCL/40ml	02
2010-BOT-2	2-24-10 0255					03
2010-004-2	2-24-10 0608					04
2010-005-2	2-24-10 0325					05
2010-006-2	2-24-10 0345					06
2010-013-2	2-24-10 0445					07
2010-015-2	2-24-10 0425					08

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
	TREVOR REBEL	PG&E	2-24-10 1352			
			2-24-10 1352			Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: (Client)/Lab/ Courier: Sample Conditions: Temp: 17.8 Intact: (Y)/N Custody Sealed: Y/N

REMARKS

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # 10B01(

• Please Print in Pen ☐ DW EDT ☐ LUFT EDF ☐ Custom EDD

Client Name	Contact	Phone	Due Date:
DCPP	T. REBEL	545-3607	24Hr 48Hr Other Normal TAT
Address	**City**	**State**	**Zip**	Fax	Cell
9 MILES NW	AVILA BEACH		93424	545-3459	Beeper 441-5435
Project Name/Number				PO#	Copies To:
STORM WATER					
Bill to: (if different from above)	Address	City	State	Zip	
Sampler Name (Print)	Comments:	Matrix Key: DW = Drinking Water
TREVOR REBEL	STORM WATER SET #2	AQ = Aqueous SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2010 - 011 - 2	2-24-10 0410	STORM WATER, Fe, 4,10	AQ	5		-09
2010 - 008 - 2	2-24-10 0400	↓	↓	↓	↓	-10
2010 - 009 - 2	2-24-10 0570					-11

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
	TREVOR REBEL	PG&E	2-24-10 1352			
			2-24-10 1352			Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: Client/Lab/ Courier: Sample Conditions: Temp: 17.8 Intact: Y/N Custody Sealed: Y/ N

REMARKS

SAMPLE INTEGRITY CHECK

Order # 1080101

Date Received: 2-24-10 Labeled By: RM Checked By: KEW

COOLER CHECK

Cooler Type: ☒ Ice Chest ☐ Box ☐ None ☐ Exterior Fridge # ☐ Other _____

Number of Cooler(s): _____ Cooler packing OK? ☒ Yes ☐ No Explain _____

Temperature(s): 17.8 °C Cooled by: ☐ Wet Ice ☐ Blue Ice ☒ None

☒ Sampled same day: Has chilling process begun? ☐ Yes ☒ No ☒ Chilled to touch ☐ Ambient ☐ Frozen

☐ Sampled previously: Temperature ≤ 6°C? ☐ Yes ☐ No

☐ Bacti samples: Temperature ≤ 10°C? ☐ Yes ☐ No

Comment _____

CHAIN-OF-CUSTODY CHECK

☐ COC was not received

COC Information Check: ☒ Client Name ☒ Client Address ☒ Client Phone/Fax Number

☐ Project Name ☒ Sampler Name ☒ Sample Description

☒ Date & Time Sampled ☒ Analysis requested ☒ Matrix

Holding Time Check: ☐ No HT issue ☒ < 72 hr left in HT ☒ HT expired upon receipt

Analysis affected: ☐ pH ☐ DO ☐ Chlorine ☐ Other _____

Rush TAT requested? ☒ No ☐ Yes ☐ Lab Manager was notified of rush sample(s).

Any special instructions? ☒ No ☐ Yes ☐ Proper lab personnel was notified of special instructions.

Comment _____

BOTTLES CHECK

Did all bottles arrive intact with no leak or anomaly? ☒ Yes ☐ No Comment _____

Did all bottle labels agree with COC? ☒ Yes ☐ No Comment _____

Was sample quantity sufficient for the tests? ☒ Yes ☐ No Comment _____

Were proper containers used for the tests? ☒ Yes ☐ No Comment _____

☒ VOA vials received: ☐ No bubbles > 5 mm ☒ w/ HCl ☐ w/ Ascorbic acid ☐ TOC Other _____

Were proper preservatives used for the tests? ☒ Yes ☐ No Comment _____

☒ pH checked (except VOA) ☒ pH < 2 ☐ pH > 12 ☐ Other Comment _____

☐ Chlorine checked (except VOA and Bacti) ☐ Neg. ☐ Pos. Comment _____

☐ Sulfide checked (Cyanide only) ☐ Neg. ☐ Pos. ☐ Analyst was notified of presence of sulfide.

☐ Preserved in lab: Sample ID: _____ Preservation: _____ Init _____ Date/Time _____

☐ Filtered in lab Sample ID: _____ Test(s): _____ Init _____ Date/Time _____

☐ Sample split/composited in lab Sample ID: _____ New ID: _____

☐ Test(s) to sub _____ Subcontract Lab _____

☐ Project Manager was notified of discrepancies.

Comment _____

Reject the samples or obtain client authorization to proceed if any of the following problems exists:

(Circle all applicable conditions.)

#1 Sample integrity has been compromised due to temperature outside of acceptable limits.
#2 Sample integrity has been compromised due to improper bottles/preservatives.
#3 Sample integrity has been compromised due to breakage or loss.
#4 Sample holding time has expired upon receipt or there is insufficient time to meet holding time.
#5 Sample identification cannot be ascertained or analytical request is unclear.
#6 Laboratory does not have the capability or capacity to fulfill the analytical request.
#7 Other problems. Explain:

☐ Samples not accepted. Comment: Initials _____ Date/Time _____

☐ Authorized to proceed by _____ (in person, phone, e-mail, fax, other_____)

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Creek Environmental Laboratories Work Order: 10B0102
Date Printed: 04 March 2010

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Dear Trevor Rebel

Thank you for choosing Creek Environmental Laboratories for your analytical testing needs. This report has been prepared in response to your request for analytical services. Enclosed are the following sections for your complete laboratory report:

Case Narrative
Analytical Results
Quality Control Summary
Chain of Custody
Sample Integrity Check

Creek Environmental Laboratories certifies that the test results contained in this report meet all requirements of the ELAP Standards for applicable certified analysis under CDPH Environmental Laboratory Accreditation Program (ELAP) Certificate #1958. Any exceptions to applicable standards have been noted in the case narrative. Please visit our web page at www.creeklabs.com for additional certification information. This report shall not be reproduced, except in full, without written permission from Creek Environmental Laboratories.

If you have any questions regarding any portion of this report, please feel free to contact Judy Wensloff or Michael Ng at (805) 545-9838 (judy@creeklabs.com or mike@creeklabs.com).

Michael Ng
Lab Director

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order:	10B0102
Project:	Storm Water
Project Number:	[none]
Received:	02/24/10
Printed:	03/04/10

CASE NARRATIVE

The following samples were submitted by Diablo Canyon Power Plant :

2010-006-2 10B0102-01

The samples were received intact with no sampling anomaly.

All samples were prepared and analyzed within holding times. All analytical parameters were within quality control limits and there was no analytical anomaly.

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order:	10B0102
Project:	Storm Water
Project Number:	[none]
Received:	02/24/10
Printed:	03/04/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-006-2 (10B0102-01)	**Trevor Rebel**	**02/24/10 @ 3:45**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
Metals by EPA 200.8									
Chromium	**0.004**	**0.001**	**1**	**mg/L**	**EPA 200.8**	**02/25/10**	**02/24/10**	**1010022**	
Nickel	**0.003**	**0.001**	**1**	**mg/L**	**EPA 200.8**	**02/25/10**	**02/24/10**	**1010022**	
Lead	**0.002**	**0.001**	**1**	**mg/L**	**EPA 200.8**	**02/25/10**	**02/24/10**	**1010022**	

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0102
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/04/10

QUALITY CONTROL SUMMARY

Metals by EPA 200.8

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1010022 - EPA 200.8										
Blank (1010022-BLK1)				**Batch: 1010022**						
Chromium	ND	0.001	mg/L							
Lead	ND	0.001	mg/L							
Nickel	ND	0.001	mg/L							
LCS (1010022-BS1)				**Batch: 1010022**						
Chromium	0.12	0.001	mg/L	0.125		98	85-115			
Lead	0.127	0.001	mg/L	0.125		101	85-115			
Nickel	0.12	0.001	mg/L	0.125		96	85-115			
Matrix Spike (1010022-MS1)	**Source: 10B0102-01**			**Batch: 1010022**						
Chromium	0.12	0.001	mg/L	0.125	0.004	93	70-130			
Lead	0.127	0.001	mg/L	0.125	0.002	100	70-130			
Nickel	0.12	0.001	mg/L	0.125	0.003	92	70-130			
Matrix Spike Dup (1010022-MSD1)	**Source: 10B0102-01**			**Batch: 1010022**						
Chromium	0.12	0.001	mg/L	0.125	0.004	93	70-130	0.1	20	
Lead	0.126	0.001	mg/L	0.125	0.002	99	70-130	0.9	20	
Nickel	0.12	0.001	mg/L	0.125	0.003	92	70-130	0.9	20	

DEFINITIONS

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
LOQ	Limit of Quantitation
RPD	Relative Percent Difference

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # 1083102

• Please Print in Pen ☐ DW EDT ☐ LUFT EDF ☐ Custom EDD

Client Name DCDP	**Contact** TREBEL	**Phone** 545-3607	**Due Date:** 24Hr 48Hr Other Normal TAT
Address 9 MILES NIN **City** AVILA BEACH **State** **Zip** 93424		**Fax** 545-3459	**Cell Beeper** 441 5435
Project Name/Number		PO#	Copies To:
Bill to: (if different from above)	Address	City	State Zip
Sampler Name (Print) TREVOR REBEL	Comments: STORM WATER #2		**Matrix Key:** DW = Drinking Water AQ = Aqueous SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2010-006-2	2-24-10 0345	Cr, Ni, Pb	AQ	1	P/HNO3/250	01

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
	TREVOR REBEL	PCJF	2-24-10 1354			
			2-24-10 1354			Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: Client/ Lab/ Courier: Sample Conditions: **Temp:** 1.8 : 3 Intact: Y/N Custody Sealed: Y/N

REMARKS

SAMPLE INTEGRITY CHECK

Order # 1080102

Date Received: 2-24-10 Labeled By: JN Checked By: KEW

COOLER CHECK

Cooler Type: ☒ Ice Chest ☐ Box ☐ None ☐ Exterior Fridge # ☐ Other _____

Number of Cooler(s): _____ Cooler packing OK? ☒ Yes ☐ No Explain _____

Temperature(s): 18-3 °C Cooled by: ☐ Wet Ice ☐ Blue Ice ☒ None

☒ Sampled same day: Has chilling process begun? ☐ Yes ☒ No ☒ Chilled to touch ☐ Ambient ☐ Frozen

☐ Sampled previously: Temperature ≤ 6°C? ☐ Yes ☐ No

☐ Bacti samples: Temperature ≤ 10°C? ☐ Yes ☐ No

Comment _____

CHAIN-OF-CUSTODY CHECK

☐ COC was not received

COC Information Check: ☒ Client Name ☒ Client Address ☒ Client Phone/Fax Number

☐ Project Name ☒ Sampler Name ☒ Sample Description

☒ Date & Time Sampled ☒ Analysis requested ☒ Matrix

Holding Time Check: ☒ No HT issue ☒ < 72 hr left in HT ☐ HT expired upon receipt

Analysis affected: ☐ pH ☐ DO ☐ Chlorine ☐ Other _____

Rush TAT requested? ☒ No ☐ Yes ☐ Lab Manager was notified of rush sample(s).

Any special instructions? ☒ No ☐ Yes ☐ Proper lab personnel was notified of special instructions.

Comment _____

BOTTLES CHECK

Did all bottles arrive intact with no leak or anomaly? ☒ Yes ☐ No Comment _____

Did all bottle labels agree with COC? ☒ Yes ☐ No Comment _____

Was sample quantity sufficient for the tests? ☒ Yes ☐ No Comment _____

Were proper containers used for the tests? ☒ Yes ☐ No Comment _____

☐ VOA vials received: ☐ No bubbles > 5 mm ☐ w/ HCl ☐ w/ Ascorbic acid ☐ TOC Other _____

Were proper preservatives used for the tests? ☒ Yes ☐ No Comment _____

☒ pH checked (except VOA) ☒ pH < 2 ☐ pH > 12 ☐ Other Comment _____

☐ Chlorine checked (except VOA and Bacti) ☐ Neg. ☐ Pos. Comment _____

☐ Sulfide checked (Cyanide only) ☐ Neg. ☐ Pos. ☐ Analyst was notified of presence of sulfide.

☐ Preserved in lab: Sample ID: _____ Preservation: _____ Init _____ Date/Time _____

☐ Filtered in lab Sample ID: _____ Test(s): _____ Init _____ Date/Time _____

☐ Sample split/composited in lab Sample ID: _____ New ID: _____

☐ Test(s) to sub _____ Subcontract Lab _____

☐ Project Manager was notified of discrepancies.

Comment _____

Reject the samples or obtain client authorization to proceed if any of the following problems exists:

(Circle all applicable conditions.)

#1 Sample integrity has been compromised due to temperature outside of acceptable limits.

#2 Sample integrity has been compromised due to improper bottles/preservatives.

#3 Sample integrity has been compromised due to breakage or loss.

#4 Sample holding time has expired upon receipt or there is insufficient time to meet holding time.

#5 Sample identification cannot be ascertained or analytical request is unclear.

#6 Laboratory does not have the capability or capacity to fulfill the analytical request.

#7 Other problems: Explain:

☐ Samples not accepted. Comment: Initials _____ Date/Time _____

☐ Authorized to proceed by _____ (in person, phone, e-mail, fax, other _____)

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Creek Environmental Laboratories Work Order: 10B0105
Date Printed: 11 March 2010

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Dear Trevor Rebel

Thank you for choosing Creek Environmental Laboratories for your analytical testing needs. This report has been prepared in response to your request for analytical services. Enclosed are the following sections for your complete laboratory report:

Case Narrative
Analytical Results
Quality Control Summary
Chain of Custody
Sample Integrity Check

Creek Environmental Laboratories certifies that the test results contained in this report meet all requirements of the ELAP Standards for applicable certified analysis under CDPH Environmental Laboratory Accreditation Program (ELAP) Certificate #1958. Any exceptions to applicable standards have been noted in the case narrative. Please visit our web page at www.creeklabs.com for additional certification information.

If you have any questions regarding any portion of this report, please feel free to contact Judy Wensloff or Michael Ng at (805) 545-9838 (judy@creeklabs.com or mike@creeklabs.com).

Michael Ng
Lab Director

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order:	10B0105
Project:	Storm Water
Project Number:	[none]
Received:	02/24/10
Printed:	03/11/10

CASE NARRATIVE

The following samples were submitted by Diablo Canyon Power Plant :

2010-RANGE-2 10B0105-01

The samples were received intact with no sampling anomaly.

All samples were prepared and analyzed within holding times. All analytical parameters were within quality control limits and there was no analytical anomaly.

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0105
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/11/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-RANGE-2 (10B0105-01)	**Trevor Rebel**	**02/24/10 @ 5:40**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
General Chemistry									
Specific Conductance (EC)	**114**	**1**	**1**	**umhos/cm**	**SM 2510B**	**02/24/10**	**02/24/10**	**1010053**	
Total Oil & Grease	ND	5	1	mg/L	EPA 1664A	02/25/10	02/25/10	1009064	
pH	**8.2**	**0.1**	**1**	**pH Units**	**SM 4500-H,B**	**02/24/10**	**02/24/10**	**1010053**	
Total Organic Carbon	**11.0**	**1.0**	**5**	**mg/L**	**SM 5310B**	**03/04/10**	**03/04/10**	**1011030**	
Total Suspended Solids	**28**	**5**	**1**	**mg/L**	**SM 2540D**	**03/02/10**	**03/02/10**	**1010025**	
Metals by EPA 200.7									
Iron	**1.33**	**0.02**	**1**	**mg/L**	**EPA 200.7**	**02/25/10**	**02/24/10**	**1010004**	

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0105
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/11/10

QUALITY CONTROL SUMMARY

General Chemistry

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1009064 - Default Prep GenChem										
Blank (1009064-BLK1)				**Batch: 1009064**						
Total Oil & Grease	ND	5	mg/L							
LCS (1009064-BS1)				**Batch: 1009064**						
Total Oil & Grease	34.0	5	mg/L	40.0		85	78-114			
LCS Dup (1009064-BSD1)				**Batch: 1009064**						
Total Oil & Grease	31.9	5	mg/L	40.0		80	78-114	6	25	
Matrix Spike (1009064-MS1)	**Source: 10B0017-03**			**Batch: 1009064**						
Total Oil & Grease	29.4	5	mg/L	40.0	0.0	74	40-160			
Matrix Spike Dup (1009064-MSD1)	**Source: 10B0017-03**			**Batch: 1009064**						
Total Oil & Grease	32.8	5	mg/L	40.0	0.0	82	40-160	11	30	
Batch 1010025 - NO PREP										
Blank (1010025-BLK1)				**Batch: 1010025**						
Total Suspended Solids	ND	5	mg/L							
Duplicate (1010025-DUP1)	**Source: 10C0002-01**			**Batch: 1010025**						
Total Suspended Solids	29	5	mg/L		28			5	30	
Batch 1010053 - NO PREP										
Blank (1010053-BLK1)				**Batch: 1010053**						
pH	ND	0.1	pH Units							
Specific Conductance (EC)	ND	1	umhos/cm							
LCS (1010053-BS1)				**Batch: 1010053**						
pH	7.0	0.1	pH Units	7.00		101	90-110			
Specific Conductance (EC)	698	1	umhos/cm	706		99	80-120			
Duplicate (1010053-DUP1)	**Source: 10B0101-02**			**Batch: 1010053**						
pH	7.2	0.1	pH Units		7.3			2	10	
Specific Conductance (EC)	183	1	umhos/cm		181			1	20	

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0105
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/11/10

QUALITY CONTROL SUMMARY

General Chemistry

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1011030 - NO PREP										
Blank (1011030-BLK1)				**Batch: 1011030**						
Total Organic Carbon	ND	0.2	mg/L							
LCS (1011030-BS1)				**Batch: 1011030**						
Total Organic Carbon	2.5	0.2	mg/L	2.50		100	80-120			

CREEK ENVIRONMENTAL LABORATORIES, INC.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0105
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/11/10

QUALITY CONTROL SUMMARY

Metals by EPA 200.7

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1010004 - EPA 200.7										
Blank (1010004-BLK1)				**Batch: 1010004**						
Iron	ND	0.02	mg/L							
LCS (1010004-BS1)				**Batch: 1010004**						
Iron	1.98	0.02	mg/L	2.00		99	85-115			
Matrix Spike (1010004-MS1)	**Source: 10B0101-06**			**Batch: 1010004**						
Iron	2.47	0.02	mg/L	2.00	0.52	98	75-125			
Matrix Spike Dup (1010004-MSD1)	**Source: 10B0101-06**			**Batch: 1010004**						
Iron	2.51	0.02	mg/L	2.00	0.52	100	75-125	2	20	

DEFINITIONS

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
LOQ	Limit of Quantitation
RPD	Relative Percent Difference

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # 1030105

• Please Print in Pen ☐ DW EDT ☐ LUFT EDF ☐ Custom EDD

Client Name	Contact	Phone	Due Date:
DCPP	T. REBEL	545-3607	24Hr 48Hr Other Normal TAT
Address	**City**	**State**	**Zip**	Fax	Cell / Beeper
9 MILES NW	AVILA BEACH		93424	545-3459	441-5435
Project Name/Number			PO#	Copies To:
Bill to: (if different from above)	Address	City	State	Zip
Sampler Name (Print)	Comments:	**Matrix Key:** DW = Drinking Water AQ = Aqueous SL = Soil/Solid
TREVOR REBEL	STORM WATER #2	

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2010-RANGE-2	2-24-10 0540	STORM WATER, Fe, 410	AQ	5	P/UNP/GT A P/HNO3/250G AG/H2SO4/1L C VOA/HCL/40ML	01

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
	TREVOR REBEL	PG&E	2-24-10 1356			
			2.24.10 1357		Tina Hansen	Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: Client/ Lab/ Courier; Sample Conditions: Temp: 18.3 Intact Y/N Custody Sealed Y/ N

REMARKS

SAMPLE INTEGRITY CHECK

Order # 1030105

Date Received: 2-24-10 Labeled By: JDN Checked By: KEW

COOLER CHECK

Cooler Type: ☒ Ice Chest ☐ Box ☐ None ☐ Exterior Fridge # ☐ Other _____

Number of Cooler(s): _____ Cooler packing OK? ☒ Yes ☐ No Explain _____

Temperature(s): 18.3 °C Cooled by: ☐ Wet Ice ☐ Blue Ice ☒ None

☒ Sampled same day: Has chilling process begun? ☐ Yes ☒ No ☒ Chilled to touch ☐ Ambient ☐ Frozen

☐ Sampled previously: Temperature ≤ 6°C? ☐ Yes ☐ No

☐ Bacti samples: Temperature ≤ 10°C? ☐ Yes ☐ No

Comment _____

CHAIN-OF-CUSTODY CHECK

☐ COC was not received

COC Information Check: ☒ Client Name ☒ Client Address ☒ Client Phone/Fax Number

☐ Project Name ☒ Sampler Name ☒ Sample Description

☒ Date & Time Sampled ☒ Analysis requested ☒ Matrix

Holding Time Check: ☐ No HT issue ☒ < 72 hr left in HT ☒ HT expired upon receipt

Analysis affected: ☐ pH ☐ DO ☐ Chlorine ☐ Other _____

Rush TAT requested? ☒ No ☐ Yes ☐ Lab Manager was notified of rush sample(s).

Any special instructions? ☒ No ☐ Yes ☐ Proper lab personnel was notified of special instructions.

Comment _____

BOTTLES CHECK

Did all bottles arrive intact with no leak or anomaly? ☒ Yes ☐ No Comment _____

Did all bottle labels agree with COC? ☒ Yes ☐ No Comment _____

Was sample quantity sufficient for the tests? ☒ Yes ☐ No Comment _____

Were proper containers used for the tests? ☒ Yes ☐ No Comment _____

☐ VOA vials received: ☐ No bubbles > 5 mm ☐ w/ HCl ☐ w/ Ascorbic acid ☐ TOC Other _____

Were proper preservatives used for the tests? ☒ Yes ☐ No Comment _____

☒ pH checked (except VOA) ☐ pH < 2 ☐ pH ≥ 12 ☐ Other Comment _____

☐ Chlorine checked (except VOA and Bacti) ☐ Neg. ☐ Pos. Comment _____

☐ *Sulfide checked (Cyanide only)* ☐ *Neg.* ☐ *Pos.* ☐ *Analyst was notified of presence of sulfide.*

☐ Preserved in lab: Sample ID: _____ Preservation: _____ Init _____ Date/Time _____

☐ Filtered in lab Sample ID: _____ Test(s): _____ Init _____ Date/Time _____

☐ *Sample split/composited in lab* *Sample ID:* _____ New ID: _____

☐ Test(s) to sub _____ Subcontract Lab _____

☐ Project Manager was notified of discrepancies.

Comment _____

Reject the samples or obtain client authorization to proceed if any of the following problems exists:

(Circle all applicable conditions.)

#1 Sample integrity has been compromised due to temperature outside of acceptable limits.

#2 Sample integrity has been compromised due to improper bottles/preservatives.

#3 Sample integrity has been compromised due to breakage or loss.

#4 Sample holding time has expired upon receipt or there is insufficient time to meet holding time.

#5 Sample identification cannot be ascertained or analytical request is unclear.

#6 Laboratory does not have the capability or capacity to fulfill the analytical request.

#7 Other problems. Explain:

☐ *Samples not accepted. Comment:* Initials _____ Date/Time _____

☐ Authorized to proceed by _____ (in person, phone, e-mail, fax, other_____)

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Creek Environmental Laboratories Work Order: 10B0103
Date Printed: 04 March 2010

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Dear Trevor Rebel

Thank you for choosing Creek Environmental Laboratories for your analytical testing needs. This report has been prepared in response to your request for analytical services. Enclosed are the following sections for your complete laboratory report:

Case Narrative
Analytical Results
Quality Control Summary
Chain of Custody
Sample Integrity Check

Creek Environmental Laboratories certifies that the test results contained in this report meet all requirements of the ELAP Standards for applicable certified analysis under CDPH Environmental Laboratory Accreditation Program (ELAP) Certificate #1958. Any exceptions to applicable standards have been noted in the case narrative. Please visit our web page at www.creeklabs.com for additional certification information. This report shall not be reproduced, except in full, without written permission from Creek Environmental Laboratories.

If you have any questions regarding any portion of this report, please feel free to contact Judy Wensloff or Michael Ng at (805) 545-9838 (judy@creeklabs.com or mike@creeklabs.com).

Michael Ng
Lab Director

CREEK ENVIRONMENTAL LABORATORIES, INC.

141 SUBURBAN ROAD, SUITE C-1 | SAN LUIS OBISPO, CA 93401 | (805) 545-9838 | FAX (805) 545-0107

Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order:	10B0103
Project:	Storm Water
Project Number:	[none]
Received:	02/24/10
Printed:	03/04/10

CASE NARRATIVE

The following samples were submitted by Diablo Canyon Power Plant :

2010-Range-2 10B0103-01

The samples were received intact with no sampling anomaly.

All samples were prepared and analyzed within holding times. All analytical parameters were within quality control limits and there was no analytical anomaly.

CREEK ENVIRONMENTAL LABORATORIES, INC.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0103
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/04/10

ANALYTICAL RESULTS

Sample Description:	Sampled By:	Sampled:	Matrix:
2010-Range-2 (10B0103-01)	**Trevor Rebel**	**02/24/10 @ 5:40**	**Aqueous**

Analyte	Result	LOQ	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch	Notes
Metals by EPA 200.8									
Lead	**0.158**	**0.001**	**1**	**mg/L**	**EPA 200.8**	**02/25/10**	**02/24/10**	**1010022**	

CREEK ENVIRONMENTAL LABORATORIES, INC.

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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Work Order: 10B0103
Project: Storm Water
Project Number: [none]
Received: 02/24/10
Printed: 03/04/10

QUALITY CONTROL SUMMARY

Metals by EPA 200.8

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1010022 - EPA 200.8										
Blank (1010022-BLK1)				**Batch: 1010022**						
Lead	ND	0.001	mg/L							
LCS (1010022-BS1)				**Batch: 1010022**						
Lead	0.127	0.001	mg/L	0.125		101	85-115			
Matrix Spike (1010022-MS1)	**Source: 10B0102-01**			**Batch: 1010022**						
Lead	0.127	0.001	mg/L	0.125	0.002	100	70-130			
Matrix Spike Dup (1010022-MSD1)	**Source: 10B0102-01**			**Batch: 1010022**						
Lead	0.126	0.001	mg/L	0.125	0.002	99	70-130	0.9	20	

DEFINITIONS

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
LOQ	Limit of Quantitation
RPD	Relative Percent Difference

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # 10B0103

- Please Print in Pen

☐ DW EDT ☐ LUFT EDF ☐ Custom EDD

Client Name DCPP	**Contact** T. REBEL	**Phone** 545-3607	**Due Date:** 24Hr 48Hr Other Normal TAT
Address 9 MILES NW **City** AVILA BEACH **State** **Zip** 93424		**Fax** 545-3459	Cell Beeper 441-5435
Project Name/Number		PO#	Copies To:
Bill to: (if different from above)	Address	City	State Zip
Sampler Name (Print) TREVOR REBEL	Comments: STORM WATER SET #2		**Matrix Key:** DW = Drinking Water AQ = Aqueous SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
2010 - RANGE-2	2-24-10 0540	Pb	AQ	1	HNO3/250	01

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
	TREVOR REBEL	PCI, E	2-24-10 1355			
			2-24-10 1355		T Newgrosen	Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: Client/ Lab/ Courier: Sample Conditions: **Temp:** 19 Intact: Y/N Custody Sealed: Y/N

REMARKS

SAMPLE INTEGRITY CHECK

Order # 1DB0103

Date Received: 2-24-10 Labeled By: TA Checked By: VEW

COOLER CHECK

Cooler Type: (☒) Ice Chest ☐ Box ☐ None ☐ Exterior Fridge # ☐ Other _____

Number of Cooler(s): _____ Cooler packing OK? (☒) Yes ☐ No Explain _____

Temperature(s): 19.1 °C Cooled by: ☐ Wet Ice ☐ Blue Ice (☒) None

(☒) Sampled same day: Has chilling process begun? ☐ Yes (☒) No (☒) Chilled to touch ☐ Ambient ☐ Frozen

☐ Sampled previously: Temperature ≤ 6°C? ☐ Yes ☐ No

☐ Bacti samples: Temperature ≤ 10°C? ☐ Yes ☐ No

Comment _____

CHAIN-OF-CUSTODY CHECK

☐ COC was not received

COC Information Check: (☒) Client Name (☒) Client Address (☒) Client Phone/Fax Number

☐ Project Name (☒) Sampler Name (☒) Sample Description

(☒) Date & Time Sampled (☒) Analysis requested (☒) Matrix

Holding Time Check: ☐ No HT issue (☒) < 72 hr left in HT ☐ HT expired upon receipt

Analysis affected: ☐ pH ☐ DO ☐ Chlorine ☐ Other _____

Rush TAT requested? (☒) No ☐ Yes ☐ Lab Manager was notified of rush sample(s).

Any special instructions? (☒) No ☐ Yes ☐ Proper lab personnel was notified of special instructions.

Comment _____

BOTTLES CHECK

Did all bottles arrive intact with no leak or anomaly? (☒) Yes ☐ No Comment _____

Did all bottle labels agree with COC? (☒) Yes ☐ No Comment _____

Was sample quantity sufficient for the tests? (☒) Yes ☐ No Comment _____

Were proper containers used for the tests? (☒) Yes ☐ No Comment _____

☐ VOA vials received: ☐ No bubbles > 5 mm ☐ w/ HCl ☐ w/ Ascorbic acid ☐ TOC Other _____

Were proper preservatives used for the tests? (☒) Yes ☐ No Comment _____

(☒) pH checked (except VOA) ☐ pH < 2 ☐ pH > 12 (☒) Other Comment 7 4

☐ Chlorine checked (except VOA and Bacti) ☐ Neg. ☐ Pos. Comment _____

☐ Sulfide checked (Cyanide only) ☐ Neg. ☐ Pos. ☐ Analyst was notified of presence of sulfide.

(☒) Preserved in lab: Sample ID: 01 Preservation: HNO3 Init JN Date/Time 2-24-10 1520

☐ Filtered in lab Sample ID: _____ Test(s): _____ Init _____ Date/Time _____

☐ Sample split/composited in lab Sample ID: _____ New ID: _____

☐ Test(s) to sub _____ Subcontract Lab _____

☐ Project Manager was notified of discrepancies.

Comment PH ≤ 2 after preservation JN 2-24-10

Reject the samples or obtain client authorization to proceed if any of the following problems exists:

(Circle all applicable conditions.)

#1 Sample integrity has been compromised due to temperature outside of acceptable limits.

#2 Sample integrity has been compromised due to improper bottles/preservatives.

#3 Sample integrity has been compromised due to breakage or loss.

#4 Sample holding time has expired upon receipt or there is insufficient time to meet holding time.

#5 Sample identification cannot be ascertained or analytical request is unclear.

#6 Laboratory does not have the capability or capacity to fulfill the analytical request.

#7 Other problems. Explain:

☐ Samples not accepted. Comment: Initials _____ Date/Time _____

☐ Authorized to proceed by _____ (in person, phone, e-mail, fax, other _____)

(Background Samples 5 Pages)

Creek Environmental Laboratories, Inc. Chain-of-Custody

141 Suburban Road, Suite C-5, San Luis Obispo, CA 93401 phone (805) 545-9838 fax (805) 545-0107 www.creeklabs.com sales@creeklabs.com

Order # ~~R0221~~ KW R0721

- Please Print in Pen ☐ DW EDT ☐ LUFT EDF ☐ Custom EDD

Client Name	Contact	Phone	Due Date: 24Hr 48Hr Other Normal TAT
DIABLO CANYON	T. RESER	545-3607	
Address **City** **State** **Zip**		Fax 545-3459	Cell / Beeper
Project Name/Number		PO#	Copies To:
Bill to: (if different from above)	Address	City	State Zip
Sampler Name (Print) TREVOR RESER	Comments: BACKGROUND INVESTIGATION		Matrix Key: DW = Drinking Water AQ = Aqueous SL = Soil/Solid

Sample Description	Date/Time Sampled	Analysis	Matrix	# of Bottles	Preservative / Type Bottles	Creek Lab Sample #
INTAKE SOUTH	2-6-10 0845	STORM WATER + FC	AQ	4	P/UNP/QT A	1883
					P/HNO3/250 B 2VOAS W/HCl C,D	
DIABLO CREEK	2-6-10 0940	STORM WATER + FC	AQ	4	↓	1884
CANYON SOUTH	2-6-10 0915	STORM WATER + FC	AQ	4	↓	1885

RELINQUISHED BY (Sign)	(Print)	(Organization)	DATE/TIME	RECEIVED BY (Sign)	(Print)	(Organization)
	TREVOR RESER	PG&E	2-6-10 1240			
			2-7-10 1240	Cathy Wernsing	Kathy Wansloff	Creek Environmental Laboratories, Inc.

FOR LAB USE ONLY: Shipping Method: Client / Lab / Courier: Sample Conditions: **Temp:** 5.1°C Intact: (Y) N Custody Sealed: Y/ N

REMARKS

CREEK ENVIRONMENTAL LABORATORIES, INC.
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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 10-C1883
Order: R0721
Project: Background Investigation
Received: 02/08/10
Printed: 02/22/10

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
Intake South	Trevor Rebel	02/06/10@08:45	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	1,690	1	1	umhos/cm	SM 2510B	02/08/10		6341
pH	5.3	0.1	1	pH-units	SM-4500-H-B	02/08/10		6341
Total Suspended Solids	675	5	1	mg/L	SM-2540D	02/09/10		6357
Total Organic Carbon	16	4	20	mg/L	SM 5310B	02/19/10		6578
Iron	38	0.02	1	mg/L	EPA 200.7	02/11/10	02/08/10	6430

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

CREEK ENVIRONMENTAL LABORATORIES, INC.
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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 10-C1884
Order: R0721
Project: Background Investigation
Received: 02/08/10
Printed: 02/22/10

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
Diablo Creek	Trevor Rebel	02/06/10@09:40	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	709	1	1	umhos/cm	SM 2510B	02/08/10		6341
pH	8.3	0.1	1	pH-units	SM 4500-H-B	02/08/10		6341
Total Suspended Solids	88	5	1	mg/L	SM 2540D	02/09/10		6357
Total Organic Carbon	8.3	2	10	mg/L	SM 5310B	02/19/10		6578
Iron	1.5	0.02	1	mg/L	EPA 200.7	02/11/10	02/08/10	6430

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

CREEK ENVIRONMENTAL LABORATORIES, INC.
A Minority-owned Business Enterprise
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Trevor Rebel
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Log Number: 10-C1885
Order: R0721
Project: Background Investigation
Received: 02/08/10
Printed: 02/22/10

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
Canyon South	Trevor Rebel	02/06/10@09:15	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Electrical Conductance	212	1	1	umhos/cm	SM 2510B	02/08/10		6341
pH	7.0	0.1	1	pH units	SM 4500-H B	02/08/10		6341
Total Suspended Solids	80	5	1	mg/L	SM 2540D	02/09/10		6357
Total Organic Carbon	20	2	10	mg/L	SM 5310B	02/19/10		6578
Iron	7.9	0.02	1	mg/L	EPA 200.7	02/11/10	02/08/10	6430

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

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A Minority-owned Business Enterprise
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Quality Control Results

Order No.: R0721

Laboratory Reagent Blank

Analyte	Method	Results	Units	Batch
Total Suspended Solids	SM 2540D	< 5	mg/L	6357
Total Organic Carbon	SM 5310B	< 0.2	mg/L	6578
Iron	EPA 200.7	< 0.02	mg/L	6430

Laboratory Known Analysis (LCS)

Analyte	Method	Recovery	Spike Amount	Units	Recovery Limits	Batch
Electrical Conductance	SM 2510B	99%	710	umhos/cm	80 - 120	6341
pH	SM 4500-H B	100%	7.0	pH units	90 - 110	6341
Total Organic Carbon	SM 5310B	90%	1.5	mg/L	70 - 130	6578
Iron	EPA 200.7	94%	2.0	mg/L	75 - 125	6430

Matrix Spike/Matrix Spike Duplicates

Analyte	Method	MS Rec.	MSD Rec.	RPD	Matrix Sample	Spike Amount	Units	Recovery Limits	RPD Limit	Batch
Iron	EPA 200.7	86%	87%	1	10-C1884	2.0	mg/L	75 - 125	20	6430

Sample Duplicate

Analyte	Method	Sample ID	Sample Value	Sample Duplicate	RPD	Units	RPD Limit	Batch
Electrical Conductance	SM 2510B	10-C1885	210	220	1	umhos/cm	20.	6341
pH	SM 4500-H B	10-C1885	7.0	7.0	0	pH units	10.	6341
Total Suspended Solids	SM 2540D	10-C1883	680	600	13	mg/L	30.	6357
Total Organic Carbon	SM 5310B	kv:LCS	1.4	1.4	1	mg/L	20.	6578