Pacific Gas and Electric Company

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

Date: January 19, 2012

Electronic Submission
CIWQS Web Application

PG&E Letter DCL-2012-501

California Regional Water Quality Control Board
Central Coast Region
Attn: Monitoring and Reporting Review Section
895 Aerovista, Suite #101
San Luis Obispo, CA 93401-7906

Dear Mr. Briggs:

In accordance with Order 90-09, NPDES No. CA0003751, the Fourth Quarter 2011 Report on Discharge Monitoring at Diablo Canyon Power Plant is provided. This letter and accompanying report summary has been attached to the CIWQS application data submittal.

Facility Name:	Pacific Gas & Electric Company Diablo Canyon Power Plant
Address:	P.O. Box 56 Avila Beach, CA 93424
Contact Person: **Job Title:** **Phone Number:**	Bryan Cunningham Supervisor, Environmental Operations 545-4439
WDR/NPDES Order Number:	Order No. 90-09, NPDES No. CA0003751
Type of Report: (check one)	**QUARTERLY** ☒ **ANNUAL** ☐
Quarter: (check one):	**1st** ☐ **2nd** ☐ **3rd** ☐ **4th** ☒
Year:	2011 (Annual Reports for **DCPP** are Jan-Dec)
Violation(s) (Place an X by the appropriate choice):	☒ **No** (there are no violations to report) ☐ Yes

IE25
NRR

If Yes is marked (complete a-g):
a) Parameter(s) in Violation:

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

c) Reported Value(s)

d) WDR/NPDES Limit/Condition:

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

f) Explanation of Cause(s):
(attach additional information as needed)
(If "YES", see overview section of attached report)

g) Corrective Action(s):
(attach additional information as needed)
(If "YES", see overview section of attached report)

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

If you have any questions or concerns regarding the report provided, or require additional information, please contact Bryan Cunningham at (805) 545-4439.

Sincerely,

Name: Kenneth W. Cortese
Title: *Manager, Chemistry and Environmental Operations – Diablo Canyon Power Plant*

2012501/jlk/bkc

cc: PDF Formatted Copy of CIWQS Application Submittal:

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

Hardcopy Print-Out of CIWQS Application Submittal:

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

PACIFIC GAS AND ELECTRIC COMPANY

Fourth Quarter 2011

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

TABLE OF CONTENTS

OVERVIEW

1. During the fourth quarter of 2011, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001L, 001M, 001N, 001P, 002 through 015. No discharges occurred from Discharge Paths 001I, 001J, 001K, 16 and 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1**.

2. The substances listed in Table B of the 1990 California Ocean Plan were each analyzed for and reported in the permit renewal application for Diablo Canyon submitted in 1994. There have been no changes in the activities conducted at the plant that would have significantly affected the results previously reported in the 1994 renewal application. California Ocean Plan Table B substances that were not analyzed for this quarter were not added to the discharge stream.

3. During the fourth quarter of 2011, maintenance activities that required draining of closed cooling water systems were performed and are summarized below. PG&E received concurrence from the CCRWQCB in response to letters dated July 19, 1995 (PG&E Letter DCL-95-156), May 23, 1996 (PG&E Letter DCL-96-522), and May 19, 1997 (PG&E Letter DCL-97-533) regarding the use of glutaraldehyde and isothiazolin to control microbiological growth and corrosion in DCPP's closed cooling water systems. Discharges are drained at a flow rate such that the chronic toxicity level remains below the "No Observable Effect Concentration" (NOEC) at NPDES Discharge 001.

Date	System	Volume (gallons)	Glutaraldehyde (mg/l)	Isothiazolin (mg/l as Cl^-)	Total Suspended Solids (mg/l)	Oil & Grease (mg/l)
10/11/11	Unit 2 SCW	28,400	6.1	3.7	< 2.0	< 1.4
11/28/11	Unit 2 SCW	500	< 50	0.6	n/a	n/a
11/28/11	Unit 2 SCW	10	< 50	0.6	n/a	n/a
12/18/11	Unit 2 SCW	10	84	2.5	n/a	n/a
12/20/11	Unit 1 ICW	3,306	80	6.4	n/a	n/a
12/26/11	Unit 1 SCW	10	117	5.0	n/a	n/a
12/27/11	Unit 2 ICW	3,514	117	6.5	n/a	n/a

4. On December 13, 2011 the Unit 2 turbine building sump overflowed directly to the seawater once-through cooling system for approximately 5-minutes. This was an unexpected bypass of the normal 001F discharge path caused by an equipment failure. A pressure relief valve lifted on a regeneration water pump in the Unit 2 secondary condensate polisher buttress resulting in a rapid influx of relatively clean condensate system water into the turbine building sump. The estimated volume of water released directly overboard was a maximum of 600 gallons. Regional Staff were notified of the pathway 001F bypass event at 15:20 on 12/13/11, within the required 24-hour period. A sample of the sump contents was analyzed for total suspended solids (TSS) and oil and grease (O&G). The analytical result for TSS was 51.8 mg/l, below the daily maximum limit of 100 mg/l. The analytical result for O&G was 8.3 mg/L, also below the daily maximum limit of 20 mg/L. Therefore, no pathway discharge permit constituent concentration exceedences occurred due to this event.

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the October, November, and December 2011 plant influent and effluent monitoring have been reported via the CIWQS web application to which this letter is attached.

2. The laboratory report for one acute bioassay on water sampled from Discharge 001, performed December 02-06, 2011, is attached to the CIWQS application submittal. The acute bioassay results show that toxicity was 0.0 TUa (no acute toxicity).

   Note: The 0.0 TUa value is not included in the CIWQS application spreadsheet as the formatting of the data spreadsheet does not accommodate zero value entries.

3. The laboratory report for one chronic bioassay on water sampled from Discharge 001, performed December 07-09, 2011, is attached to the CIWQS application submittal. Sufficient gravid brood stock of red abalone (*Haliotis rufescens*) was unavailable throughout the fourth quarter. Therefore, the facility was unable to complete a red abalone 48-hour larval development chronic bioassay at an appropriately certified analytical laboratory. On December 07, 2011 Regional Staff (von Langen) was contacted via telephone regarding permission to implement chronic toxicity testing using an alternative test method. Verbal permission was conditionally granted, and a larval development test was subsequently completed using marine mussels (*Mytilus sp.*). The laboratory bioassay results from the alternate test determined that chronic toxicity was 1.0 TUc (no chronic toxicity).

   At the request of Regional Staff, and due to frequent and increasingly common difficulties completing chronic bioassay testing in a timely manner using red abalone (*Haliotis rufescens*), DCPP submitted a letter to the RWQCB outlining ongoing conditional use of alternate chronic toxicity test species/methods. Reference PG&E Letter DCL-2011-555 dated December 21, 2011 to the Central Coast RWQCB.

B. Monitoring of Receiving Waters

1. Ecological Studies at Diablo Canyon

   Ecological studies in the vicinity of Diablo Cove conducted during the fourth quarter continued under the Diablo Canyon Receiving Water Monitoring Program (RWMP) as requested in a letter from the Central Coast Regional Water Quality Control Board (CCRWQCB) dated December 9, 1998, and as detailed in a letter (PG&E Letter DCL-99-503) dated January 8, 1999. This program includes tasks from the Ecological Monitoring Program (EMP) with additional stations and increased sampling frequencies. The RWMP replaces the EMP and the Thermal Effects Monitoring Program (TEMP).

2. In Situ Bioassay

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

C. Sodium Bromide Treatment Program

Diablo Canyon Power Plant is continuing the use of generic sodium bromide and sodium hypochlorite to control macrofouling growth for both Units. Both circulating water conduits of each Unit can be chemically treated simultaneously. Each treated conduit typically receives a twenty-minute injection every four hours (six injections a day) of sodium bromide in combination with sodium hypochlorite.

Each chemical injection treatment attempts to achieve a target concentration of 200 parts per billion (ppb) Total Residual Oxidant (TRO) when measured at the inlet waterbox of the condenser. Discharge TRO, measured at the plant outfall, remained below NPDES limitations throughout the quarter.

Both conduits of Unit 1 were treated with simultaneous injections of sodium bromide and sodium hypochlorite six times a day throughout the fourth quarter of 2011 with one brief interruption in December on the 1-2 Conduit due to an equipment failure.

Both conduits of Unit 2 were treated with simultaneous injections of sodium bromide and sodium hypochlorite six times a day throughout the fourth quarter of 2011 with one brief interruption in December on the 2-2 Conduit due to an equipment failure.

APPENDIX 1

DIABLO CANYON POWER PLANT

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

CIWQS Web Application Submittal Print Out and Attached Supporting Documents

eSMR PDF Report
Summary: Quarterly SMR (MONNPDES) report for Q4 2011

Summary: Quarterly SMR (MONNPDES) report for Q4 2011 submitted by Jeffrey Gardner(Engineering supervisor) on 01/19/2012.

Facility Name: PG&E DIABLO CANYON POWER PLANT **Order Number:** R3-1990-0009
Waterboard Office: Region 3 - Central Coast **Case Worker:** Peter von Langen, John Biegel
Report Effective Dates: 10/01/2011 - 12/31/2011

No Discharge Periods

Name	Description	Dates	Comment
Diablo M-001			
Diablo M-001D			
Diablo M-001F			
Diablo M-001G			
Diablo M-001H			
Diablo M-001I		10/01/2011 - 12/31/2011	
Diablo M-001J		10/01/2011 - 12/31/2011	
Diablo M-001K		10/01/2011 - 12/31/2011	
Diablo M-001L			
Diablo M-001M			
Diablo M-001N			
Diablo M-001P			
Diablo M-002			
Diablo M-003			
Diablo M-004			
Diablo M-005			
Diablo M-008			
Diablo M-009			
Diablo M-013			
Diablo M-015			
Diablo M-016		10/01/2011 - 12/31/2011	
Diablo M-017		10/01/2011 - 12/31/2011	
Diablo M-INF			

Self-Determined Violations

Violation Type	Description	Corrective Action	Occurrence Date

No Violations Entered

Attachments

File Name	File Description	Upload Date
Attachment 1 - 2011 4th Qtr DCPP NPDES Worksheets.pdf		01/19/2012
Attachment 2 - 2011 4th Qtr DCPP NPDES Vendor Data.pdf		01/19/2012

Cover Letter (Uploaded File)

Title	Date Uploaded	File Size
PGE DCL2012501 4th-Q 2011 DSMR Summary.pdf	2012-01-19 10:15:59.0	741899 bytes

Data Summary

Analytical Results

Location	Parameter	Anal. Method	Sample Date/Time	Analysis Date	Qualifier	Result	Units	Method Detection Limit	Minimum Level	Reporting Limit	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Ammonia, Total (as N)	E350.1 : Nitrogen, Ammonia (as N)	10/12/2011: 09:54:00	10/18/2011	ND		mg/L	.05			No		Results included in Vendor Laboratory Data	CDF_Analytical_Calculated_01

														zip
M-001	Arsenic, Total	E200.8 : Inductively Coupled Plasma/Mass Spectroscopy	10/31/2011: 09:44:00	11/22/2011	=	1.51	ug/L				No		See Vendor data report	CDF_Analytical_Calculated_01 1920 zip
M-001	Cadmium, Total	E200.8 : Inductively Coupled Plasma/Mass Spectroscopy	10/31/2011: 09:44:00	11/22/2011	=	0.044	ug/L				No		See Vendor data report	CDF_Analytical_Calculated_01 1920 zip
M-001	Chromium (Total)	DU : Data Unavailable	11/02/2011: 09:55:00	11/16/2011	DNQ	6	ug/L	5		10	No			CDF_Analytical_Calculated_01 1920 zip
M-001	Chromium (Total)	DU : Data Unavailable	10/12/2011: 08:25:00	10/25/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01 1920 zip
M-001	Chromium (Total)	DU : Data Unavailable	12/05/2011: 11:03:00	12/08/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01 1920 zip
M-001	Chronic Toxicity	DU : Data Unavailable	12/06/2011: 08:00:00	12/07/2011	=	1	TUc				No		Results included in Vendor Laboratory Data	CDF_Analytical_Calculated_01 1920 zip
M-001	Copper, Total	DU : Data Unavailable	10/12/2011: 08:25:00	10/25/2011	DNQ	6	ug/L	5		10	No			CDF_Analytical_Calculated_01 1920 zip
M-001	Copper, Total	DU : Data Unavailable	11/02/2011: 09:55:00	11/16/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01 1920 zip
M-001	Copper, Total	DU : Data Unavailable	12/05/2011: 11:03:00	12/08/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01 1920 zip
M-001	Cyanide, Total (as CN)	E335.4 : Total Cyanide by Semi-automated Colorimetry	10/31/2011: 09:44:00	11/03/2011	ND		ug/L	3			No		See Vendor data report	CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/01/2011: 00:00:00	10/01/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/02/2011: 00:00:00	10/02/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/03/2011: 00:00:00	10/03/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/04/2011: 00:00:00	10/04/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/05/2011: 00:00:00	10/05/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/06/2011: 00:00:00	10/06/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/07/2011: 00:00:00	10/07/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/08/2011: 00:00:00	10/08/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	10/09/2011: 00:00:00	10/09/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data	10/10/2011:	10/10/2011	=	2027	MGD				No			CDF_Analytic

		Unavailable	00:00:00											al_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/11/2011: 00:00:00	10/11/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/12/2011: 00:00:00	10/12/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/13/2011: 00:00:00	10/13/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/14/2011: 00:00:00	10/14/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/15/2011: 00:00:00	10/15/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/16/2011: 00:00:00	10/16/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/17/2011: 00:00:00	10/17/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/18/2011: 00:00:00	10/18/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/19/2011: 00:00:00	10/19/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/20/2011: 00:00:00	10/20/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/21/2011: 00:00:00	10/21/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/22/2011: 00:00:00	10/22/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/23/2011: 00:00:00	10/23/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/24/2011: 00:00:00	10/24/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/25/2011: 00:00:00	10/25/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/26/2011: 00:00:00	10/26/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/27/2011: 00:00:00	10/27/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/28/2011: 00:00:00	10/28/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/29/2011: 00:00:00	10/29/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/30/2011: 00:00:00	10/30/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_zip
M-001	Flow	DU : Data Unavailable	10/31/2011: 00:00:00	10/31/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920_

														zip
M-001	Flow	DU : Data Unavailable	11/01/2011: 00:00:00	11/01/2011	=	2188	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/02/2011: 00:00:00	11/02/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/03/2011: 00:00:00	11/03/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/04/2011: 00:00:00	11/04/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/05/2011: 00:00:00	11/05/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/06/2011: 00:00:00	11/06/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/07/2011: 00:00:00	11/07/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/08/2011: 00:00:00	11/08/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/09/2011: 00:00:00	11/09/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/10/2011: 00:00:00	11/10/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/11/2011: 00:00:00	11/11/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/12/2011: 00:00:00	11/12/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/13/2011: 00:00:00	11/13/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/14/2011: 00:00:00	11/14/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/15/2011: 00:00:00	11/15/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/16/2011: 00:00:00	11/16/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/17/2011: 00:00:00	11/17/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/18/2011: 00:00:00	11/18/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/19/2011: 00:00:00	11/19/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/20/2011: 00:00:00	11/20/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	11/21/2011: 00:00:00	11/21/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01 1920 zip

M-001	Flow	DU : Data Unavailable	11/22/2011: 00:00:00	11/22/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	11/23/2011: 00:00:00	11/23/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	11/24/2011: 00:00:00	11/24/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	11/25/2011: 00:00:00	11/25/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	11/26/2011: 00:00:00	11/26/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	11/27/2011: 00:00:00	11/27/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	11/28/2011: 00:00:00	11/28/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	11/29/2011: 00:00:00	11/29/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	11/30/2011: 00:00:00	11/30/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/01/2011: 00:00:00	12/01/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/02/2011: 00:00:00	12/02/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/03/2011: 00:00:00	12/03/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/04/2011: 00:00:00	12/04/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/05/2011: 00:00:00	12/05/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/06/2011: 00:00:00	12/06/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/07/2011: 00:00:00	12/07/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/08/2011: 00:00:00	12/08/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/09/2011: 00:00:00	12/09/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/10/2011: 00:00:00	12/10/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/11/2011: 00:00:00	12/11/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data Unavailable	12/12/2011: 00:00:00	12/12/2011	=	2486	MGD				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Flow	DU : Data	12/13/2011:	12/13/2011	=	2486	MGD				No			CDF_Analytic

		Unavailable	00:00:00											al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/14/2011: 00:00:00	12/14/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/15/2011: 00:00:00	12/15/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/16/2011: 00:00:00	12/16/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/17/2011: 00:00:00	12/17/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/18/2011: 00:00:00	12/18/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/19/2011: 00:00:00	12/19/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/20/2011: 00:00:00	12/20/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/21/2011: 00:00:00	12/21/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/22/2011: 00:00:00	12/22/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/23/2011: 00:00:00	12/23/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/24/2011: 00:00:00	12/24/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/25/2011: 00:00:00	12/25/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/26/2011: 00:00:00	12/26/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/27/2011: 00:00:00	12/27/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/28/2011: 00:00:00	12/28/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/29/2011: 00:00:00	12/29/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/30/2011: 00:00:00	12/30/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Flow	DU : Data Unavailable	12/31/2011: 00:00:00	12/31/2011	=	2486	MGD				No			CDF_Analytic al_Calculated_01 1920 zip
M-001	Lead, Total	E200.8 : Inductively Coupled Plasma/Mass Spectroscopy	10/31/2011: 09:44:00	11/22/2011	=	0.02	ug/L				No		See Vendor data report	CDF_Analytic al_Calculated_01 1920 zip
M-001	Mercury, Total	E1631 : Mercury in Water by Oxidation, P&T,	10/31/2011: 09:44:00	11/09/2011	DNQ	0.00034	ug/L	.00006		.001	No		See Vendor data report	CDF_Analytic al_Calculated_01 1920 zip

		and Cold Vapor												
M-001	Nickel, Total	DU : Data Unavailable	11/02/2011: 09:55:00	11/16/2011	=	10	ug/L				No			CDF_Analytical_Calculated_01920.zip
M-001	Nickel, Total	DU : Data Unavailable	10/12/2011: 08:25:00	10/25/2011	DNQ	7	ug/L	5		10	No			CDF_Analytical_Calculated_01920.zip
M-001	Nickel, Total	DU : Data Unavailable	12/05/2011: 11:03:00	12/08/2011	DNQ	8	ug/L	5		10	No			CDF_Analytical_Calculated_01920.zip
M-001	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	10/12/2011: 08:25:00	10/12/2011	=	7.8	SU				No			CDF_Analytical_Calculated_01920.zip
M-001	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	11/02/2011: 09:55:00	11/02/2011	=	8.1	SU				No			CDF_Analytical_Calculated_01920.zip
M-001	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	12/05/2011: 11:03:00	12/05/2011	=	8.1	SU				No			CDF_Analytical_Calculated_01920.zip
M-001	Phenols, Chlorinated	SW8270C : Semivolatile Organic Compounds by GC/MS	10/31/2011: 09:44:00	11/15/2011	ND		ug/L	.567			No		See Vendor data report	CDF_Analytical_Calculated_01920.zip
M-001	Phenols, Non-chlorinated	SW8270C : Semivolatile Organic Compounds by GC/MS	10/31/2011: 09:44:00	11/15/2011	ND		ug/L	3.031			No		See Vendor data report	CDF_Analytical_Calculated_01920.zip
M-001	Polychlorinated Biphenyls (PCBs), Sum	SW8082 : Polychlorinated Biphenyls (PCBs) by Gas Chromatography	10/31/2011: 09:44:00	11/11/2011	DNQ	0.0658	ug/L	.0658		1.4	No		See Vendor data report	CDF_Analytical_Calculated_01920.zip
M-001	Silver, Total	E200.8 : Inductively Coupled Plasma/Mass Spectroscopy	10/31/2011: 09:44:00	11/22/2011	DNQ	0.008	ug/L	.003		.02	No		See Vendor data report	CDF_Analytical_Calculated_01920.zip
M-001	Temperature	E170.1 : Temperature	10/01/2011: 00:00:00	10/01/2011	=	76.4	Degrees F				No			CDF_Analytical_Calculated_01920.zip
M-001	Temperature	E170.1 : Temperature	10/02/2011: 00:00:00	10/02/2011	=	74.5	Degrees F				No			CDF_Analytical_Calculated_01920.zip
M-001	Temperature	E170.1 : Temperature	10/03/2011: 00:00:00	10/03/2011	=	74.4	Degrees F				No			CDF_Analytical_Calculated_01920.zip
M-001	Temperature	E170.1 : Temperature	10/04/2011: 00:00:00	10/04/2011	=	75.3	Degrees F				No			CDF_Analytical_Calculated_01920.zip
M-001	Temperature	E170.1 : Temperature	10/05/2011: 00:00:00	10/05/2011	=	75.7	Degrees F				No			CDF_Analytical_Calculated_01920.zip
M-001	Temperature	E170.1 :	10/06/2011:	10/06/2011	=	74.5	Degrees				No			CDF_Analytical

		Temperature	00:00:00				F							al_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/07/2011: 00:00:00	10/07/2011	=	75	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/08/2011: 00:00:00	10/08/2011	=	73.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/09/2011: 00:00:00	10/09/2011	=	73.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/10/2011: 00:00:00	10/10/2011	=	73.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/11/2011: 00:00:00	10/11/2011	=	71.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/12/2011: 00:00:00	10/12/2011	=	72.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/13/2011: 00:00:00	10/13/2011	=	73.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/14/2011: 00:00:00	10/14/2011	=	74.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/15/2011: 00:00:00	10/15/2011	=	74.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/16/2011: 00:00:00	10/16/2011	=	75.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/17/2011: 00:00:00	10/17/2011	=	74.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/18/2011: 00:00:00	10/18/2011	=	74.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/19/2011: 00:00:00	10/19/2011	=	72.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/20/2011: 00:00:00	10/20/2011	=	72.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/21/2011: 00:00:00	10/21/2011	=	73.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/22/2011: 00:00:00	10/22/2011	=	73.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/23/2011: 00:00:00	10/23/2011	=	75.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/24/2011: 00:00:00	10/24/2011	=	75.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/25/2011: 00:00:00	10/25/2011	=	74.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/26/2011: 00:00:00	10/26/2011	=	74.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/27/2011: 00:00:00	10/27/2011	=	74.3	Degrees F				No			CDF_Analytical_Calculated_01_1920

														zip
M-001	Temperature	E170.1 : Temperature	10/28/2011: 00:00:00	10/28/2011	=	74.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/29/2011: 00:00:00	10/29/2011	=	74.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/30/2011: 00:00:00	10/30/2011	=	74.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	10/31/2011: 00:00:00	10/31/2011	=	74.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/01/2011: 00:00:00	11/01/2011	=	74.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/02/2011: 00:00:00	11/02/2011	=	74	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/03/2011: 00:00:00	11/03/2011	=	74.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/04/2011: 00:00:00	11/04/2011	=	74.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/05/2011: 00:00:00	11/05/2011	=	73.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/06/2011: 00:00:00	11/06/2011	=	73.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/07/2011: 00:00:00	11/07/2011	=	72.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/08/2011: 00:00:00	11/08/2011	=	72.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/09/2011: 00:00:00	11/09/2011	=	73.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/10/2011: 00:00:00	11/10/2011	=	73.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/11/2011: 00:00:00	11/11/2011	=	74.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/12/2011: 00:00:00	11/12/2011	=	74.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/13/2011: 00:00:00	11/13/2011	=	74.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/14/2011: 00:00:00	11/14/2011	=	73.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/15/2011: 00:00:00	11/15/2011	=	73.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/16/2011: 00:00:00	11/16/2011	=	73.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	11/17/2011: 00:00:00	11/17/2011	=	73.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip

M-001	Temperature	E170.1 : Temperature	11/18/2011: 00:00:00	11/18/2011	=	73.6	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/19/2011: 00:00:00	11/19/2011	=	73.5	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/20/2011: 00:00:00	11/20/2011	=	73.8	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/21/2011: 00:00:00	11/21/2011	=	74.4	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/22/2011: 00:00:00	11/22/2011	=	74.2	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/23/2011: 00:00:00	11/23/2011	=	75	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/24/2011: 00:00:00	11/24/2011	=	75.5	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/25/2011: 00:00:00	11/25/2011	=	74.5	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/26/2011: 00:00:00	11/26/2011	=	73.9	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/27/2011: 00:00:00	11/27/2011	=	74.3	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/28/2011: 00:00:00	11/28/2011	=	73.6	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/29/2011: 00:00:00	11/29/2011	=	74	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	11/30/2011: 00:00:00	11/30/2011	=	74.1	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	12/01/2011: 00:00:00	12/01/2011	=	71.6	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	12/02/2011: 00:00:00	12/02/2011	=	72.4	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	12/03/2011: 00:00:00	12/03/2011	=	73	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	12/04/2011: 00:00:00	12/04/2011	=	73.3	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	12/05/2011: 00:00:00	12/05/2011	=	73.1	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	12/06/2011: 00:00:00	12/06/2011	=	74.3	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	12/07/2011: 00:00:00	12/07/2011	=	74.6	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 : Temperature	12/08/2011: 00:00:00	12/08/2011	=	73.8	Degrees F				No			CDF_Analytical_Calculated_01 1920 zip
M-001	Temperature	E170.1 :	12/09/2011:	12/09/2011	=	73.2	Degrees				No			CDF_Analytic

		Temperature	00:00:00				F							al_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/10/2011: 00:00:00	12/10/2011	=	74	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/11/2011: 00:00:00	12/11/2011	=	74.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/12/2011: 00:00:00	12/12/2011	=	74.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/13/2011: 00:00:00	12/13/2011	=	74.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/14/2011: 00:00:00	12/14/2011	=	73.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/15/2011: 00:00:00	12/15/2011	=	73.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/16/2011: 00:00:00	12/16/2011	=	73.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/17/2011: 00:00:00	12/17/2011	=	73.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/18/2011: 00:00:00	12/18/2011	=	73.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/19/2011: 00:00:00	12/19/2011	=	73.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/20/2011: 00:00:00	12/20/2011	=	74.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/21/2011: 00:00:00	12/21/2011	=	74.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/22/2011: 00:00:00	12/22/2011	=	74.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/23/2011: 00:00:00	12/23/2011	=	74.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/24/2011: 00:00:00	12/24/2011	=	73.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/25/2011: 00:00:00	12/25/2011	=	73.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/26/2011: 00:00:00	12/26/2011	=	73.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/27/2011: 00:00:00	12/27/2011	=	73.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/28/2011: 00:00:00	12/28/2011	=	73.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/29/2011: 00:00:00	12/29/2011	=	73.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	E170.1 : Temperature	12/30/2011: 00:00:00	12/30/2011	=	72.3	Degrees F				No			CDF_Analytical_Calculated_01_1920

														zip
M-001	Temperature	E170.1 : Temperature	12/31/2011: 00:00:00	12/31/2011	=	72.7	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-001	Titanium, Total	SW6010B : Inductively Coupled Plasma-Atomic Emission Spectroscopy	10/31/2011: 09:44:00	11/17/2011	=	2.2	ug/L				No		See Vendor data report	CDF_Analytical_Calculated_011920.zip
M-001	Zinc, Total	DU : Data Unavailable	10/12/2011: 08:25:00	10/25/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_011920.zip
M-001	Zinc, Total	DU : Data Unavailable	11/02/2011: 09:55:00	11/16/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_011920.zip
M-001	Zinc, Total	DU : Data Unavailable	12/05/2011: 11:03:00	12/08/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_011920.zip
M-001D	Boron, Total	DU : Data Unavailable	10/06/2011: 13:20:00	10/15/2011	=	380	mg/L				No			CDF_Analytical_Calculated_011920.zip
M-001D	Hydrazine	DU : Data Unavailable	10/06/2011: 13:20:00	10/08/2011	=	0.004	mg/L				No			CDF_Analytical_Calculated_011920.zip
M-001D	Lithium, Total	DU : Data Unavailable	10/06/2011: 13:20:00	10/15/2011	ND		mg/L	.05			No			CDF_Analytical_Calculated_011920.zip
M-001D	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	11/23/2011: 10:00:00	11/23/2011	DNQ	2.3	mg/L	1.4		5	No			CDF_Analytical_Calculated_011920.zip
M-001D	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	12/15/2011: 10:30:00	12/15/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_011920.zip
M-001F	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/04/2011: 14:55:00	10/10/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_011920.zip
M-001F	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	11/03/2011: 08:04:00	11/21/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_011920.zip
M-001G	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/06/2011: 13:47:00	10/10/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_011920.zip
M-001G	Total Suspended Solids (TSS)	A2540D : Standard Meth (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	12/01/2011: 12:52:00	12/01/2011	DNQ	2	mg/L	2		5	No			CDF_Analytical_Calculated_011920.zip
M-001G	Total Suspended Solids (TSS)	A2540D : Standard Meth (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	10/06/2011: 13:57:00	10/06/2011	ND		mg/L	2			No			CDF_Analytical_Calculated_011920.zip
M-001G	Total Suspended Solids	A2540D :	11/01/2011:	11/01/2011	ND		mg/L	2			No			CDF_Analytic

	(TSS)	Standard Meth (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	13:13:00											al_Calculated_01 1920 zip
M-001M	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/25/2011: 19:00:00	10/27/2011	ND		mg/L	1.4			No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytic al_Calculated_01 1920 zip
M-001M	Total Suspended Solids (TSS)	A2540D : Standard Meth (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	10/25/2011: 19:00:00	10/25/2011	ND		mg/L	2			No			CDF_Analytic al_Calculated_01 1920 zip
M-001N	Ammonia, Total (as N)	A4500NH : Standard Method (19th) 4500-NH: Nitrogen (Ammonia)	10/18/2011: 09:36:00	10/26/2011	=	55	mg/Kg				No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Boron, Total	SW6010B : Inductively Coupled Plasma-Atomic Emission Spectroscopy	10/18/2011: 09:36:00	10/27/2011	DNQ	9.2	mg/Kg	1.7		10	No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Cadmium, Total	SW6020 : Inductively Coupled Plasma-Mass Spectrometry	10/18/2011: 09:36:00	10/28/2011	ND		mg/Kg	.25			No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Chromium (Total)	SW6020 : Inductively Coupled Plasma-Mass Spectrometry	10/18/2011: 09:36:00	10/28/2011	ND		mg/Kg	.88			No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Copper, Total	SW6020 : Inductively Coupled Plasma-Mass Spectrometry	10/18/2011: 09:36:00	10/28/2011	DNQ	4.9	mg/Kg	.38		5	No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Lead, Total	SW6020 : Inductively Coupled Plasma-Mass Spectrometry	10/18/2011: 09:36:00	10/28/2011	ND		mg/Kg	.15			No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Mercury, Total	SW6020 : Inductively Coupled Plasma-Mass Spectrometry	10/18/2011: 09:36:00	10/28/2011	ND		mg/Kg	.09			No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Nickel, Total	SW6020 : Inductively Coupled Plasma-Mass Spectrometry	10/18/2011: 09:36:00	10/31/2011	ND		mg/Kg	.41			No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Nitrate, Total (as NO3)	E300.0 : Inorganic Anions by Ion Chromatography	10/18/2011: 09:36:00	10/29/2011	=	5.7	mg/Kg				No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/18/2011: 09:36:00	10/25/2011	DNQ	4.9	mg/Kg	1.4		5	No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920 zip
M-001N	pH	SW9045C : Soil and Waste pH	10/18/2011: 09:36:00	10/25/2011	=	7	SU				No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytic al_Calculated_01 1920

														zip
M-001N	Phosphorus, Total (as P)	E365.4 : Phosphorus, Total (Colorimetric, Automated Block Digestor, AA II)	10/18/2011: 09:36:00	10/28/2011	=	170	mg/Kg				No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytical_Calculated_01 1920 zip
M-001N	Total Kjeldahl Nitrogen (TKN) (as N)	E351.2 : Nitrogen, Kjeldahl, Total	10/18/2011: 09:36:00	10/28/2011	=	940	mg/Kg				No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytical_Calculated_01 1920 zip
M-001N	Zinc, Total	SW6020 : Inductively Coupled Plasma-Mass Spectrometry	10/18/2011: 09:36:00	10/28/2011	DNQ	11	mg/Kg	7.8		62	No		001N Sludge Monitoring - See Vendor Data Report	CDF_Analytical_Calculated_01 1920 zip
M-001P	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/12/2011: 13:30:00	10/27/2011	ND		mg/L	1.4			No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytical_Calculated_01 1920 zip
M-003	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/13/2011: 08:50:00	10/27/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_01 1920 zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	10/13/2011: 08:50:00	10/13/2011	=	7.8	SU				No			CDF_Analytical_Calculated_01 1920 zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	11/08/2011: 12:15:00	11/08/2011	=	7.8	SU				No			CDF_Analytical_Calculated_01 1920 zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	12/06/2011: 12:56:00	12/06/2011	=	8.4	SU				No			CDF_Analytical_Calculated_01 1920 zip
M-004	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/12/2011: 13:36:00	10/27/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_01 1920 zip
M-004	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	10/12/2011: 13:36:00	10/12/2011	=	7.8	SU				No			CDF_Analytical_Calculated_01 1920 zip
M-004	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	11/08/2011: 12:55:00	11/08/2011	=	8	SU				No			CDF_Analytical_Calculated_01 1920 zip
M-004	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	12/06/2011: 12:30:00	12/06/2011	=	8.1	SU				No			CDF_Analytical_Calculated_01 1920 zip

M-005	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/05/2011: 08:45:00	10/10/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_011920.zip
M-008	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/05/2011: 09:50:00	10/10/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_011920.zip
M-009	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/05/2011: 08:15:00	10/10/2011	DNQ	1.5	mg/L	1.4		5	No			CDF_Analytical_Calculated_011920.zip
M-013	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/05/2011: 09:08:00	10/10/2011	ND		mg/L	1.4			No			CDF_Analytical_Calculated_011920.zip
M-015	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	10/05/2011: 09:00:00	10/10/2011	DNQ	2.9	mg/L	1.4		5	No			CDF_Analytical_Calculated_011920.zip
M-INF	Ammonia, Total (as N)	E350.1 : Nitrogen, Ammonia (as N)	10/12/2011: 09:42:00	10/18/2011	ND		mg/L	.05			No		Results included in Vendor Laboratory Data	CDF_Analytical_Calculated_011920.zip
M-INF	Arsenic, Total	E200.8 : Inductively Coupled Plasma/Mass Spectroscopy	10/31/2011: 09:29:00	11/22/2011	=	1.5	ug/L				No		See Vendor data report	CDF_Analytical_Calculated_011920.zip
M-INF	Cadmium, Total	E200.8 : Inductively Coupled Plasma/Mass Spectroscopy	10/31/2011: 09:29:00	11/22/2011	=	0.041	ug/L				No		See Vendor data report	CDF_Analytical_Calculated_011920.zip
M-INF	Cyanide, Total (as CN)	E335.4 : Total Cyanide by Semi-automated Colorimetry	10/31/2011: 09:29:00	11/03/2011	ND		ug/L	3			No		See Vendor data report	CDF_Analytical_Calculated_011920.zip
M-INF	Lead, Total	E200.8 : Inductively Coupled Plasma/Mass Spectroscopy	10/31/2011: 09:29:00	11/22/2011	DNQ	0.012	ug/L	.009		.02	No		See Vendor data report	CDF_Analytical_Calculated_011920.zip
M-INF	Mercury, Total	E1631 : Mercury in Water by Oxidation, P&T, and Cold Vapor	10/31/2011: 09:29:00	11/09/2011	DNQ	0.00037	ug/L	.00006		.001	No		See Vendor data report	CDF_Analytical_Calculated_011920.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	10/12/2011: 08:13:00	10/12/2011	=	7.7	SU				No			CDF_Analytical_Calculated_011920.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	11/02/2011: 09:43:00	11/02/2011	=	8.1	SU				No			CDF_Analytical_Calculated_011920.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	12/05/2011: 10:50:00	12/05/2011	=	8.1	SU				No			CDF_Analytical_Calculated_011920.zip
M-INF	Phenols, Chlorinated	SW8270C :	10/31/2011:	11/15/2011	ND		ug/L	.567			No		See Vendor data report	CDF_Analytic

		Semivolatile Organic Compounds by GC/MS	09:29:00											al_Calculated_01 1920 zip
M-INF	Phenols, Non-chlorinated	SW8270C : Semivolatile Organic Compounds by GC/MS	10/31/2011: 09:29:00	11/15/2011	ND		ug/L	3.031			No		See Vendor data report	CDF_Analytic al_Calculated_01 1920 zip
M-INF	Polychlorinated Biphenyls (PCBs), Sum	SW8082 : Polychlorinated Biphenyls (PCBs) by Gas Chromatography	10/31/2011: 09:29:00	11/11/2011	ND		ug/L	.0658			No		See Vendor data report	CDF_Analytic al_Calculated_01 1920 zip
M-INF	Silver, Total	E200.8 : Inductively Coupled Plasma/Mass Spectroscopy	10/31/2011: 09:29:00	11/22/2011	DNQ	0.007	ug/L	.003		.02	No		See Vendor data report	CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/01/2011: 00:00:00	10/01/2011	=	57.5	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/02/2011: 00:00:00	10/02/2011	=	55.5	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/03/2011: 00:00:00	10/03/2011	=	55.4	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/04/2011: 00:00:00	10/04/2011	=	56.4	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/05/2011: 00:00:00	10/05/2011	=	56.8	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/06/2011: 00:00:00	10/06/2011	=	55.8	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/07/2011: 00:00:00	10/07/2011	=	56.2	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/08/2011: 00:00:00	10/08/2011	=	55	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/09/2011: 00:00:00	10/09/2011	=	54.4	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/10/2011: 00:00:00	10/10/2011	=	54.9	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/11/2011: 00:00:00	10/11/2011	=	53.8	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/12/2011: 00:00:00	10/12/2011	=	54.3	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/13/2011: 00:00:00	10/13/2011	=	55.4	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/14/2011: 00:00:00	10/14/2011	=	55.8	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	10/15/2011: 00:00:00	10/15/2011	=	55.6	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip

M-INF	Temperature	E170.1 : Temperature	10/16/2011: 00:00:00	10/16/2011	=	56.6	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/17/2011: 00:00:00	10/17/2011	=	55.4	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/18/2011: 00:00:00	10/18/2011	=	55.8	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/19/2011: 00:00:00	10/19/2011	=	53.9	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/20/2011: 00:00:00	10/20/2011	=	54.1	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/21/2011: 00:00:00	10/21/2011	=	54.7	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/22/2011: 00:00:00	10/22/2011	=	54.9	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/23/2011: 00:00:00	10/23/2011	=	56.3	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/24/2011: 00:00:00	10/24/2011	=	56.4	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/25/2011: 00:00:00	10/25/2011	=	56.5	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/26/2011: 00:00:00	10/26/2011	=	56.1	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/27/2011: 00:00:00	10/27/2011	=	56	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/28/2011: 00:00:00	10/28/2011	=	56.3	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/29/2011: 00:00:00	10/29/2011	=	56.5	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/30/2011: 00:00:00	10/30/2011	=	56.4	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	10/31/2011: 00:00:00	10/31/2011	=	56.3	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	11/01/2011: 00:00:00	11/01/2011	=	56	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	11/02/2011: 00:00:00	11/02/2011	=	56	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	11/03/2011: 00:00:00	11/03/2011	=	56.6	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	11/04/2011: 00:00:00	11/04/2011	=	56.2	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 : Temperature	11/05/2011: 00:00:00	11/05/2011	=	55	Degrees F				No			CDF_Analytical_Calculated_01 1920.zip
M-INF	Temperature	E170.1 :	11/06/2011:	11/06/2011	=	55.4	Degrees				No			CDF_Analytic

		Temperature	00:00:00				F							al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/07/2011: 00:00:00	11/07/2011	=	54.1	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/08/2011: 00:00:00	11/08/2011	=	54.1	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/09/2011: 00:00:00	11/09/2011	=	55.2	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/10/2011: 00:00:00	11/10/2011	=	55.3	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/11/2011: 00:00:00	11/11/2011	=	55.7	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/12/2011: 00:00:00	11/12/2011	=	56.2	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/13/2011: 00:00:00	11/13/2011	=	55.7	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/14/2011: 00:00:00	11/14/2011	=	55.2	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/15/2011: 00:00:00	11/15/2011	=	55	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/16/2011: 00:00:00	11/16/2011	=	55.2	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/17/2011: 00:00:00	11/17/2011	=	55.3	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/18/2011: 00:00:00	11/18/2011	=	55.2	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/19/2011: 00:00:00	11/19/2011	=	55.2	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/20/2011: 00:00:00	11/20/2011	=	55.6	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/21/2011: 00:00:00	11/21/2011	=	56.1	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/22/2011: 00:00:00	11/22/2011	=	55.8	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/23/2011: 00:00:00	11/23/2011	=	56.6	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/24/2011: 00:00:00	11/24/2011	=	57.1	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/25/2011: 00:00:00	11/25/2011	=	56.1	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/26/2011: 00:00:00	11/26/2011	=	55.3	Degrees F				No			CDF_Analytic al_Calculated_01 1920 zip
M-INF	Temperature	E170.1 : Temperature	11/27/2011: 00:00:00	11/27/2011	=	55.9	Degrees F				No			CDF_Analytic al_Calculated_01 1920

														zip
M-INF	Temperature	E170.1 : Temperature	11/28/2011: 00:00:00	11/28/2011	=	55.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	11/29/2011: 00:00:00	11/29/2011	=	55.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	11/30/2011: 00:00:00	11/30/2011	=	55.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/01/2011: 00:00:00	12/01/2011	=	53.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/02/2011: 00:00:00	12/02/2011	=	54.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/03/2011: 00:00:00	12/03/2011	=	55.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/04/2011: 00:00:00	12/04/2011	=	54.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/05/2011: 00:00:00	12/05/2011	=	54.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/06/2011: 00:00:00	12/06/2011	=	56	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/07/2011: 00:00:00	12/07/2011	=	56	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/08/2011: 00:00:00	12/08/2011	=	55.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/09/2011: 00:00:00	12/09/2011	=	55.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/10/2011: 00:00:00	12/10/2011	=	55.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/11/2011: 00:00:00	12/11/2011	=	56	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/12/2011: 00:00:00	12/12/2011	=	56	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/13/2011: 00:00:00	12/13/2011	=	55.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/14/2011: 00:00:00	12/14/2011	=	55	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/15/2011: 00:00:00	12/15/2011	=	55	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/16/2011: 00:00:00	12/16/2011	=	55.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/17/2011: 00:00:00	12/17/2011	=	55.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-INF	Temperature	E170.1 : Temperature	12/18/2011: 00:00:00	12/18/2011	=	55.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip

M-INF	Temperature	E170.1 : Temperature	12/19/2011: 00:00:00	12/19/2011	=	55.6	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/20/2011: 00:00:00	12/20/2011	=	55.9	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/21/2011: 00:00:00	12/21/2011	=	56.1	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/22/2011: 00:00:00	12/22/2011	=	55.5	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/23/2011: 00:00:00	12/23/2011	=	55.7	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/24/2011: 00:00:00	12/24/2011	=	55.3	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/25/2011: 00:00:00	12/25/2011	=	55.3	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/26/2011: 00:00:00	12/26/2011	=	55.2	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/27/2011: 00:00:00	12/27/2011	=	54.9	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/28/2011: 00:00:00	12/28/2011	=	54.9	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/29/2011: 00:00:00	12/29/2011	=	54.7	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/30/2011: 00:00:00	12/30/2011	=	53.5	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	E170.1 : Temperature	12/31/2011: 00:00:00	12/31/2011	=	54	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Titanium, Total	SW6010B : Inductively Coupled Plasma-Atomic Emission Spectroscopy	10/31/2011: 09:29:00	11/17/2011	=	3.1	ug/L				No		See Vendor data report	CDF_Analytical_Calculated_011920.zip

Calculated Values

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qualifier	Result	Units	Method Detection Limit	Minimum Level	Reporting Limit	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Chlorine Usage	30-Day Average of Daily Averages	10/01/2011: 00:00:00	10/31/2011	=	623	lb/day				No		Monthly avg result. See Attachment #1, Tab 2	CDF_Analytical_Calculated_011920.zip
M-001	Chlorine Usage	30-Day Average of Daily Averages	11/01/2011: 00:00:00	11/30/2011	=	633	lb/day				No		Monthly avg result. See Attachment #1, Tab 3	CDF_Analytical_Calculated_011920.zip
M-001	Chlorine Usage	30-Day Average of Daily Averages	12/01/2011: 00:00:00	12/31/2011	=	616	lb/day				No		Monthly avg result. See Attachment #1, Tab 4	CDF_Analytical_Calculated_011920.zip

M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	10/01/2011: 00:00:00	10/31/2011	=	26	ug/L				No		Monthly avg result. See Attachment #1, Tab 2	CDF_Analytical_Calculated_01_1920.zip
M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	11/01/2011: 00:00:00	11/30/2011	=	19	ug/L				No		Monthly avg result. See Attachment #1, Tab 3	CDF_Analytical_Calculated_01_1920.zip
M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	12/01/2011: 00:00:00	12/31/2011	=	30	ug/L				No		Monthly avg result. See Attachment #1, Tab 4	CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Daily Maximum	10/31/2011: 00:00:00	10/31/2011	=	76.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Daily Maximum	11/30/2011: 00:00:00	11/30/2011	=	75.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Daily Maximum	12/31/2011: 00:00:00	12/31/2011	=	74.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/01/2011: 00:00:00	10/01/2011	=	18.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/02/2011: 00:00:00	10/02/2011	=	19	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/03/2011: 00:00:00	10/03/2011	=	19	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/04/2011: 00:00:00	10/04/2011	=	18.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/05/2011: 00:00:00	10/05/2011	=	18.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/06/2011: 00:00:00	10/06/2011	=	18.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/07/2011: 00:00:00	10/07/2011	=	18.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/08/2011: 00:00:00	10/08/2011	=	18.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/09/2011: 00:00:00	10/09/2011	=	18.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/10/2011: 00:00:00	10/10/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/11/2011: 00:00:00	10/11/2011	=	17.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/12/2011: 00:00:00	10/12/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/13/2011: 00:00:00	10/13/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/14/2011: 00:00:00	10/14/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/15/2011: 00:00:00	10/15/2011	=	18.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from	10/16/2011:	10/16/2011	=	18.6	Degrees				No			CDF_Analytic

		Background	00:00:00				F							al_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/17/2011: 00:00:00	10/17/2011	=	18.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/18/2011: 00:00:00	10/18/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/19/2011: 00:00:00	10/19/2011	=	18.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/20/2011: 00:00:00	10/20/2011	=	18.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/21/2011: 00:00:00	10/21/2011	=	18.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/22/2011: 00:00:00	10/22/2011	=	18.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/23/2011: 00:00:00	10/23/2011	=	18.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/24/2011: 00:00:00	10/24/2011	=	18.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/25/2011: 00:00:00	10/25/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/26/2011: 00:00:00	10/26/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/27/2011: 00:00:00	10/27/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/28/2011: 00:00:00	10/28/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/29/2011: 00:00:00	10/29/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/30/2011: 00:00:00	10/30/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	10/31/2011: 00:00:00	10/31/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/01/2011: 00:00:00	11/01/2011	=	18.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/02/2011: 00:00:00	11/02/2011	=	18	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/03/2011: 00:00:00	11/03/2011	=	18.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/04/2011: 00:00:00	11/04/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/05/2011: 00:00:00	11/05/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/06/2011: 00:00:00	11/06/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920

														zip
M-001	Temperature	Delta from Background	11/07/2011: 00:00:00	11/07/2011	=	18	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/08/2011: 00:00:00	11/08/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/09/2011: 00:00:00	11/09/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/10/2011: 00:00:00	11/10/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/11/2011: 00:00:00	11/11/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/12/2011: 00:00:00	11/12/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/13/2011: 00:00:00	11/13/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/14/2011: 00:00:00	11/14/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/15/2011: 00:00:00	11/15/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/16/2011: 00:00:00	11/16/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/17/2011: 00:00:00	11/17/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/18/2011: 00:00:00	11/18/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/19/2011: 00:00:00	11/19/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/20/2011: 00:00:00	11/20/2011	=	18.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/21/2011: 00:00:00	11/21/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/22/2011: 00:00:00	11/22/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/23/2011: 00:00:00	11/23/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/24/2011: 00:00:00	11/24/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/25/2011: 00:00:00	11/25/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/26/2011: 00:00:00	11/26/2011	=	18.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/27/2011: 00:00:00	11/27/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip

M-001	Temperature	Delta from Background	11/28/2011: 00:00:00	11/28/2011	=	18	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/29/2011: 00:00:00	11/29/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	11/30/2011: 00:00:00	11/30/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/01/2011: 00:00:00	12/01/2011	=	18	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/02/2011: 00:00:00	12/02/2011	=	18.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/03/2011: 00:00:00	12/03/2011	=	17.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/04/2011: 00:00:00	12/04/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/05/2011: 00:00:00	12/05/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/06/2011: 00:00:00	12/06/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/07/2011: 00:00:00	12/07/2011	=	18.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/08/2011: 00:00:00	12/08/2011	=	18.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/09/2011: 00:00:00	12/09/2011	=	18.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/10/2011: 00:00:00	12/10/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/11/2011: 00:00:00	12/11/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/12/2011: 00:00:00	12/12/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/13/2011: 00:00:00	12/13/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/14/2011: 00:00:00	12/14/2011	=	18.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/15/2011: 00:00:00	12/15/2011	=	18.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/16/2011: 00:00:00	12/16/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/17/2011: 00:00:00	12/17/2011	=	18	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/18/2011: 00:00:00	12/18/2011	=	18.1	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from	12/19/2011:	12/19/2011	=	18.3	Degrees				No			CDF_Analytical

		Background	00:00:00				F							al_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/20/2011: 00:00:00	12/20/2011	=	18.3	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/21/2011: 00:00:00	12/21/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/22/2011: 00:00:00	12/22/2011	=	18.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/23/2011: 00:00:00	12/23/2011	=	18.4	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/24/2011: 00:00:00	12/24/2011	=	18.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/25/2011: 00:00:00	12/25/2011	=	18.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/26/2011: 00:00:00	12/26/2011	=	18.5	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/27/2011: 00:00:00	12/27/2011	=	18.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/28/2011: 00:00:00	12/28/2011	=	18.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/29/2011: 00:00:00	12/29/2011	=	18.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/30/2011: 00:00:00	12/30/2011	=	18.8	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Delta from Background	12/31/2011: 00:00:00	12/31/2011	=	18.7	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Monthly Average of Daily Averages	10/31/2011: 00:00:00	10/31/2011	=	74.2	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Monthly Average of Daily Averages	11/30/2011: 00:00:00	11/30/2011	=	73.9	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001	Temperature	Monthly Average of Daily Averages	12/31/2011: 00:00:00	12/31/2011	=	73.6	Degrees F				No			CDF_Analytical_Calculated_01_1920.zip
M-001D	Cadmium, Total	90-Day Mean	10/06/2011: 00:00:00	12/15/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01_1920.zip
M-001D	Chromium (Total)	90-Day Mean	10/06/2011: 00:00:00	12/15/2011	=	10	ug/L				No			CDF_Analytical_Calculated_01_1920.zip
M-001D	Copper, Total	90-Day Mean	10/06/2011: 00:00:00	12/15/2011	=	20	ug/L				No			CDF_Analytical_Calculated_01_1920.zip
M-001D	Lead, Total	90-Day Mean	10/06/2011: 00:00:00	12/15/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01_1920.zip
M-001D	Mercury, Total	90-Day Mean	10/06/2011: 00:00:00	12/15/2011	ND		ug/L	.05			No		See Vendor data report	CDF_Analytical_Calculated_01_1920.zip
M-001D	Nickel, Total	90-Day Mean	10/06/2011: 00:00:00	12/15/2011	DNQ	7	ug/L	5		10	No			CDF_Analytical_Calculated_01_1920

														zip
M-001D	Oil and Grease	30-Day Average	10/06/2011: 00:00:00	10/28/2011	<	5	mg/L				No		Monthly avg result. See Attachment #1, Tab 5	CDF_Analytical_Calculated_01920.zip
M-001D	Silver, Total	90-Day Mean	10/06/2011: 00:00:00	12/15/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01920.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	10/06/2011: 00:00:00	10/28/2011	<	5	mg/L				No		Monthly avg result. See Attachment #1, Tab 5	CDF_Analytical_Calculated_01920.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	11/16/2011: 00:00:00	11/29/2011	<	5	mg/L				No		Monthly avg result. See Attachment #1, Tab 6	CDF_Analytical_Calculated_01920.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	12/19/2011: 00:00:00	12/20/2011	=	16	mg/L				No		Monthly avg result. See Attachment #1, Tab 7	CDF_Analytical_Calculated_01920.zip
M-001D	Zinc, Total	90-Day Mean	10/06/2011: 00:00:00	12/15/2011	=	61	ug/L				No			CDF_Analytical_Calculated_01920.zip
M-001F	Cadmium, Total	7-Day Average (Mean)	10/06/2011: 00:00:00	10/13/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01920.zip
M-001F	Chromium (Total)	7-Day Average (Mean)	10/06/2011: 00:00:00	10/13/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01920.zip
M-001F	Copper, Total	7-Day Average (Mean)	10/06/2011: 00:00:00	10/13/2011	=	13	ug/L				No			CDF_Analytical_Calculated_01920.zip
M-001F	Lead, Total	7-Day Average (Mean)	10/06/2011: 00:00:00	10/13/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01920.zip
M-001F	Mercury, Total	7-Day Average (Mean)	10/06/2011: 00:00:00	10/13/2011	ND		ug/L	.05			No		See Vendor data report	CDF_Analytical_Calculated_01920.zip
M-001F	Nickel, Total	7-Day Average (Mean)	10/06/2011: 00:00:00	10/13/2011	DNQ	8	ug/L	5		10	No			CDF_Analytical_Calculated_01920.zip
M-001F	Oil and Grease	30-Day Average of Daily Averages	12/08/2011: 00:00:00	12/14/2011	<	5	mg/L				No			CDF_Analytical_Calculated_01920.zip
M-001F	Silver, Total	7-Day Average (Mean)	10/06/2011: 00:00:00	10/13/2011	ND		ug/L	5			No			CDF_Analytical_Calculated_01920.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	12/08/2011: 00:00:00	12/20/2011	=	10	mg/L				No		Monthly avg result. See Attachment #1, Tab 13	CDF_Analytical_Calculated_01920.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	10/04/2011: 14:55:00	10/04/2011	ND		mg/L	2			No		Monthly avg result. See Attachment #1, Tab 11	CDF_Analytical_Calculated_01920.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	11/03/2011: 08:04:00	11/03/2011	ND		mg/L	2			No		Monthly avg result. See Attachment #1, Tab 12	CDF_Analytical_Calculated_01920.zip
M-001F	Zinc, Total	7-Day Average (Mean)	10/06/2011: 00:00:00	10/13/2011	=	53	ug/L				No			CDF_Analytical_Calculated_01920.zip
M-001H	Cadmium, Total	90-Day Mean	10/03/2011: 00:00:00	12/20/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001H	Chromium (Total)	90-Day Mean	10/03/2011: 00:00:00	12/20/2011	=	14	ug/L				No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001H	Copper, Total	90-Day Mean	10/03/2011: 00:00:00	12/20/2011	=	32	ug/L				No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip

M-001H	Lead, Total	90-Day Mean	10/03/2011: 00:00:00	12/20/2011	<	10	ug/L				No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001H	Mercury, Total	90-Day Mean	10/03/2011: 00:00:00	12/20/2011	ND		ug/L	.05			No		See Vendor data report	CDF_Analytical_Calculated_01920.zip
M-001H	Nickel, Total	90-Day Mean	10/03/2011: 00:00:00	12/20/2011	=	12	ug/L				No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001H	Oil and Grease	30-Day Average of Daily Averages	10/02/2011: 00:00:00	10/27/2011	ND		mg/L	1.4			No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001H	Silver, Total	90-Day Mean	10/03/2011: 00:00:00	12/20/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	10/02/2011: 00:00:00	10/02/2011	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment #1, Tab 11	CDF_Analytical_Calculated_01920.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	11/01/2011: 00:00:00	11/01/2011	ND		mg/L	2			No		Monthly avg result. See Attachment #1, Tab 12	CDF_Analytical_Calculated_01920.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	12/01/2011: 00:00:00	12/04/2011	ND		mg/L	2			No		Monthly avg result. See Attachment #1, Tab 13	CDF_Analytical_Calculated_01920.zip
M-001H	Zinc, Total	90-Day Mean	10/03/2011: 00:00:00	12/20/2011	DNQ	9	ug/L	5		10	No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001L	Cadmium, Total	90-Day Mean	10/05/2011: 00:00:00	12/21/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001L	Chromium (Total)	90-Day Mean	10/05/2011: 00:00:00	12/21/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001L	Copper, Total	90-Day Mean	10/05/2011: 00:00:00	12/21/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001L	Lead, Total	90-Day Mean	10/05/2011: 00:00:00	12/21/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001L	Mercury, Total	90-Day Mean	10/05/2011: 00:00:00	12/21/2011	ND		ug/L	.05			No		See Vendor data report	CDF_Analytical_Calculated_01920.zip
M-001L	Nickel, Total	90-Day Mean	10/05/2011: 00:00:00	12/21/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001L	Oil and Grease	90-Day Mean	10/04/2011: 00:00:00	12/14/2011	ND		mg/L	1.4			No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001L	Silver, Total	90-Day Mean	10/05/2011: 00:00:00	12/21/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	10/04/2011: 00:00:00	10/04/2011	ND		mg/L	2			No		Monthly avg result. See Attachment #1, Tab 11	CDF_Analytical_Calculated_01920.zip
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	11/01/2011: 00:00:00	11/03/2011	ND		mg/L	2			No		Monthly avg result. See Attachment #1, Tab 12	CDF_Analytical_Calculated_01920.zip
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	12/02/2011: 00:00:00	12/02/2011	ND		mg/L	2			No		Monthly avg result. See Attachment #1, Tab 13	CDF_Analytical_Calculated_01920.zip
M-001L	Zinc, Total	90-Day Mean	10/05/2011: 00:00:00	12/21/2011	ND		ug/L	5			No		Avg result for qrtrly cmpstes. See Att #1, Tab 1	CDF_Analytical_Calculated_01920.zip
M-001N	Oil and Grease	30-Day Average	10/06/2011:	10/26/2011	DNQ	2	mg/L	1.4		5	No		Monthly avg result. See	CDF_Analytic

		of Daily Averages	00:00:00										Attachment #1, Tab 8	al_Calculated_01 1920 zip
M-001N	Oil and Grease	30-Day Average of Daily Averages	11/02/2011: 00:00:00	11/22/2011	DNQ	1.4	mg/L	1.4		5	No		Monthly avg result. See Attachment #1, Tab 9	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Oil and Grease	30-Day Average of Daily Averages	12/01/2011: 00:00:00	12/27/2011	DNQ	1.4	mg/L	1.4		5	No		Monthly avg result. See Attachment #1, Tab 10	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Settleable Solids	30-Day Average	10/06/2011: 00:00:00	10/26/2011	ND		ml/L	.1			No		Monthly avg result. See Attachment #1, Tab 8	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Settleable Solids	30-Day Average	11/02/2011: 00:00:00	11/22/2011	ND		ml/L	.1			No		Monthly avg result. See Attachment #1, Tab 9	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Settleable Solids	30-Day Average	12/01/2011: 00:00:00	12/27/2011	ND		ml/L	.1			No		Monthly avg result. See Attachment #1, Tab 10	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	10/06/2011: 00:00:00	10/26/2011	=	11	mg/L				No		Monthly avg result. See Attachment #1, Tab 8	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	11/02/2011: 00:00:00	11/22/2011	=	7	mg/L				No		Monthly avg result. See Attachment #1, Tab 9	CDF_Analytic al_Calculated_01 1920 zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	12/01/2011: 00:00:00	12/27/2011	=	7	mg/L				No		Monthly avg result. See Attachment #1, Tab 10	CDF_Analytic al_Calculated_01 1920 zip
M-001P	pH	Daily Average (Mean)	10/12/2011: 07:58:00	10/12/2011	=	7.7	SU				No		See Attachment #1, Tab 11	CDF_Analytic al_Calculated_01 1920 zip
M-001P	pH	Daily Average (Mean)	11/07/2011: 08:12:00	11/07/2011	=	7.9	SU				No		See Attachment #1, Tab 12	CDF_Analytic al_Calculated_01 1920 zip
M-001P	pH	Daily Average (Mean)	12/05/2011: 10:42:00	12/05/2011	=	7.6	SU				No		See Attachment #1, Tab 13	CDF_Analytic al_Calculated_01 1920 zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	12/05/2011: 00:00:00	12/05/2011	<	5	mg/L				No		Monthly avg result. See Attachment #1, Tab 13	CDF_Analytic al_Calculated_01 1920 zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	10/12/2011: 00:00:00	10/12/2011	=	8	mg/L				No		Monthly avg result. See Attachment #1, Tab 11	CDF_Analytic al_Calculated_01 1920 zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	11/07/2011: 00:00:00	11/07/2011	=	9	mg/L				No		Monthly avg result. See Attachment #1, Tab 12	CDF_Analytic al_Calculated_01 1920 zip
M-002	Oil and Grease	30-Day Average of Daily Averages	10/13/2011: 00:00:00	10/27/2011	ND		mg/L	1.4			No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytic al_Calculated_01 1920 zip
M-002	pH	Daily Average (Mean)	10/13/2011: 12:05:00	10/13/2011	=	7.9	SU				No		See Attachment #1, Tab 11	CDF_Analytic al_Calculated_01 1920 zip
M-002	pH	Daily Average (Mean)	11/08/2011: 12:43:00	11/08/2011	=	7.9	SU				No		See Attachment #1, Tab 12	CDF_Analytic al_Calculated_01 1920 zip
M-002	pH	Daily Average (Mean)	12/06/2011: 00:00:00	12/06/2011	=	8.4	SU				No		See Attachment #1, Tab 13	CDF_Analytic al_Calculated_01 1920 zip
M-002	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	10/13/2011: 00:00:00	10/13/2011	<	5	mg/L				No		Monthly avg result. See Attachment #1, Tab 11	CDF_Analytic al_Calculated_01 1920 zip
M-002	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	11/08/2011: 00:00:00	11/09/2011	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment #1, Tab 12	CDF_Analytic al_Calculated_01 1920 zip
M-002	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	12/06/2011: 00:00:00	12/07/2011	ND		mg/L	2			No		Monthly avg result. See Attachment #1, Tab 13	CDF_Analytic al_Calculated_01 1920

														zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	10/13/2011: 08:50:00	10/13/2011	=	6	mg/L				No		Monthly avg result. See Attachment #1, Tab 11	CDF_Analytical_Calculated_011920.zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	11/08/2011: 12:15:00	11/08/2011	=	5	mg/L				No		Monthly avg result. See Attachment #1, Tab 12	CDF_Analytical_Calculated_011920.zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	12/06/2011: 12:36:00	12/06/2011	DNQ	3	mg/L	2		5	No		Monthly avg result. See Attachment #1, Tab 13	CDF_Analytical_Calculated_011920.zip
M-INF	Chromium (Total)	90-Day Mean	10/12/2011: 00:00:00	12/08/2011	ND		ug/L	5			No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytical_Calculated_011920.zip
M-INF	Copper, Total	90-Day Mean	10/12/2011: 00:00:00	12/08/2011	ND		ug/L	5			No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytical_Calculated_011920.zip
M-INF	Nickel, Total	90-Day Mean	10/12/2011: 00:00:00	12/08/2011	DNQ	7	ug/L	5		10	No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	Daily Maximum	10/31/2011: 00:00:00	10/31/2011	=	57.5	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	Daily Maximum	11/30/2011: 00:00:00	11/30/2011	=	57.1	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	Daily Maximum	12/31/2011: 00:00:00	12/31/2011	=	56.1	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	Monthly Average of Daily Averages	10/31/2011: 00:00:00	10/31/2011	=	55.6	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	Monthly Average of Daily Averages	11/30/2011: 00:00:00	11/30/2011	=	55.6	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Temperature	Monthly Average of Daily Averages	12/31/2011: 00:00:00	12/31/2011	=	55.2	Degrees F				No			CDF_Analytical_Calculated_011920.zip
M-INF	Zinc, Total	90-Day Mean	10/12/2011: 00:00:00	12/08/2011	ND		ug/L	5			No		Quarterly avg result. See Attachment #1, Tab 1	CDF_Analytical_Calculated_011920.zip

Certificate

I certify under penalty of law that all data submitted, including attachments, were prepared under my direction in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine or imprisonment, for knowing violations. I certify that I am Jeffrey Gardner and am authorized to submit this report on behalf of PG&E DIABLO CANYON POWER PLANT. I understand that I am submitting a Quarterly SMR (MONNPDES) report for Q4 2011 and I understand that data submitted in this report can be used by authorized agencies for water quality management related analyses and enforcement actions, if required. Entry of my name and title below indicate my certification of this report of my understanding of the above conditions.

Name: Jeffrey Gardner

Title: Engineering supervisor

Diablo Canyon Power Plant - NPDES Data Worksheets
4nd Quarter 2011

	Tab	Information
Go To Tab 1	1	Miscellaneous Quarterly Duplicate Averages
Go To Tab 2	2	Circulating Water Chlorine Residual - October
Go To Tab 3	3	Circulating Water Chlorine Residual - November
Go To Tab 4	4	Circulating Water Chlorine Residual - December
Go To Tab 5	5	001D Flow Weighted Averages For TSS and O&G - October
Go To Tab 6	6	001D Flow Weighted Averages For TSS and O&G - November
Go To Tab 7	7	001D Flow Weighted Averages For TSS and O&G - December
Go To Tab 8	8	001N TSS, SS and O&G - October
Go To Tab 9	9	001N TSS, SS and O&G - November
Go To Tab 10	10	001N TSS, SS and O&G - December
Go To Tab 11	11	Miscellaneous Duplicates - October
Go To Tab 12	12	Miscellaneous Duplicates - November
Go To Tab 13	13	Miscellaneous Duplicates - December

	A	B	C	D	E	F	G	H	I	J	K	L
1	Navigation											
2		Miscellaneous Quarterly Average Calculations for Quarterly eSMR										
3												
4		Sample Date	Analysis Date	Location	Unit	Parameter	Result 1	Result 2	Result 3	Result 4	Result 5	Average for Quarter
5												
6		10/12/2011	10/25/2011	Influent		Cr	ND					ND
7		11/2/2011	11/16/2011	Influent		Cr		ND				
8		12/5/2011	12/8/2011	Influent		Cr			ND			
9												
10		10/12/2011	10/25/2011	Influent		Cu	ND					ND
11		11/2/2011	11/16/2011	Influent		Cu		ND				
12		12/5/2011	12/8/2011	Influent		Cu			ND			
13												
14		10/12/2011	10/25/2011	Influent		Ni	6.3					6.8
15		11/2/2011	11/16/2011	Influent		Ni		7.4				
16		12/5/2011	12/8/2011	Influent		Ni			6.6			
17												
18		10/12/2011	10/25/2011	Influent		Zn	ND					ND
19		11/2/2011	11/16/2011	Influent		Zn		ND				
20		12/5/2011	12/8/2011	Influent		Zn			ND			
21												
22		10/2/11	10/10/11	001H	1	O&G	ND					ND
23		10/2/11	10/27/11	001H	2	O&G	ND					
24												
25		10/4/11	10/10/11	001L	1	O&G	ND					ND
26		10/4/11	10/27/11	001L	2	O&G	ND					
27		12/14/11	12/14/11	001L	2	O&G	ND					
28												
29		10/13/11	10/27/11	002	1	O&G	ND					ND
30		10/13/11	10/27/11	002	2	O&G	ND					
31												
32		12/8/11	12/12/11	001F		O&G	ND					
33		12/13/11	12/14/11	001F		O&G	8.3					<5.0
34												
35												
36		10/3/2011		001H	1	Ag	<5					ND
37		12/20/2011		001H	2	Ag	<5					
38												
39		10/3/2011		001H	1	Cd	<5					ND
40		12/20/2011		001H	2	Cd	<5					
41												
42		10/3/2011		001H	1	Cr	18.9					14
43		12/20/2011		001H	2	Cr	9.4					
44												
45		10/3/2011		001H	1	Cu	26.0					32
46		12/20/2011		001H	2	Cu	38.1					
47												
48		10/3/2011		001H	1	Ni	15.0					12
49		12/20/2011		001H	2	Ni	9.4					
50												
51		10/3/2011		001H	1	Pb	11.2					<10
52		12/20/2011		001H	2	Pb	6.7					
53												
54		10/3/2011		001H	1	Zn	8.9					DNQ(9)
55		12/20/2011		001H	2	Zn	9.3					
56												
57		10/3/2011		001H	1	Hg	ND					ND
58		12/20/2011		001H	2	Hg	ND					
59												
60												
61												
62		10/5/2011		001L	1	Ag	<5					ND
63		12/21/2011		001L	2	Ag	<5					
64												
65		10/5/2011		001L	1	Cd	<5					ND
66		12/21/2011		001L	2	Cd	<5					
67												
68		10/5/2011		001L	1	Cr	<5					ND
69		12/21/2011		001L	2	Cr	<5					
70												
71		10/5/2011		001L	1	Cu	<5					ND
72		12/21/2011		001L	2	Cu	<5					
73												
74		10/5/2011		001L	1	Ni	<5					ND
75		12/21/2011		001L	2	Ni	<5					
76												
77		10/5/2011		001L	1	Pb	<5					ND
78		12/21/2011		001L	2	Pb	<5					
79												
80		10/5/2011		001L	1	Zn	<5					ND
81		12/21/2011		001L	2	Zn	<5					
82												
83		10/5/2011		001L	1	Hg	ND					ND
84		12/21/2011		001L	2	Hg	ND					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Navigation															
2		Chlorine for eSMR			31-day month											
3																
4		FILL IN ONLY SHADED/COLORED CELLS														
5																
6		Date														
7		10/1/2011	10/2/2011	10/3/2011	10/4/2011	10/5/2011	10/6/2011	10/7/2011	10/8/2011	10/9/2011	10/10/2011	10/11/2011	10/12/2011	10/13/2011	10/14/2011	10/15/2011
8	Unit 1 TRC (ppb)	14	14	25	17	12	27	30	27	33	36	43	25	21	30	25
9		13	16	23	17	13	25	27	25	33	15	36	27	25	30	23
10		12	14	27	21	17	33	30	27	33	12	43	33	25	27	23
11		14	16	16	17	23	27	25	30	33	9	30	21	25	25	25
12		11	25	14	16	19	27	30	30	25	11	25	23	27	25	21
13		17	21	14	17	23	27	25	30	33	15	27	21	30	25	25
14	Unit 1 Cl2 Use (lbs)	345.6	345.6	345.6	345.6	345.6	338.4	331.2	331.2	331.2	199.2	316.8	295.2	288	288	288
15	Unit 2 TRC (ppb)	21	21	26	18	12	26	23	26	26	28	28	31	31	28	23
16		18	21	26	16	13	26	23	26	31	34	31	31	31	28	19
17		18	18	26	16	13	28	23	26	26	25	28	28	20	26	23
18		19	21	18	12	19	26	26	26	26	23	31	28	26	26	26
19		16	26	15	12	19	23	26	26	26	25	31	28	31	23	23
20		19	23	16	13	23	23	23	26	26	34	31	31	28	26	26
21	Unit 2 Cl2 Use (lbs)	345.6	345.6	345.6	345.6	345.6	331.2	316.8	316.8	316.8	316.8	316.2	316.8	316.8	316.8	316.8
22																
23		17	25	27	21	23	33	30	30	33	36	43	33	30	30	25
24		21	26	26	18	23	28	26	26	31	34	31	31	31	28	26
25	Daily Maximum TRC (ppb)	**21**	**26**	**27**	**21**	**23**	**33**	**30**	**30**	**33**	**36**	**43**	**33**	**31**	**30**	**26**
26	Daily Cl2 Use (lbs)	**691**	**691**	**691**	**691**	**691**	**670**	**648**	**648**	**648**	**516**	**633**	**612**	**605**	**605**	**605**
27																
28																
29																
30																
31																

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1																	
2																	
3																	
4																	
5																	
6																	
7	**10/16/2011**	**10/17/2011**	**10/18/2011**	**10/19/2011**	**10/20/2011**	**10/21/2011**	**10/22/2011**	**10/23/2011**	**10/24/2011**	**10/25/2011**	**10/26/2011**	**10/27/2011**	**10/28/2011**	**10/29/2011**	**10/30/2011**	**10/31/2011**	
8	19	19	25	33	30	27	25	12	<10	<10	<10	11	11	<10	<10	<10	
9	17	23	25	30	38	30	30	11	<10	<10	11	11	11	<10	<10	11	
10	17	21	25	30	30	19	17	11	<10	11	<10	11	12	<10	<10	12	
11	19	25	23	30	14	14	16	<10	<10	<10	<10	13	11	<10	<10	13	
12	17	25	16	30	16	17	<10	<10	<10	<10	<10	12	11	<10	<10	13	
13	19	25	23	30	21	17	11	<10	<10	<10	11	<10	11	<10	<10	12	
14	288	288	288	288	288	288	288	288	288	302.4	326.4	345.6	345.6	345.6	345.6	352.8	
15	18	21	32	31	37	34	31	15	13	15	15	16	11	10	<10	<10	
16	23	18	28	34	37	37	31	18	18	16	15	16	11	<10	<10	<10	
17	21	19	28	34	31	23	21	15	18	15	15	16	12	<10	<10	11	
18	21	32	19	28	23	21	21	15	18	16	13	16	12	<10	<10	10	
19	21	32	16	31	23	21	16	15	13	12	15	12	10	<10	<10	11	
20	26	32	26	34	28	23	18	18	13	12	15	10	10	<10	<10	12	
21	316.8	316.8	316.8	302.4	288	288	288	288	288	288	288	288	288	288	288	288	
22																	
23	19	25	25	33	38	30	30	12	0	11	11	13	12	0	0	13	
24	26	32	32	34	37	37	31	18	18	16	15	16	12	10	0	12	
25	**26**	**32**	**32**	**34**	**38**	**37**	**31**	**18**	**18**	**16**	**15**	**16**	**12**	**10**	**0**	**13**	
26	**605**	**605**	**605**	**590**	**576**	**576**	**576**	**576**	**576**	**590**	**614**	**634**	**634**	**634**	**634**	**641**	
27														Chlorine	(ppb)	(lbs/day)	
28														Monthly Average	**26**	**623**	
29								MONTHLY CHLORINE USE:		19,310	lbs.			Maximum	**43**	**691**	
30														Minimum	**0**	**516**	
31														Verify that values have correct references.			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Navigation															
2		Chlorine for eSMR														
3																
4		FILL IN ONLY SHADED/COLORED CELLS														
5																
6		Date														
7		11/1/2011	11/2/2011	11/3/2011	11/4/2011	11/5/2011	11/6/2011	11/7/2011	11/8/2011	11/9/2011	11/10/2011	11/11/2011	11/12/2011	11/13/2011	11/14/2011	11/15/2011
8	Unit 1 TRC (ppb)	14	14	23	<10	17	21	21	25	19	19	14	16	19	17	16
9		13	<10	14	12	21	21	25	39	19	14	14	16	16	16	16
10		12	11	16	14	21	21	36	30	16	19	13	14	19	14	13
11		<10	17	11	14	21	17	27	23	21	17	14	13	16	17	<10
12		<10	17	11	14	25	19	30	21	19	14	14	14	16	14	12
13		<10	17	<10	14	21	23	27	21	19	14	14	17	16	16	11
14	Unit 1 Cl2 Use (lbs)	360	360	360	360	360	360	345.6	331.2	331.2	331.2	331.2	331.2	331.2	316.8	302.4
15	Unit 2 TRC (ppb)	12	13	13	12	12	15	18	16	11	13	18	12	18	13	18
16		12	12	12	12	15	15	16	13	10	15	16	12	16	10	19
17		12	11	12	12	15	15	21	13	<10	15	18	11	11	<10	16
18		10	10	<10	12	15	13	18	11	13	23	15	16	11	18	16
19		10	11	10	12	15	15	19	11	13	21	12	19	<10	16	16
20		11	11	11	12	15	15	16	<10	15	19	13	18	10	16	15
21	Unit 2 Cl2 Use (lbs)	288	288	288	288	288	288	288	288	297.6	316.8	316.8	316.8	316.8	302.4	316.8
22																
23		14	17	23	14	25	23	36	39	21	19	14	17	19	17	16
24		12	13	13	12	15	15	21	16	15	23	18	19	18	18	19
25	Daily Maximum TRC (ppb)	**14**	**17**	**23**	**14**	**25**	**23**	**36**	**39**	**21**	**23**	**18**	**19**	**19**	**18**	**19**
26	Daily Cl2 Use (lbs)	**648**	**648**	**648**	**648**	**648**	**648**	**634**	**619**	**629**	**648**	**648**	**648**	**648**	**619**	**619**
27																
28																
29																
30																
31																

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1																	
2																	
3																	
4																	
5																	
6																	
7	**11/16/2011**	**11/17/2011**	**11/18/2011**	**11/19/2011**	**11/20/2011**	**11/21/2011**	**11/22/2011**	**11/23/2011**	**11/24/2011**	**11/25/2011**	**11/26/2011**	**11/27/2011**	**11/28/2011**	**11/29/2011**	**11/30/2011**		
8	12	14	12	12	12	<10	12	13	<10	<10	12	12	12	16	17		
9	14	14	12	12	<10	<10	12	14	11	<10	14	11	12	14	14		
10	14	12	<10	12	<10	12	14	14	12	<10	14	11	16	14	14		
11	14	<10	<10	12	<10	12	16	14	12	12	12	11	12	16	14		
12	13	<10	<10	<10	<10	12	14	13	<10	14	13	<10	14	17	16		
13	14	<10	<10	<10	<10	11	14	12	<10	13	13	12	14	17	17		
14	316.8	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	312	331.2	331.2		
15	18	15	12	11	<10	<10	15	12	12	13	15	16	18	19	13		
16	15	15	13	11	<10	10	15	12	13	15	19	16	18	19	12		
17	11	13	12	11	<10	16	15	13	12	16	16	18	21	18	10		
18	18	13	10	<10	10	15	15	16	16	16	19	16	18	18	16		
19	16	13	10	10	10	13	13	16	16	18	21	18	19	16	18		
20	15	12	10	10	11	15	13	12	15	16	19	18	21	18	19		
21	331.2	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8		
22																	
23	14	14	12	12	12	12	16	14	12	14	14	12	16	17	17		
24	18	15	13	11	11	16	15	16	16	18	21	18	21	19	19		
25	**18**	**15**	**13**	**12**	**12**	**16**	**16**	**16**	**16**	**18**	**21**	**18**	**21**	**19**	**19**		
26	**648**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**629**	**648**	**648**		
27													**Chlorine**	**(ppb)**	**(lbs/day)**		
28													**Monthly Average**	**19**	**633**		
29							**MONTHLY CHLORINE USE:**		**18,984**	**lbs.**			**Maximum**	**39**	**648**		
30													**Minimum**	**12**	**619**		
31													**Verify that values have correct references.**				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Navigation															
2		Chlorine for eSMR			31-day month											
3																
4		FILL IN ONLY SHADED/COLORED CELLS														
5																
6		Date														
7		12/1/2011	12/2/2011	12/3/2011	12/4/2011	12/5/2011	12/6/2011	12/7/2011	12/8/2011	12/9/2011	12/10/2011	12/11/2011	12/12/2011	12/13/2011	12/14/2011	12/15/2011
8	Unit 1 TRC (ppb)	17	19	19	21	21	25	21	21	23	<10	<10	<10	17	25	18
9		21	19	17	23	19	23	25	25	23	<10	<10	<10	19	25	18
10		25	21	19	21	23	27	25	27	27	<10	<10	<10	16	25	17
11		25	21	21	21	21	25	23	23	19	<10	<10	16	23	18	21
12		25	23	21	21	25	23	25	21	13	<10	<10	17	25	21	21
13		25	21	21	19	21	23	23	23	<10	<10	<10	19	23	21	17
14	Unit 1 Cl2 Use (lbs)	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	333.8	265.5	351	353.4	360	345.6	338.4
15	Unit 2 TRC (ppb)	18	18	16	15	15	19	19	31	34	<10	16	26	21	37	23
16		21	18	15	15	15	18	19	31	31	<10	16	26	21	34	23
17		21	18	16	15	18	18	19	31	28	<10	16	23	19	28	26
18		21	21	18	12	18	18	26	31	31	<10	28	21	28	28	31
19		21	18	15	13	19	18	28	34	30	16	28	21	34	28	21
20		19	18	15	13	18	16	28	28	30	16	31	23	34	34	21
21	Unit 2 Cl2 Use (lbs)	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	319.5	251.3	333	342	353.1	352.8	345.6
22																
23		25	23	21	23	25	27	25	27	27	0	0	19	25	25	21
24		21	21	18	15	19	19	28	34	34	16	31	26	34	37	31
25	Daily Maximum TRC (ppb)	**25**	**23**	**21**	**23**	**25**	**27**	**28**	**34**	**34**	**16**	**31**	**26**	**34**	**37**	**31**
26	Daily Cl2 Use (lbs)	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**653**	**517**	**684**	**695**	**713**	**698**	**684**
27																
28																
29																
30																
31																

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1																	
2																	
3																	
4																	
5																	
6																	
7	12/16/2011	12/17/2011	12/18/2011	12/19/2011	12/20/2011	12/21/2011	12/22/2011	12/23/2011	12/24/2011	12/25/2011	12/26/2011	12/27/2011	12/28/2011	12/29/2011	12/30/2011	12/31/2011	
8	17	14	16	13	16	19	21	21	21	17	17	27	25	30	30	30	
9	14	14	13	13	16	17	19	21	19	16	17	30	27	25	27	30	
10	17	14	13	16	19	16	17	21	19	17	17	25	25	25	30	30	
11	14	13	13	21	17	19	23	19	17	16	22	30	23	23	30	27	
12	13	12	16	17	17	17	19	21	17	17	23	25	25	23	30	30	
13	13	13	14	17	17	21	23	21	17	21	25	27	25	23	30	27	
14	345.6	345.6	345.6	316.8	278.4	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	266.4	273.6	273.6	
15	21	21	18	16	31	31	37	28	31	26	26	37	26	34	34	37	
16	21	21	18	18	26	34	34	37	31	21	26	34	28	34	34	37	
17	19	21	18	16	34	34	34	34	31	21	26	31	26	34	37	37	
18	19	19	18	28	28	31	34	31	26	26	34	28	31	31	37	34	
19	18	19	18	26	28	34	31	34	26	26	34	31	34	31	37	34	
20	21	18	16	26	31	34	31	34	26	31	37	34	34	34	37	34	
21	345.6	345.6	345.6	331.2	312	302.4	288	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	
22																	
23	17	14	16	21	19	21	23	21	21	21	25	30	27	30	30	30	
24	21	21	18	28	34	34	37	37	31	31	37	37	34	34	37	37	
25	**21**	**21**	**18**	**28**	**34**	**34**	**37**	**37**	**31**	**31**	**37**	**37**	**34**	**34**	**37**	**37**	
26	**691**	**691**	**691**	**648**	**590**	**562**	**547**	**533**	**533**	**533**	**533**	**533**	**533**	**540**	**547**	**547**	
27														Chlorine	(ppb)	(lbs/day)	
28														Monthly Average	**30**	**616**	
29							MONTHLY CHLORINE USE:			19,081	lbs.			Maximum	**37**	**713**	
30														Minimum	**16**	**517**	
31													Verify that values have correct references.				

Navigation

LRW TSS Data

2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.
Results are reported to the Water Board to whole numbers only (no tenths).

System	Batch	Tank	Volume	Discharge Date	Status	Filter 1	Filter 2	Net TSS	TSS for avg.	Weight	Weighted TSS	Unused Volumes
LRW	73	PWR 0-2	6760	10/7/2011 12:30	O	1		<2	0	0.13	0.00	
LRW	74	CDT 0-2	549	10/12/2011 10:05	O	23	4	19	20	0.01	0.22	
LRW		CDT 0-2 dup				22	2	20				
LRW	75	PWR 0-2		10/14/2011 7:00	O							11075
LRW	76	LDT 0-1	15137	10/25/2011 9:22	O	1		<2	0	0.30	0.00	
LRW		LDT 0-1 dup				0.8		<2				
LRW	77	PWR 0-1	10787	10/26/2011 9:37	O	0.6		<2	0	0.21	0.00	
LRW	78	LDT 0-2	16720	10/27/2011 9:01	O	1.0		<2	0	0.33	0.00	
LRW		LDT 0-2 dup				0.9		<2				
LRW	79	CDT 0-1	527	10/28/2011 7:10		28.3	0	28.3	25.55	0.01	0.27	
LRW		CDT 0-1 dup				24.0	1.2	22.8				

1.00

total volume of sampled tanks: 50,480

Monthly LRW TSS Average: 0.48

Report <5

G&O Data

1.4 mg/L is MDL. 5.0 mg/L is Reporting Limit.
Results are reported to the Water Board to the nearest tenth mg/L.

System	Batch	Tank	Volume	Discharge Date	Status	Result	G&O for avg.	Weight	W. G&O	Unused Volumes
LRW	73	PWR 0-2	6760	10/7/2011 12:30	O	2.8	2.8	0.17	0.48	
LRW	74	CDT 0-2	549	10/12/2011 10:05	O	10.9	10.9	0.01	0.15	
LRW	75	PWR 0-2		10/14/2011 7:00	O			0.00	0.00	11075
LRW	76	LDT 0-1	15137	10/25/2011 9:22	O	4.0	4.0	0.39	1.55	
LRW	77	PWR 0-1		10/26/2011 9:37	O			0.00	0.00	10787
LRW	78	LDT 0-2	16720	10/27/2011 9:01	O	4.7	4.7	0.43	2.01	
LRW	79	CDT 0-1	527	10/28/2011 7:10		3	3.0	0.01	0.04	

total volume of sampled tanks: 39,166

1.00

Monthly G&O Average: 4.2

Report <5 because CDT 0-2 result >RL disallows use of DNQ(4.2)

Single-Day Eval | DATE | None

System	Tank	Volume	Discharge Date	TSS	Vol	TSS*Vol
LRW					0	0
LRW					0	0
LRW					0	0
LRW					0	0
LRW					0	0
				sums	0	0

TSS weighted average for this day: #DIV/0!

Navigation

LRW TSS Data

2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.
Results are reported to the Water Board to whole numbers only (no tenths).

System	Batch	Tank	Volume	Discharge Date	Status	Filter 1	Filter 2	Net TSS	TSS for avg.	Weight	Weighted TSS	Unused Volumes
LRW	81	PWR 0-1	10652	11/16/2011 9:55	O	<2	#NA	<2	0.0	0.50	0.00	
	82	PWR 0-2	10068	11/21/2011 13:58		0.4	#NA	<2	0.0	0.47	0.00	
	83	CDT 0-2	500	11/23/2011 10:10	O	21.6	1.6	20.0	19.0	0.02	0.448	
		CDT 02 dup				20.0	2.0	18.0				
	84	PWR 0-1		11/29/2011 9:39	O							9924
										1.00		
				total volume of sampled tanks:	21,220							

Monthly LRW TSS Average: 0.4

Single-Day Eval | DATE | None

Report this as <5 because of CDT 0-2 values was greater than RL.

System	Tank	Volume	Discharge Date	TSS	Vol	TSS*Vol
LRW					0	0
LRW					0	0
LRW					0	0
LRW					0	0
LRW					0	0
				sums	0	0

TSS weighted average for this day: #DIV/0!

G&O Data

1.4 mg/L is MDL. 5.0 mg/L is Reporting Limit.
Results are reported to the Water Board to the nearest tenth mg/L.

System	Batch	Tank	Volume	Discharge Date	Status	Result	G&O for avg.	Weight	W. G&O	Unused Volumes
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
		total volume of sampled tanks:		0				#DIV/0!		

Monthly G&O Average: #DIV/0!

Navigation

LRW TSS Data

2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.
Results are reported to the Water Board to whole numbers only (no tenths).

System	Batch	Tank	Volume	Discharge Date	Status	Filter 1	Filter 2	Net TSS	TSS for avg.	Weight	Weighted TSS	Unused Volumes
	85	CDT 0-1	483	12/19/2011 9:56	O	44.0	3.0	41.0	40.8	0.40	16.37	
		CDT 0-1 dup				41.1	0.6	40.5				
	86	PWR 0-1	719	12/20/2011 9:45	O	0.0	#N/A	<2	0.0	0.60	0.00	
										0.00	0.00	
										0.00	0.00	
										0.00	0.00	
				total volume of sampled tanks:	1,202					1.00		

Monthly LRW TSS Average: 16.37

Single-Day Eval | DATE | None | Report as 16 due to CDT 0-1

System	Tank	Volume	Discharge Date	TSS	Vol	TSS*Vol
LRW					0	0
LRW					0	0
LRW					0	0
LRW					0	0
LRW					0	0
				sums	0	0

TSS weighted average for this day: #DIV/0!

G&O Data

1.4 mg/L is MDL. 5.0 mg/L is Reporting Limit.
Results are reported to the Water Board to the nearest tenth mg/L.

System	Batch	Tank	Volume	Discharge Date	Status	Result	G&O for avg.	Weight	W. G&O	Unused Volumes
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
LRW								#DIV/0!	#DIV/0!	
								#DIV/0!	#DIV/0!	
		total volume of sampled tanks:		0				#DIV/0!		

Monthly G&O Average: #DIV/0!

	A	B	C	D	E	F	G
1	Navigation						
2							
3		**001N Monthly Average Calculations**					
4		**NOTE: Values <Reporting Limit are treated as 0 when averaged.**					
5							
6		**FILL IN ONLY SHADED/COLORED AREAS!**					
7							
8		**1.4 mg/L is O&G Method 1664 MDL. 5.0 mg/L is O&G Method 1664 Reporting Limit.**					
9		**Results are reported to the Water Board to the nearest tenth mg/L.**					
10							
11		**Oil and Grease (mg/L)**					
12							
13		**Day**	**Result**	**Result for Average**	**Average Qualifier**	**Daily Average**	**Report Monthly Average**
14		10/6/2011	2.8	3.7	DNQ	3.7	DNQ (2.0)
15			4.6				
16			3.7				
17		10/18/2011	ND(1.4)	1.2	DNQ	1.4	**Daily Maximum**
18			1.6				3.7
19			2				
20		10/13/2011	3.2	1.1	DNQ	1.4	
21			ND(1.4)				**Numeric Average**
22			ND(1.4)				2.0
23		10/26/2011	ND(1.4)	1.5	DNQ	1.5	
24			4.4				
25			ND(1.4)				
26							
27							
28							
29							
30							
31		**Total Suspended Solids (mg/L)**					
32							
33		**Day**	**Result**	**Result for Average**		**Monthly Average**	
34		10/6/2011	6	6		11	
35		10/18/2011	15	15			
36		10/13/2011	12	12		**Daily Maximum**	
37		10/26/2011	9	9		15	
38							
39							
40							
41		**Settleable Solids (ml/L)**					
42							
43		**Day**	**Result**	**Daily Average**		**Monthly Average**	
44		10/6/2011	ND(0.1)	0		ND(0.1)	
45		10/18/2011	ND(0.1)	0			
46		10/13/2011	ND(0.1)	0		**Daily Maximum**	
47		10/26/2011	ND(0.1)	0		0	
48							

	A	B	C	D	E	F	G
1	Navigation						
2							
3		001N Monthly Average Calculations					
4		NOTE: Values <Reporting Limit are treated as 0 when averaged.					
5							
6		FILL IN ONLY SHADED/COLORED AREAS!					
7							
8		1.4 mg/L is O&G Method 1664 MDL. 5.0 mg/L is O&G Method 1664 Reporting Limit.					
9		Results are reported to the Water Board to the nearest tenth mg/L.					
10							
11		Oil and Grease (mg/L)					
12							
13		Day	Result	Result for Average	Average Qualifier	Daily Average	Monthly Average
14		11/2/2011	ND(1.4)	1.0	DNQ	1.0	DNQ(1.4)
15			1.6				
16			1.5				
17		11/11/2011	ND(1.4)	0.7	DNQ	0.7	Daily Maximum
18			2.0				1.0
19			ND(1.4)				
20		11/15/2011	2.1	0.7	DNQ	0.7	
21			ND(1.4)				Numeric Average
22			ND(1.4)				0.9
23		11/22/2011	1.4	1.0	DNQ	1.0	
24			ND(1.4)				
25			1.6				
26							
27							
28							
29							
30							
31		Total Suspended Solids (mg/L)					
32							
33		Day	Result	Result for Average		Monthly Average	
34		11/2/2011	9	9		7	
35		11/11/2011	8	8			
36		11/15/2011	6	6		Daily Maximum	
37		11/22/2011	5	5		9	
38							
39							
40							
41		Settleable Solids (ml/L)					
42							
43		Day	Result	Daily Average		Monthly Average	
44		11/2/2011	ND(0.1)	0		ND(0.1)	
45		11/11/2011	ND(0.1)	0			
46		11/15/2011	ND(0.1)	0		Daily Maximum	
47		11/22/2011	ND(0.1)	0		0	
48							

	A	B	C	D	E	F	G
1	Navigation						
2		**001N Monthly Average Calculations**					
3		**NOTE: Values <Reporting Limit are treated as 0 when averaged.**					
4							
5		**FILL IN ONLY SHADED/COLORED AREAS!**					
6							
7		**1.4 mg/L is O&G Method 1664 MDL. 5.0 mg/L is O&G Method 1664 Reporting Limit.**					
8		**Results are reported to the Water Board to the nearest tenth mg/L.**					
9							
10		**Oil and Grease (mg/L)**					
11		**To correctly feed conditional average, enter ND(1.4) for results that are non-detect.**					
12							
13		**Day**	**Result**	**Result for Average**	**Average Qualifier**	**Daily Average**	**Monthly Average**
14		12/1/2011	ND(1.4)	1.4	DNQ	1.4	DNQ(1.4)
15			1.8				
16			2.3				
17		12/8/2011	ND(1.4)	1.4	DNQ	1.2	**Daily Maximum**
18			3.5				1.4
19			ND(1.4)				
20		12/13/2011	2.1	1.4	DNQ	1.4	
21			ND(1.4)				
22			ND(1.4)				
23		12/22/2011	ND(1.4)	1.4	DNQ	1.4	
24			1.9				
25			2.1				
26		12/27/2011	ND(1.4)	1.4	DNQ	1.4	
27			ND(1.4)				
28			1.4				
29							
30							
31		**Total Suspended Solids (mg/L)**					
32							
33		**Day**	**Result**	**Result for Average**		**Monthly Average**	
34		12/1/2011	8	8		7	
35		12/8/2011	9	9			
36		12/13/2011	5	5		**Daily Maximum**	
37		12/22/2011	6	6		9	
38		12/27/2011	6	6			
39							
40							
41		**Settleable Solids (ml/L)**					
42							
43		**Day**	**Result**	**Daily Average**		**Monthly Average**	
44		12/1/2011	ND(0.1)	0		ND(0.1)	
45		12/8/2011	ND(0.1)	0			
46		12/13/2011	ND(0.1)	0		**Daily Maximum**	
47		12/22/2011	ND(0.1)	0		0	
48		12/27/2011	ND(0.1)	0			

	A	B	C	D	E	F	G	H	I	J	K	L
1	Navigation											
2												
3		**Miscellaneous Daily Duplicate and Daily Average Calculations for Monthly eSMR**										
4												
5												
6		**Date**	**Time**	**Analysis Date**	**Location**	**Parameter**	**Result 1**	**Result 2**	**Result 3**	**Result 4**	**Average Result for Day**	
7												
8		10/12/2011	7:58	10/12/11	001P	pH	7.67	7.69			7.7	
9												
10		10/13/2011	12:05	10/13/11	002	pH	7.9	7.8			7.9	
11												
12												
13		**TSS Calculations for Monthly eSMR (mg/L)**										
14												
15		**2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.**										
16		**Results are reported to the Water Board to whole numbers only (no tenths).**										
17												
18		**Date**	**Time**	**Analysis Date**	**Location**	**Unit**	**Sample TSS**	**Filtrate TSS**	**Net TSS**	**Eff. for Avg.**	**Average**	
19												
20		10/4/2011	14:55	10/5/2011	001F	N/A	1.4	0.1	<2	0	ND	
21					001F	N/A	1.4	0.1	<2	0		
22												
23		10/2/2011	10:15	10/2/11	001H	1	0.1	0.0	<2	0	DNQ(2)	
24		10/2/2011	16:40	10/2/11	001H	2	5.3	2.5	2.8	0		
25												
26		10/4/2011	13:57	10/4/2011	001L	1	0.0		<2	0	ND	
27		10/4/2011	14:02	10/4/2011	001L	2	0.0		<2	0		
28												
29		10/12/2011	7:58	10/12/2011	001P	N/A	4.0	0.8	3.2	0	8	
30		10/12/2011	10:26	10/12/2011	001P	N/A	24.4	0.1	24.3	24		
31		10/12/2011	13:30	10/12/2011	001P	N/A	1.4	1.2	<2	0		
32												
33		10/13/2011	12:05	10/13/11	002	1	3.8	0.6	3.2	0	<5	
34		10/13/2011	12:10	10/13/11	002	2	5.6	0.4	5.2	5		
35												
36		10/13/2011	8:50	10/13/11	003	N/A	6.4	0.5	5.9	6	6	
37					003	N/A	6.9	0.5	6.4	6		

	A	B	C	D	E	F	G	H	I	J	K
1	Navigation										
2											
3		**Miscellaneous Daily Duplicate and Daily Average Calculations for Monthly eSMR**									
4											
5											
6		**Date**	**Time**	**Analysis Date**	**Location**	**Parameter**	**Result 1**	**Result 2**	**Result 3**	**Result 4**	**Average Result for Day**
7											
8		11/7/2011	8:12	11/7/11	001P	pH	7.91	7.93			7.9
9											
10		11/8/2011	12:43	11/8/11	002	pH	7.8	8.0			7.9
11											
12											
13		**TSS Calculations for Monthly eSMR (mg/L)**									
14											
15		**2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.**									
16		**Results are reported to the Water Board to whole numbers only (no tenths).**									
17											
18		**Date**	**Time**	**Analysis Date**	**Location**	**Unit**	**Sample TSS**	**Filtrate TSS**	**Net TSS**	**Eff. for Avg.**	**Average**
19											
20		11/3/2011	8:04	11/3/2011	001F	N/A	2.0	0.1	<2	0	ND
21		11/3/2011	8:04	11/3/2011	001F	N/A	2.1	0.3	<2	0	
22											
23		11/1/2011	2:18	11/1/11	001H	1	-0.1	-0.2	<2	0	ND
24		11/1/2011	21:05	11/1/11	001H	2	2.2	1.6	<2	0	
25											
26		11/1/2011	13:13	11/1/11	001G	N/A	0.3	N/A	<2	0	ND
27											
28		11/2/2011	12:56	11/3/2011	001L	1	0.0	N/A	<2	0	ND
29		11/1/2011	8:23	11/2/2011	001L	2	0.0	N/A	<2	0	
30											
31		11/7/2011	8:12	11/7/2011	001P	N/A	28.9	0.8	28.1	28	9
32		11/7/2011	11:00	11/7/2011	001P	N/A	3.5	1.2	2.3	0	
33		11/7/2011	13:43	11/7/2011	001P	N/A	3.6	0.6	3.0	0	
34											
35		11/8/2011	12:30	11/9/11	002	1	2.1	0.7	<2	0	DNQ(2)
36		11/8/2011	12:43	11/9/11	002	2	2.8	0.4	2.4	0	
37											
38		11/8/2011	12:15	11/8/11	003	N/A	6.5	1.1	5.4	5	5
39		11/8/2011	12:15	11/8/11	003	N/A	5.8	1.0	4.8	5	

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Navigation												
2													
3		**Miscellaneous Daily Duplicate and Daily Average Calculations for Monthly eSMR**											
4													
5													
6		**Date**	**Time**	**Analysis Date**	**Location**	**Parameter**	**Result 1**	**Result 2**	**Result 3**	**Result 4**	**Average Result for Day**		
7													
8		12/5/2011	10:42	12/5/11	001P	pH	7.6	7.6			7.6		
9													
10		12/6/2011	0:00	12/6/11	002	pH	8.4	8.4			8.4		
11													
12													
13		**TSS Calculations for Monthly eSMR (mg/L)**											
14													
15		**2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.**											
16		**Results are reported to the Water Board to whole numbers only (no tenths).**											
17													
18		**Date**	**Time**	**Analysis Date**	**Location**	**Unit**	**Sample TSS**	**Filtrate TSS**	**Net TSS**	**Eff. for Avg.**	**Average**		
19													
20		12/8/2011	10:58	12/8/2011	001F	N/A	1.8	0.4	<2	0	10		
21		12/8/2011	10:58	12/8/2011	001F	N/A	1.7	0.8	<2				
22		12/13/2011	5:35	12/13/2011	001F	N/A	24.0	0.0	24.0	41			
23		12/13/2011	5:35	12/13/2011	001F	N/A	52.8	1.0	51.8				
24		12/13/2011	5:35	12/15/2011	001F	N/A	46.9	0.1	46.8				
25		12/19/2011	12:29	12/19/2011	001F	N/A	2.1	0.1	2.0	0			
26		12/20/2011	11:08	12/20/2011	001F	N/A	1.8	0.0	<2	0			
27													
28													
29		12/1/2011	10:25	12/1/11	001H	1	1.6	2.1	<2	0	ND(2)		
30		12/4/2011	22:15	12/4/11	001H	2	1.8	0.9	<2	0			
31													
32		12/2/2011	13:45	12/2/2011	001L	1	0.0	#N/A	<2	0	ND(2)		
33		12/2/2011	13:48	12/2/2011	001L	2	0.0	#N/A	<2	0			
34													
35													
36		12/5/2011	7:56	12/5/2011	001P	N/A	6.0	0.7	5.3	5	3.6	Reporting <5	
37		12/5/2011	10:42	12/5/2011	001P	N/A	6.0	0.6	5.4	5			
38		12/5/2011	14:00	12/5/2011	001P	N/A	1.7	0.8	<2	0			
39													
40		12/6/2011	12:56	12/6/11	002	1	1.2	0.3	<2	0	ND		
41		12/6/2011	13:00	12/7/11	002	2	0.4	0.0	<2	0			
42													
43		12/6/2011	12:36	12/6/11	003	N/A	3	0.6	2.4	2	DNQ(3)		
44		12/6/2011	12:36	12/6/11	003	N/A	3.1	0.6	2.5	3			

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-5928	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	14-Oct-11 16:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1104829-01	Water	06-Oct-11 09:35	06-Oct-11 17:10
Decant Arm	1104829-02	Water	06-Oct-11 09:53	06-Oct-11 17:10
Decant Arm	1104829-03	Water	06-Oct-11 10:11	06-Oct-11 17:10

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-5928	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	14-Oct-11 16:22

Decant Arm
1104829-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**2.8**	1.4	5.0	mg/L	1	A110246	13-Oct-11	14-Oct-11	EPA 1664	J

Decant Arm
1104829-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**4.6**	1.4	5.0	mg/L	1	A110246	13-Oct-11	14-Oct-11	EPA 1664	J

Decant Arm
1104829-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**3.7**	1.4	5.0	mg/L	1	A110246	13-Oct-11	14-Oct-11	EPA 1664	J

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6109	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	20-Oct-11 15:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm #1	1104943-01	Water	13-Oct-11 09:58	13-Oct-11 15:50
Decant Arm #2	1104943-02	Water	13-Oct-11 10:13	13-Oct-11 15:50
Decant Arm	1104943-03	Water	13-Oct-11 10:28	13-Oct-11 15:50

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6109	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	20-Oct-11 15:10

Decant Arm #1
1104943-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**3.2**	1.4	5.0	mg/L	1	A110384	19-Oct-11	20-Oct-11	EPA 1664	J

Decant Arm #2
1104943-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A110384	19-Oct-11	20-Oct-11	EPA 1664	

Decant Arm
1104943-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A110384	19-Oct-11	20-Oct-11	EPA 1664	

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6206	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	25-Oct-11 12:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105032-01	Water	18-Oct-11 09:54	18-Oct-11 15:55
Decant Arm	1105032-02	Water	18-Oct-11 10:12	18-Oct-11 15:55
Decant Arm	1105032-03	Water	18-Oct-11 10:27	18-Oct-11 15:55

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6206	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	25-Oct-11 12:11

Decant Arm
1105032-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A110448	24-Oct-11	25-Oct-11	EPA 1664	

Decant Arm
1105032-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**1.6**	1.4	5.0	mg/L	1	A110448	24-Oct-11	25-Oct-11	EPA 1664	J

Decant Arm
1105032-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**2.0**	1.4	5.0	mg/L	1	A110448	24-Oct-11	25-Oct-11	EPA 1664	J

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6390	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	02-Nov-11 14:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105147-01	Water	26-Oct-11 09:40	26-Oct-11 15:15
Decant Arm	1105147-02	Water	26-Oct-11 09:55	26-Oct-11 15:15
Decant Arm	1105147-03	Water	26-Oct-11 10:10	26-Oct-11 15:15

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6390	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	02-Nov-11 14:37

Decant Arm
1105147-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A111017	01-Nov-11	02-Nov-11	EPA 1664	

Decant Arm
1105147-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**4.4**	1.4	5.0	mg/L	1	A111017	01-Nov-11	02-Nov-11	EPA 1664	J

Decant Arm
1105147-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A111017	01-Nov-11	02-Nov-11	EPA 1664	

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6553	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	10-Nov-11 16:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105250-01	Water	02-Nov-11 09:54	02-Nov-11 16:22
Decant Arm	1105250-02	Water	02-Nov-11 10:06	02-Nov-11 16:22
Decant Arm	1105250-03	Water	02-Nov-11 10:21	02-Nov-11 16:22

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6553	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	10-Nov-11 16:21

Decant Arm
1105250-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A111131	08-Nov-11	09-Nov-11	EPA 1664	

Decant Arm
1105250-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**1.6**	1.4	5.0	mg/L	1	A111131	08-Nov-11	09-Nov-11	EPA 1664	J

Decant Arm
1105250-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**1.5**	1.4	5.0	mg/L	1	A111131	08-Nov-11	09-Nov-11	EPA 1664	J

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6786	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	21-Nov-11 10:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105411-01	Water	11-Nov-11 09:00	11-Nov-11 16:40
Decant Arm	1105411-02	Water	11-Nov-11 09:15	11-Nov-11 16:40
Decant Arm	1105411-03	Water	11-Nov-11 09:30	11-Nov-11 16:40

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6786	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	21-Nov-11 10:58

Decant Arm
1105411-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A111323	17-Nov-11	18-Nov-11	EPA 1664	

Decant Arm
1105411-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**2.0**	1.4	5.0	mg/L	1	A111323	17-Nov-11	18-Nov-11	EPA 1664	J

Decant Arm
1105411-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A111323	17-Nov-11	18-Nov-11	EPA 1664	

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6834	Reported:
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	23-Nov-11 13:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105446-01	Water	15-Nov-11 09:04	15-Nov-11 16:50
Decant Arm	1105446-02	Water	15-Nov-11 09:22	15-Nov-11 16:50
Decant Arm	1105446-03	Water	15-Nov-11 09:57	15-Nov-11 16:50

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6834	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	23-Nov-11 13:57

Decant Arm
1105446-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**2.1**	1.4	5.0	mg/L	1	A111409	22-Nov-11	23-Nov-11	EPA 1664	J

Decant Arm
1105446-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A111409	22-Nov-11	23-Nov-11	EPA 1664	

Decant Arm
1105446-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A111409	22-Nov-11	23-Nov-11	EPA 1664	

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6984	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	30-Nov-11 17:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105586-01	Water	22-Nov-11 09:52	22-Nov-11 16:20
Decant Arm	1105586-02	Water	22-Nov-11 10:07	22-Nov-11 16:20
Decant Arm	1105586-03	Water	22-Nov-11 10:22	22-Nov-11 16:20

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-6984	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	30-Nov-11 17:31

Decant Arm
1105586-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**1.4**	1.4	5.0	mg/L	1	A111510	29-Nov-11	30-Nov-11	EPA 1664	J

Decant Arm
1105586-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A111510	29-Nov-11	30-Nov-11	EPA 1664	

Decant Arm
1105586-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**1.6**	1.4	5.0	mg/L	1	A111510	29-Nov-11	30-Nov-11	EPA 1664	J

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7166	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	09-Dec-11 15:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105725-01	Water	01-Dec-11 09:54	01-Dec-11 16:20
Decant Arm	1105725-02	Water	01-Dec-11 10:09	01-Dec-11 16:20
Decant Arm	1105725-03	Water	01-Dec-11 10:24	01-Dec-11 16:20

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7166	Reported:
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	09-Dec-11 15:56

Decant Arm
1105725-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A112164	08-Dec-11	09-Dec-11	EPA 1664	

Decant Arm
1105725-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**1.8**	1.4	5.0	mg/L	1	A112164	08-Dec-11	09-Dec-11	EPA 1664	J

Decant Arm
1105725-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**2.3**	1.4	5.0	mg/L	1	A112164	08-Dec-11	09-Dec-11	EPA 1664	J

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7371	Reported:
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	16-Dec-11 17:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105905-01	Water	08-Dec-11 10:06	09-Dec-11 16:25
Decant Arm	1105905-02	Water	08-Dec-11 10:18	09-Dec-11 16:25
Decant Arm	1105905-03	Water	08-Dec-11 10:33	09-Dec-11 16:25

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7371	Reported:
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	16-Dec-11 17:08

Decant Arm
1105905-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A112316	15-Dec-11	16-Dec-11	EPA 1664	

Decant Arm
1105905-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**3.5**	1.4	5.0	mg/L	1	A112316	15-Dec-11	16-Dec-11	EPA 1664	J

Decant Arm
1105905-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A112316	15-Dec-11	16-Dec-11	EPA 1664	

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7430	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	20-Dec-11 17:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1105933-01	Water	13-Dec-11 10:57	13-Dec-11 16:00
Decant Arm	1105933-02	Water	13-Dec-11 11:09	13-Dec-11 16:00
Decant Arm	1105933-03	Water	13-Dec-11 11:24	13-Dec-11 16:00

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7430	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	20-Dec-11 17:23

Decant Arm
1105933-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**2.1**	1.4	5.0	mg/L	1	A112368	19-Dec-11	20-Dec-11	EPA 1664	J

Decant Arm
1105933-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A112368	19-Dec-11	20-Dec-11	EPA 1664	

Decant Arm
1105933-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A112368	19-Dec-11	20-Dec-11	EPA 1664	

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7644	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	03-Jan-12 08:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1106104-01	Water	22-Dec-11 07:22	22-Dec-11 16:40
Decant Arm	1106104-02	Water	22-Dec-11 07:31	22-Dec-11 16:40
Decant Arm	1106104-03	Water	22-Dec-11 07:43	22-Dec-11 16:40

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7644	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	03-Jan-12 08:28

Decant Arm
1106104-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A112559	29-Dec-11	30-Dec-11	EPA 1664	

Decant Arm
1106104-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**1.9**	1.4	5.0	mg/L	1	A112559	29-Dec-11	30-Dec-11	EPA 1664	J

Decant Arm
1106104-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**2.1**	1.4	5.0	mg/L	1	A112559	29-Dec-11	30-Dec-11	EPA 1664	J

Oilfield Environmental and Compliance, INC.

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7699	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	05-Jan-12 11:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Decant Arm	1106127-01	Water	27-Dec-11 07:47	27-Dec-11 16:50
Decant Arm	1106127-02	Water	27-Dec-11 07:59	27-Dec-11 16:50
Decant Arm	1106127-03	Water	27-Dec-11 08:08	27-Dec-11 16:50

Abalone Coast Analytical, Inc.	Project: DCWWTP	
141 Suburban, Suite C-1	Project Number: 11-7699	**Reported:**
San Luis Obispo CA, 93401	Project Manager: Amanda Smith	05-Jan-12 11:00

Decant Arm
1106127-01 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A201018	03-Jan-12	04-Jan-12	EPA 1664	

Decant Arm
1106127-02 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	ND	1.4	5.0	mg/L	1	A201018	03-Jan-12	04-Jan-12	EPA 1664	

Decant Arm
1106127-03 (Water)

Analyte	Result	MDL	PQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Oilfield Environmental and Compliance										
Wet Chemistry by EPA or APHA Standard Methods										
Total Oil & Grease	**1.4**	1.4	5.0	mg/L	1	A201018	03-Jan-12	04-Jan-12	EPA 1664	J

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-5928
Date/Time Rec'd: 10/6/11 1245

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**10/6/11 0935**	Suspended Solids	SM 2540 D.	**6.00**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**10/6/11 1000**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **10/10/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-5928-1	**10/8/2011**	Suspended Solids	SM 2540D	6.	mg/L	
Duplicate	**11-5928-1**	**10/8/2011**	Suspended Solids Dup.	SM 2540D	7.	mg/L	
					Rec. 116.7%		
Blank	ASTM II water	**10/8/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-6109
Date/Time Rec'd: 10/13/11 1252

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**10/13/11 0958**	Suspended Solids	SM 2540 D.	**12.00**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**10/13/11 1015**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **10/17/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-6091-1	**10/14/2011**	Suspended Solids	SM 2540D	12.	mg/L	
Duplicate	**11-6091-1**	**10/14/2011**	Suspended Solids Dup.	SM 2540D	12.	mg/L	104.3% Rec
Blank	ASTM II water	**10/14/2011**	Suspended Solids	SM 2540D	1.0	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-6206
Date/Time Rec'd: 10/18/11 1300

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**10/18/11 0954**	Suspended Solids	SM 2540 D.	**15.**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**10/18/11 1015**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **10/19/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-6206-1	**10/19/2011**	Suspended Solids	SM 2540D	15.	mg/L	
Duplicate	**11-6206-1**	**10/19/2011**	Suspended Solids Dup.	SM 2540D	16.	mg/L	
Blank	ASTM II water	**10/19/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-6390
Date/Time Rec'd: 10/26/11 1415

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**10/26/11 0940**	Suspended Solids	SM 2540 D.	**9.00**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**10/26/11 1000**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **10/30/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-6390-1	**10/29/2011**	Suspended Solids	SM 2540D	9.	mg/L	
Duplicate	**11-6390-1**	**10/29/2011**	Suspended Solids Dup.	SM 2540D	10.	mg/L	
Blank	ASTM II water	**10/29/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-6553
Date/Time Rec'd: 11/2/11 1305

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**11/2/11 0954**	Suspended Solids	SM 2540 D.	**9.00**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**11/2/11 1012**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L

SUB Oil & Grease

Report Completion date: **11/6/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-6553-1	**11/2/2011**	Suspended Solids	SM 2540D	9.	mg/L	
Duplicate	**11-6553-1**	**11/2/2011**	Suspended Solids Dup.	SM 2540D	9.	mg/L	Dup. Rec. 100%
Blank	ASTM II water	**11/2/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-6786
Date/Time Rec'd: 11/11/11 1500

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**11/11/11 0900**	Suspended Solids	SM 2540 D.	**8.**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**11/11/11 0930**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **11/14/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-6786-1	**11/12/2011**	Suspended Solids	SM 2540D	8.	mg/L	
Duplicate	**11-6786-1**	**11/12/2011**	Suspended Solids Dup.	SM 2540D	10.	mg/L	Within PQL
Blank	ASTM II water	**11/12/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-6834
Date/Time Rec'd: 11/15/11 1318

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**11/15/11 0904**	Suspended Solids	SM 2540 D.	**6.**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**11/15/11 0920**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L

SUB Oil & Grease

Report Completion date: **11/16/11**

Reviewed: 

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-6834-1	**11/16/2011**	Suspended Solids	SM 2540D	6.	mg/L	
Duplicate	**11-6834-1**	**11/16/2011**	Suspended Solids Dup.	SM 2540D	6.	mg/L	Recovery w/in PQL
					Rec. 100%		
Blank	ASTM II water	**11/16/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-6984
Date/Time Rec'd: 11/22/11 1412

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**11/22/11 0952**	Suspended Solids	SM 2540 D.	**5.**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**11/22/11 1010**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **11/29/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-6984-1	**11/28/2011**	Suspended Solids	SM 2540D	5.	mg/L	
Duplicate	**11-6984-1**	**11/28/2011**	Suspended Solids Dup.	SM 2540D	6.	mg/L	
Blank	ASTM II water	**11/28/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-7166
Date/Time Rec'd: 12/1/11 1330

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**12/1/11 0954**	Suspended Solids	SM 2540 D.	**8.00**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**12/1/11 1015**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **12/4/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-7141-1	**12/2/2011**	Suspended Solids	SM 2540D	46.	mg/L	
Duplicate	**11-7141-1**	**12/2/2011**	Suspended Solids Dup.	SM 2540D	44.	mg/L	
					REC. 95.65%		
Blank	ASTM II water	**12/2/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-7371
Date/Time Rec'd: 12/9/11 1300

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**12/8/11 1006**	Suspended Solids	SM 2540 D.	**9.**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**12/8/11 1030**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **12/12/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-7371-1	**12/10/2011**	Suspended Solids	SM 2540D	9.	mg/L	
Duplicate	**11-7371-1**	**12/10/2011**	Suspended Solids Dup.	SM 2540D	9.	mg/L	
					Rec-100%		
Blank	ASTM II water	**12/10/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-7430
Date/Time Rec'd: 12/13/11 1412

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**12/13/11 1057**	Suspended Solids	SM 2540 D.	**5.**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**12/13/11 1115**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **12/14/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-7430-1	**12/14/2011**	Suspended Solids	SM 2540D	5.	mg/L	
Duplicate	**11-7430-1**	**12/14/2011**	Suspended Solids Dup.	SM 2540D	4.	mg/L	
					Rec. 80.0%		
Blank	ASTM II water	**12/14/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-7644
Date/Time Rec'd: 12/22/11 1220

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**12/22/11 0722**	Suspended Solids	SM 2540 D.	**6.**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**12/22/11 0730**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **12/28/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-7644-1	**12/28/2011**	Suspended Solids	SM 2540D	6.	mg/L	
Duplicate	**11-7644-1**	**12/28/2011**	Suspended Solids Dup.	SM 2540D	6.	mg/L	
					Rec. 100%		
Blank	ASTM II water	**12/28/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

Abalone Coast Analytical, Inc.
141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401
Phone: 595-1080 Fax: 595-1080

Order #: 11-7699
Date/Time Rec'd: 12/27/11 1220

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

Contact: Jim Wysong
Phone: 550-1217
Sampler: Jim Wysong

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units
-1	**Effluent Composite**	**12/27/11 0747**	Suspended Solids	SM 2540 D.	**6.**	2.8	3.	1	mg/L
-2	**Effluent Settleable**	**12/27/11 0800**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L
	SUB Oil & Grease								

Report Completion date: **12/28/11**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at or above RL
* Result detected below the RL are estimated concentration

	Description	Run Date	Test	Method	Result	Units	Difference %
	11-7699-1	**12/28/2011**	Suspended Solids	SM 2540D	6.	mg/L	
Duplicate	**11-7699-1**	**12/28/2011**	Suspended Solids Dup.	SM 2540D	7.	mg/L	
Blank	ASTM II water	**12/28/2011**	Suspended Solids	SM 2540D	<3.	mg/L	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Pacific Gas and Electric Company	**Service Request:**	K1109981
Project:	Diablo Canyon NPDES	**Date Collected:**	10/12/2011
Sample Matrix:	Ocean water	**Date Received:**	10/14/2011

Ammonia as Nitrogen

Prep Method:	CAS SOP	Units:	mg/L (ppm)
Analysis Method:	350.1	Basis:	NA
Test Notes:			

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Intake	K1109981-001	0.050	0.050	1	10/17/2011	10/18/2011	ND	
Discharge	K1109981-002	0.050	0.050	1	10/17/2011	10/18/2011	ND	
Method Blank	K1109981-MB	0.050	0.050	1	10/17/2011	10/18/2011	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Pacific Gas and Electric Company	**Service Request:**	K1110634
Project:	NPDES Annual	**Date Collected:**	10/31/11
Sample Matrix:	Ocean Water	**Date Received:**	11/ 2/11
Prep Method:	Method	**Units:**	mg/L
Analysis Method:	335.4	**Basis:**	NA

Cyanide, Total

Sample Name	Lab Code	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
Intake	K1110634-001	ND	U	0.010	0.003	1	11/ 3/11	11/3/11 17:00	
001 Discharge	K1110634-002	ND	U	0.010	0.003	1	11/ 3/11	11/3/11 17:00	
Method Blank	K1110634-MB	ND	U	0.010	0.003	1	11/ 3/11	11/3/11 17:00	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Pacific Gas and Electric Company	**Service Request:**	K1110634
Project:	NPDES Annual	**Date Collected:**	10/31/11
Sample Matrix:	Ocean water	**Date Received:**	11/02/11

Mercury, Total

Prep Method:	METHOD	Units:	ng/L
Analysis Method:	1631E	Basis:	NA
Test Notes:			

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Intake	K1110634-001	1.0	0.06	1	11/04/11	11/09/11	0.37	J
001 Discharge	K1110634-002	1.0	0.06	1	11/04/11	11/09/11	0.34	J
Method Blank 1	K1110634-MB1	1.0	0.06	1	11/04/11	11/09/11	0.09	J
Method Blank 2	K1110634-MB2	1.0	0.06	1	11/04/11	11/09/11	ND	
Method Blank 3	K1110634-MB3	1.0	0.06	1	11/04/11	11/09/11	ND	

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Pacific Gas and Electric Company	Service Request:	K1110634
Project No.:	NA	Date Collected:	10/31/11
Project Name:	NPDES Annual	Date Received:	11/02/11
Matrix:	WATER	Units:	ug/L
		Basis:	NA

Sample Name: Intake Lab Code: K1110634-001

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.50	0.04	1.0	11/04/11	11/22/11	1.50		
Cadmium	200.8	0.020	0.002	1.0	11/04/11	11/22/11	0.041		
Lead	200.8	0.020	0.009	1.0	11/04/11	11/22/11	0.012	J	
Silver	200.8	0.020	0.003	1.0	11/04/11	11/22/11	0.007	J	
Titanium	6010C	2.0	0.4	1.0	11/09/11	11/17/11	3.1		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Pacific Gas and Electric Company	Service Request:	K1110634
Project No.:	NA	Date Collected:	10/31/11
Project Name:	NPDES Annual	Date Received:	11/02/11
Matrix:	WATER	Units:	ug/L
		Basis:	NA

Sample Name: 001 Discharge Lab Code: K1110634-002

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	200.8	0.50	0.04	1.0	11/04/11	11/22/11	1.51		
Cadmium	200.8	0.020	0.002	1.0	11/04/11	11/22/11	0.044		
Lead	200.8	0.020	0.009	1.0	11/04/11	11/22/11	0.020		
Silver	200.8	0.020	0.003	1.0	11/04/11	11/22/11	0.008	J	
Titanium	6010C	2.0	0.4	1.0	11/09/11	11/17/11	2.2		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Pacific Gas and Electric Company	**Service Request:**	K1110634
Project:	NPDES Annual	**Date Collected:**	10/31/2011
Sample Matrix:	Ocean water	**Date Received:**	11/02/2011

Polychlorinated Biphenyls (PCBs)

Sample Name:	Intake	**Units:**	ug/L
Lab Code:	K1110634-001	**Basis:**	NA
Extraction Method:	EPA 3535A	**Level:**	Low
Analysis Method:	8082A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1221	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1232	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1242	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1248	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1254	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1260	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	36-113	11/11/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Pacific Gas and Electric Company	**Service Request:**	K1110634
Project:	NPDES Annual	**Date Collected:**	10/31/2011
Sample Matrix:	Ocean water	**Date Received:**	11/02/2011

Polychlorinated Biphenyls (PCBs)

Sample Name:	001 Discharge	**Units:**	ug/L
Lab Code:	K1110634-002	**Basis:**	NA
Extraction Method:	EPA 3535A	**Level:**	Low
Analysis Method:	8082A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1221	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1232	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1242	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1248	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1254	ND	U	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	
Aroclor 1260	0.023	J	0.20	0.0094	1	11/04/11	11/11/11	KWG1111830	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	83	36-113	11/11/11	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Pacific Gas and Electric Company	**Service Request:**	K1110634
Project:	NPDES Annual	**Date Collected:**	10/31/2011
Sample Matrix:	Ocean water	**Date Received:**	11/02/2011

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Intake	**Units:**	ug/L
Lab Code:	K1110634-001	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	0.48	0.063	1	11/03/11	11/15/11	KWG1111183	
2-Chlorophenol	ND	U	0.48	0.054	1	11/03/11	11/15/11	KWG1111183	
2-Methylphenol	ND	U	0.48	0.11	1	11/03/11	11/15/11	KWG1111183	
4-Methylphenol†	ND	U	0.48	0.12	1	11/03/11	11/15/11	KWG1111183	
2-Nitrophenol	ND	U	0.48	0.063	1	11/03/11	11/15/11	KWG1111183	
2,4-Dimethylphenol	ND	U	3.9	2.2	1	11/03/11	11/15/11	KWG1111183	
2,4-Dichlorophenol	ND	U	0.48	0.047	1	11/03/11	11/15/11	KWG1111183	
4-Chloro-3-methylphenol	ND	U	0.48	0.037	1	11/03/11	11/15/11	KWG1111183	
2,4,6-Trichlorophenol	ND	U	0.48	0.058	1	11/03/11	11/15/11	KWG1111183	*
2,4,5-Trichlorophenol	ND	U	0.48	0.031	1	11/03/11	11/15/11	KWG1111183	
2,4-Dinitrophenol	ND	U	3.9	0.17	1	11/03/11	11/15/11	KWG1111183	
4-Nitrophenol	ND	U	2.0	0.28	1	11/03/11	11/15/11	KWG1111183	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	0.025	1	11/03/11	11/15/11	KWG1111183	
Pentachlorophenol	ND	U	0.96	0.34	1	11/03/11	11/15/11	KWG1111183	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	75	12-109	11/15/11	Acceptable
Phenol-d6	76	23-106	11/15/11	Acceptable
2,4,6-Tribromophenol	76	23-127	11/15/11	Acceptable

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Pacific Gas and Electric Company	**Service Request:**	K1110634
Project:	NPDES Annual	**Date Collected:**	10/31/2011
Sample Matrix:	Ocean water	**Date Received:**	11/02/2011

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	001 Discharge	**Units:**	ug/L
Lab Code:	K1110634-002	**Basis:**	NA
Extraction Method:	EPA 3520C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND	U	0.48	0.063	1	11/03/11	11/15/11	KWG1111183	
2-Chlorophenol	ND	U	0.48	0.054	1	11/03/11	11/15/11	KWG1111183	
2-Methylphenol	ND	U	0.48	0.11	1	11/03/11	11/15/11	KWG1111183	
4-Methylphenol†	ND	U	0.48	0.12	1	11/03/11	11/15/11	KWG1111183	
2-Nitrophenol	ND	U	0.48	0.063	1	11/03/11	11/15/11	KWG1111183	
2,4-Dimethylphenol	ND	U	3.9	2.2	1	11/03/11	11/15/11	KWG1111183	
2,4-Dichlorophenol	ND	U	0.48	0.047	1	11/03/11	11/15/11	KWG1111183	
4-Chloro-3-methylphenol	ND	U	0.48	0.037	1	11/03/11	11/15/11	KWG1111183	
2,4,6-Trichlorophenol	ND	U	0.48	0.058	1	11/03/11	11/15/11	KWG1111183	*
2,4,5-Trichlorophenol	ND	U	0.48	0.031	1	11/03/11	11/15/11	KWG1111183	
2,4-Dinitrophenol	ND	U	3.9	0.17	1	11/03/11	11/15/11	KWG1111183	
4-Nitrophenol	ND	U	2.0	0.28	1	11/03/11	11/15/11	KWG1111183	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	0.025	1	11/03/11	11/15/11	KWG1111183	
Pentachlorophenol	ND	U	0.96	0.34	1	11/03/11	11/15/11	KWG1111183	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	60	12-109	11/15/11	Acceptable
Phenol-d6	64	23-106	11/15/11	Acceptable
2,4,6-Tribromophenol	66	23-127	11/15/11	Acceptable

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.

Comments:

Pacific Gas & Electric Company

Client Sample ID: 001D LRW 4TH QTR 2011 COMPOSITE

TOTAL Metals

Lot-Sample #...: F2A050429-001 Matrix.....: WATER
Date Sampled...: 12/21/11 07:30 Date Received..: 01/05/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2006045						
Mercury	ND N	0.2	ug/L	MCAWW 245.1	01/11/12	MP2E31AC
		Dilution Factor: 1		Analysis Time..: 09:47	MDL.....: 0.050	

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

Pacific Gas & Electric Company

Client Sample ID: 001F OWS 4TH QTR 2011 COMPOSITE

TOTAL Metals

Lot-Sample #...: F2A050429-002 Matrix.....: WATER
Date Sampled...: 12/21/11 07:30 Date Received..: 01/05/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2006045						
Mercury	ND N	0.2	ug/L	MCAWW 245.1	01/11/12	MP2E51AC
		Dilution Factor: 1		Analysis Time..: 09:53	MDL.....: 0.050	

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

Pacific Gas & Electric Company

Client Sample ID: 001H U-1 CDRS 4TH QTR 2011 COMPOSITE

TOTAL Metals

Lot-Sample #...: F2A050429-003 Matrix.....: WATER
Date Sampled...: 12/21/11 07:30 Date Received..: 01/05/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2006045						
Mercury	ND N	0.2	ug/L	MCAWW 245.1	01/11/12	MP2FF1AC
		Dilution Factor: 1		Analysis Time..: 09:55	MDL.....: 0.050	

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

Pacific Gas & Electric Company

Client Sample ID: 001H U-2 CDRS 4TH QTR 2011 COMPOSITE

TOTAL Metals

Lot-Sample #...: F2A050429-004 Matrix.....: WATER
Date Sampled...: 12/21/11 07:30 Date Received..: 01/05/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2006045						
Mercury	ND N	0.2	ug/L	MCAWW 245.1	01/11/12	MP2FK1AC
		Dilution Factor: 1		Analysis Time..: 09:56	MDL.....: 0.050	

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

Pacific Gas & Electric Company

Client Sample ID: 001L U-1 SGBD 4TH QTR 2011 COMPOSITE

TOTAL Metals

Lot-Sample #...: F2A050429-005 Matrix.....: WATER
Date Sampled...: 12/21/11 07:30 Date Received..: 01/05/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2006045						
Mercury	ND N	0.2	ug/L	MCAWW 245.1	01/11/12	MP2FL1AC
		Dilution Factor: 1		Analysis Time..: 09:58	MDL.....: 0.050	

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

Pacific Gas & Electric Company

Client Sample ID: 001L U-2 SGBD 4TH QTR 2011 COMPOSITE

TOTAL Metals

Lot-Sample #...: F2A050429-006 Matrix.....: WATER
Date Sampled...: 12/21/11 07:30 Date Received..: 01/05/12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2006045						
Mercury	ND N	0.2	ug/L	MCAWW 245.1	01/11/12	MP2FP1AC
		Dilution Factor: 1		Analysis Time..: 10:03	MDL.....: 0.050	

NOTE(S):

N Spiked analyte recovery is outside stated control limits.

Amended

BSK Analytical Laboratories
Engineers & Laboratories

Certificate of Analysis

Amanda Smith
Abalone Coast Analytical, Inc.
141 Suburban, Suite C-1
San Luis Obispo, CA 93401

Report Issue Date: 1/18/2012 16:58
Received Date: 10/19/2011
Received Time: 09:20

Lab Sample ID: A1J1521-01
Sample Date: 10/18/2011 09:36
Sample Type: Grab

Client Project: 11-6207 DCWWTP
Sampled by: Client
Matrix: Solid

Sample Description: Sludge Holding Tank // 11-6207-1

General Chemistry

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
*Ammonia as N	SM 4500-NH3 G	55	0.32	0.50	mg/kg	1	A112789	10/25/11	10/26/11	
*Nitrate as NO3, DI Extract	EPA 300.0	5.7	0.43	5.0	mg/kg	1	A112998	10/29/11	10/29/11	BL02
*Percent Moisture	SM 2540 G / ASTM E 871-82	90		0.10	% by Weight	1	A112737	10/24/11	10/25/11	
*pH, DI Extract	EPA 9045C	7.0			pH Units	1	A112770	10/25/11	10/25/11	
*pH Temperature in °C		25.0								
*Phosphorus	EPA 365.4	170	1.9	5.0	mg/kg	2.0	A112779	10/25/11	10/28/11	
*Total Kjeldahl Nitrogen	EPA 351.2	940	6.7	50	mg/kg	2.0	A112779	10/25/11	10/28/11	BL02

Metals

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
*Boron	EPA 6010B	9.2	1.7	10	mg/kg	1	A112853	10/26/11	10/27/11	BL02, J
*Cadmium	EPA 6020	ND	0.25	1.2	mg/kg	1	A112853	10/26/11	10/28/11	
*Chromium	EPA 6020	ND	0.88	12	mg/kg	1	A112853	10/26/11	10/28/11	
*Copper	EPA 6020	4.9	0.38	5.0	mg/kg	1	A112853	10/26/11	10/28/11	J
*Lead	EPA 6020	ND	0.15	6.2	mg/kg	1	A112853	10/26/11	10/28/11	
*Mercury	EPA 6020A	ND	0.090	0.50	mg/kg	1	A112853	10/26/11	10/28/11	
*Nickel	EPA 6020	ND	0.41	12	mg/kg	1	A112853	10/26/11	10/31/11	
*Zinc	EPA 6020	11	7.8	62	mg/kg	1	A112853	10/26/11	10/28/11	J

PACIFIC GAS AND ELECTRIC – DIABLO CANYON POWER PLANT
SANITARY WASTEWATER TREATMENT SYSTEM
CONTRACT #Z780013941
REVISED 1.5.2010

SOUTHWEST WATER COMPANY
ROGER MIGCELBRINK
2508 RIO BRAVO CIRCLE
SACRAMENTO, CA 95826

PACIFIC GAS & ELECTRIC COMPANY
CONTACTS
JOE HIGGINS 805-545-4103
JIM KELLY 805-545-3194

PARAMETER	UNITS	FREQ.	LIMITS		SAMPLE		RESULTS
			MONTHLY AVERAGE	DAILY MAX	DATE	TIME	
1. Oil and Grease	mg/l	Weekly	15	20	10.6	0953	3.7 mg/L Ave of 3
2.	"	"	"	"	10.13	1013	4.4 mg/L " "
3.	"	"	"	"	10.18	1012	2.9 mg/L " "
4.	"	"	"	"	10.26	0951	4.8 mg/L " "
5.	"	"	"	"			
1.Suspended Solids	mg/l	Weekly	60	N/A	10.6	0935	6 mg/L
2.	"	"	"	"	10-13	0958	12 mg/L
3.	"	"	"	"	10-18	0954	15 mg/L
4.	"	"	"	"	10.26	0940	9 mg/L
5.	"	"	"	"			
1. Settleable Solids	ml/l	Weekly	1.0	3.0	10.6	1000	NO = <0.1 ml/L
2.	"	"	"	"	10-13	1015	NO = <0.1 ml/L
3.	"	"	"	"	10-18	1015	NO = <0.1 ml/L
4.	"	"	"	"	10-26	1000	NO = <0.1 ml/L
5.	"	"	"	"			

Notes;

1. **Analysis results above the monthly average shall be reported verbally within 8 hours to a PG&E contact listed above.**
2. **Oil & Grease and Suspended Solids samples are composites during 1 discharge cycle.**
3. **If SWWC diagnostic analysis results indicate that the system Effluent exceeds the listed limits, then increase the frequency at which samples are collected and submitted to the Contract lab.**

COMMENTS:_____

SLUDGE DISPOSAL DATA			
MONTH REMOVED	VOLUME REMOVED	WEIGHT REMOVED	DISPOSAL SITE
October 2011		1414 lbs.	Liberty Compost

Data Sheet completed by: J M Wyng Date: November 4, 2011

aquatic bioassay & consulting laboratories, inc

December 14, 2011

Mr. Jim Kelly
PG&E- Diablo Canyon Power Plant
9 Miles NW Avila Beach
Avila Beach, CA 93424

Dear Mr. Kelly:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Guidelines for Performing Static Acute Fish Bioassays in Municipal and Industrial Waste Waters* as provided to us by Frederic R. Kopperdahl, Fish and Wildlife Water Pollution Control Laboratory, Department of Fish and Game. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

CLIENT:	PG&E- Diablo Canyon Power Plant
SAMPLE I.D.:	Discharge 001- Acute
DATE RECEIVED:	2 Dec - 11
ABC LAB. NO.:	PGE1211.017

ACUTE ABALONE SURVIVAL BIOASSAY

LC50	=	100 % Survival in 100 % Sample
TUa	=	0.00

Yours very truly,

Scott Johnson
Laboratory Director

-96 Hr Survival

Start Date:	12/2/2011	Test ID:	PGE1211017	Sample ID:	CA0000000
End Date:	12/6/2011	Lab ID:	CAABC	Sample Type:	EFF3-Power Plant
Sample Date:	12/1/2011	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001- Acute				

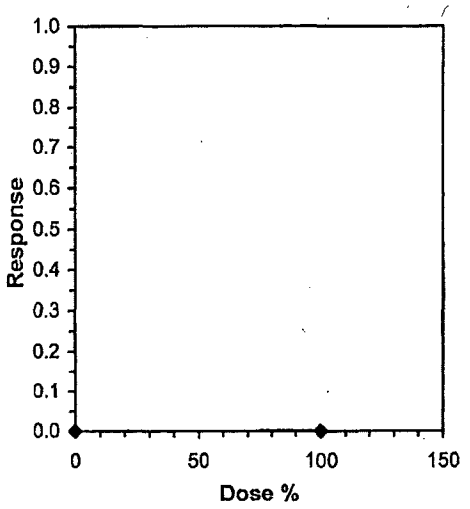
Conc-%	1	2
N Control	1.0000	1.0000
100	1.0000	1.0000

			Transform: Arcsin Square Root					Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Mean	N-Mean
N Control	1.0000	1.0000	1.4588	1.4588	1.4588	0.000	2	1.0000	1.0000
100	1.0000	1.0000	1.4588	1.4588	1.4588	0.000	2	1.0000	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Normality of the data set cannot be confirmed				
Equality of variance cannot be confirmed				

Linear Interpolation (200 Resamples)

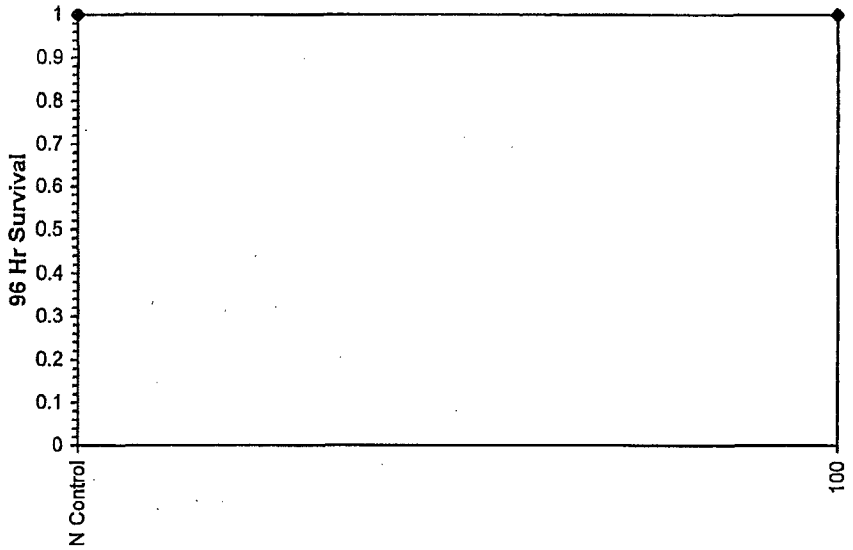
Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



-96 Hr Survival

Start Date:	12/2/2011	Test ID:	PGE1211017	Sample ID:	CA0000000
End Date:	12/6/2011	Lab ID:	CAABC	Sample Type:	EFF3-Power Plant
Sample Date:	12/1/2011	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001- Acute				

Dose-Response Plot



-96 Hr Survival

Start Date:	12/2/2011	Test ID:	PGE1211017	Sample ID:	CA0000000
End Date:	12/6/2011	Lab ID:	CAABC	Sample Type:	EFF3-Power Plant
Sample Date:	12/1/2011	Protocol:	KOP 76-Kopperdahl	Test Species:	HR-Haliotis rufescens
Comments:	Discharge 001- Acute				

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	14.34	14.20	14.50	0.10	2.17	10
100		14.38	14.10	14.80	0.21	3.22	10
N Control	pH	7.86	7.80	8.00	0.08	3.69	10
100		7.85	7.80	7.90	0.05	2.92	10
N Control	DO mg/L	7.78	7.30	8.50	0.40	8.12	10
100		8.04	7.90	8.20	0.11	4.08	10
N Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	10
100		34.00	34.00	34.00	0.00	0.00	10
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0

CHAIN OF CUSTODY RECORD

Client:	Project Name/Number:	Analysis
Pacific Gas & Electric Co	Toxicity Testing	
Address: 9 Miles NW Avila Beach, Avila Beach, Ca. 93424	Project Mgr: Jim Kelly	
	P.O. #	
Phone Number: (805) 545-3194	Sampled By: *(signature)*	

Date	Time	Comp	Grab	Matrix	Sample ID	Volume / Number	Acute Toxicity										Comments
12/1/2011	0725		X	Seawater	Discharge 001	DCPP-398	X										

Relinquished By: *(signature)*	Date / Time	Relinquished By: *(signature)*	Date / Time
	12/1/11 0900		
Received By: *(signature)*	Date / Time	Received By: *(signature)*	Date / Time
	12-2-11 1145	Temperature upon sample receipt: 4.3 degrees C	

CHLORINE = CL.)

Aquatic Bioassay and Consulting Labortories
29 N. Olive Street Ventura, Ca. 93001 Phone: (805) 643-5621 Fax: (805) 643-2930

Clint Gans
Pacific Gas & Electric
P.O. Box 56
9 Miles NW Avila Beach
Avila Beach, CA 93424

December 26, 2011

Clint:

I have enclosed our report "NPDES Compliance Chronic Toxicity Testing of the Diablo Canyon Power Plant Effluent" for the sample collected December 6, 2011. As you will recall, due to the lack of availability of gravid red abalone organisms for the past few months and in order to comply with your NPDES permit toxicity testing requirements in a timely fashion, the current chronic toxicity test was preformed using the bivalve embryo development test with the mussel *Mytilus galloprovincialis*. As we've discussed, the bivalve embryo development test with *M. galloprovincialis* is remarkably similar to the red abalone test, both in experimental approach and in the sensitivity of the organisms to toxicants, and many consider them to be interchangeable. A summary of the results of this testing follows:

Chronic Effects of DCPP Effluent on *Mytilus galloprovincialis*

There were ***no*** significant reductions in normal embryo development in the DCPP effluent; the NOEC was 100% effluent, resulting in 1 TUc.

Mytilus Test Endpoint = % Normal Embryo Development	
NOEC = 100% effluent	TUc (= 100/NOEC) = 1 TUc

If you have any questions regarding this testing or the report, please feel free to call me at (707) 207-7760.

Sincerely,

R. Scott Ogle, Ph.D.
Principal & Special Projects Director

This testing was performed under Lab Order 18964. The test results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report, and only relate to the sample tested. This report shall not be reproduced, except in full, without the written consent of Pacific EcoRisk.

NPDES Compliance Chronic Toxicity Testing of the Diablo Canyon Power Plant Effluent

Sample collected December 6, 2011

Performed For:

Pacific Gas & Electric
P.O. Box 56
9 Miles NW Avila Beach
Avila Beach, CA 93424

Prepared By:

Pacific EcoRisk
2250 Cordelia Rd.
Fairfield, CA 94534

December 2011

PACIFIC ECORISK
ENVIRONMENTAL CONSULTING & TESTING

NPDES Compliance Chronic Toxicity Testing of the Diablo Canyon Power Plant Effluent

Samples collected December 6, 2011

Table of Contents

Appendices

1. INTRODUCTION

Under contract to Pacific Gas & Electric, Pacific EcoRisk (PER) conducted a chronic toxicity evaluation of effluent collected from the Diablo Canyon Power Plant (DCPP). This evaluation consisted of performing the US EPA chronic toxicity embryo-development test with the mussel *Mytilus galloprovincialis*. This test was performed on a DCPP effluent sample that was collected on December 6, 2011. In order to assess the sensitivity of the test organisms to toxic stress, a concurrent reference toxicant test was also performed. This report describes the performance and results of these tests.

2. TOXICITY TEST PROCEDURES

This testing was performed following the guidelines established by the EPA manual:

- Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms (EPA/600/R-95/136).

2.1 Receipt and Handling of the Effluent Sample

On December 6, a sample of DCPP final effluent was collected into an appropriately cleaned sample container; this sample was shipped via overnight delivery, on ice and under chain-of-custody, to the PER testing facility in Fairfield. Upon receipt at the testing laboratory, aliquots of the sample were collected for determination of initial water quality characteristics (Table 1), after which the remainder of the sample was stored at 0-6°C, except when being used to prepare the test solutions. The chain-of-custody record for the collection and delivery of this sample is provided in Appendix A.

Table 1. Initial water quality characteristics of DCPP effluent sample.

Sample Receipt Date	Sample ID	Temp (°C)	pH	D.O (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Salinity (ppt)	Total Ammonia (mg/L N)
12/7/11	Discharge 001 DCPP 399	0.6	7.95	9.6			32.9	<1.00

2.2 Chronic Toxicity Testing with *Mytilus galloprovincialis*

The short-term chronic bivalve embryo development test consists of a ~48 hr bioassay in which mussel (*M. galloprovincialis*) embryos are exposed to a series of effluent dilutions and the effects on embryo development determined. The specific procedures used in this test are described below.

The Lab Water Control/dilution water for this test was prepared by diluting 0.45-μm filtered seawater (collected from the UC Granite Canyon Marine Laboratory) to a salinity of ~30 ppt with Type 1 lab water (reverse-osmosis, de-ionized water). The Lab Control/dilution water and effluent sample were used to prepare test solutions at test concentrations of 10, 18, 32, 56, and 100% effluent. As the salinity of the effluent sample was higher than the nominal test salinity, a "Salinity Control" was prepared at the sample salinity and tested concurrently. Routine water quality characteristics (pH, D.O., and salinity) were measured for each test solution prior to use in this test.

Bivalve embryos were generated from gravid adult *M. galloprovincialis*. Prior to spawning, the adult bivalves were held in seawater at a temperature of 12°C. To induce spawning, the adults were transferred into glass trays of filtered seawater (Granite Canyon seawater) at 20°C. This increase in temperature induced the bivalves to release sperm and eggs. When an individual was observed to begin releasing sperm or eggs, it was transferred to a separate container for isolation and collection of gametes, which were examined microscopically to evaluate viability and quality. The gametes exhibiting the best quality were used to prepare freshly fertilized embryos.

Each test replicate consisted of a 30-mL glass vial containing 10 mL of appropriate test solution. Additional replicates were established to verify the inoculation density, and additional "observation" vials were established at the Lab Water Control treatment for monitoring of successful embryo development (i.e., to allow monitoring of the test conditions without affecting actual test replicates). Finally, "water quality" vials (30-mL vials containing 20-mL of test solution at the same embryo density as the test vials) were established for each treatment in order to measure the final (~48 hrs) water quality characteristics. The test was initiated with the random inoculation of approximately 150-300 embryos into each vial. These test and observation and monitoring vials were then placed into a temperature-controlled incubator at 18°C under a 16L:8D photoperiod.

After 48 (±1) hrs, the "observation" vials were examined to ensure that ≥90% of the surviving embryos achieved normal development to the "D-hinge" stage. Upon confirming adequate successful embryo development, it was assumed that similar conditions existed for the test Lab Control replicates, and the test was terminated. The final water quality characteristics were determined from the "water quality" vial at each treatment, and the remaining test embryos were fixed by the addition of 1-mL of 5% glutaraldehyde to each replicate vial. The contents of each preserved test vial were subsequently examined microscopically to determine the percentage of embryos exhibiting normal development. The resulting embryo development data were analyzed to evaluate any impairments due to the effluent; all statistical analyses were performed using the CETIS® statistical software.

2.2.1 Reference Toxicant Testing of the *Mytilus galloprovincialis*

In order to assess the sensitivity of the mussel embryos to toxicant stress, a reference toxicant test was performed. This reference toxicant test was performed similarly to the effluent toxicity test, except that test solutions consisted of Lab Water Control medium (~30 ppt seawater) spiked with KCl at concentrations of 0.5, 1, 2, 3, and 4 g/L. The resulting test response data were analyzed to determine key dose-response point estimates (e.g., EC_{50}); all statistical analyses were made using the CETIS® software. These response endpoints were then compared to the "typical response" range established by the mean ± 2 SD of the point estimates generated by the reference toxicant test database.

3. RESULTS

3.1 Effects of DCPP Effluent on *Mytilus galloprovincialis*

The results for this test are summarized below in Table 2. There was 98.6% normal development at the Lab Control treatment. There were ***no*** statistically significant reductions in normal development at the any of the effluent concentrations tested; the normal embryo development NOEC was 100% effluent, resulting in 1 TUc (where TUc = 100/NOEC). The normal development EC_{50} was >100% effluent.

The test data and summary of statistical analyses for this test are attached in Appendix B.

Table 2. Effects of DCPP effluent on mussel embryo development.

Effluent Treatment	Mean % Normal Embryo Development
Salinity Control @ 33 ppt	99.0
Lab Control (Seawater @ 30 ppt)	98.6
0.25%	98.8
0.5%	97.6
1%	98.3
2%	99.0
4%	98.2
Summary of Statistics	
NOEC =	100% effluent
TUc (100/NOEC) =	1 TUc
EC_{50} =	>100% effluent[a]

a - Due to the absence of significant impairment of embryo development, the EC50 could not be calculated, but can be determined by inspection to be >100% effluent.

3.1.1 Reference Toxicant Toxicity to *Mytilus galloprovincialis*

The results of this test are summarized below in Table 3. There was 97.6% normal development at the Lab Control treatment. The normal embryo development EC_{50} was 2.1 g/L KCl.

The EC_{50} for this test was consistent with the "typical response" range established by the reference toxicant test database for this species, indicating that the organisms used in this testing were responding to toxic stress in a typical and consistent fashion.

The test data and summary of statistics for this test are attached as Appendix C.

Table 3. Reference toxicant testing: effects of KCl on mussel embryo development.

KCl Treatment (g/L)	Mean % Normal Embryo Development
Lab Control	97.6
0.5	98.5
1	98.5
2	**68.2***
3	**0***
4	**0***
Summary of Statistics	
EC_{50} =	2.1 g/L KCl

* - The response at this test treatment was significantly less than the Lab Control treatment response at $p < 0.05$.

4. SUMMARY AND CONCLUSIONS

Chronic Effects of DCPP Effluent on *Mytilus galloprovincialis*
There were ***no*** significant reductions in normal embryo development in the DCPP effluent; the NOEC was 100% effluent, resulting in 1 TUc.

Mytilus Test Endpoint = % Normal Embryo Development	
NOEC = 100% effluent	TUc (= 100/NOEC) = 1 TUc

4.1 QA/QC Summary

Test Conditions – All test conditions (pH, D.O., temperature, etc.) were within acceptable limits. All analyses were performed according to laboratory Standard Operating Procedures.

Negative Control – The test organism responses at the Lab Control treatments were within acceptable limits.

Positive Control – The results of the reference toxicant tests were consistent with the "typical response" range established by the reference toxicant database for this species, indicating that these test organisms were responding to toxic stress in a typical and consistent fashion.

Concentration Response Relationships – The concentration-response relationships for these tests were evaluated as per EPA guidelines (EPA-821-B-00-004), and were determined to be acceptable.

Appendix A

Chain-of-Custody Record for the Collection and Delivery of the DCPP Effluent Samples

Pacific EcoRisk
2250 Cordelia Rd., Fairfield, CA 94534
(707) 207-7760 FAX (707) 207-7916

CHAIN-OF-CUSTODY RECORD

Client Name:	Pacific Gas & Electric Co
Client Address:	P.O. Box 56, 9 Miles NW Avila Beach Avila Beach, Ca 93424
Phone:	(805) 545-3419 **FAX:** (805) 545-3065
Project Manager:	Clint Gans
Project Name:	4th Qtr NPDES
Project # / P.O. Number:	

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Number	Container Type	REQUESTED ANALYSIS: * Chronic Toxicity
1	Discharge 001 DCPP 399	12/6/11	0800	Seawater	1		X
2							
3							
4							
5							
6							
7							
8							
9							
10							
12							

Samples collected by:

Comments/Special Instruction:

*Short Term Chronic Embryo Development Toxicity Test with Red Abalone, (as per the EPA's 1985 West Coast Manual)

RELIQUINSHED BY:	RECEIVED BY:
Signature: RJD	**Signature:**
Print: Richard Doyle	**Print:** Simar Singh
Organization: PG&E	**Organization:** PER
Date: 12/6/11 **Time:** 0930	**Date:** 12/7/11 **Time:** 0930
RELIQUINSHED BY:	**RECEIVED BY:**
Signature:	**Signature:**
Print:	**Print:**
Organization:	**Organization:**
Date: **Time:**	**Date:** **Time:**

*Example Matrix Codes: (FW = Freshwater); (SW = Saltwater); (WW = Wastewater); (STRMW = Stormwater); (SED = Sediment); or other

Appendix B

Test Data and Summary of Statistics for the Evaluation of the Chronic Toxicity of DCPP Effluent to *Mytilus galloprovincialis*

Bivalve Larval Survival and Development Test — Pacific EcoRisk

Batch ID:	16-8483-1384	Test Type:	Development-Survival	Analyst:	Eddie Kalombo
Start Date:	07 Dec-11 15:35	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Diluted Seawater
Ending Date:	09 Dec-11 14:45	Species:	Mytilus galloprovincialis	Brine:	Not Applicable
Duration:	47h	Source:	M-REP	Age:	N/A

Sample ID:	11-8875-2385	Code:	Effluent	Client:	Pacific Gas & Electric Co.
Sample Date:	06 Dec-11 08:00	Material:	Effluent	Project:	18964
Receive Date:	07 Dec-11 09:30	Source:	Diablo Canyon Power Plant		
Sample Age:	32h (0.6 °C)	Station:	Discharge 001 DCPP 399		

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
20-5473-2291	Development Rate	100	>100	N/A	2.03%	1	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
03-4938-6851	Development Rate	EC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
		EC50	>100	N/A	N/A	<1	

Development Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Lab Water Contr	4	0.986	0.985	0.988	0.983	0.989	0.00162	0.00324	0.33%	0.0%
0	Salinity Control	4	0.99	0.989	0.992	0.988	0.995	0.00174	0.00348	0.35%	-0.41%
10		4	0.988	0.985	0.991	0.981	1	0.00425	0.0085	0.86%	-0.19%
18		4	0.976	0.971	0.981	0.965	0.995	0.00661	0.0132	1.35%	1.05%
32		4	0.983	0.978	0.987	0.967	0.995	0.00577	0.0115	1.17%	0.38%
56		4	0.99	0.987	0.992	0.982	0.994	0.00294	0.00589	0.6%	-0.33%
100		4	0.982	0.978	0.985	0.972	0.994	0.00476	0.00951	0.97%	0.49%

Development Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Water Contr	0.989	0.984	0.989	0.983
0	Salinity Control	0.991	0.995	0.988	0.988
10		1	0.981	0.984	0.989
18		0.995	0.965	0.97	0.974
32		0.967	0.995	0.983	0.985
56		0.994	0.988	0.994	0.982
100		0.977	0.972	0.983	0.994

Bivalve Larval Survival and Development Test — Pacific EcoRisk

Analysis ID: 20-5473-2291 Endpoint: Development Rate CETIS Version: CETISv1.8.0
Analyzed: 19 Dec-11 9:48 Analysis: Parametric-Control vs Treatments Official Results: Yes

Data Transform	Zeta	Alt Hyp	MC Trials	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	0	C > T	Not Run	100	>100	N/A	1	2.03%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	DF	MSD	P-Value	Decision(α:5%)
Lab Water Control		10	-0.476	2.41	6	0.068	0.9362	Non-Significant Effect
		18	1.14	2.41	6	0.068	0.3615	Non-Significant Effect
		32	0.348	2.41	6	0.068	0.7114	Non-Significant Effect
		56	-0.617	2.41	6	0.068	0.9541	Non-Significant Effect
		100	0.546	2.41	6	0.068	0.6275	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.006959834	0.001391967	5	0.872	0.5192	Non-Significant Effect
Error	0.02874158	0.001596754	18			
Total	0.03570141	0.002988721	23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	4.49	15.1	0.4811	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.936	0.884	0.1349	Normal Distribution

Development Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Lab Water Contr	4	0.986	0.985	0.988	0.983	0.989	0.00162	0.00324	0.33%	0.0%
10		4	0.988	0.985	0.991	0.981	1	0.00425	0.0085	0.86%	-0.19%
18		4	0.976	0.971	0.981	0.965	0.995	0.00661	0.0132	1.35%	1.05%
32		4	0.983	0.978	0.987	0.967	0.995	0.00577	0.0115	1.17%	0.38%
56		4	0.99	0.987	0.992	0.982	0.994	0.00294	0.00589	0.6%	-0.33%
100		4	0.982	0.978	0.985	0.972	0.994	0.00476	0.00951	0.97%	0.49%

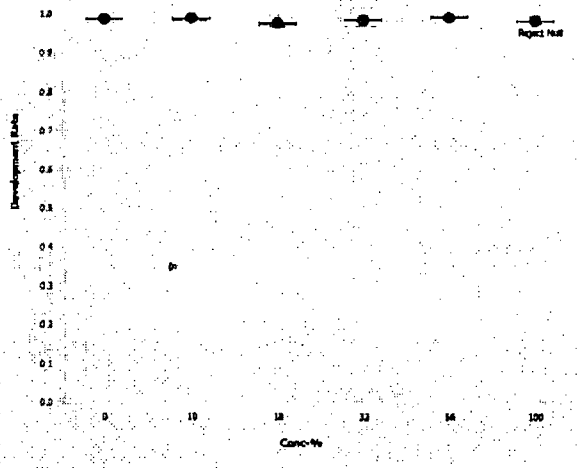
Angular (Corrected) Transformed Summary

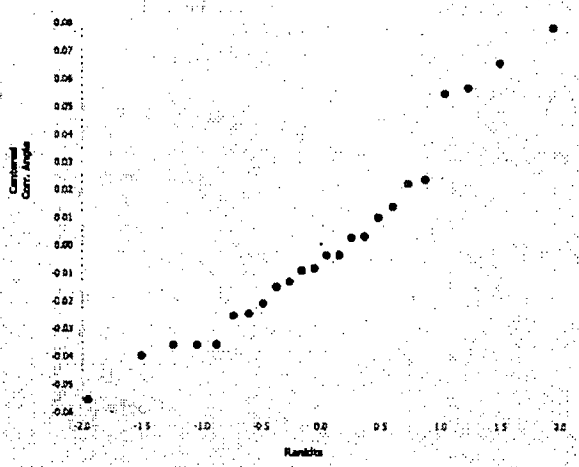
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Lab Water Cont	4	1.45	1.45	1.46	1.44	1.47	0.00698	0.014	0.96%	0.0%
10		4	1.47	1.45	1.49	1.43	1.53	0.0228	0.0456	3.11%	-0.93%
18		4	1.42	1.4	1.44	1.38	1.5	0.0266	0.0531	3.74%	2.22%
32		4	1.44	1.43	1.46	1.39	1.5	0.0229	0.0459	3.18%	0.68%
56		4	1.47	1.46	1.48	1.44	1.5	0.0142	0.0284	1.93%	-1.2%
100		4	1.44	1.42	1.45	1.4	1.49	0.0198	0.0396	2.76%	1.06%

Bivalve Larval Survival and Development Test — Pacific EcoRisk

Analysis ID:	20-5473-2291	Endpoint:	Development Rate	CETIS Version:	CETISv1.8.0
Analyzed:	19 Dec-11 9:48	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Graphics





CETIS Analytical Report

Bivalve Larval Survival and Development Test — **Pacific EcoRisk**

Analysis ID:	03-4938-6851	**Endpoint:**	Development Rate	**CETIS Version:**	CETISv1.8.0
Analyzed:	19 Dec-11 9:48	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	963358819	200	Yes	Two-Point Interpolation

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	N/A	N/A	<1	N/A	N/A
EC10	>100	N/A	N/A	<1	N/A	N/A
EC15	>100	N/A	N/A	<1	N/A	N/A
EC20	>100	N/A	N/A	<1	N/A	N/A
EC25	>100	N/A	N/A	<1	N/A	N/A
EC40	>100	N/A	N/A	<1	N/A	N/A
EC50	>100	N/A	N/A	<1	N/A	N/A

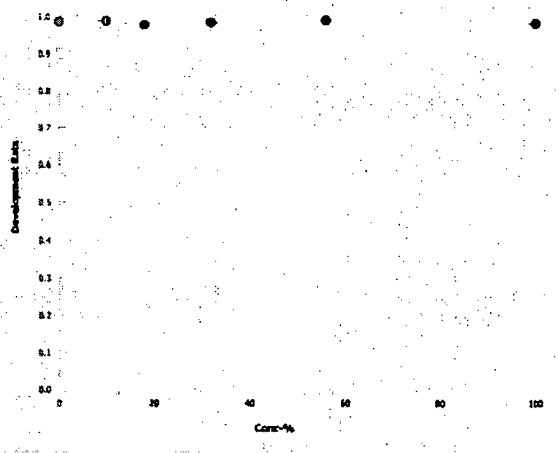
Development Rate Summary — Calculated Variate(A/B)

Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Lab Water Contro	4	0.986	0.983	0.989	0.00162	0.00324	0.33%	0.0%	723	733
10		4	0.988	0.981	1	0.00425	0.0085	0.86%	-0.19%	732	741
18		4	0.976	0.965	0.995	0.00661	0.0132	1.35%	1.05%	773	792
32		4	0.983	0.967	0.995	0.00577	0.0115	1.17%	0.38%	751	764
56		4	0.99	0.982	0.994	0.00294	0.00589	0.6%	-0.33%	672	679
100		4	0.982	0.972	0.994	0.00476	0.00951	0.97%	0.49%	685	698

Development Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Water Control	0.989	0.984	0.989	0.983
10		1	0.981	0.984	0.989
18		0.995	0.965	0.97	0.974
32		0.967	0.995	0.983	0.985
56		0.994	0.988	0.994	0.982
100		0.977	0.972	0.983	0.994

Graphics



Mytilus sp. Development Toxicity Test Count Data

Client: **PG&E Diablo Canyon Power Plant**
Test Material: **Effluent**
Test ID #: 45898
Project #: 18964
Sample Salinity adjusted with : NA

Test Start Date: 12/7/11
Test End Date: 12/9/11
Enumeration Date: 12/10/11
Investigator: KF

Concentration	Replicate	Number of Normal Larvae	Number of Abnormal Larvae	Total Number Larvae	Percent Normal Development
Control	A	174	2	176	98.9
	B	190	3	193	98.4
	C	188	2	190	98.9
	D	171	3	174	98.3
10.0%	A	175	0	175	100.0
	B	204	4	208	98.1
	C	179	3	182	98.4
	D	174	2	176	98.9
18%	A	199	1	200	99.5
	B	192	7	199	96.5
	C	195	6	201	97.0
	D	187	5	192	97.4
32%	A	177	6	183	96.7
	B	204	1	205	99.5
	C	175	3	178	98.3
	D	195	3	198	98.5
56%	A	174	1	175	99.4
	B	169	2	171	98.8
	C	167	1	168	99.4
	D	162	3	165	98.2
100%	A	168	4	172	97.7
	B	174	5	179	97.2
	C	177	3	180	98.3
	D	166	1	167	99.4

Mytilus sp. Development Toxicity Test Water Chemistry Data

Client: PG&E Diablo Canyon Power Plant
Test Material: Effluent
Test ID#: 45898 Project #: 18964
Test Date: 12/7/11 Randomization: —
Sample Salinity adjusted with: N/A

Organism Log#: 6120 Age: N/A
Organism Supplier: M-Rep
Control/Diluent: 0.45 µm-filtered Seawater @ 30±2 ppt

Day 0					
Treatment (%)	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Control	18.9	7.71	8.2	29.4	Sample ID: 28046
10%	18.9	7.80	8.7	30.3	Test Solution Prep:
18%	18.9	7.80	8.7	30.6	New WQ: MC
32%	18.9	7.82	8.6	31.1	Innoculation Date: 12/7/11
56%	18.9	7.84	8.6	32.0	Innoculation Time: 1535
100%	18.9	7.88	8.7	33.7	Innoculation Signoff:
Meter ID	69A	pH15	RDO7	EC03	

Day 1					
Treatment (%)	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Control	18.9				WQ: MG
10%	18.9				
18%	18.9				
32%	18.9				
56%	18.9				
100%	18.9				
Meter ID	69A				

Day 2					
Treatment (%)	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Control	18.9	7.81	7.9	30.4	Termination Date: 12/9/11
10%	18.9	7.89	7.9	30.6	Termination Time: 1445
18%	18.9	7.91	7.8	31.1	Termination Signoff: MG
32%	18.9	7.91	7.6	31.3	Old WQ: CA
56%	18.9	7.93	7.5	31.7	
100%	18.9	7.93	7.6	33.4	
Meter ID	69A	pH17	RDO9	EC09	

Mytilus sp. Development Toxicity Test Count Data

Client: **PG&E Diablo**
Test Material: Salinity Control (33ppt)
Test ID #: 45898
Project #: 18964
Sample Salinity adjusted with : Crystal Sea

Test Start Date: 12/7/11
Test End Date: 12.9.11
Enumeration Date: 12.10.11
Investigator: AG

Concentration	Replicate	Number of Normal Larvae	Number of Abnormal Larvae	Total Number Larvae	Percent Normal Development
Control	A	174	2	176	98.9
	B	190	3	193	98.4
	C	188	2	190	98.9
	D	171	3	174	98.3 ~~99.42~~
Salinity Control	A	209	2	211	99.1
	B	206	1	207	99.5
	C	160	2	162	98.8
	D	164	2	166	98.8

Mytilus sp. Development Toxicity Test Water Chemistry Data

Client: PG&E Diablo
Test Material: Salinity Control (33ppt)
Test ID#: 45898 Project #: 18964
Test Date: 12/7/11 Randomization: ~

Organism Log#: 6120 Age: N/A
Organism Supplier: M-Rep
Control/Diluent: FSW @ 30 ppt

Day 0

Treatment	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Lab Control	18.9	7.71	8.2	29.4	Date & Inoculation Time: 12/7/11 1535
Salinity Control	18.9	7.76	8.5	33.0	Solution Prep/Inoculation: MM
Meter ID	69A	pH15	RDO7	EC03	New WQ: HC

Day 1

Treatment	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Lab Control	18.9				Date 12/8/11
Salinity Control	18.9				Old WQ MG
Meter ID	69A				

Day 2

Treatment	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Lab Control	18.9	7.81	7.9	30.4	Date 12/9/11
Salinity Control	18.9	7.94	7.6	33.7	Termination MG
Meter ID	69A	pH17	RDO4	EC04	Old WQ CA

Appendix C

Test Data and Summary of Statistics for the Reference Toxicant Evaluation of *Mytilus galloprovincialis*

CETIS Summary Report

Bivalve Larval Survival and Development Test — **Pacific EcoRisk**

Batch ID:	12-5094-2856	**Test Type:**	Development-Survival	**Analyst:**	Padrick Anderson
Start Date:	07 Dec-11 15:35	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Diluted Seawater
Ending Date:	09 Dec-11 14:45	**Species:**	Mytilus galloprovincialis	**Brine:**	Not Applicable
Duration:	47h	**Source:**	M Rep	**Age:**	N/A

Sample ID:	06-4597-5057	**Code:**	KCl	**Client:**	Reference Toxicant
Sample Date:	07 Dec-11 15:35	**Material:**	Potassium chloride	**Project:**	18989
Receive Date:	07 Dec-11 15:35	**Source:**	Reference Toxicant		
Sample Age:	N/A (18.9 °C)	**Station:**	In House		

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
11-0105-8587	Development Rate	1	2	1.414	3.21%		Steel Many-One Rank Test

Point Estimate Summary

Analysis ID	Endpoint	Level	g/L	95% LCL	95% UCL	TU	Method
10-8284-7722	Development Rate	EC50	2.07	2.02	2.12		Spearman-Kärber

Development Rate Summary

Conc-g/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Lab Water Contr	4	0.976	0.971	0.981	0.96	0.993	0.00693	0.0139	1.42%	0.0%
0.5		4	0.985	0.981	0.988	0.972	0.994	0.00471	0.00942	0.96%	-0.87%
1		4	0.985	0.984	0.987	0.981	0.989	0.00198	0.00396	0.4%	-0.94%
2		4	0.682	0.644	0.72	0.538	0.771	0.0511	0.102	15.0%	30.2%
3		4	0	0	0	0	0	0	0		100.0%
4		4	0	0	0	0	0	0	0		100.0%

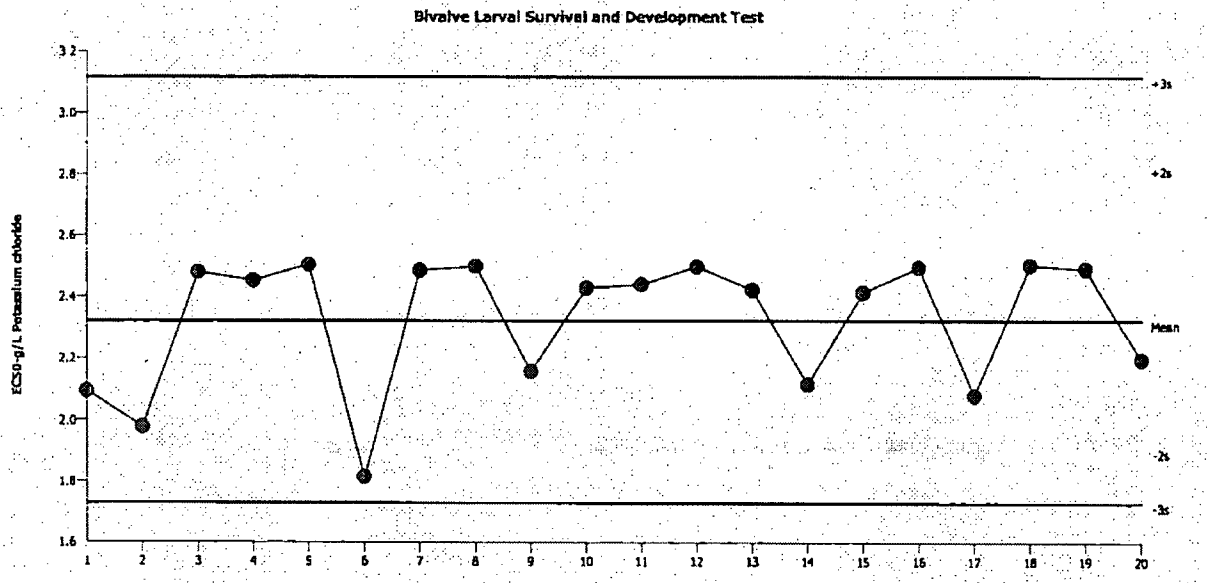
Development Rate Detail

Conc-g/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Water Contr	0.96	0.979	0.973	0.993
0.5		0.989	0.983	0.994	0.972
1		0.989	0.988	0.981	0.983
2		0.771	0.734	0.685	0.538
3		0	0	0	0
4		0	0	0	0

Analyst: QA:

Bivalve Larval Survival and Development Test — Pacific EcoRisk

Test Type:	Development-Survival	**Organism:**	Mytilus galloprovincialis (Bay Mussel	**Material:**	Potassium chloride
Protocol:	EPA/600/R-95/136 (1995)	**Endpoint:**	Development Rate	**Source:**	Reference Toxicant-REF



Mean:	2.321	**Count:**	19	**-2s Warning Limit:**	1.907	**-3s Action Limit:**	1.729
Sigma:	N/A	**CV:**	10.30%	**+2s Warning Limit:**	2.826	**+3s Action Limit:**	3.117

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Test ID	Analysis ID
1	2011	Jul	7	2.094	-0.2279	-1.052			13-0033-0593	03-2755-6466
2			13	1.978	-0.3432	-1.628			00-8349-0662	19-8132-4163
3			19	2.477	0.1554	0.6592			14-0266-8444	07-3078-2457
4			29	2.449	0.128	0.5462			15-2511-1069	11-7436-0755
5		Aug	4	2.501	0.1793	0.7571			02-1451-5761	02-7483-0446
6			18	1.815	-0.5069	-2.507	(-)		01-3981-1797	19-0089-3016
7			20	2.483	0.1614	0.684			06-2111-0287	04-2240-5276
8			27	2.496	0.1741	0.736			17-2349-7559	16-1207-6377
9		Sep	1	2.155	-0.1662	-0.7558			07-6440-5531	04-9527-2624
10			7	2.426	0.1049	0.4499			20-8751-7967	07-6365-0576
11			13	2.437	0.1159	0.4956			13-0080-2359	11-1880-2784
12			15	2.494	0.173	0.7312			13-2896-4955	14-9991-7351
13			21	2.42	0.09809	0.4211			12-1865-4112	04-8714-6910
14			23	2.113	-0.2081	-0.9557			21-3529-3075	06-9926-5912
15			29	2.411	0.08954	0.3851			00-2334-6076	16-8912-5909
16		Oct	7	2.491	0.1699	0.7189			11-1950-2196	18-1507-3416
17			14	2.077	-0.2443	-1.132			00-0419-9952	18-8866-3536
18			21	2.499	0.1776	0.75			04-6551-7214	02-1647-8901
19		Nov	8	2.487	0.1656	0.7013			01-4053-7743	18-0428-8106
20			19	2.194	-0.1274	-0.5743			05-0838-7549	16-5032-2111

Mytilus sp. Development Toxicity Test Count Data

Client: **Reference Toxicant**
Test Material: Potassium Chloride
Test ID #: 45956
Project #: 18989

Test Start Date: 12/7/11
Test End Date: 12/8-9 12/9/11
Enumeration Date: 12/10/11
Investigator: KC

Concentration	Replicate	Number of Normal Larvae	Number of Abnormal Larvae	Total Number Larvae	Percent Normal Development
Control	A	168	7	175	96.0
	B	191	4	195	~~97.0~~ 97.9
	C	177	5	182	97.3
	D	146	1	147	99.3
0.5	A	183	2	185	98.9
	B	177	3	180	98.3
	C	175	1	176	99.4
	D	176	5	181	97.2
1	A	184	~~2~~ 2	186	98.9
	B	169	2	171	98.8
	C	155	3	158	98.1
	D	176	3	179	98.3
2	A	84	25	109	77.1
	B	80	29	109	73.4
	C	89	41	130	68.5
	D	57	49	106	53.8
3	A	0	26	26	0
	B	0	20	20	0
	C	0	31	31	0
	D	0	27	27	0
4	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Mytilus sp. Development Toxicity Test Water Chemistry Data

Client: Reference Toxicant
Test Material: Potassium Chloride
Test ID#: 45956 Project #: 18989
Test Date: 12/7/11

Organism Log#: 6120 Age: N/A
Organism Supplier: M-Rop
Control/Diluent: 30ppt FSW

Day 0

Treatment (g/L)	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Control	18.9	7.77	10.3	29.7	Ref Tox Stock #: —
0.5	18.9	~~7.82~~ 7.82	10.3	30.5	Test Solution Prep:
1	18.9	7.82	10.4	31.0	New WQ: JC
2	18.9	7.82	10.3	32.1	Innoculation Date: 12/7/11
3	18.9	7.81	10.1	32.3	Innoculation Time: 1535
4	18.9	7.82	10.1	34.1	Innoculation Signoff:
Meter ID	69A	pH 17	RDO4	ECO2	

Day 1

Treatment	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Control	18.9				WQ: MG
0.5	18.9				
1	18.9				
2	18.9				
3	18.9				
4	18.9				
Meter ID	69A				

Day 2

Treatment	Temperature (°C)	pH	D.O. (mg/L)	Salinity (ppt)	Signoff
Control	18.9	7.91	7.6	30.8	Termination Date: 12/9/11
0.5	18.9	7.92	7.7	31.4	Termination Time: 1445
1	18.9	7.92	7.9	31.5	Termination Signoff: MG
2	18.9	7.92	7.6	32.9	Old WQ: CA
3	18.9	7.91	7.6	33.7	
4	18.9	7.92	7.5	34.7	
Meter ID	69A	pH17	RDO4	ECO4	