



Pacific Gas and Electric Company

Pacific Gas and Electric Company
Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424

Date: July 17, 2014

Electronic Submission
CIWQS Web Application

PG&E Letter DCL-2014-529

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

In accordance with Order 90-09, NPDES No. CA0003751, the Second Quarter 2014 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: Bryan Cunningham
Job Title: Supervisor, Environmental Operations
Phone Number: (805) 545-4439

WDR/NPDES Order Number: Order No. 90-09, NPDES No. CA0003751

Type of Report: (check one)

	QUARTERLY	ANNUAL
	☒	☐

Quarter: (check one):

1 st	2 nd	3 rd	4 th
☐	☒	☐	☐

Year: 2014 (Annual Reports for DCPD are Jan-Dec)

Violation(s) (Place an X by the appropriate choice): ☒ No (there are no violations to report) ☐ Yes

LEAS
NIRK

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*

PG&E Letter DCL-2014-529
CRWQCB Central Coast Region
July 17, 2014
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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

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

PACIFIC GAS AND ELECTRIC COMPANY

Second Quarter 2014

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

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APPENDIX 1: NPDES Discharge Points

OVERVIEW

1. During the second quarter of 2014, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001L, 001M, 001N, 001P, and 002 through 015. No discharges occurred from Discharge Paths 001I, 001J, 001K, 016, & 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 second quarter of 2014, 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 DCCP'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)
04/15/14	Unit 1 ICW	14	0.0	1.9	n/a	n/a
04/15/14	Unit 2 ICW	14	0.0	1.8	n/a	n/a
04/16/14	Unit 1 CCW	3,800	153	0.0	< 2.0	< 1.4
05/14/14	Unit 1 SCW	550	0.0	8.6	n/a	n/a
06/08/14	Unit 1 ICW	14	0.0	1.6	n/a	n/a
06/24/14	Unit 1 SCW	33,100	0.0	8.3	< 2.0	Negative (Camphor Test)

4. Two events affected the results of continuous chlorine monitoring for Unit 2 at Discharge 001 during the second quarter. For each of these events, an engineering evaluation was subsequently completed; as authorized by the Regional Board in accordance with PG&E's January 5, 1994 letter. The event interval, affected monitor, number of affected results, the cause(s), and corrective action(s) taken have been tabulated below. The engineering evaluations were based on recorded intake chemical injection rates, and Unit 2 condenser waterbox inlet chlorine monitoring results. These factors were used to calculate estimates of actual chlorine concentrations for the respective monitor at Discharge 001 during the event interval. The estimates were then used to replace results indicated by the affected monitor except in cases where the monitor result was greater. Results from the engineering evaluations were all below the applicable 89-µg/L discharge limit.

Interval	Affected Monitor	Replaced Readings	Cause	Corrective Actions
04/07/14 to 04/08/14	Unit 2	5	Low sample flow.	Flow restored.
05/14/14 to 05/21/14	Unit 2	0	Quality control check result > upper acceptance limit.	Monitor calibrated.

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the April, May, and June 2014 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 April 09 – 13, 2014, 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 April 09 - 11, 2014, is attached to the CIWQS application submittal. The chronic bioassay results show that toxicity was 1.0 TUC (no chronic toxicity).

B. Monitoring of Receiving Waters

1. Ecological Studies at Diablo Canyon

Ecological studies in the vicinity of Diablo Cove conducted during the second 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 (CCRWWCB) 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 CCRWWCB 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 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 250 parts per billion (ppb) Total Residual Oxidant (TRO) when measured at the inlet waterbox of the condenser. Discharge TRO concentrations measured at the plant outfall remained below NPDES permit limitations and the calculated Ocean Plan limit 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 second quarter with a brief interruption in late May for equipment maintenance activities.

Both conduits of Unit 2 were treated with simultaneous injections of sodium bromide and sodium hypochlorite six times a day throughout the second quarter with a brief interruption in late May for equipment maintenance activities.

APPENDIX 1

DIABLO CANYON POWER PLANT

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

CIWQS Web Application Submittal Print Out and Attached Supporting Documents

eSMR PDF Report

Summary: Quarterly SMR (MONNPDES) report for Q2 2014

Summary: Quarterly SMR (MONNPDES) report for Q2 2014 submitted by Kenneth Cortese (No Title) on 07/18/2014.

Facility Name: PG&E DIABLO CANYON POWER PLANT

Order Number: R3-1990-0009

Waterboard Office: Region 3 - Central Coast

Case Worker: Peter Von Langen

Report Effective Dates: 04/01/2014 - 06/30/2014

No Discharge Periods

Name	Description	Dates	Comments
Diablo M-001			
Diablo M-001D			
Diablo M-001F			
Diablo M-001G			
Diablo M-001H			
Diablo M-001I		04/01/2014 - 06/30/2014	Plant Seawater Evaporators no longer in service.
Diablo M-001J		04/01/2014 - 06/30/2014	Condensate Pump Discharge Header not drained during 2Q14. No effluent discharged.
Diablo M-001K		04/01/2014 - 06/30/2014	Plant Condenser Tube Sheet Leak Detection Dump Tank no longer in service.
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		04/01/2014 - 06/30/2014	Bio Lab Seawater Supply Line Valve Box not drained during 2Q14. No effluent discharged.
Diablo M-017		04/01/2014 - 06/30/2014	Seawater RO System Blowdown Line not drained during 2Q14. Discharge rarely used.
Diablo M-INF			

Self-Determined Violations

No Violations Entered

Attachments

File Name	File Description	Date Uploaded	File Size
Attachment 1 - 2014 2nd Qtr DCP NPDES Worksheets.pdf	Excel workbook for average calculations supporting 2Q14 SMR.	07/17/2014	821508 bytes
Attachment 2 - 2014 2nd Qtr DCP NPDES Contract Lab Results.pdf	Contract Lab Results	07/09/2014	2664677 bytes

Cover Letter (Uploaded File)

Title	Date Uploaded	File Size
PGE DCL2014529 2nd-Q 2014 DSMR Summary.pdf	07/17/2014	919134 bytes

Data Summary

Analytical Results

Location	Parameter	Anal. Method	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Ammonia, Total (as N)	A4500NH : Standard Method (19th) 4500-NH: Nitrogen (Ammonia)	04/10/2014 : 09:52:00	04/22/2014	=	0.21	mg/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_07092014.zip
M-001	Chromium (Total)	DU : Data Unavailable	04/10/2014 : 09:52:00	04/22/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001	Chromium (Total)	DU : Data Unavailable	05/09/2014 : 10:10:00	05/20/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001	Chromium (Total)	DU : Data Unavailable	06/12/2014 : 09:30:00	06/26/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001	Chronic Toxicity	DU : Data Unavailable	04/08/2014 : 09:45:00	04/09/2014	=	1	TUc				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_07092014.zip
M-001	Copper, Total	DU : Data Unavailable	04/10/2014 : 09:52:00	04/22/2014	DNQ	9	ug/L	5		10	No			CDF_Analytical_Calculated_07092014.zip
M-001	Copper, Total	DU : Data Unavailable	05/09/2014 : 10:10:00	05/20/2014	DNQ	6	ug/L	5		10	No			CDF_Analytical_Calculated_07092014.zip
M-001	Copper, Total	DU : Data Unavailable	06/12/2014 : 09:30:00	06/26/2014	DNQ	5	ug/L	5		10	No			CDF_Analytical_Calculated_07092014.zip
M-001	Nickel, Total	DU : Data Unavailable	04/10/2014 : 09:52:00	04/22/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001	Nickel, Total	DU : Data Unavailable	05/09/2014 : 10:10:00	05/20/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001	Nickel, Total	DU : Data Unavailable	06/12/2014 : 09:30:00	06/26/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Anal. Method	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	04/10/2014 : 09:52:00	04/10/2014	=	8	SU				No			CDF_Analytical_Calculated_07092014.zip
M-001	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	05/09/2014 : 10:10:00	05/09/2014	=	7.9	SU				No			CDF_Analytical_Calculated_07092014.zip
M-001	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	06/12/2014 : 09:35:00	06/12/2014	=	8.1	SU				No			CDF_Analytical_Calculated_07092014.zip
M-001	Zinc, Total	DU : Data Unavailable	04/10/2014 : 09:52:00	04/22/2014	DNQ	7	ug/L	5		10	No			CDF_Analytical_Calculated_07092014.zip
M-001	Zinc, Total	DU : Data Unavailable	05/09/2014 : 10:10:00	05/20/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001	Zinc, Total	DU : Data Unavailable	06/12/2014 : 09:30:00	06/26/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001F	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	04/02/2014 : 08:00:00	04/03/2014	ND		mg/L	1.4			No			CDF_Analytical_Calculated_07092014.zip
M-001F	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	05/06/2014 : 06:50:00	05/06/2014	ND		mg/L	1.4			No			CDF_Analytical_Calculated_07092014.zip
M-001F	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	06/03/2014 : 11:50:00	06/18/2014	ND		mg/L	1.4			No			CDF_Analytical_Calculated_07092014.zip
M-001G	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	04/01/2014 : 13:00:00	04/03/2014	ND		mg/L	1.4			No			CDF_Analytical_Calculated_07092014.zip
M-001G	Total Suspended Solids (TSS)	A2540D : Standard Method (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	04/01/2014 : 13:00:00	04/04/2014	ND		mg/L	2			No			CDF_Analytical_Calculated_07092014.zip
M-001G	Total Suspended Solids (TSS)	A2540D : Standard Method (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	05/07/2014 : 12:45:00	05/08/2014	ND		mg/L	2			No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Anal. Method	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001G	Total Suspended Solids (TSS)	A2540D : Standard Method (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	06/03/2014 : 12:30:00	06/06/2014	ND		mg/L	2			No			CDF_Analytical_Calculated_07092014.zip
M-001M	Total Suspended Solids (TSS)	A2540D : Standard Method (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	05/28/2014 : 12:50:00	05/28/2014	DNQ	3	mg/L	2		5	No			CDF_Analytical_Calculated_07092014.zip
M-001P	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	04/09/2014 : 08:35:00	04/17/2014	ND		mg/L	1.4			No			CDF_Analytical_Calculated_07092014.zip
M-003	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	04/09/2014 : 13:10:00	04/17/2014	ND		mg/L	1.4			No			CDF_Analytical_Calculated_07092014.zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	04/09/2014 : 13:10:00	04/09/2014	=	8	SU				No			CDF_Analytical_Calculated_07092014.zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	05/07/2014 : 10:19:00	05/07/2014	=	7.7	SU				No			CDF_Analytical_Calculated_07092014.zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	06/05/2014 : 13:10:00	06/05/2014	=	7.9	SU				No			CDF_Analytical_Calculated_07092014.zip
M-004	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	04/02/2014 : 15:35:00	04/03/2014	ND		mg/L	1.4			No			CDF_Analytical_Calculated_07092014.zip
M-004	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	04/02/2014 : 15:35:00	04/02/2014	=	8	SU				No			CDF_Analytical_Calculated_07092014.zip
M-004	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	05/07/2014 : 10:25:00	05/07/2014	=	7.8	SU				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Anal. Method	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-004	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	06/05/2014 : 13:10:00	06/05/2014	=	7.9	SU				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Ammonia, Total (as N)	A4500NH : Standard Method (19th) 4500-NH: Nitrogen (Ammonia)	04/10/2014 : 09:48:00	04/22/2014	=	0.24	mg/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_07092014.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	04/10/2014 : 09:45:00	04/10/2014	=	8	SU				No			CDF_Analytical_Calculated_07092014.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	05/09/2014 : 10:00:00	05/09/2014	=	7.9	SU				No			CDF_Analytical_Calculated_07092014.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	06/12/2014 : 09:30:00	06/12/2014	=	8.1	SU				No			CDF_Analytical_Calculated_07092014.zip

Calculated Values

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Chlorine Usage	30-Day Average of Daily Averages	04/01/2014 : 00:00:00	04/30/2014	=	546	lb/day				No		Monthly avg result. See Attachment 1, Tab 2	CDF_Analytical_Calculated_07092014.zip
M-001	Chlorine Usage	30-Day Average of Daily Averages	05/01/2014 : 00:00:00	05/31/2014	=	562	lb/day				No		Monthly avg result. See Attachment 1, Tab 3	CDF_Analytical_Calculated_07092014.zip
M-001	Chlorine Usage	30-Day Average of Daily Averages	06/01/2014 : 00:00:00	06/30/2014	=	638	lb/day				No		Monthly avg result. See Attachment 1, Tab 4	CDF_Analytical_Calculated_07092014.zip
M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	04/01/2014 : 00:00:00	04/30/2014	=	30	ug/L				No		Monthly avg result. See Attachment 1, Tab 2	CDF_Analytical_Calculated_07092014.zip
M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	05/01/2014 : 00:00:00	05/31/2014	=	22	ug/L				No		Monthly avg result. See Attachment 1, Tab 3	CDF_Analytical_Calculated_07092014.zip
M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	06/01/2014 : 00:00:00	06/30/2014	=	22	ug/L				No		Monthly avg result. See Attachment 1, Tab 4	CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/01/2014 : 00:00:00	04/01/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/02/2014 : 00:00:00	04/02/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/03/2014 : 00:00:00	04/03/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/04/2014 : 00:00:00	04/04/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/05/2014 : 00:00:00	04/05/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Flow	Daily Discharge	04/06/2014 : 00:00:00	04/06/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/07/2014 : 00:00:00	04/07/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/08/2014 : 00:00:00	04/08/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/09/2014 : 00:00:00	04/09/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/10/2014 : 00:00:00	04/10/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/11/2014 : 00:00:00	04/11/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/12/2014 : 00:00:00	04/12/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/13/2014 : 00:00:00	04/13/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/14/2014 : 00:00:00	04/14/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/15/2014 : 00:00:00	04/15/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/16/2014 : 00:00:00	04/16/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/17/2014 : 00:00:00	04/17/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/18/2014 : 00:00:00	04/18/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/19/2014 : 00:00:00	04/19/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/20/2014 : 00:00:00	04/20/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/21/2014 : 00:00:00	04/21/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/22/2014 : 00:00:00	04/22/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/23/2014 : 00:00:00	04/23/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/24/2014 : 00:00:00	04/24/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/25/2014 : 00:00:00	04/25/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Flow	Daily Discharge	04/26/2014 : 00:00:00	04/26/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/27/2014 : 00:00:00	04/27/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/28/2014 : 00:00:00	04/28/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/29/2014 : 00:00:00	04/29/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	04/30/2014 : 00:00:00	04/30/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/01/2014 : 00:00:00	05/01/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/02/2014 : 00:00:00	05/02/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/03/2014 : 00:00:00	05/03/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/04/2014 : 00:00:00	05/04/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/05/2014 : 00:00:00	05/05/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/06/2014 : 00:00:00	05/06/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/07/2014 : 00:00:00	05/07/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/08/2014 : 00:00:00	05/08/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/09/2014 : 00:00:00	05/09/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/10/2014 : 00:00:00	05/10/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/11/2014 : 00:00:00	05/11/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/12/2014 : 00:00:00	05/12/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/13/2014 : 00:00:00	05/13/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/14/2014 : 00:00:00	05/14/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/15/2014 : 00:00:00	05/15/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Flow	Daily Discharge	05/16/2014 : 00:00:00	05/16/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/17/2014 : 00:00:00	05/17/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/18/2014 : 00:00:00	05/18/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/19/2014 : 00:00:00	05/19/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/20/2014 : 00:00:00	05/20/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/21/2014 : 00:00:00	05/21/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/22/2014 : 00:00:00	05/22/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/23/2014 : 00:00:00	05/23/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/24/2014 : 00:00:00	05/24/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/25/2014 : 00:00:00	05/25/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/26/2014 : 00:00:00	05/26/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/27/2014 : 00:00:00	05/27/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/28/2014 : 00:00:00	05/28/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/29/2014 : 00:00:00	05/29/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/30/2014 : 00:00:00	05/30/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	05/31/2014 : 00:00:00	05/31/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/01/2014 : 00:00:00	06/01/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/02/2014 : 00:00:00	06/02/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/03/2014 : 00:00:00	06/03/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/04/2014 : 00:00:00	06/04/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Flow	Daily Discharge	06/05/2014 : 00:00:00	06/05/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/06/2014 : 00:00:00	06/06/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/07/2014 : 00:00:00	06/07/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/08/2014 : 00:00:00	06/08/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/09/2014 : 00:00:00	06/09/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/10/2014 : 00:00:00	06/10/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/11/2014 : 00:00:00	06/11/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/12/2014 : 00:00:00	06/12/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/13/2014 : 00:00:00	06/13/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/14/2014 : 00:00:00	06/14/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/15/2014 : 00:00:00	06/15/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/16/2014 : 00:00:00	06/16/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/17/2014 : 00:00:00	06/17/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/18/2014 : 00:00:00	06/18/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/19/2014 : 00:00:00	06/19/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/20/2014 : 00:00:00	06/20/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/21/2014 : 00:00:00	06/21/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/22/2014 : 00:00:00	06/22/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/23/2014 : 00:00:00	06/23/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/24/2014 : 00:00:00	06/24/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Flow	Daily Discharge	06/25/2014 : 00:00:00	06/25/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/26/2014 : 00:00:00	06/26/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/27/2014 : 00:00:00	06/27/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/28/2014 : 00:00:00	06/28/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/29/2014 : 00:00:00	06/29/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Flow	Daily Discharge	06/30/2014 : 00:00:00	06/30/2014	=	2486	MGD				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/01/2014 : 00:00:00	04/01/2014	=	71.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/02/2014 : 00:00:00	04/02/2014	=	71.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/03/2014 : 00:00:00	04/03/2014	=	70.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/04/2014 : 00:00:00	04/04/2014	=	71.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/05/2014 : 00:00:00	04/05/2014	=	69.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/06/2014 : 00:00:00	04/06/2014	=	69.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/07/2014 : 00:00:00	04/07/2014	=	70.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/08/2014 : 00:00:00	04/08/2014	=	70.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/09/2014 : 00:00:00	04/09/2014	=	70.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/10/2014 : 00:00:00	04/10/2014	=	70.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/11/2014 : 00:00:00	04/11/2014	=	70	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/12/2014 : 00:00:00	04/12/2014	=	70	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/13/2014 : 00:00:00	04/13/2014	=	70	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/14/2014 : 00:00:00	04/14/2014	=	69.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	24-hour Average	04/15/2014 : 00:00:00	04/15/2014	=	69.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/16/2014 : 00:00:00	04/16/2014	=	69.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/17/2014 : 00:00:00	04/17/2014	=	69.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/18/2014 : 00:00:00	04/18/2014	=	70.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/19/2014 : 00:00:00	04/19/2014	=	70.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/20/2014 : 00:00:00	04/20/2014	=	69.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/21/2014 : 00:00:00	04/21/2014	=	70.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/22/2014 : 00:00:00	04/22/2014	=	70	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/23/2014 : 00:00:00	04/23/2014	=	68.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/24/2014 : 00:00:00	04/24/2014	=	68.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/25/2014 : 00:00:00	04/25/2014	=	68.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/26/2014 : 00:00:00	04/26/2014	=	68.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/27/2014 : 00:00:00	04/27/2014	=	68.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/28/2014 : 00:00:00	04/28/2014	=	68.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/29/2014 : 00:00:00	04/29/2014	=	68.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	04/30/2014 : 00:00:00	04/30/2014	=	69	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/01/2014 : 00:00:00	05/01/2014	=	69.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/02/2014 : 00:00:00	05/02/2014	=	69.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/03/2014 : 00:00:00	05/03/2014	=	68.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/04/2014 : 00:00:00	05/04/2014	=	69.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	24-hour Average	05/05/2014 : 00:00:00	05/05/2014	=	69.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/06/2014 : 00:00:00	05/06/2014	=	68.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/07/2014 : 00:00:00	05/07/2014	=	68.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/08/2014 : 00:00:00	05/08/2014	=	68.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/09/2014 : 00:00:00	05/09/2014	=	68.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/10/2014 : 00:00:00	05/10/2014	=	68.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/11/2014 : 00:00:00	05/11/2014	=	67.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/12/2014 : 00:00:00	05/12/2014	=	68.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/13/2014 : 00:00:00	05/13/2014	=	70	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/14/2014 : 00:00:00	05/14/2014	=	70.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/15/2014 : 00:00:00	05/15/2014	=	70.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/16/2014 : 00:00:00	05/16/2014	=	69.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/17/2014 : 00:00:00	05/17/2014	=	69.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/18/2014 : 00:00:00	05/18/2014	=	69.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/19/2014 : 00:00:00	05/19/2014	=	68.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/20/2014 : 00:00:00	05/20/2014	=	69.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/21/2014 : 00:00:00	05/21/2014	=	69.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/22/2014 : 00:00:00	05/22/2014	=	70.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/23/2014 : 00:00:00	05/23/2014	=	70.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/24/2014 : 00:00:00	05/24/2014	=	71.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	24-hour Average	05/25/2014 : 00:00:00	05/25/2014	=	71.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/26/2014 : 00:00:00	05/26/2014	=	72.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/27/2014 : 00:00:00	05/27/2014	=	71.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/28/2014 : 00:00:00	05/28/2014	=	70.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/29/2014 : 00:00:00	05/29/2014	=	70.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/30/2014 : 00:00:00	05/30/2014	=	71.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	05/31/2014 : 00:00:00	05/31/2014	=	65.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/01/2014 : 00:00:00	06/01/2014	=	69.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/02/2014 : 00:00:00	06/02/2014	=	70.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/03/2014 : 00:00:00	06/03/2014	=	70.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/04/2014 : 00:00:00	06/04/2014	=	70.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/05/2014 : 00:00:00	06/05/2014	=	70.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/06/2014 : 00:00:00	06/06/2014	=	70.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/07/2014 : 00:00:00	06/07/2014	=	70.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/08/2014 : 00:00:00	06/08/2014	=	66.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/09/2014 : 00:00:00	06/09/2014	=	71.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/10/2014 : 00:00:00	06/10/2014	=	73	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/11/2014 : 00:00:00	06/11/2014	=	72.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/12/2014 : 00:00:00	06/12/2014	=	73.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/13/2014 : 00:00:00	06/13/2014	=	72.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	24-hour Average	06/14/2014 : 00:00:00	06/14/2014	=	72.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/15/2014 : 00:00:00	06/15/2014	=	73	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/16/2014 : 00:00:00	06/16/2014	=	72.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/17/2014 : 00:00:00	06/17/2014	=	71.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/18/2014 : 00:00:00	06/18/2014	=	71.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/19/2014 : 00:00:00	06/19/2014	=	72.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/20/2014 : 00:00:00	06/20/2014	=	71.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/21/2014 : 00:00:00	06/21/2014	=	71.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/22/2014 : 00:00:00	06/22/2014	=	71.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/23/2014 : 00:00:00	06/23/2014	=	71.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/24/2014 : 00:00:00	06/24/2014	=	72	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/25/2014 : 00:00:00	06/25/2014	=	71.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/26/2014 : 00:00:00	06/26/2014	=	70.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/27/2014 : 00:00:00	06/27/2014	=	70.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/28/2014 : 00:00:00	06/28/2014	=	70.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/29/2014 : 00:00:00	06/29/2014	=	70.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	24-hour Average	06/30/2014 : 00:00:00	06/30/2014	=	72.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Daily Maximum	04/30/2014 : 00:00:00	04/30/2014	=	71.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Daily Maximum	05/31/2014 : 00:00:00	05/31/2014	=	72.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Daily Maximum	06/30/2014 : 00:00:00	06/30/2014	=	73.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	Delta from Background	04/01/2014 : 00:00:00	04/01/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/02/2014 : 00:00:00	04/02/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/03/2014 : 00:00:00	04/03/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/04/2014 : 00:00:00	04/04/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/05/2014 : 00:00:00	04/05/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/06/2014 : 00:00:00	04/06/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/07/2014 : 00:00:00	04/07/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/08/2014 : 00:00:00	04/08/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/09/2014 : 00:00:00	04/09/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/10/2014 : 00:00:00	04/10/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/11/2014 : 00:00:00	04/11/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/12/2014 : 00:00:00	04/12/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/13/2014 : 00:00:00	04/13/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/14/2014 : 00:00:00	04/14/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/15/2014 : 00:00:00	04/15/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/16/2014 : 00:00:00	04/16/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/17/2014 : 00:00:00	04/17/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/18/2014 : 00:00:00	04/18/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/19/2014 : 00:00:00	04/19/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/20/2014 : 00:00:00	04/20/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	Delta from Background	04/21/2014 : 00:00:00	04/21/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/22/2014 : 00:00:00	04/22/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/23/2014 : 00:00:00	04/23/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/24/2014 : 00:00:00	04/24/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/25/2014 : 00:00:00	04/25/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/26/2014 : 00:00:00	04/26/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/27/2014 : 00:00:00	04/27/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/28/2014 : 00:00:00	04/28/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/29/2014 : 00:00:00	04/29/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	04/30/2014 : 00:00:00	04/30/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/01/2014 : 00:00:00	05/01/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/02/2014 : 00:00:00	05/02/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/03/2014 : 00:00:00	05/03/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/04/2014 : 00:00:00	05/04/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/05/2014 : 00:00:00	05/05/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/06/2014 : 00:00:00	05/06/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/07/2014 : 00:00:00	05/07/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/08/2014 : 00:00:00	05/08/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/09/2014 : 00:00:00	05/09/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/10/2014 : 00:00:00	05/10/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	Delta from Background	05/11/2014 : 00:00:00	05/11/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/12/2014 : 00:00:00	05/12/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/13/2014 : 00:00:00	05/13/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/14/2014 : 00:00:00	05/14/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/15/2014 : 00:00:00	05/15/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/16/2014 : 00:00:00	05/16/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/17/2014 : 00:00:00	05/17/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/18/2014 : 00:00:00	05/18/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/19/2014 : 00:00:00	05/19/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/20/2014 : 00:00:00	05/20/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/21/2014 : 00:00:00	05/21/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/22/2014 : 00:00:00	05/22/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/23/2014 : 00:00:00	05/23/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/24/2014 : 00:00:00	05/24/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/25/2014 : 00:00:00	05/25/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/26/2014 : 00:00:00	05/26/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/27/2014 : 00:00:00	05/27/2014	=	18.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/28/2014 : 00:00:00	05/28/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/29/2014 : 00:00:00	05/29/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	05/30/2014 : 00:00:00	05/30/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	Delta from Background	05/31/2014 : 00:00:00	05/31/2014	=	13.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/01/2014 : 00:00:00	06/01/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/02/2014 : 00:00:00	06/02/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/03/2014 : 00:00:00	06/03/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/04/2014 : 00:00:00	06/04/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/05/2014 : 00:00:00	06/05/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/06/2014 : 00:00:00	06/06/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/07/2014 : 00:00:00	06/07/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/08/2014 : 00:00:00	06/08/2014	=	14.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/09/2014 : 00:00:00	06/09/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/10/2014 : 00:00:00	06/10/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/11/2014 : 00:00:00	06/11/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/12/2014 : 00:00:00	06/12/2014	=	18.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/13/2014 : 00:00:00	06/13/2014	=	18.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/14/2014 : 00:00:00	06/14/2014	=	18.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/15/2014 : 00:00:00	06/15/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/16/2014 : 00:00:00	06/16/2014	=	18.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/17/2014 : 00:00:00	06/17/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/18/2014 : 00:00:00	06/18/2014	=	18.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/19/2014 : 00:00:00	06/19/2014	=	18.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001	Temperature	Delta from Background	06/20/2014 : 00:00:00	06/20/2014	=	18.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/21/2014 : 00:00:00	06/21/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/22/2014 : 00:00:00	06/22/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/23/2014 : 00:00:00	06/23/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/24/2014 : 00:00:00	06/24/2014	=	18.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/25/2014 : 00:00:00	06/25/2014	=	18.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/26/2014 : 00:00:00	06/26/2014	=	18.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/27/2014 : 00:00:00	06/27/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/28/2014 : 00:00:00	06/28/2014	=	18.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/29/2014 : 00:00:00	06/29/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Delta from Background	06/30/2014 : 00:00:00	06/30/2014	=	18.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Monthly Average of Daily Averages	04/30/2014 : 00:00:00	04/30/2014	=	69.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Monthly Average of Daily Averages	05/31/2014 : 00:00:00	05/31/2014	=	69.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001	Temperature	Monthly Average of Daily Averages	06/30/2014 : 00:00:00	06/30/2014	=	71.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-001D	Cadmium, Total	90-Day Mean	04/03/2014 : 00:00:00	06/19/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001D	Chromium (Total)	90-Day Mean	04/03/2014 : 00:00:00	06/19/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001D	Copper, Total	90-Day Mean	04/03/2014 : 00:00:00	06/19/2014	=	14	ug/L				No			CDF_Analytical_Calculated_07092014.zip
M-001D	Lead, Total	90-Day Mean	04/03/2014 : 00:00:00	06/19/2014	DNQ	5	ug/L	5		10	No			CDF_Analytical_Calculated_07092014.zip
M-001D	Mercury, Total	90-Day Mean	04/03/2014 : 00:00:00	06/19/2014	DNQ	0.053	ug/L	.05		.2	No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_07092014.zip
M-001D	Nickel, Total	90-Day Mean	04/03/2014 : 00:00:00	06/19/2014	DNQ	5	ug/L	5		10	No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001D	Oil and Grease	30-Day Average	06/05/2014 : 00:00:00	06/19/2014	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 7	CDF_Analytical_Calculated_07092014.zip
M-001D	Oil and Grease	30-Day Average	04/08/2014 : 00:00:00	04/23/2014	DNQ	1.4	mg/L	1.4		5	No		Monthly avg result. See Attachment 1, Tab 5	CDF_Analytical_Calculated_07092014.zip
M-001D	Oil and Grease	30-Day Average	05/01/2014 : 00:00:00	05/07/2014	DNQ	1.4	mg/L	1.4		5	No		Monthly avg result. See Attachment 1, Tab 6	CDF_Analytical_Calculated_07092014.zip
M-001D	Silver, Total	90-Day Mean	04/03/2014 : 00:00:00	06/19/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	04/08/2014 : 00:00:00	04/23/2014	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 5	CDF_Analytical_Calculated_07092014.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	05/01/2014 : 00:00:00	05/21/2014	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 6	CDF_Analytical_Calculated_07092014.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	06/05/2014 : 00:00:00	06/19/2014	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 7	CDF_Analytical_Calculated_07092014.zip
M-001D	Zinc, Total	90-Day Mean	04/03/2014 : 00:00:00	06/19/2014	=	77	ug/L				No			CDF_Analytical_Calculated_07092014.zip
M-001F	Cadmium, Total	7-Day Average (Mean)	04/02/2014 : 00:00:00	04/09/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001F	Chromium (Total)	7-Day Average (Mean)	04/02/2014 : 00:00:00	04/09/2014	=	20	ug/L				No			CDF_Analytical_Calculated_07092014.zip
M-001F	Copper, Total	7-Day Average (Mean)	04/02/2014 : 00:00:00	04/09/2014	=	12	ug/L				No			CDF_Analytical_Calculated_07092014.zip
M-001F	Lead, Total	7-Day Average (Mean)	04/02/2014 : 00:00:00	04/09/2014	=	10	ug/L				No			CDF_Analytical_Calculated_07092014.zip
M-001F	Mercury, Total	7-Day Average (Mean)	04/02/2014 : 00:00:00	04/09/2014	ND		ug/L	.05			No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_07092014.zip
M-001F	Nickel, Total	7-Day Average (Mean)	04/02/2014 : 00:00:00	04/09/2014	=	14	ug/L				No			CDF_Analytical_Calculated_07092014.zip
M-001F	Silver, Total	7-Day Average (Mean)	04/02/2014 : 00:00:00	04/09/2014	ND		ug/L	5			No			CDF_Analytical_Calculated_07092014.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	04/02/2014 : 08:00:00	04/04/2014	DNQ	3	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_07092014.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	06/03/2014 : 13:50:00	06/06/2014	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_07092014.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	05/01/2014 : 16:40:00	05/02/2014	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_07092014.zip
M-001F	Zinc, Total	7-Day Average (Mean)	04/02/2014 : 00:00:00	04/09/2014	=	37	ug/L				No			CDF_Analytical_Calculated_07092014.zip
M-001H	Cadmium, Total	90-Day Mean	04/01/2014 : 00:00:00	06/17/2014	<	10	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001H	Chromium (Total)	90-Day Mean	04/01/2014 : 00:00:00	06/17/2014	=	40	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001H	Copper, Total	90-Day Mean	04/01/2014 : 00:00:00	06/17/2014	=	65	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001H	Lead, Total	90-Day Mean	04/01/2014 : 00:00:00	06/17/2014	=	26	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001H	Mercury, Total	90-Day Mean	04/01/2014 : 00:00:00	06/17/2014	ND		ug/L	.05			No		Qtrly avg- Att 1 Tab 1 & Att 2 Contract Lab Report	CDF_Analytical_Calculated_07092014.zip
M-001H	Nickel, Total	90-Day Mean	04/01/2014 : 00:00:00	06/17/2014	=	28	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001H	Oil and Grease	30-Day Average of Daily Averages	04/01/2014 : 00:00:00	04/01/2014	ND		mg/L	1.4			No		Avg result for qtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001H	Silver, Total	90-Day Mean	04/01/2014 : 00:00:00	06/17/2014	<	10	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	05/01/2014 : 00:00:00	05/01/2014	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_07092014.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	04/01/2014 : 00:00:00	04/01/2014	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_07092014.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	06/01/2014 : 00:00:00	06/02/2014	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_07092014.zip
M-001H	Zinc, Total	90-Day Mean	04/01/2014 : 00:00:00	06/17/2014	=	19	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001L	Cadmium, Total	90-Day Mean	04/02/2014 : 00:00:00	06/11/2014	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001L	Chromium (Total)	90-Day Mean	04/02/2014 : 00:00:00	06/11/2014	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001L	Copper, Total	90-Day Mean	04/02/2014 : 00:00:00	06/11/2014	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001L	Lead, Total	90-Day Mean	04/02/2014 : 00:00:00	06/11/2014	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001L	Mercury, Total	90-Day Mean	04/02/2014 : 00:00:00	06/11/2014	ND		ug/L	.05			No		Qtrly avg- Att 1 Tab 1 & Att 2 Contract Lab Report	CDF_Analytical_Calculated_07092014.zip
M-001L	Nickel, Total	90-Day Mean	04/02/2014 : 00:00:00	06/11/2014	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001L	Oil and Grease	90-Day Mean	04/03/2014 : 00:00:00	05/29/2014	ND		mg/L	1.4			No		Avg result for qtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001L	Silver, Total	90-Day Mean	04/02/2014 : 00:00:00	06/11/2014	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	04/04/2014 : 00:00:00	04/04/2014	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	05/02/2014 : 00:00:00	05/02/2014	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_07092014.zip
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	06/05/2014 : 00:00:00	06/05/2014	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_07092014.zip
M-001L	Zinc, Total	90-Day Mean	04/02/2014 : 00:00:00	06/11/2014	=	11	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001M	Oil and Grease	30-Day Average of Daily Averages	05/28/2014 : 12:50:00	06/02/2014	ND		mg/L	1.4			No		Avg result for qtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip
M-001N	Oil and Grease	30-Day Average of Daily Averages	04/03/2014 : 00:00:00	04/23/2014	DNQ	0.92	mg/L	.72		5	No		Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001N	Oil and Grease	30-Day Average of Daily Averages	05/01/2014 : 00:00:00	05/28/2014	DNQ	0.72	mg/L	.72		5	No		Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001N	Oil and Grease	30-Day Average of Daily Averages	06/03/2014 : 00:00:00	06/23/2014	DNQ	0.72	mg/L	.72		5	No		Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001N	Settleable Solids	30-Day Average	04/03/2014 : 00:00:00	04/23/2014	DNQ	0.1	ml/L	.1		.1	No		Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001N	Settleable Solids	30-Day Average	05/01/2014 : 00:00:00	05/28/2014	DNQ	0.1	ml/L	.1		.1	No		Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001N	Settleable Solids	30-Day Average	06/03/2014 : 00:00:00	06/23/2014	DNQ	0.1	ml/L	.1		.1	No		Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	04/03/2014 : 00:00:00	04/23/2014	=	12	mg/L				No		Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	05/01/2014 : 00:00:00	05/28/2014	=	6	mg/L				No		Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	06/03/2014 : 00:00:00	06/23/2014	=	3	mg/L				No		Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_07092014.zip
M-001P	pH	Daily Average (Mean)	04/09/2014 : 08:35:00	04/09/2014	=	7.7	SU				No		See Attachment #1, Tab 11	CDF_Analytical_Calculated_07092014.zip
M-001P	pH	Daily Average (Mean)	05/01/2014 : 14:00:00	05/01/2014	=	7.8	SU				No		See Attachment #1, Tab 12	CDF_Analytical_Calculated_07092014.zip
M-001P	pH	Daily Average (Mean)	06/03/2014 : 07:50:00	06/03/2014	=	7.7	SU				No		See Attachment #1, Tab 13	CDF_Analytical_Calculated_07092014.zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	05/01/2014 : 00:00:00	05/01/2014	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_07092014.zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	06/03/2014 : 00:00:00	06/03/2014	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_07092014.zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	04/09/2014 : 00:00:00	04/11/2014	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_07092014.zip
M-002	Oil and Grease	30-Day Average of Daily Averages	04/09/2014 : 00:00:00	04/09/2014	ND		mg/L	1.4			No		Avg result for qtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-002	pH	Daily Average (Mean)	04/09/2014 : 00:00:00	04/09/2014	=	7.9	SU				No		See Attachment #1, Tab 11	CDF_Analytical_Calculated_07092014.zip
M-002	pH	Daily Average (Mean)	05/07/2014 : 00:00:00	05/07/2014	=	7.8	SU				No		See Attachment #1, Tab 12	CDF_Analytical_Calculated_07092014.zip
M-002	pH	Daily Average (Mean)	06/05/2014 : 00:00:00	06/05/2014	=	8	SU				No		See Attachment #1, Tab 13	CDF_Analytical_Calculated_07092014.zip
M-002	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	06/05/2014 : 00:00:00	06/05/2014	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_07092014.zip
M-002	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	05/07/2014 : 00:00:00	05/07/2014	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_07092014.zip
M-002	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	04/09/2014 : 00:00:00	04/11/2014	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_07092014.zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	06/05/2014 : 13:10:00	06/06/2014	=	16	mg/L				No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_07092014.zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	04/09/2014 : 13:10:00	04/11/2014	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_07092014.zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	05/07/2014 : 10:19:00	05/08/2014	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_07092014.zip
M-INF	Chromium (Total)	90-Day Mean	04/10/2014 : 00:00:00	06/12/2014	ND		ug/L	5			No		Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_07092014.zip
M-INF	Copper, Total	90-Day Mean	04/10/2014 : 00:00:00	06/12/2014	DNQ	7	ug/L	5		10	No		Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_07092014.zip
M-INF	Nickel, Total	90-Day Mean	04/10/2014 : 00:00:00	06/12/2014	ND		ug/L	5			No		Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/01/2014 : 00:00:00	04/01/2014	=	53.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/02/2014 : 00:00:00	04/02/2014	=	53.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/03/2014 : 00:00:00	04/03/2014	=	52.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/04/2014 : 00:00:00	04/04/2014	=	53	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/05/2014 : 00:00:00	04/05/2014	=	51.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/06/2014 : 00:00:00	04/06/2014	=	51	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/07/2014 : 00:00:00	04/07/2014	=	52	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/08/2014 : 00:00:00	04/08/2014	=	52.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-INF	Temperature	24-hour Average	04/09/2014 : 00:00:00	04/09/2014	=	52	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/10/2014 : 00:00:00	04/10/2014	=	51.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/11/2014 : 00:00:00	04/11/2014	=	51.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/12/2014 : 00:00:00	04/12/2014	=	51.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/13/2014 : 00:00:00	04/13/2014	=	51.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/14/2014 : 00:00:00	04/14/2014	=	51.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/15/2014 : 00:00:00	04/15/2014	=	51.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/16/2014 : 00:00:00	04/16/2014	=	51	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/17/2014 : 00:00:00	04/17/2014	=	51.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/18/2014 : 00:00:00	04/18/2014	=	52.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/19/2014 : 00:00:00	04/19/2014	=	51.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/20/2014 : 00:00:00	04/20/2014	=	51.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/21/2014 : 00:00:00	04/21/2014	=	52.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/22/2014 : 00:00:00	04/22/2014	=	51.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/23/2014 : 00:00:00	04/23/2014	=	50.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/24/2014 : 00:00:00	04/24/2014	=	50	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/25/2014 : 00:00:00	04/25/2014	=	50.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/26/2014 : 00:00:00	04/26/2014	=	50.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/27/2014 : 00:00:00	04/27/2014	=	50.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/28/2014 : 00:00:00	04/28/2014	=	50.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-INF	Temperature	24-hour Average	04/29/2014 : 00:00:00	04/29/2014	=	50.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	04/30/2014 : 00:00:00	04/30/2014	=	50.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/01/2014 : 00:00:00	05/01/2014	=	51.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/02/2014 : 00:00:00	05/02/2014	=	51.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/03/2014 : 00:00:00	05/03/2014	=	50.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/04/2014 : 00:00:00	05/04/2014	=	50.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/05/2014 : 00:00:00	05/05/2014	=	50.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/06/2014 : 00:00:00	05/06/2014	=	50.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/07/2014 : 00:00:00	05/07/2014	=	50	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/08/2014 : 00:00:00	05/08/2014	=	50.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/09/2014 : 00:00:00	05/09/2014	=	50.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/10/2014 : 00:00:00	05/10/2014	=	50	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/11/2014 : 00:00:00	05/11/2014	=	49.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/12/2014 : 00:00:00	05/12/2014	=	50.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/13/2014 : 00:00:00	05/13/2014	=	51.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/14/2014 : 00:00:00	05/14/2014	=	52.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/15/2014 : 00:00:00	05/15/2014	=	52.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/16/2014 : 00:00:00	05/16/2014	=	51.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/17/2014 : 00:00:00	05/17/2014	=	50.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/18/2014 : 00:00:00	05/18/2014	=	50.8	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-INF	Temperature	24-hour Average	05/19/2014 : 00:00:00	05/19/2014	=	50.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/20/2014 : 00:00:00	05/20/2014	=	51.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/21/2014 : 00:00:00	05/21/2014	=	51.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/22/2014 : 00:00:00	05/22/2014	=	52.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/23/2014 : 00:00:00	05/23/2014	=	52.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/24/2014 : 00:00:00	05/24/2014	=	53	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/25/2014 : 00:00:00	05/25/2014	=	53.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/26/2014 : 00:00:00	05/26/2014	=	53.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/27/2014 : 00:00:00	05/27/2014	=	53.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/28/2014 : 00:00:00	05/28/2014	=	52	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/29/2014 : 00:00:00	05/29/2014	=	52.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/30/2014 : 00:00:00	05/30/2014	=	53.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	05/31/2014 : 00:00:00	05/31/2014	=	51.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/01/2014 : 00:00:00	06/01/2014	=	51.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/02/2014 : 00:00:00	06/02/2014	=	52.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/03/2014 : 00:00:00	06/03/2014	=	52.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/04/2014 : 00:00:00	06/04/2014	=	52	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/05/2014 : 00:00:00	06/05/2014	=	52.2	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/06/2014 : 00:00:00	06/06/2014	=	52.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/07/2014 : 00:00:00	06/07/2014	=	52.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-INF	Temperature	24-hour Average	06/08/2014 : 00:00:00	06/08/2014	=	52.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/09/2014 : 00:00:00	06/09/2014	=	53.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/10/2014 : 00:00:00	06/10/2014	=	54.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/11/2014 : 00:00:00	06/11/2014	=	54.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/12/2014 : 00:00:00	06/12/2014	=	54.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/13/2014 : 00:00:00	06/13/2014	=	54.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/14/2014 : 00:00:00	06/14/2014	=	53.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/15/2014 : 00:00:00	06/15/2014	=	54.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/16/2014 : 00:00:00	06/16/2014	=	54	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/17/2014 : 00:00:00	06/17/2014	=	53.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/18/2014 : 00:00:00	06/18/2014	=	53.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/19/2014 : 00:00:00	06/19/2014	=	53.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/20/2014 : 00:00:00	06/20/2014	=	52.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/21/2014 : 00:00:00	06/21/2014	=	53.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/22/2014 : 00:00:00	06/22/2014	=	53.3	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/23/2014 : 00:00:00	06/23/2014	=	52.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/24/2014 : 00:00:00	06/24/2014	=	53.7	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/25/2014 : 00:00:00	06/25/2014	=	52.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/26/2014 : 00:00:00	06/26/2014	=	52.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/27/2014 : 00:00:00	06/27/2014	=	52.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip

Location	Parameter	Calculation Type	Sample Date/Time	Analysis Date	Qual	Result	Units	MDL	ML	RL	Review Priority Indicator	QA Codes	Comments	Data Source
M-INF	Temperature	24-hour Average	06/28/2014 : 00:00:00	06/28/2014	=	52	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/29/2014 : 00:00:00	06/29/2014	=	52.4	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	24-hour Average	06/30/2014 : 00:00:00	06/30/2014	=	54.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	Daily Maximum	04/30/2014 : 00:00:00	04/30/2014	=	53.6	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	Daily Maximum	05/31/2014 : 00:00:00	05/31/2014	=	53.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	Daily Maximum	06/30/2014 : 00:00:00	06/30/2014	=	54.9	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	Monthly Average of Daily Averages	04/30/2014 : 00:00:00	04/30/2014	=	51.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	Monthly Average of Daily Averages	05/31/2014 : 00:00:00	05/31/2014	=	51.5	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Temperature	Monthly Average of Daily Averages	06/30/2014 : 00:00:00	06/30/2014	=	53.1	Degrees F				No			CDF_Analytical_Calculated_07092014.zip
M-INF	Zinc, Total	90-Day Mean	04/10/2014 : 00:00:00	06/12/2014	ND		ug/L	5			No		Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_07092014.zip

Certificate

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I certify that I am Kenneth Cortese and am authorized to submit this report on behalf of PG&E DIABLO CANYON POWER PLANT. I understand that I am submitting the following report(s):

- Quarterly SMR (MONNPDES) report for Q2 2014 (due 07/20/2014)

I understand that data submitted in this report(s) can be used by authorized agencies for water quality management related analyses and enforcement actions, if required.

I am also aware that my user ID, password, and answer to a challenge question constitute my electronic signature and any information I indicate I am electronically certifying contains my signature. I understand that my electronic signature is the legal equivalent of my handwritten signature. I certify that I have not violated any term in my Electronic Signature Agreement and that I am otherwise without any reason to believe that the confidentiality of my password and challenge question answers have been compromised now or at any time prior to this submission. I understand that this attestation of fact pertains to the implementation, oversight, and enforcement of a federal environmental program and must be true to the best of my knowledge.

Name: Kenneth Cortese

Title: No Title

Diablo Canyon Power Plant - NPDES Data Worksheets
2nd Quarter 2014

	Tab	Information
Go To Tab 1	1	Miscellaneous Quarterly Duplicate Averages
Go To Tab 2	2	Circulating Water Chlorine Residual - April
Go To Tab 3	3	Circulating Water Chlorine Residual - May
Go To Tab 4	4	Circulating Water Chlorine Residual - June
Go To Tab 5	5	001D Flow Weighted Averages For TSS and O&G - April
Go To Tab 6	6	001D Flow Weighted Averages For TSS and O&G - May
Go To Tab 7	7	001D Flow Weighted Averages For TSS and O&G - June
Go To Tab 8	8	001N TSS, SS and O&G - April
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Go To Tab 10	10	001N TSS, SS and O&G - June
Go To Tab 11	11	Miscellaneous Duplicates - April
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	A	B	C	D	E	F	G	H	I
1									
2		Miscellaneous Quarterly Average Calculations for Quarterly eSMR							
3									
4		- For Influent and Quarterly Metals, fill in highlighted cells only. Subsequent cells will be filled in automatically.							
5		10 µg/L is DCPD Lab Reporting Limit. ALS Environmental results are included in Contractor Lab data.							
6									
7		Sample Date	Analysis Date	Lab	Comment	Parameter	Results	Average for Quarter	
8									
9		4/10/2014	4/22/2014	DCPD		Influent Cr	ND(5)	ND(5)	
10		5/9/2014	5/20/2014	DCPD		Influent Cr	ND(5)		
11		6/12/2014	6/26/2014	DCPD		Influent Cr	ND(5)		
12									
13		4/10/2014	4/22/2014	DCPD		Influent Cu	DNQ(9)	DNQ(7)	
14		5/9/2014	5/20/2014	DCPD		Influent Cu	DNQ(7)		
15		6/12/2014	6/26/2014	DCPD		Influent Cu	DNQ(5)		
16									
17		4/10/2014	4/22/2014	DCPD		Influent Ni	ND(5)	ND(5)	
18		5/9/2014	5/20/2014	DCPD		Influent Ni	ND(5)		
19		6/12/2014	6/26/2014	DCPD		Influent Ni	ND(5)		
20									
21		4/10/2014	4/22/2014	DCPD		Influent Zn	ND(5)	ND(5)	
22		5/9/2014	5/20/2014	DCPD		Influent Zn	ND(5)		
23		6/12/2014	6/26/2014	DCPD		Influent Zn	ND(5)		
24									
25									
26		Sample Date	Analysis Date	Location	Unit	Parameter	Results	Average for Quarter	
27									
28		4/1/2014	4/3/2014	001H	1	O&G	ND(1.4)	ND(1.4)	
29		4/1/2014	4/3/2014	001H	2	O&G	ND(1.4)		
30									
31		5/28/2014	5/29/2014	001M	N/A	O&G	ND(1.4)	ND(1.4)	
32		5/28/2014	6/2/2014	001M	N/A	O&G	ND(1.4)		
33									
34		4/3/2014	4/3/2014	001L	1	O&G	ND(1.4)	ND(1.4)	
35		4/17/2014	4/17/2014	001L	2	O&G	ND(1.4)		
36		5/29/2014	5/29/2014	001L	1	O&G	ND(1.4)		
37		6/2/2014	6/2/2014	001L	2	O&G	ND(1.4)		
38									
39		4/9/2014	4/17/2014	002	1	O&G	ND(1.4)	ND(1.4)	
40		4/9/2014	4/17/2014	002	2	O&G	ND(1.4)		
41									
42		4/1 to 6/16/2014	6/26/2014	001H	1	Ag	ND(5)	<10	
43		4/1 to 6/17/2014	6/26/2014	001H	2	Ag	14		
44									
45		4/1 to 6/16/2014	6/26/2014	001H	1	Cd	ND(5)	<10	
46		4/1 to 6/17/2014	6/26/2014	001H	2	Cd	15		
47									
48		4/1 to 6/16/2014	6/26/2014	001H	1	Cr	33	40	
49		4/1 to 6/17/2014	6/26/2014	001H	2	Cr	47		
50									
51		4/1 to 6/16/2014	6/26/2014	001H	1	Cu	59	65	
52		4/1 to 6/17/2014	6/26/2014	001H	2	Cu	71		
53									
54		4/1 to 6/16/2014	6/26/2014	001H	1	Ni	21	28	
55		4/1 to 6/17/2014	6/26/2014	001H	2	Ni	35		
56									
57		4/1 to 6/16/2014	6/26/2014	001H	1	Pb	21	26	
58		4/1 to 6/17/2014	6/26/2014	001H	2	Pb	31		
59									
60		4/1 to 6/16/2014	6/26/2014	001H	1	Zn	12	19	
61		4/1 to 6/17/2014	6/26/2014	001H	2	Zn	26		
62									
63		4/1 to 6/16/2014	6/24/2014	001H	1	Hg	ND(0.050)	ND(0.050)	
64		4/1 to 6/17/2014	6/24/2014	001H	2	Hg	ND(0.050)		
65									
66									
67		4/2 to 6/11/2014	6/26/2014	001L	1	Ag	ND(5)	ND(5)	
68		4/2 to 6/11/2014	6/26/2014	001L	2	Ag	ND(5)		
69									
70		4/2 to 6/11/2014	6/26/2014	001L	1	Cd	ND(5)	ND(5)	
71		4/2 to 6/11/2014	6/26/2014	001L	2	Cd	ND(5)		
72									
73		4/2 to 6/11/2014	6/26/2014	001L	1	Cr	ND(5)	ND(5)	
74		4/2 to 6/11/2014	6/26/2014	001L	2	Cr	ND(5)		
75									
76		4/2 to 6/11/2014	6/26/2014	001L	1	Cu	ND(5)	ND(5)	
77		4/2 to 6/11/2014	6/26/2014	001L	2	Cu	ND(5)		
78									
79		4/2 to 6/11/2014	6/26/2014	001L	1	Ni	ND(5)	ND(5)	
80		4/2 to 6/11/2014	6/26/2014	001L	2	Ni	ND(5)		
81									
82		4/2 to 6/11/2014	6/26/2014	001L	1	Pb	ND(5)	ND(5)	
83		4/2 to 6/11/2014	6/26/2014	001L	2	Pb	ND(5)		
84									
85		4/2 to 6/11/2014	6/26/2014	001L	1	Zn	DNQ(5)	11	
86		4/2 to 6/11/2014	6/26/2014	001L	2	Zn	21		
87									
88		4/2 to 6/11/2014	6/24/2014	001L	1	Hg	ND(0.050)	ND(0.050)	
89		4/2 to 6/11/2014	6/24/2014	001L	2	Hg	ND(0.050)		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2		Chlorine for eSMR														
3																
4		FILL IN ONLY SHADED/COLORED CELLS														
5																
6		Date														
7		4/1/2014	4/2/2014	4/3/2014	4/4/2014	4/5/2014	4/6/2014	4/7/2014	4/8/2014	4/9/2014	4/10/2014	4/11/2014	4/12/2014	4/13/2014	4/14/2014	4/15/2014
8	Unit 1 TRC (ppb)	11	12	11	<10	22	24	22	15	14	18	14	20	24	27	32
9		<10	<10	13	<10	22	27	18	22	22	18	20	20	20	29	29
10		<10	20	13	<10	22	22	18	12	17	15	17	24	17	35	27
11		<10	<10	12	11	24	22	18	<10	20	<10	20	15	27	29	27
12		<10	<10	12	<10	24	24	24	27	17	14	18	20	29	24	32
13		<10	<10	<10	15	20	20	18	29	15	22	20	15	27	24	27
14	Unit 1 Cl2 Use (lbs)	230.4	230.4	230.4	252	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6	273.6
15	Unit 2 TRC (ppb)	12	14	22	18	28	26	24	21	20	34	34	41	31	26	26
16		18	12	24	12	28	26	24	23	26	34	31	41	28	38	28
17		10	18	20	<10	24	26	26	19	20	24	31	34	31	24	28
18		14	11	18	24	28	31	23	23	28	12	31	38	31	31	<10
19		<10	<10	14	16	26	34	23	22	34	22	28	31	26	31	<10
20		<10	16	18	26	31	26	24	16	38	34	31	24	31	28	<10
21	Unit 2 Cl2 Use (lbs)	273.6	273.6	273.6	288	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	230.4
22																
23		11	20	13	15	24	27	24	29	22	22	20	24	29	35	32
24		18	18	24	26	31	34	26	23	38	34	34	41	31	38	28
25	Daily Maximum TRC (ppb)	18	20	24	26	31	34	26	29	38	34	34	41	31	38	32
26	Daily Cl2 Use (lbs)	504	504	504	540	576	576	576	576	576	576	576	576	576	576	504
27																
28																
29																
30																
31																
32																
33																
34																
35																

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1																	
2																	
3																	
4																	
5																	
6																	
7	4/16/2014	4/17/2014	4/18/2014	4/19/2014	4/20/2014	4/21/2014	4/22/2014	4/23/2014	4/24/2014	4/25/2014	4/26/2014	4/27/2014	4/28/2014	4/29/2014	4/30/2014	5/1/2014	
8	32	24	15	17	29	14	18	27	24	29	22	20	22	18	22		
9	35	32	14	11	29	15	20	22	27	35	27	24	29	20	18		
10	32	24	<10	18	24	12	29	27	29	27	29	29	22	29	14		
11	24	<10	<10	13	18	20	22	27	32	20	22	24	20	32	20		
12	22	<10	13	24	17	20	18	29	32	18	27	24	27	24	<10		
13	27	14	22	15	17	18	27	22	27	17	24	15	17	17	15		
14	273.6	259.2	244.8	244.8	244.8	252	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2		
15	<10	31	16	24	22	16	24	28	31	31	18	18	20	15	16		
16	<10	41	20	26	26	14	24	24	26	28	20	22	24	20	26		
17	34	31	14	22	24	18	26	24	28	26	24	22	20	18	20		
18	31	15	<10	24	28	22	20	26	28	26	24	24	18	18	12		
19	38	<10	15	24	18	22	24	34	26	22	18	18	20	22	15		
20	34	20	22	31	20	20	28	28	26	16	22	15	20	15	15		
21	242.4	288.0	273.6	273.6	273.6	280.8	288.0	288.0	288.0	288.0	288.0	288.0	288	288	288		
22																	
23	35	32	22	24	29	20	29	29	32	35	29	29	29	32	22	0	
24	38	41	22	31	28	22	28	34	31	31	24	24	24	22	26	0	
25	38	41	22	31	29	22	29	34	32	35	29	29	29	32	26	0	
26	516	547	518	518	518	533	547	547	547	547	547	547	547	547	547	0	
27														Chlorine	(ppb)	(lbs/day)	
28														Monthly Average	30	546	
29														Maximum	41	576	
30														Minimum	18	504	
31														Verify that values have correct references.			
32														5/21/14 cdg2 Verified all row calcs to end at col AE for 30-day month.			
33																	
34																	
35																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2		Chlorine for eSMR														
3																
4		FILL IN ONLY SHADED/COLORED CELLS														
5																
6		Date														
7		5/1/2014	5/2/2014	5/3/2014	5/4/2014	5/5/2014	5/6/2014	5/7/2014	5/8/2014	5/9/2014	5/10/2014	5/11/2014	5/12/2014	5/13/2014	5/14/2014	5/15/2014
8	Unit 1 TRC (ppb)	<10	12	20	20	<10	<10	15	<10	<10	<10	17	<10	<10	<10	<10
9		20	24	20	14	13	17	<10	<10	<10	<10	12	<10	<10	<10	12
10		20	12	18	15	<10	24	20	<10	<10	<10	<10	<10	13	<10	12
11		<10	<10	24	15	13	<10	12	11	<10	17	17	<10	<10	<10	15
12		20	22	20	24	18	<10	20	<10	<10	12	15	<10	<10	<10	18
13		<10	15	20	13	22	24	<10	<10	<10	<10	15	<10	<10	<10	12
14	Unit 1 Cl2 Use (lbs)	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	268.8	316.8
15	Unit 2 TRC (ppb)	14	18	22	18	18	16	18	26	26	16	26	26	<10	<10	<10
16		20	24	22	22	18	22	20	26	20	20	26	22	12	<10	<10
17		18	16	22	20	16	26	24	22	24	20	24	22	14	<10	<10
18		18	20	15	16	22	11	26	16	16	22	28	<10	<10	<10	10
19		14	24	26	20	24	16	34	20	14	22	26	12	<10	<10	10
20		18	22	22	18	20	24	28	28	15	16	24	16	<10	<10	<10
21	Unit 2 Cl2 Use (lbs)	288	288	288	288	288	288	288	288	288	288	288	288	288	302.4	316.8
22																
23		20	24	24	24	22	24	20	11	0	17	17	0	13	0	18
24		20	24	26	22	24	26	34	28	26	22	28	26	14	0	10
25	Daily Maximum TRC (ppb)	20	24	26	24	24	26	34	28	26	22	28	26	14	0	18
26	Daily Cl2 Use (lbs)	547	547	547	547	547	547	547	547	547	547	547	547	557	605	634
27																
28																
29																
30																
31																
32																
33																
34																
35																

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1																	
2																	
3																	
4																	
5																	
6																	
7	5/16/2014	5/17/2014	5/18/2014	5/19/2014	5/20/2014	5/21/2014	5/22/2014	5/23/2014	5/24/2014	5/25/2014	5/26/2014	5/27/2014	5/28/2014	5/29/2014	5/30/2014	5/31/2014	
8	15	17	18	17	32	18	20	14	<10	<10	<10	<10	17	24	18	21	
9	17	24	22	24	32	20	14	<10	<10	<10	<10	<10	14	18	17	29	
10	18	20	22	29	38	18	<10	<10	<10	<10	<10	<10	14	20	20	29	
11	24	27	17	42	11	22	<10	<10	<10	<10	<10	17	22	27	17	24	
12	24	27	22	38	13	11	<10	<10	no injection	<10	<10	11	17	17	12	29	
13	24	27	20	38	22	14	<10	<10	<10	<10	<10	14	18	15	13	29	
14	316.8	316.8	316.8	307.2	273.6	259.2	259.2	194.4	129.6	259.2	259.2	266.4	273.6	273.6	273.6	273.6	
15	<10	15	15	15	15	24	12	14	<10	<10	<10	<10	<10	16	10	14	
16	12	16	18	16	20	31	10	<10	<10	<10	<10	<10	<10	14	12	15	
17	<10	20	16	18	20	26	<10	<10	<10	<10	<10	<10	<10	10	<10	12	17
18	<10	12	15	18	28	14	<10	<10	no injection	<10	<10	<10	10	21	10	12	
19	16	18	15	16	22	11	<10	<10	no injection	<10	<10	<10	10	12	<10	22	
20	11	18	12	16	18	14	<10	<10	<10	<10	<10	<10	11	<10	10	24	
21	316.8	316.8	316.8	309.2	316.8	324	316.8	237.6	132	316.8	316.8	316.8	316.8	316.8	316.8	316.8	
22																	
23	24	27	22	42	38	22	20	14	0	0	0	17	22	27	20	29	
24	16	20	18	18	28	31	12	14	0	0	0	0	11	21	12	24	
25	24	27	22	42	38	31	20	14	0	0	0	17	22	27	20	29	
26	634	634	634	616	590	583	576	432	262	576	576	583	590	590	590	590	
27														Chlorine	(ppb)	(lbs/day)	
28														Monthly			
29														Average	22	562	
30														Maximum	42	634	
31														Minimum	0	262	
32														Verify that values have correct references.			
33														5/21/14 cdg2 Verified all row calcs to end at col AF for 31-day month.			
34																	
35																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2		Chlorine for eSMR														
3																
4		FILL IN ONLY SHADED/COLORED CELLS														
5																
6		Date														
7		6/1/2014	6/2/2014	6/3/2014	6/4/2014	6/5/2014	6/6/2014	6/7/2014	6/8/2014	6/9/2014	6/10/2014	6/11/2014	6/12/2014	6/13/2014	6/14/2014	6/15/2014
8	Unit 1 TRC (ppb)	22	18	24	17	27	20	13	14	15	14	<10	<10	15	13	12
9		29	18	18	18	24	35	20	18	14	14	12	<10	<10	14	15
10		24	22	17	17	27	20	20	18	14	12	15	<10	<10	13	12
11		20	<10	13	28	18	22	17	18	18	20	15	12	14	13	<10
12		22	24	15	28	18	18	14	15	14	15	15	14	17	13	11
13		24	17	12	27	24	18	14	15	13	<10	12	15	14	14	<10
14	Unit 1 Cl2 Use (lbs)	273.6	273.6	273.6	280.8	288.0	288.0	288.0	288.0	288.0	302.4	316.8	324.0	331.2	331.2	331.2
15	Unit 2 TRC (ppb)	24	20	15	16	21	13	12	13	11	<10	10	<10	13	17	13
16		24	18	16	12	17	16	14	16	11	10	12	<10	<10	14	17
17		24	14	14	18	19	19	16	11	11	<10	11	<10	<10	17	11
18		15	12	12	25	19	12	11	17	<10	13	19	14	19	13	<10
19		22	20	12	21	14	14	<10	21	12	14	17	14	17	16	<10
20		16	11	<10	21	14	16	12	13	<10	11	14	13	16	11	10
21	Unit 2 Cl2 Use (lbs)	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	331.2	345.6	345.6	345.6	345.6	345.6
22																
23		29	24	24	28	27	35	20	18	18	20	15	15	17	14	15
24		24	20	16	25	21	19	16	21	12	14	19	14	19	17	17
25	Daily Maximum TRC (ppb)	29	24	24	28	27	35	20	21	18	20	19	15	19	17	17
26	Daily Cl2 Use (lbs)	590	590	590	598	605	605	605	605	605	634	662	670	677	677	677
27																
28																
29																
30																
31																
32																
33																
34																
35																

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1																	
2																	
3																	
4																	
5																	
6																	
7	6/16/2014	6/17/2014	6/18/2014	6/19/2014	6/20/2014	6/21/2014	6/22/2014	6/23/2014	6/24/2014	6/25/2014	6/26/2014	6/27/2014	6/28/2014	6/29/2014	6/30/2014	7/1/2014	
8	<10	15	<10	<10	13	13	15	11	14	13	17	27	20	22	15		
9	13	17	13	<10	15	12	14	13	15	15	22	27	20	18	14		
10	11	15	15	<10	13	<10	12	<10	13	12	18	22	15	15	11		
11	14	14	<10	11	11	12	11	20	20	17	24	20	22	17	<10		
12	15	20	17	11	13	13	<10	17	14	18	22	12	18	17	<10		
13	13	12	<10	14	13	14	<10	17	14	14	22	18	18	15	<10		
14	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	321.6	302.4	302.4	302.4		
15	14	23	14	16	23	13	17	17	21	19	13	19	19	16	11		
16	14	23	19	10	19	14	21	17	21	19	14	21	14	16	12		
17	12	23	16	11	17	14	16	16	16	19	16	19	14	13	<10		
18	23	21	12	<10	12	12	13	21	21	14	19	18	17	21	<10		
19	25	19	17	12	13	16	12	17	14	14	19	<10	16	13	<10		
20	19	16	10	16	16	17	16	23	17	13	17	13	14	10	<10		
21	345.6	345.6	345.6	345.6	345.6	345.6	345.6	331.2	316.8	316.8	316.8	307.2	288.0	288.0	288.0		
22																	
23	15	20	17	14	15	14	15	20	20	18	24	27	22	22	15	0	
24	25	23	19	16	23	17	21	23	21	19	19	21	19	21	12	0	
25	25	23	19	16	23	17	21	23	21	19	24	27	22	22	15	0	
26	677	677	677	677	677	677	677	662	648	648	648	629	590	590	590	0	
27														Chlorine	(ppb)	(lbs/day)	
28														Monthly Average	22	638	
29														Maximum	35	677	
30														Minimum	15	590	
31														Verify that values have correct references.			
32														5/21/14 cdg2 Verified all row calcs to end at col AE for 30-day month.			
33																	
34																	
35																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2															
3		LRW TSS Data													
4		2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.													
5		Results are reported to the Water Board to whole numbers only (no tenths).													
6															
8	System	Batch	Tank	Volume	Discharge Date	Status	Filter 1	Filter 2	Net TSS	TSS for avg.	Weight	Weighted TSS	Unused Volumes		
9	LRW	55	LDT 0-1		4/3/2014 7:00	O							15,836		
10	LRW	56	CDT 0-2	549	4/8/2014 7:20	O	9.3	1.5	7.8	9	0.02	0.16			
11	LRW		CDT 0-2 dup				11.1	2.0	9.1						
12	LRW	57	LDT 0-2	15010	4/8/2014 10:29	O	<2	#N/A	<2	0	0.48	0.00			
13	LRW		LDT 0-2 dup				<2	#N/A	<2						
14	LRW	58	LDT 0-1	15843	4/23/2014 6:55	O	<2	#N/A	<2	0	0.50	0.00			
15	LRW		LDT 0-1 dup				<2	#N/A	<2						
16	LRW	59	LDT 0-2		4/28/2014 8:45	O							16,020		
17	LRW														
18	LRW														
19	LRW														
20	LRW														
21	LRW														
22	LRW														
23	LRW														
24	LRW														
25	LRW														
26	LRW														
27	LRW														
28	LRW														
29	LRW														
30	LRW														
31	LRW														
32	LRW														
33	LRW														
34	LRW														
35	LRW														
36	LRW														
37	LRW														
38	LRW														
39															
40	total volume of sampled tanks:			31,402						total sum of volume weights:	1.00	Monthly LRW TSS Average			
41												0.16			
42												Report <5 to reflect CDT 0-2 > RL			
43															
44															
45	001D	G&O Data													
46															
47		1.4 mg/L is MDL. 5.0 mg/L is Reporting Limit.													
48		Results are reported to the Water Board to the nearest tenth mg/L.													
50	System	Batch	Tank	Volume	Discharge Date	Status	Result	G&O for avg.	Weight	W. G&O	Unused Volumes				
51	LRW	56	CDT 0-2	549	4/8/2014 7:20	O	DNQ(3.9)	3.9	0.02	0.07					
52	LRW	57	LDT 0-2	15010	4/8/2014 10:29	O	ND(1.4)	0.0	0.48	0.00					
53	LRW	58	LDT 0-1	15843	4/23/2014 6:55	O	ND(1.4)	0.0	0.50	0.00					
54	LRW														
55	LRW														
56	LRW														
57	LRW														
58	LRW														
59	LRW														
60															
61	total volume of sampled tanks:			31,402						total sum of volume weights:	1.00	Monthly G&O Average			
62												0.1			
63												Report DNQ(1.4) to reflect CDT 0-2 >MDL and <RL			
64															
65															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2															
3		LRW TSS Data													
4		2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.													
5		Results are reported to the Water Board to whole numbers only (no tenths).													
6															
8		System	Batch	Tank	Volume	Discharge Date	Status	Filter 1	Filter 2	Net TSS	TSS for avg.	Weight	Weighted TSS	Unused Volumes	
9		LRW	60	PWR 0-2	10643	5/1/2014 9:28	O	0.4	none	<2	0.0	0.32	0.00		
10		LRW	61	PWR 0-1	8909	5/6/2014 8:50	O	<2	none	<2	0.0	0.27	0.00		
11		LRW		PWR 0-1 dup				<2	none	<2					
12		LRW	62	CDT 0-1	468	5/7/2014 8:50	O	37.0	13.0	24.0	26.0	0.01	0.37		
13		LRW		CDT 0-1 dup				39.0	11.0	28.0					
14		LRW	63	PWR 0-2		5/8/2014 8:43	O							11,219	
15		LRW	64	PWR 0-1		5/20/2014 8:25	O							8,486	
16		LRW	65	LDT 0-1	13188	5/21/2014 8:36	O	<2	none	<2	0.0	0.40	0.00		
17		LRW		LDT 0-1 dup				<2	none	<2					
18		LRW													
19		LRW													
20		LRW													
21		LRW													
22		LRW													
23		LRW													
24		LRW													
25		LRW													
26		LRW													
27		LRW													
28		LRW													
29		LRW													
30		LRW													
31		LRW													
32		LRW													
33		LRW													
34		LRW													
35		LRW													
36		LRW													
37		LRW													
38		LRW													
39															
40		total volume of sampled tanks:			33,208					total sum of volume weights:	1.00		Monthly LRW TSS Average		
41													0.4		
42													Report <5 because CDT 0-1 results >RL		
43															
44															
45		001D	G&O Data												
46															
47		1.4 mg/L is MDL. 5.0 mg/L is Reporting Limit.													
48		Results are reported to the Water Board to the nearest tenth mg/L.													
50		System	Batch	Tank	Volume	Discharge Date	Status	Result	G&O for avg.	Weight	W. G&O	Unused Volumes			
51		LRW	60	PWR 0-2	10643	5/1/2014 9:28	O	ND(1.4)	0.0	0.53	0.00				
52		LRW	61	PWR 0-1	8909	5/6/2014 8:50	O	ND(1.4)	0.0	0.45	0.00				
53		LRW	62	CDT 0-1	468	5/7/2014 8:50	O	DNQ(2.9)	2.9	0.02	0.07				
54		LRW													
55		LRW													
56		LRW													
57		LRW													
58		LRW													
59		LRW													
60															
61		total volume of sampled tanks:			20,020					total sum of volume weights:	1.00		Monthly G&O Average		
62													0.1		
63													Report DNQ(1.4) because CDT 0-1 result >MDL and <RL		
64															
65															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2															
3		LRW TSS Data													
4		2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.													
5		Results are reported to the Water Board to whole numbers only (no tenths).													
6															
8	System	Batch	Tank	Volume	Discharge Date	Status	Filter 1	Filter 2	Net TSS	TSS for avg.	Weight	Weighted TSS	Unused Volumes		
9	LRW	66	LDT 0-2	15764	6/5/2014 8:18	O	0.9	#N/A	<2	0.0	0.945	0.00			
10	LRW		LDT 0-2 dup				0.8	#N/A	<2						
11	LRW	67	CDT 0-2	513	6/5/2014 14:13	O	48.0	0.0	48.0	48.0	0.031	1.48			
12	LRW		CDT 0-2 dup				48.0	0.0	48.0						
13	LRW	68	LDT 0-1		6/8/2014 9:38	O								15,373	
14	LRW	69	LDT 0-2		6/16/2014 8:45	O								15,417	
15	LRW	70	LDT 0-1		6/17/2014 9:35	O								15,697	
16	LRW	71	CDT 0-1	405	6/19/2014 9:45	O	28.4	4.0	24.4	27.4	0.024	0.67			
17	LRW		CDT 0-1 dup				35.6	5.2	30.4						
18	LRW														
19	LRW														
20	LRW														
21	LRW														
22	LRW														
23	LRW														
24	LRW														
25	LRW														
26	LRW														
27	LRW														
28	LRW														
29	LRW														
30	LRW														
31	LRW														
32	LRW														
33	LRW														
34	LRW														
35	LRW														
36	LRW														
37	LRW														
38	LRW														
39															
40		total volume of sampled tanks:			16,682					total sum of volume weights:	1.00		Monthly LRW TSS Average		
41													2.14		
42													Report <5 because CDTs >RL		
43															
44															
45		001D	G&O Data												
46															
47		1.4 mg/L is MDL. 5.0 mg/L is Reporting Limit.													
48		Results are reported to the Water Board to the nearest tenth mg/L.													
50	System	Batch	Tank	Volume	Discharge Date	Status	Result	G&O for avg.	Weight	W. G&O	Unused Volumes				
51	LRW	66	LDT 0-2	15764	6/5/2014 8:18	O	ND(1.4)	0.0	0.94	0.0					
52	LRW	67	CDT 0-2	513	6/5/2014 14:13	O	13.3	14.2	0.03	0.4					
53	LRW		CDT 0-2 O&G reanalysis				15.0								
54	LRW	71	CDT 0-1	405	6/19/2014 9:45	O	5.3	5.3	0.02	0.1					
55	LRW														
56	LRW														
57	LRW														
58	LRW														
59	LRW														
60															
61		total volume of sampled tanks:			16,682				total sum of volume weights:	1.00		Monthly G&O Average			
62												0.6			
63												Report <5.0 because CDTs >RL			
64															
65															

	A	B	C	D	E	F	G
1							
2							
3		001N Monthly Average Calculations					
4		NOTE: Values <Reporting Limit are treated as 0 when averaged with values ≥ RL.					
5		All Results on this sheet are included in Vendor Laboratory Data					
6							
7		0.72 mg/L is O&G method 1664 MDL for BSK Lab.					
8		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							
14		Day	Result	Daily Average	Average Qualifier	Results for Monthly Average	Report Monthly Average
15		4/3/2014	DNQ(0.88)	DNQ(0.89)	DNQ	0.89	DNQ(0.92)
16			ND(0.72)				
17			DNQ(1.8)				
18		4/10/2014	ND(0.72)	DNQ(0.72)	DNQ	0.72	Daily Maximum
19			ND(0.72)				DNQ(1.29)
20			DNQ(0.99)				
21		4/15/2014	ND(0.72)	DNQ(0.77)	DNQ	0.77	
22			DNQ(1.2)				
23			DNQ(1.1)				
24		4/23/2014	DNQ(0.98)	DNQ(1.29)	DNQ	1.29	
25			DNQ(1.5)				
26			DNQ(1.4)				
27							
28							
29							
30							
31							
32		Total Suspended Solids (mg/L)					
33							
34		Day	Result	Result for Average		Monthly Average	
35		4/3/2014	18	18		12	
36		4/10/2014	19	19			
37		4/15/2014	ND(2.57)	0		Daily Maximum	
38		4/23/2014	10	10		19	
39							
40							
41							
42		Settleable Solids (mL/L)					
43							
44		Day	Result	Daily Average		Monthly Average	
45		4/3/2014	DNQ(0.1)	DNQ(0.1)		DNQ(0.1)	
46		4/10/2014	DNQ(0.1)	DNQ(0.1)			
47		4/15/2014	DNQ(0.1)	DNQ(0.1)		Daily Maximum	
48		4/23/2014	DNQ(0.1)	DNQ(0.1)		DNQ(0.1)	
49							
50							
51							
52							

	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 with values ≥ RL.					
5		All Results on this sheet are included in Vendor Laboratory Data					
6							
7		0.72 mg/L is O&G method 1664 MDL for BSK Lab.					
8		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							
14		Day	Result	Daily Average	Average Qualifier	Results for Monthly Average	Report Monthly Average
15		5/1/2014	ND(0.72)	0.0	ND	ND(0.72)	DNQ(0.72)
16			ND(0.72)				
17			ND(0.72)				
18		5/7/2014	ND(0.72)	0.0	ND	ND(0.72)	Daily Maximum
19			ND(0.72)				DNQ(0.72)
20			ND(0.72)				
21		5/13/2014	ND(0.72)	0.0	ND	ND(0.72)	
22			ND(0.72)				
23			ND(0.72)				
24		5/21/2014	ND(0.72)	0.0	ND	ND(0.72)	
25			ND(0.72)				
26			ND(0.72)				
27		5/28/2014	DNQ(1.2)	0.72	DNQ	DNQ(0.72)	
28			ND(0.72)				
29			DNQ(0.97)				
30							
31							
32		Total Suspended Solids (mg/L)					
33							
34		Day	Result	Result for Average		Monthly Average	
35		5/1/2014	7	7		6	
36		5/7/2014	8	8			
37		5/13/2014	5	5		Daily Maximum	
38		5/21/2014	4	4		8	
39		5/28/2014	7	7			
40							
41							
42		Settleable Solids (ml/L)					
43							
44		Day	Result	Daily Average		Monthly Average	
45		5/1/2014	DNQ(0.1)	DNQ(0.1)		DNQ(0.1)	
46		5/7/2014	DNQ(0.1)	DNQ(0.1)			
47		5/13/2014	DNQ(0.1)	DNQ(0.1)		Daily Maximum	
48		5/21/2014	DNQ(0.1)	DNQ(0.1)		DNQ(0.1)	
49		5/28/2014	DNQ(0.1)	DNQ(0.1)			
50							
51							
52							

	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 with values ≥ RL.					
5		All Results on this sheet are included in Vendor Laboratory Data					
6							
7		0.72 mg/L is O&G Method 1664A MDL for contract lab that performs 001N O&G analysis.					
8		5.0 mg/L is O&G Method 1664 Reporting Limit.					
9		Results >RL are reported to the Water Board to the nearest tenth mg/L.					
10							
11		Oil and Grease (mg/L)					
12							
13							
14		Day	Result	Daily Average	Average Qualifier	Results for Monthly Average	Report Monthly Average
15		6/3/2014	ND(0.72)	0.0	ND	ND(0.72)	DNQ(0.72)
16			ND(0.72)				
17			ND(0.72)				
18		6/10/2014	DNQ(1.5)	<0.72	DNQ	DNQ(0.72)	Daily Maximum
19			ND(0.72)				DNQ(0.72)
20			ND(0.72)				
21		6/17/2014	ND(0.72)	<0.72	DNQ	DNQ(0.72)	
22			ND(0.72)				
23			DNQ(1.5)				
24		6/23/2014	ND(0.72)	0.0	ND	ND(0.72)	
25			ND(0.72)				
26			ND(0.72)				
27							
28							
29							
30							
31							
32		Total Suspended Solids (mg/L)					
33							
34		Day	Result	Result for Average		Monthly Average	
35		6/3/2014	4	4		3	
36		6/10/2014	ND(2.57)	0			
37		6/17/2014	6	6		Daily Maximum	
38		6/23/2014	3	3		6	
39							
40							
41							
42		Settleable Solids (ml/L)					
43							
44		Day	Result	Daily Average		Monthly Average	
45		6/3/2014	DNQ(0.1)	0.0		DNQ(0.1)	
46		6/10/2014	DNQ(0.1)	0.0			
47		6/17/2014	DNQ(0.1)	0.0		Daily Maximum	
48		6/23/2014	DNQ(0.1)	0.0		DNQ(0.1)	
49							
50							
51							
52							

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2												
3		Miscellaneous Daily Duplicate and Daily Average Calculations for Monthly eSMR										
4												
5												
6	Date	Time	Analysis Date	Location	Unit	Parameter	Result	Average Result for Day				
7												
8	4/9/2014	8:35	4/9/2014	001P	N/A	pH	7.69	7.7				
9	4/9/2014	8:35	4/9/2014	001P	N/A	pH	7.68					
10												
11	4/9/2014	12:50	4/9/2014	002	1	pH	7.95	7.9				
12	4/9/2014	12:55	4/9/2014	002	2	pH	7.93					
13												
14												
15		TSS Calculations for Monthly eSMR (mg/L)										
16												
17		2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.										
18		Results are reported to the Water Board to whole numbers only (no tenths).										
19	Date	Time	Analysis Date	Location	Unit	Sample TSS	Filtrate TSS	Net TSS	Eff. for Avg.	Average		
20												
21												
22	4/2/2014	8:00	4/4/2014	001F	N/A	2.6	0.1	2.5	3	DNQ(3)		
23	4/2/2014	8:00	4/4/2014	001F	N/A	3.1	0.0	3.1	3			
24												
25	4/1/2014	8:55	4/1/2014	001H	1	1.3	0.5	<2	0	ND(2)		
26	4/1/2014	13:50	4/1/2014	001H	2	0.4	0.3	<2	0			
27												
28	4/4/2014	8:50	4/4/2014	001L	1	0.0	0.0	<2	0	ND(2)		
29	4/4/2014	8:55	4/4/2014	001L	2	0.0	0.0	<2	0			
30												
31	4/9/2014	8:35	4/11/2014	001P	N/A	3.1	0.7	2.4	2	DNQ(2)		
32	4/9/2014	12:15	4/11/2014	001P	N/A	0.9	0.7	<2	0			
33	4/9/2014	15:25	4/11/2014	001P	N/A	0.7	0.1	<2	0			
34												
35	4/9/2014	12:50	4/11/2014	002	1	1.0	0.1	<2	0	ND(2)		
36	4/9/2014	12:55	4/11/2014	002	2	1.3	0.2	<2	0			
37												
38	4/9/2014	13:10	4/11/2014	003	N/A	2.3	0.5	1.8	2	DNQ(2)		
39	4/9/2014	13:10	4/11/2014	003	N/A	2.2	0.7	1.5	2			
40												
41												
42												
43												
44												
45												
46												
47												
48												

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2												
3		Miscellaneous Daily Duplicate and Daily Average Calculations for Monthly eSMR										
4												
5												
6		Date	Time	Analysis Date	Location	Unit	Parameter	Result	Average Result for Day			
7												
8		5/1/2014	14:00	5/1/2014	001P	N/A	pH	7.78	7.8			
9		5/1/2014	14:00	5/1/2014	001P	N/A	pH	7.80				
10												
11		5/7/2014	10:07	5/7/2014	002	1	pH	7.82	7.8			
12		5/7/2014	10:10	5/7/2014	002	2	pH	7.82				
13												
14												
15		TSS Calculations for Monthly eSMR (mg/L)										
16												
17		2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.										
18		Results are reported to the Water Board to whole numbers only (no tenths).										
19												
20		Date	Time	Analysis Date	Location	Unit	Sample TSS	Filtrate TSS	Net TSS	Eff. for Avg.	Average	
21												
22		5/1/2014	16:40	5/2/2014	001F	N/A	1.1	0.1	<2	0	ND(2)	
23		5/1/2014	16:40	5/2/2014	001F	N/A	1.1	0.1	<2	0		
24												
25		5/1/2014	13:50	5/1/2014	001H	1	3.1	0.5	2.6	3	DNQ(2)	
26		5/1/2014	14:00	5/1/2014	001H	2	0.3	0.0	<2	0		
27												
28		5/2/2014	8:40	5/2/2014	001L	1	0.0	#N/A	<2	0	ND(2)	
29		5/2/2014	8:45	5/2/2014	001L	2	0.0	#N/A	<2	0		
30												
31		5/1/2014	7:43	5/2/2014	001P	N/A	7.8	1.3	6.5	7	<5	
32		5/1/2014	11:00	5/2/2014	001P	N/A	0.6	0.4	<2	0		
33		5/1/2014	14:00	5/2/2014	001P	N/A	1.9	1.6	<2	0		
34												
35		5/7/2014	10:07	5/8/2014	002	1	13.2	13.1	0.1	<2	DNQ(2)	
36		5/7/2014	10:10	5/8/2014	002	2	12.2	10.7	1.5	2		
37												
38		5/7/2014	10:19	5/8/2014	003	N/A	12.7	11.7	1.0	<2	ND(2)	
39		5/7/2014	10:19	5/8/2014	003	N/A	14.0	13.1	0.9	<2		
40												
41												
42												
43												
44												
45												
46												
47												
48												

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2												
3		Miscellaneous Daily Duplicate and Daily Average Calculations for Monthly eSMR										
4												
5												
6	Date	Time	Analysis Date	Location	Unit	Parameter	Result	Average Result for Day				
7												
8	6/3/2014	7:50	6/3/2014	001P	N/A	pH	7.68	7.7				
9	6/3/2014	7:50	6/3/2014	001P	N/A	pH	7.70					
10												
11	6/5/2014	12:37	6/5/2014	002	1	pH	8.00	8.0				
12	6/5/2014	12:40	6/5/2014	002	2	pH	7.97					
13												
14												
15		TSS Calculations for Monthly eSMR (mg/L)										
16												
17		2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.										
18		Results are reported to the Water Board to whole numbers only (no tenths).										
19	Date	Time	Analysis Date	Location	Unit	Sample TSS	Filtrate TSS	Net TSS	Eff. for Avg.	Average		
20												
21												
22	6/3/2014	13:50	6/6/2014	001F	N/A	1.9	0.0	1.9	2	DNQ(2)		
23	6/3/2014	13:50	6/6/2014	001F	N/A	2.5	0.1	2.4	2			
24												
25	6/1/2014	14:05	6/1/2014	001H	1	0.4	0.0	<2	0	ND(2)		
26	6/2/2014	12:20	6/2/2014	001H	2	<2	0.0	<2	0			
27												
28	6/5/2014	7:52	6/6/2014	001L	1	0.0	#N/A	<2	0	ND(2)		
29	6/5/2014	7:55	6/6/2014	001L	2	0.0	#N/A	<2	0			
30												
31	6/3/2014	7:50	6/6/2014	001P	N/A	9.1	0.4	8.7	9	<5		
32	6/3/2014	11:00	6/6/2014	001P	N/A	0.1	0.1	<2	0			
33	6/3/2014	14:15	6/6/2014	001P	N/A	0.2	0.2	<2	0			
34												
35	6/5/2014	12:37	6/6/2014	002	1	0.5	0.0	<2	0	<5		
36	6/5/2014	12:40	6/6/2014	002	2	7.8	0.2	7.6	8			
37												
38	6/5/2014	13:10	6/6/2014	003	N/A	15.8	0.4	15.4	15	16		
39	6/5/2014	13:10	6/6/2014	003	N/A	16.1	0.2	15.9	16			
40												
41												
42												
43												
44												
45												
46												
47												
48												

Diablo Canyon Power Plant
2014 Second Quarter Contract Lab Results

PDF Page	Description
2 - 4	001N Oil & Grease – 04/03/2014
5 - 7	001N Oil & Grease – 04/10/2014
8 - 10	001N Oil & Grease – 04/15/2014
11 - 13	001N Oil & Grease – 04/23/2014
14 - 16	001N Oil & Grease – 05/01/2014
17 - 19	001N Oil & Grease – 05/07/2014
20 - 22	001N Oil & Grease – 05/13/2014
23 - 25	001N Oil & Grease – 05/21/2014
26 - 28	001N Oil & Grease – 05/28/2014
29 - 31	001N Oil & Grease – 06/03/2014
32 - 34	001N Oil & Grease – 06/10/2014
35 - 37	001N Oil & Grease – 06/17/2014
38 - 40	001N Oil & Grease – 06/23/2014
41	001N Suspended Solids, Settleable Solids – 04/03/2014
42	001N Suspended Solids, Settleable Solids – 04/10/2014
43	001N Suspended Solids, Settleable Solids – 04/15/2014
44	001N Suspended Solids, Settleable Solids – 04/23/2014
45	001N Suspended Solids, Settleable Solids – 05/01/2014
46	001N Suspended Solids, Settleable Solids – 05/07/2014
47	001N Suspended Solids, Settleable Solids – 05/13/2014
48	001N Suspended Solids, Settleable Solids – 05/21/2014
49	001N Suspended Solids, Settleable Solids – 05/28/2014
50	001N Suspended Solids, Settleable Solids – 06/03/2014
51	001N Suspended Solids, Settleable Solids – 06/10/2014
52	001N Suspended Solids, Settleable Solids – 06/17/2014
53	001N Suspended Solids, Settleable Solids – 06/23/2014
54	001D Mercury – 04/03/2014 to 06/19/2014 Composite 001F Mercury – 04/02/2014 to 04/09/2014 Composite 001H, Unit 1 Mercury – 04/01/2014 to 06/16/2014 Composite 001H, Unit 2 Mercury – 04/01/2014 to 06/17/2014 Composite 001L, Unit 1 Mercury – 04/02/2014 to 06/11/2014 Composite 001L, Unit 2 Mercury – 04/02/2014 to 06/11/2014 Composite
55 - 56	Intake, Discharge 001 Ammonia as Nitrogen – 04/10/2014
57 - 60	Discharge 001 Acute Toxicity Test – 04/08/2014
61 - 77	Discharge 001 Chronic Toxicity Test – 04/08/2014



Certificate of Analysis

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

Report Issue Date: 04/14/2014 9:09
Received Date: 04/04/2014
Received Time: 10:54

Lab Sample ID: A4D0492-01
Sample Date: 04/03/2014 10:58
Sample Type: Grab

Client Project: 14-1880 Severn Trent DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	0.88	0.72	5.0	mg/L	1		A404409	04/10/14	04/12/14	J



Certificate of Analysis

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Report Issue Date: 04/14/2014 9:09
Received Date: 04/04/2014
Received Time: 10:54

Lab Sample ID: A4D0492-02
Sample Date: 04/03/2014 11:10
Sample Type: Grab

Client Project: 14-1880 Severn Trent DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A404409	04/10/14	04/12/14	

A4D0492 FINAL 04142014 0909



Certificate of Analysis

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Report Issue Date: 04/14/2014 9:09
Received Date: 04/04/2014
Received Time: 10:54

Lab Sample ID: A4D0492-03
Sample Date: 04/03/2014 11:25
Sample Type: Grab

Client Project: 14-1880 Severn Trent DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
<u>Oil and Grease (1664)</u>											
Total Oil & Grease	EPA 1664A	1.8	0.72	5.0	mg/L	1		A404409	04/10/14	04/12/14	J

A4D0492 FINAL 04142014 0909



Certificate of Analysis

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Report Issue Date: 04/22/2014 16:15
Received Date: 04/11/2014
Received Time: 10:00

Lab Sample ID: A4D1170-01
Sample Date: 04/10/2014 11:32
Sample Type: Grab

Client Project: 14-2033 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A404794	04/17/14	04/19/14	



Certificate of Analysis

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Report Issue Date: 04/22/2014 16:15
Received Date: 04/11/2014
Received Time: 10:00

Lab Sample ID: A4D1170-02
Sample Date: 04/10/2014 11:50
Sample Type: Grab

Client Project: 14-2033 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
<u>Oil and Grease (1664)</u>											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A404794	04/17/14	04/19/14	



Certificate of Analysis

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Report Issue Date: 04/22/2014 16:15
Received Date: 04/11/2014
Received Time: 10:00

Lab Sample ID: A4D1170-03 Client Project: 14-2033 DCWWTP
Sample Date: 04/10/2014 12:08 Sampled by: Client
Sample Type: Grab Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	0.99	0.72	5.0	mg/L	1		A404794	04/17/14	04/19/14	J



Certificate of Analysis

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Report Issue Date: 04/28/2014 10:15
Received Date: 04/16/2014
Received Time: 15:50

Lab Sample ID: A4D1527-01
Sample Date: 04/15/2014 08:06
Sample Type: Grab

Client Project: 14-2104 Severu Trent Diablo Cyn WWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A405182	04/25/14	04/26/14	



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Report Issue Date: 04/28/2014 10:15
Received Date: 04/16/2014
Received Time: 15:50

Lab Sample ID: A4D1527-02
Sample Date: 04/15/2014 08:24
Sample Type: Grab

Client Project: 14-2104 Severu Trent Diablo Cyn WWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
<u>Oil and Grease (1664)</u>											
Total Oil & Grease	EPA 1664A	1.2	0.72	5.0	mg/L	1		A405182	04/25/14	04/26/14	J

A4D1527 FINAL 04282014 1015



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Report Issue Date: 04/28/2014 10:15
Received Date: 04/16/2014
Received Time: 15:50

Lab Sample ID: A4D1527-03
Sample Date: 04/15/2014 08:39
Sample Type: Grab

Client Project: 14-2104 Severu Trent Diablo Cyn WWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	1.1	0.72	5.0	mg/L	1		A405182	04/25/14	04/26/14	J



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Report Issue Date: 05/01/2014 14:14
Received Date: 04/24/2014
Received Time: 10:30

Lab Sample ID: A4D2143-01
Sample Date: 04/23/2014 08:33
Sample Type: Grab

Client Project: 14-2277 Severn Trent: DCWWTP
Sampled by: Jim M. Wysong
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	0.98	0.72	5.0	mg/L	1		A405371	04/30/14	05/01/14	J

A4D2143 FINAL 05012014 1414



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Report Issue Date: 05/01/2014 14:14
Received Date: 04/24/2014
Received Time: 10:30

Lab Sample ID: A4D2143-02
Sample Date: 04/23/2014 08:48
Sample Type: Grab

Client Project: 14-2277 Severn Trent: DCWWTP
Sampled by: Jim M. Wysong
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	1.5	0.72	5.0	mg/L	1		A405371	04/30/14	05/01/14	J



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Report Issue Date: 05/01/2014 14:14
Received Date: 04/24/2014
Received Time: 10:30

Lab Sample ID: A4D2143-03
Sample Date: 04/23/2014 09:06
Sample Type: Grab

Client Project: 14-2277 Sevm Trent: DCWWTP
Sampled by: Jim M. Wysong
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	1.4	0.72	5.0	mg/L	1		A405371	04/30/14	05/01/14	J



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Report Issue Date: 05/12/2014 13:58
Received Date: 05/02/2014
Received Time: 10:00

Lab Sample ID: A4E0134-01
Sample Date: 05/01/2014 08:52
Sample Type: Grab

Client Project: 14-2424 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A405842	05/09/14	05/11/14	



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Report Issue Date: 05/12/2014 13:58
Received Date: 05/02/2014
Received Time: 10:00

Lab Sample ID: A4E0134-02

Client Project: 14-2424 DCWWTP

Sample Date: 05/01/2014 09:07

Sampled by: Client

Sample Type: Grab

Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
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Oil and Grease (1664)

Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A405842	05/09/14	05/11/14	
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A4E0134 FINAL 05122014 1358

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Report Issue Date: 05/12/2014 13:58
Received Date: 05/02/2014
Received Time: 10:00

Lab Sample ID: A4E0134-03

Client Project: 14-2424 DCWWTP

Sample Date: 05/01/2014 09:22

Sampled by: Client

Sample Type: Grab

Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
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Oil and Grease (1664)

Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A405842	05/09/14	05/11/14	
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Report Issue Date: 05/15/2014 13:23
Received Date: 05/08/2014
Received Time: 10:50

Lab Sample ID: A4E0675-01
Sample Date: 05/07/2014 09:00
Sample Type: Grab

Client Project: 14-2540 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A405992	05/13/14	05/15/14	

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Report Issue Date: 05/15/2014 13:23
Received Date: 05/08/2014
Received Time: 10:50

Lab Sample ID: A4E0675-02 Client Project: 14-2540 DCWWTP
Sample Date: 05/07/2014 09:15 Sampled by: Client
Sample Type: Grab Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A405992	05/13/14	05/15/14	



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Report Issue Date: 05/15/2014 13:23
Received Date: 05/08/2014
Received Time: 10:50

Lab Sample ID: A4E0675-03
Sample Date: 05/07/2014 09:30
Sample Type: Grab

Client Project: 14-2540 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A405992	05/13/14	05/15/14	

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Report Issue Date: 05/27/2014 11:14
Received Date: 05/14/2014
Received Time: 09:30

Lab Sample ID: A4E1176-01
Sample Date: 05/13/2014 09:31
Sample Type: Grab

Client Project: 14-2684 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A406507	05/23/14	05/25/14	



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Report Issue Date: 05/27/2014 11:14
Received Date: 05/14/2014
Received Time: 09:30

Lab Sample ID: A4E1176-02

Client Project: 14-2684 DCWWTP

Sample Date: 05/13/2014 09:49

Sampled by: Client

Sample Type: Grab

Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
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Oil and Grease (1664)

Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A406507	05/23/14	05/25/14	
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A4E1176 FINAL 05272014 1114

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Report Issue Date: 05/27/2014 11:14
Received Date: 05/14/2014
Received Time: 09:30

Lab Sample ID: A4E1176-03
Sample Date: 05/13/2014 10:04
Sample Type: Grab

Client Project: 14-2684 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A406507	05/23/14	05/25/14	

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Report Issue Date: 06/06/2014 13:34
Received Date: 05/22/2014
Received Time: 08:45

Lab Sample ID: A4E1890-01
Sample Date: 05/21/2014 13:23
Sample Type: Grab

Client Project: 14-2856 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A406749	05/31/14	06/01/14	



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Report Issue Date: 06/06/2014 13:34
Received Date: 05/22/2014
Received Time: 08:45

Lab Sample ID: A4E1890-02
Sample Date: 05/21/2014 13:41
Sample Type: Grab

Client Project: 14-2856 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A406749	05/31/14	06/01/14	



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Report Issue Date: 06/06/2014 13:34
Received Date: 05/22/2014
Received Time: 08:45

Lab Sample ID: A4E1890-03
Sample Date: 05/21/2014 13:59
Sample Type: Grab

Client Project: 14-2856 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A406749	05/31/14	06/01/14	



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Report Issue Date: 06/10/2014 20:21
Received Date: 05/29/2014
Received Time: 11:30

Lab Sample ID: A4E2325-01
Sample Date: 05/28/2014 09:44
Sample Type: Grab

Client Project: 14-2969 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	1.2	0.72	5.0	mg/L	1		A407085	06/07/14	06/10/14	J



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Report Issue Date: 06/10/2014 20:21
Received Date: 05/29/2014
Received Time: 11:30

Lab Sample ID: A4E2325-02

Client Project: 14-2969 DCWWTP

Sample Date: 05/28/2014 10:02

Sampled by: Client

Sample Type: Grab

Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A407085	06/07/14	06/10/14	

A4E2325 FINAL 06102014 2021

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Report Issue Date: 06/10/2014 20:21
Received Date: 05/29/2014
Received Time: 11:30

Lab Sample ID: A4E2325-03
Sample Date: 05/28/2014 10:20
Sample Type: Grab

Client Project: 14-2969 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	0.97	0.72	5.0	mg/L	1		A407085	06/07/14	06/10/14	J



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Report Issue Date: 06/12/2014 15:28
Received Date: 06/04/2014
Received Time: 09:40

Lab Sample ID: A4F0315-01
Sample Date: 06/03/2014 10:03
Sample Type: Grab

Client Project: 14-3107 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A407189	06/10/14	06/11/14	



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Report Issue Date: 06/12/2014 15:28
Received Date: 06/04/2014
Received Time: 09:40

Lab Sample ID: A4F0315-02
Sample Date: 06/03/2014 10:15
Sample Type: Grab

Client Project: 14-3107 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A407189	06/10/14	06/11/14	



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Report Issue Date: 06/12/2014 15:28
Received Date: 06/04/2014
Received Time: 09:40

Lab Sample ID: A4F0315-03

Client Project: 14-3107 DCWWTP

Sample Date: 06/03/2014 10:30

Sampled by: Client

Sample Type: Grab

Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
<u>Oil and Grease (1664)</u>											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A407189	06/10/14	06/11/14	

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Report Issue Date: 06/23/2014 13:43
Received Date: 06/11/2014
Received Time: 12:00

Lab Sample ID: A4F1039-01

Client Project: 14-3259 DCWWTP

Sample Date: 06/10/2014 10:40

Sampled by: Client

Sample Type: Grab

Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
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Oil and Grease (1664)

Total Oil & Grease	EPA 1664A	1.5	0.72	5.0	mg/L	1		A407576	06/18/14	06/21/14	J
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Report Issue Date: 06/23/2014 13:43
Received Date: 06/11/2014
Received Time: 12:00

Lab Sample ID: A4F1039-02
Sample Date: 06/10/2014 10:52
Sample Type: Grab

Client Project: 14-3259 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A407576	06/18/14	06/21/14	



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Report Issue Date: 06/23/2014 13:43
Received Date: 06/11/2014
Received Time: 12:00

Lab Sample ID: A4F1039-03
Sample Date: 06/10/2014 11:07
Sample Type: Grab

Client Project: 14-3259 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A407576	06/18/14	06/21/14	



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Report Issue Date: 06/30/2014 13:43
Received Date: 06/18/2014
Received Time: 09:00

Lab Sample ID: A4F1621-01
Sample Date: 06/17/2014 10:42
Sample Type: Grab

Client Project: 14-3416 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

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Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A408024	06/27/14	06/28/14	



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Report Issue Date: 06/30/2014 13:43
Received Date: 06/18/2014
Received Time: 09:00

Lab Sample ID: A4F1621-02
Sample Date: 06/17/2014 11:00
Sample Type: Grab

Client Project: 14-3416 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

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Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A408024	06/27/14	06/28/14	



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Report Issue Date: 06/30/2014 13:43
Received Date: 06/18/2014
Received Time: 09:00

Lab Sample ID: A4F1621-03
Sample Date: 06/17/2014 11:15
Sample Type: Grab

Client Project: 14-3416 DCWWTP
Sampled by: Client
Matrix: Water

Sample Description: Decant Arm

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Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	1.5	0.72	5.0	mg/L	1		A408024	06/27/14	06/28/14	J



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Report Issue Date: 06/30/2014 13:58
Received Date: 06/24/2014
Received Time: 11:00

Lab Sample ID: A4F2001-01
Sample Date: 06/23/2014 10:55
Sample Type: Grab

Client Project: 14-3535 DCWWTP
Sampled by: Jim M. Wysong
Matrix: Water

Sample Description: Decant arm

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Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
<u>Oil and Grease (1664)</u>											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A408024	06/27/14	06/28/14	



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Report Issue Date: 06/30/2014 13:58
Received Date: 06/24/2014
Received Time: 11:00

Lab Sample ID: A4F2001-02
Sample Date: 06/23/2014 11:10
Sample Type: Grab

Client Project: 14-3535 DCWWTP
Sampled by: Jim M. Wysonog
Matrix: Water

Sample Description: Decant arm

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Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
<u>Oil and Grease (1664)</u>											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A408024	06/27/14	06/28/14	



Certificate of Analysis

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

Report Issue Date: 06/30/2014 13:58
Received Date: 06/24/2014
Received Time: 11:00

Lab Sample ID: A4F2001-03
Sample Date: 06/23/2014 11:25
Sample Type: Grab

Client Project: 14-3535 DCWWTP
Sampled by: Jim M. Wysong
Matrix: Water

Sample Description: Decant arm

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	MCL	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)											
Total Oil & Grease	EPA 1664A	ND	0.72	5.0	mg/L	1		A408024	06/27/14	06/28/14	

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

Order #: 14-1880
Date/Time Rec'd: 04/03/14 1453

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	Completed
-1	Decant Arm	04/03/14 1058	Suspended Solids	SM 2540 D.	18.	2.57	3.	1	mg/L	04/06/14
-2	Decant Arm	04/03/14 1115	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	04/04/14

SUB Oil & Grease

Report Completion date: 4/7/14

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-1821-2	4/6/2014	Suspended Solids	SM 2540D	164.	mg/L		
Duplicate 14-1821-2	4/6/2014	Suspended Solids Dup.	SM 2540D	171.	mg/L		< 5% of Average
				104% Rec			
Blank	4/6/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

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

Order #: 14-2033
Date/Time Rec'd: 04/10/14 1551

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	Completed
-1	Decant Arm	04/10/14 1132	Suspended Solids	SM 2540 D.	19.	2.57	3.	1	mg/L	04/15/14
-2	Decant Arm	04/10/14 1200	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	04/10/14

SUB Oil & Grease

Report Completion date: 4/15/14

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-2030-3	4/15/2014	Suspended Solids	SM 2540D	1760.	mg/L		
Duplicate 14-2030-3	4/15/2014	Suspended Solids Dup.	SM 2540D	1760.	mg/L		< 5% of Average
				100% Rec			
Blank	4/15/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

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

Order #: 14-2104
Date/Time Rec'd: 04/15/14 1304

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	Completed
-1	Decant Arm	04/15/14 0806	Suspended Solids	SM 2540 D.	ND.	2.57	3.	1	mg/L	04/16/14
-2	Decant Arm	04/15/14 0830	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	04/15/14

SUB Oil & Grease

Report Completion date: 4/21/14

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-2120-1	4/16/2014	Suspended Solids	SM 2540D	20.	mg/L		
Duplicate 14-2120-1	4/16/2014	Suspended Solids Dup.	SM 2540D	20.	mg/L		< 5% of Average
				100% Rec			
Blank ASTM II water	4/16/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

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

Order #: 14-2277
Date/Time Rec'd: 4/23/14 1334

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	Completed
-1	Decant Arm	4/23/14 0833	Suspended Solids	SM 2540 D.	10.	2.57	3.	1	mg/L	04/25/14
-2	Decant Arm	4/23/14 0900	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	04/24/14

SUB Oil & Grease

Report Completion date: 4/25/14

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-2280-1	4/25/2014	Suspended Solids	SM 2540D	34.	mg/L		
Duplicate 14-2280-1	4/25/2014	Suspended Solids Dup.	SM 2540D	34.	mg/L		< 5% of Average
				100% Rec			
Blank	4/25/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

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

Order #: 14-2424
Date/Time Rec'd: 05/01/14 1410

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	Completed
-1	Decant Arm	05/01/14 0852	Suspended Solids	SM 2540 D.	7.	2.57	3.	1	mg/L	05/03/14
-2	Decant Arm	05/01/14 0915	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	05/02/14

SUB Oil & Grease

Report Completion date: _____

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-2424-1	5/3/2014	Suspended Solids	SM 2540D	7.	mg/L		
Duplicate 14-2424-1	5/3/2014	Suspended Solids Dup.	SM 2540D	7.	mg/L		< 5% of Average
				100% Rec			
Blank	5/3/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

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

Order #: 14-2540
Date/Time Rec'd: 5/7/14 1235

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	Completed
-1	Decant Arm	5/7/14 0900	Suspended Solids	SM 2540 D.	8.	2.57	3.	1	mg/L	05/12/14
-2	Decant Arm	5/7/14 0920	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	05/07/14

SUB Oil & Grease

Report Completion date: 5/12/14

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-2594-1	5/12/2014	Suspended Solids	SM 2540D	550.	mg/L		
Duplicate 14-2594-1	5/12/2014	Suspended Solids Dup.	SM 2540D	635.	mg/L		< 5% of Average
				115% Rec			
Blank	5/12/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

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

Order #: 14-2684
Date/Time Rec'd: 5/13/14 1512

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	Completed
-1	Decant Arm	5/13/14 0931	Suspended Solids	SM 2540 D.	5.	2.57	3.	1	mg/L	05/15/14
-2	Decant Arm	5/13/14 0945	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	05/14/14

SUB Oil & Grease

Report Completion date: 5/15/14

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-2628-1	5/15/2014	Suspended Solids	SM 2540D	7.	mg/L		
Duplicate 14-2628-1	5/15/2014	Suspended Solids Dup.	SM 2540D	7.	mg/L		< 5% of Average
				100% Rec			
Blank	5/15/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

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

Order #: 14-2856
Date/Time Rec'd: 5/21/14 1604

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	Completed
-1	Decant Arm	5/21/14 1323	Suspended Solids	SM 2540 D.	4.	2.57	3.	1	mg/L	05/24/14
-2	Decant Arm	5/21/14 1330	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	05/22/14

SUB Oil & Grease

Report Completion date: 5/26/14

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
2856-1	5/24/2014	Suspended Solids	SM 2540D	4.	mg/L		
Duplicate 2856-1	5/24/2014	Suspended Solids Dup.	SM 2540D	4.	mg/L		< 5% of Average
				Rec. 100%			
Blank	5/24/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

Abalone Coast Analytical, Inc.

141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401

Phone: 595-1080 Fax: 595-1080

Order #: 14-2969

Date/Time Rec'd: 5/28/14 1428

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	Completed
-1	Decant Arm	5/28/14 0944	Suspended Solids	SM 2540 D.	7.	2.57	3.	1	mg/L	05/31/14
-2	Decant Arm	5/28/14 1000	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	05/28/14

SUB Oil & GreaseReport Completion date: 6/2/14Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-2974-1	5/31/2014	Suspended Solids	SM 2540D	24.	mg/L		
Duplicate 14-2974-1	5/31/2014	Suspended Solids Dup.	SM 2540D	23.	mg/L		< 5% of Average
				96% Rec			
Blank	5/31/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

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

Order #: 14-3107
Date/Time Rec'd: 6/3/14 1533

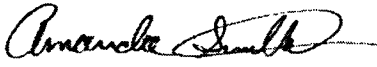
Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: DCWWTP

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

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
-1	Decant Arm	6/3/14 1003	Suspended Solids	SM 2540 D.	4.	2.57	3.	1	mg/L	06/05/14
-2	Decant Arm	6/3/14 1015	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	06/03/14

SUB Oil & Grease

Report Completion date: 6/5/14

Reviewed: 

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-3110-1	6/5/2004	Suspended Solids	SM 2540D	16.	mg/L		
Duplicate 14-3110-1	6/5/2014	Suspended Solids Dup.	SM 2540D	15.	mg/L		< 5% of Average
				94% Rec			
Blank	ASTM II water	6/5/2014	Suspended Solids	SM 2540D	<3.	mg/L	<3.

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

Order #: 14-3259
Date/Time Rec'd: 6/10/14 1328

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	Completed
-1	Decant Arm	6/10/14 1040	Suspended Solids	SM 2540 D.	ND.	2.57	3.	1	mg/L	06/14/14
-2	Decant Arm	6/10/14 1052	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	06/10/14

SUB Oil & Grease

Report Completion date: 6/16/14

Reviewed: 
Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
14-3259-1	6/12/2014	Suspended Solids	SM 2540D	ND.	mg/L		
Duplicate 14-3259-1	6/12/2014	Suspended Solids Dup.	SM 2540D	ND.	mg/L		< 5% of Average
				REC 100%			
Blank	6/12/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

Abalone Coast Analytical, Inc.

141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401

Phone: 595-1080 Fax: 595-1080

Order #: 14-3416

Date/Time Rec'd: 6/17/14 1406

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	Completed
-1	Decant Arm	6/17/14 1042	Suspended Solids	SM 2540 D.	6.	2.57	3.	1	mg/L	06/19/14
-2	Decant Arm	6/17/14 1100	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	06/17/14

SUB Oil & GreaseReport Completion date: 6/20/14Reviewed: 

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
3435-1	6/19/2014	Suspended Solids	SM 2540D	8.	mg/L		
Duplicate 3435-1	6/19/2014	Suspended Solids Dup.	SM 2540D	7.	mg/L		< 5% of Average
				Rec 91%			
Blank	6/19/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

Abalone Coast Analytical, Inc.

141 Suburban Rd, Ste C-1 San Luis Obispo CA, 93401

Phone: 595-1080 Fax: 595-1080

Order #: 14-3535

Date/Time Rec'd: 6/23/14 1546

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	Completed
-1	Decant Arm	6/23/14 1055	Suspended Solids	SM 2540 D.	3.	2.57	3.	1	mg/L	06/25/14
-2	Decant Arm	6/23/14 1115	Settleable Solids	SM 2540 F.	<0.1		0.1	1	mL/L	06/23/14

SUB Oil & GreaseReport Completion date: 6/25/14Reviewed: 

Amanda Smith, Lab Director

ND = Analyte NOT DETECTED at MDL

* Result detected below the RL are estimated concentration

DNQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is estimated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.

RL = Reporting Limit

MDL = Method Detection Limit

State of California CDPH ELAP 2661

ppm = parts per million

mg/L = milligrams per liter (ppm)

Estimated (est) results are due to the sample dilutions being too high where the change in dissolved oxygen is such that it cannot be accurately quantified. Actual BOD may be slightly higher than indicated.

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = milliliters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
3560-1	6/25/2014	Suspended Solids	SM 2540D	1084.	mg/L		
Duplicate 3560-1	6/25/2014	Suspended Solids Dup.	SM 2540D	1136.	mg/L		< 5% of Average
				Rec 104%			
Blank	6/25/2014	Suspended Solids	SM 2540D	<3.	mg/L		<3.

Client Sample Results

Client: PG&E Corporation
Project/Site: Diablo Canyon Power Plant

TestAmerica Job ID: 160-7167-1

Client Sample ID: 001F OWS 2ND QTR 2014 COMPOSITE

Lab Sample ID: 160-7167-1

Date Collected: 06/17/14 14:45

Matrix: Water

Date Received: 06/20/14 08:40

Method: 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		06/23/14 14:17	06/24/14 08:32	1

Client Sample ID: 001H U-1 CDRS 2ND QTR 2014 COMPOSITE

Lab Sample ID: 160-7167-2

Date Collected: 06/17/14 14:45

Matrix: Water

Date Received: 06/20/14 08:40

Method: 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		06/23/14 14:17	06/24/14 08:40	1

Client Sample ID: 001H U-2 CDRS 2ND QTR 2014 COMPOSITE

Lab Sample ID: 160-7167-3

Date Collected: 06/17/14 14:45

Matrix: Water

Date Received: 06/20/14 08:40

Method: 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		06/23/14 14:17	06/24/14 08:43	1

Client Sample ID: 001L U-1 SGBD 2ND QTR 2014 COMPOSITE

Lab Sample ID: 160-7167-4

Date Collected: 06/17/14 14:45

Matrix: Water

Date Received: 06/20/14 08:40

Method: 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		06/23/14 14:17	06/24/14 08:49	1

Client Sample ID: 001L U-2 SGBD 2ND QTR 2014 COMPOSITE

Lab Sample ID: 160-7167-5

Date Collected: 06/17/14 14:45

Matrix: Water

Date Received: 06/20/14 08:40

Method: 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		06/23/14 14:17	06/24/14 08:51	1

Client Sample ID: 001D LRW 2ND QTR 2014 COMPOSITE

Lab Sample ID: 160-7167-6

Date Collected: 06/17/14 14:45

Matrix: Water

Date Received: 06/20/14 08:40

Method: 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053	J	0.20	0.050	ug/L		06/23/14 14:17	06/24/14 08:53	1

TestAmerica St. Louis



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: Diablo Canyon Power Plant
Contact: Rich Dong
Address: P.O. Box 56-MS Space 104-5-9B
Avila Beach, CA 93424

Analytical Report: Page 2 of 6
Project Name: Diablo Canyon Power Plant-C
Project Number: NPDES - Avila Beach, CA

Work Order Number: B4D1249

Report Date: 23-Apr-2014

Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number

B4D1249-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Intake 1st Qtr 2014	Liquid	04/10/14 09:48	04/11/14 11:45

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>MDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Nutrients								
Ammonia-Nitrogen	0.24	0.10	0.059	mg/L	SM4500NH3H	04/22/14 10:29	sl	



BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: Diablo Canyon Power Plant
Contact: Rich Dong
Address: P.O. Box 56-MS Space 104-5-9B
Avila Beach, CA 93424

Analytical Report: Page 3 of 6
Project Name: Diablo Canyon Power Plant-C
Project Number: NPDES - Avila Beach, CA

Work Order Number: B4D1249

Report Date: 23-Apr-2014

Received on Ice (Y/N): Yes Temp: 3 °C

Laboratory Reference Number
B4D1249-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
Discharge 1st Qtr 2014	Liquid	04/10/14 09:52	04/11/14 11:45

<u>Analyte(s)</u>	<u>Result</u>	<u>RDL</u>	<u>MDL</u>	<u>Units</u>	<u>Method</u>	<u>Analysis Date</u>	<u>Analyst</u>	<u>Flag</u>
Nutrients								
Ammonia-Nitrogen	0.21	0.10	0.059	mg/L	SM4500NH3H	04/22/14 10:31	sl	



May 2, 2014

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

Dear Mr. Kelly:

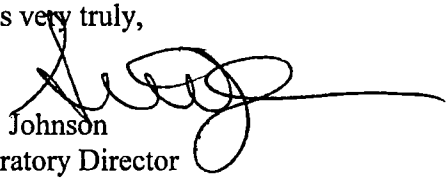
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Guidelines for Performing Static Acute Fish Bioassays in Municipal and Industrial Waste Waters* as provided to us by Frederic R. Kopperdahl, Fish and Wildlife Water Pollution Control Laboratory, 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:	9 April - 2014
ABC LAB. NO.:	PGE0414.089

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: 4/9/2014	Test ID: PGE0414089	Sample ID: CA0000000
End Date: 4/13/2014	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 4/8/2014	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

Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Isotonic 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

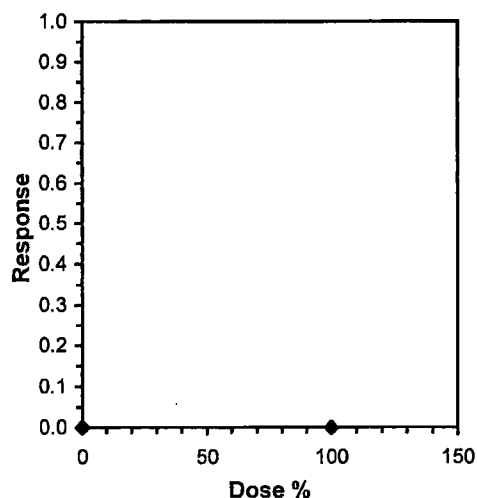
Auxiliary Tests**Statistic****Critical****Skew****Kurt**

Normality of the data set cannot be confirmed

Equality of variance cannot be confirmed

Linear Interpolation (200 Resamples)

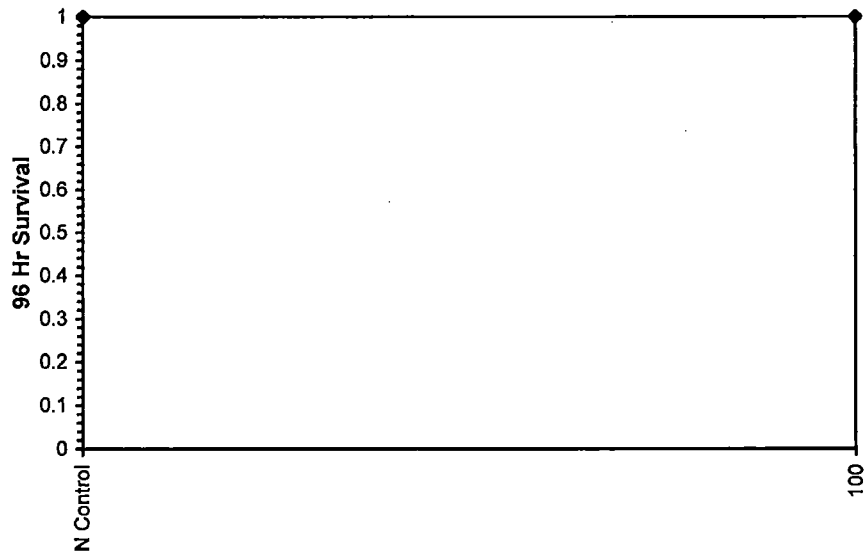
Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



-96 Hr Survival

Start Date: 4/9/2014	Test ID: PGE0414089	Sample ID: CA0000000
End Date: 4/13/2014	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 4/8/2014	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: Discharge 001- Acute		

Dose-Response Plot



-96 Hr Survival

Start Date: 4/9/2014	Test ID: PGE0414089	Sample ID: CA0000000
End Date: 4/13/2014	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 4/8/2014	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	13.26	12.50	15.20	1.03	7.65	10
100		13.48	12.80	15.70	1.17	8.03	10
N Control	pH	6.83	6.20	7.80	0.61	11.41	10
100		7.13	6.80	7.60	0.33	8.06	10
N Control	DO mg/L	7.23	6.40	7.90	0.56	10.39	10
100		7.56	7.20	7.70	0.20	5.85	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



May 2, 2014

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 *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms*, EPA-R-95/136. "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
DATE RECEIVED:	9 April - 2014
ABC LAB. NO.:	PGE0414.090

CHRONIC ABALONE LARVAL DEVELOPMENT BIOASSAY

NOEC =	100.00 %
TUc =	1.00
EC25 =	>100.00 %
EC50 =	>100.00 %

Yours very truly,

Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 01 May-14 11:51 (p 1 of 1)
Test Code: PGE0414.090 | 04-9117-7060

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID:	17-1377-0307	Test Type:	Development	Analyst:	
Start Date:	09 Apr-14 12:16	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	11 Apr-14 12:15	Species:	Haliotis rufescens	Brine:	Not Applicable
Duration:	48h	Source:	Cultured Abalone	Age:	
Sample ID:	06-1174-4336	Code:	PGE0414.090	Client:	Pacific Gas & Electric Co.
Sample Date:	08 Apr-14 09:45	Material:	Sample Water	Project:	
Receive Date:	09 Apr-14 10:30	Source:	Bioassay Report		
Sample Age:	27h (14.3 °C)	Station:	Discharge 001- Chronic		

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
18-1220-3534	Proportion Normal	100	>100	NA	NA	1	Fisher Exact Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
10-3677-3453	Proportion Normal	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	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
10-3677-3453	Proportion Normal	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
18-1220-3534	Proportion Normal	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria

Proportion Normal Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	5	1	1	1	1	1	0	0	0.0%	0.0%
10		5	1	1	1	1	1	0	0	0.0%	0.0%
18		5	1	1	1	1	1	0	0	0.0%	0.0%
32		5	1	1	1	1	1	0	0	0.0%	0.0%
56		5	1	1	1	1	1	0	0	0.0%	0.0%
100		5	1	1	1	1	1	0	0	0.0%	0.0%

Proportion Normal Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
10		1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		1	1	1	1	1
100		1	1	1	1	1

Proportion Normal Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
10		100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		100/100	100/100	100/100	100/100	100/100
100		100/100	100/100	100/100	100/100	100/100

CETIS Analytical Report

Report Date: 01 May-14 11:51 (p 1 of 2)
Test Code: PGE0414.090 | 04-9117-7060

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-3677-3453
Analyzed: 01 May-14 11:51
Endpoint: Proportion Normal
Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

Sample ID: 06-1174-4336
Sample Date: 08 Apr-14 09:45
Receive Date: 09 Apr-14 10:30
Sample Age: 27h (14.3 °C)
Code: PGE0414.090
Material: Sample Water
Source: Bioassay Report
Station: Discharge 001- Chronic

Client: Pacific Gas & Electric Co.
Project:

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Point Estimates

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

Proportion Normal Summary

Calculated Variate(A/B)

C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	5	1	1	1	0	0	0.0%	0.0%	500	500
10		5	1	1	1	0	0	0.0%	0.0%	500	500
18		5	1	1	1	0	0	0.0%	0.0%	500	500
32		5	1	1	1	0	0	0.0%	0.0%	500	500
56		5	1	1	1	0	0	0.0%	0.0%	500	500
100		5	1	1	1	0	0	0.0%	0.0%	500	500

Proportion Normal Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
10		1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		1	1	1	1	1
100		1	1	1	1	1

Proportion Normal Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
10		100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		100/100	100/100	100/100	100/100	100/100
100		100/100	100/100	100/100	100/100	100/100

CETIS Analytical Report

Report Date: 01 May-14 11:51 (p 2 of 2)
Test Code: PGE0414.090 | 04-9117-7060

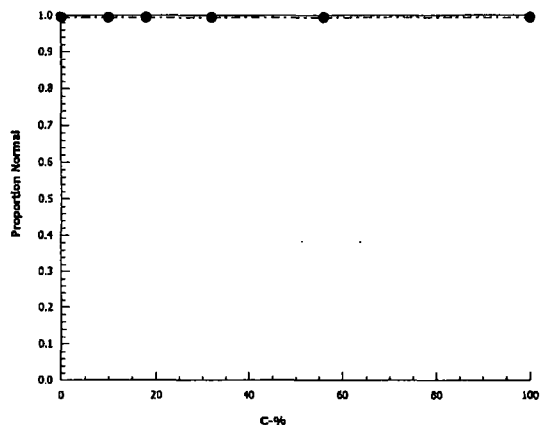
Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-3677-3453 Endpoint: Proportion Normal
Analyzed: 01 May-14 11:51 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

Graphics



CETIS Analytical Report

Report Date: 01 May-14 11:51 (p 1 of 2)
Test Code: PGE0414.090 | 04-9117-7060

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 18-1220-3534 Endpoint: Proportion Normal
Analyzed: 01 May-14 11:51 Analysis: Single 2x2 Contingency Table

CETIS Version: CETISv1.8.7
Official Results: Yes

Sample ID: 06-1174-4336 Code: PGE0414.090
Sample Date: 08 Apr-14 09:45 Material: Sample Water
Receive Date: 09 Apr-14 10:30 Source: Bioassay Report
Sample Age: 27h (14.3 °C) Station: Discharge 001- Chronic

Client: Pacific Gas & Electric Co.
Project:

Data Transform	Zeta	Alt Hyp	Trials	Seed	NOEL	LOEL	TOEL	TU
Untransformed		C > T	NA	NA	100	>100	NA	1

Fisher Exact Test

Control	vs	C-%	Test Stat	P-Value	P-Type	Decision(α:5%)
Negative Control		10	1	1.0000	Exact	Non-Significant Effect
		18	1	1.0000	Exact	Non-Significant Effect
		32	1	1.0000	Exact	Non-Significant Effect
		56	1	1.0000	Exact	Non-Significant Effect
		100	1	1.0000	Exact	Non-Significant Effect

Data Summary

C-%	Control Type	NR	R	NR + R	Prop NR	Prop R	%Effect
0	Negative Contr	500	0	500	1	0	0.0%
10		500	0	500	1	0	0.0%
18		500	0	500	1	0	0.0%
32		500	0	500	1	0	0.0%
56		500	0	500	1	0	0.0%
100		500	0	500	1	0	0.0%

Proportion Normal Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
10		1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		1	1	1	1	1
100		1	1	1	1	1

Proportion Normal Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
10		100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		100/100	100/100	100/100	100/100	100/100
100		100/100	100/100	100/100	100/100	100/100

CETIS Analytical Report

Report Date: 01 May-14 11:51 (p 2 of 2)
Test Code: PGE0414.090 | 04-9117-7060

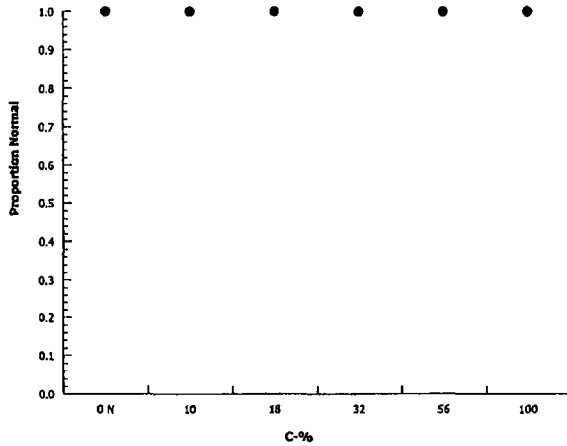
Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 18-1220-3534 Endpoint: Proportion Normal
Analyzed: 01 May-14 11:51 Analysis: Single 2x2 Contingency Table

CETIS Version: CETISv1.8.7
Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 01 May-14 11:51 (p 1 of 2)
Test Code: PGE0414.090 | 04-9117-7060

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID:	17-1377-0307	Test Type:	Development	Analyst:	
Start Date:	09 Apr-14 12:16	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Laboratory Seawater
Ending Date:	11 Apr-14 12:15	Species:	Haliotis rufescens	Brine:	Not Applicable
Duration:	48h	Source:	Cultured Abalone	Age:	
Sample ID:	06-1174-4336	Code:	PGE0414.090	Client:	Pacific Gas & Electric Co.
Sample Date:	08 Apr-14 09:45	Material:	Sample Water	Project:	
Receive Date:	09 Apr-14 10:30	Source:	Bioassay Report		
Sample Age:	27h (14.3 °C)	Station:	Discharge 001- Chronic		

Parameter Acceptability Criteria

Parameter	Min	Max	Acceptability Limits	Overlap	Decision
Salinity-ppt	34	34	32 - 36	Yes	Results Within Limits
Temperature-°C	14.4	14.5	14 - 16	Yes	Results Within Limits

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	6.25	-10.9	23.4	4.9	7.6	1.35	1.909	30.55%	0
10		2	6.35	-10.8	23.5	5	7.7	1.35	1.909	30.07%	0
18		2	6.35	-10.8	23.5	5	7.7	1.35	1.909	30.07%	0
32		2	6.35	-9.533	22.23	5.1	7.6	1.25	1.768	27.84%	0
56		2	6.2	-11.59	23.99	4.8	7.6	1.4	1.98	31.93%	0
100		2	6.2	-12.86	25.26	4.7	7.7	1.5	2.121	34.21%	0
Overall		12	6.283			4.7	7.7				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	7.45	6.815	8.085	7.4	7.5	0.05	0.07072	0.95%	0
10		2	7.45	6.815	8.085	7.4	7.5	0.05	0.07072	0.95%	0
18		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
32		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
56		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
100		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
Overall		12	7.517			7.4	7.6				0 (0%)

Salinity-ppt

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	34	34	34	34	34	0	0	0.0%	0
10		2	34	34	34	34	34	0	0	0.0%	0
18		2	34	34	34	34	34	0	0	0.0%	0
32		2	34	34	34	34	34	0	0	0.0%	0
56		2	34	34	34	34	34	0	0	0.0%	0
100		2	34	34	34	34	34	0	0	0.0%	0
Overall		12	34			34	34				0 (0%)

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
10		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
18		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
32		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
56		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
100		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
Overall		12	14.45			14.4	14.5				0 (0%)

CETIS Measurement Report**Report Date:** 01 May-14 11:51 (p 2 of 2)
Test Code: PGE0414.090 | 04-9117-7060**Red Abalone Larval Development Test****Aquatic Bioassay & Consulting Labs, Inc.****Dissolved Oxygen-mg/L**

C-%	Control Type	1	2
0	Negative Contr	7.6	4.9
10		7.7	5
18		7.7	5
32		7.6	5.1
56		7.6	4.8
100		7.7	4.7

pH-Units

C-%	Control Type	1	2
0	Negative Contr	7.4	7.5
10		7.4	7.5
18		7.5	7.6
32		7.5	7.6
56		7.5	7.6
100		7.5	7.6

Salinity-ppt

C-%	Control Type	1	2
0	Negative Contr	34	34
10		34	34
18		34	34
32		34	34
56		34	34
100		34	34

Temperature-°C

C-%	Control Type	1	2
0	Negative Contr	14.4	14.5
10		14.4	14.5
18		14.4	14.5
32		14.4	14.5
56		14.4	14.5
100		14.4	14.5

CHAIN OF CUSTODY RECORD

Client: Pacific Gas & Electric Co					Project Name/Number: Toxicity Testing		Analysis																				
Address: 9 Miles NW Avila Beach Avila Beach, Ca. 93424					Project Mgr: Jim Kelly		Acute Toxicity	Chronic Toxicity																			
					P.O. #																						
Phone Number: (805) 545-3194					Sampled By: (signature) <i>[Signature]</i>																						
Date	Time	Comp	Grab	Matrix	Sample ID	Volume / Number														Comments							
4/8/2014	10:00		X	Seawater	Discharge 001	DCPP 418	X																				
4/8/2014	9:45	X		Seawater	Discharge 001	DCPP 419		X																			
Relinquished By: (signature) <i>[Signature]</i>							Date / Time 4/8/14 1015							Relinquished By: (signature)							Date / Time						
Received By: (signature) <i>[Signature]</i>							Date / Time 4-8-14 1030							Received By: (signature)							Date / Time						
Temperature upon sample receipt: 14.3 degrees C																											

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

Uthupale = 10-1
Ammanur = 9-0

CHRONIC ABALONE DEVELOPMENT BIOASSAY

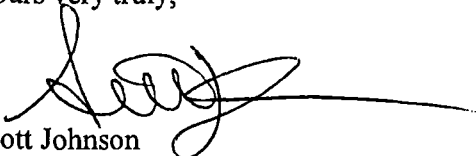
DATE: 9 April 2014

STANDARD TOXICANT: Copper Chloride

NOEC = 56.00 ug/l

EC25 = 67.00 ug/l
EC50 = 78.00 ug/l

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 01 May-14 11:46 (p 1 of 1)
Test Code: ABS040914 | 12-0374-1838

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 12-1036-1374 Test Type: Development Analyst:
Start Date: 09 Apr-14 12:15 Protocol: EPA/600/R-95/136 (1995) Diluent: Laboratory Seawater
Ending Date: 11 Apr-14 12:15 Species: Haliotis rufescens Brine: Tropic Marin
Duration: 48h Source: Cultured Abalone Age:

Sample ID: 01-6104-2427 Code: ABS040914 Client: Internal Lab
Sample Date: 09 Apr-14 12:15 Material: Zinc Project: REF TOX
Receive Date: Source: Reference Toxicant
Sample Age: NA Station: REF TOX

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
17-4097-2661	Proportion Normal	56	100	74.83	NA		Steel Many-One Rank Sum Test

Point Estimate Summary

Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
06-7799-8613	Proportion Normal	EC5	58.2	58.2	58.2		Linear Interpolation (ICPIN)
		EC10	60.4	60.4	60.4		
		EC15	62.6	62.6	62.6		
		EC20	64.8	64.8	64.8		
		EC25	67	67	67		
		EC40	73.6	73.6	73.6		
		EC50	78	78	78		

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
06-7799-8613	Proportion Normal	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
17-4097-2661	Proportion Normal	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
17-4097-2661	Proportion Normal	NOEL	56	NL - 56	No	Above Acceptability Criteria

Proportion Normal Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	5	1	1	1	1	1	0	0	0.0%	0.0%
18		5	1	1	1	1	1	0	0	0.0%	0.0%
32		5	1	1	1	1	1	0	0	0.0%	0.0%
56		5	1	1	1	1	1	0	0	0.0%	0.0%
100		5	0	0	0	0	0	0	0		100.0%
180		5	0	0	0	0	0	0	0		100.0%

Proportion Normal Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		1	1	1	1	1
100		0	0	0	0	0
180		0	0	0	0	0

Proportion Normal Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		100/100	100/100	100/100	100/100	100/100
100		0/100	0/100	0/100	0/100	0/100
180		0/100	0/100	0/100	0/100	0/100

CETIS Analytical Report

Report Date: 01 May-14 11:46 (p 1 of 2)
Test Code: ABS040914 | 12-0374-1838

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 17-4097-2661	Endpoint: Proportion Normal	CETIS Version: CETISv1.8.7
Analyzed: 01 May-14 11:45	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Sample ID: 01-6104-2427	Code: ABS040914	Client: Internal Lab
Sample Date: 09 Apr-14 12:15	Material: Zinc	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: NA	Station: REF TOX	

Data Transform	Zeta	Alt Hyp	Trials	Seed	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	56	100	74.83	

Steel Many-One Rank Sum Test

Control	vs	C-µg/L	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control	18		27.5	17	1	8	0.7500	Asymp	Non-Significant Effect
	32		27.5	17	1	8	0.7500	Asymp	Non-Significant Effect
	56		27.5	17	1	8	0.7500	Asymp	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0	0	3	65540	<0.0001	Significant Effect
Error	0	0	16			
Total	0		19			

Proportion Normal Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	5	1	1	1	1	1	1	0	0.0%	0.0%
18		5	1	1	1	1	1	1	0	0.0%	0.0%
32		5	1	1	1	1	1	1	0	0.0%	0.0%
56		5	1	1	1	1	1	1	0	0.0%	0.0%
100		5	0	0	0	0	0	0	0		100.0%
180		5	0	0	0	0	0	0	0		100.0%

Angular (Corrected) Transformed Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Contr	5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	0.0%
18		5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	0.0%
32		5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	0.0%
56		5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	0.0%
100		5	0.05002	0.05001	0.05003	0.05002	0.05002	0.05002	0	0.0%	96.71%
180		5	0.05002	0.05001	0.05003	0.05002	0.05002	0.05002	0	0.0%	96.71%

Proportion Normal Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		1	1	1	1	1
100		0	0	0	0	0
180		0	0	0	0	0

Angular (Corrected) Transformed Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1.521	1.521	1.521	1.521	1.521
18		1.521	1.521	1.521	1.521	1.521
32		1.521	1.521	1.521	1.521	1.521
56		1.521	1.521	1.521	1.521	1.521
100		0.05002	0.05002	0.05002	0.05002	0.05002
180		0.05002	0.05002	0.05002	0.05002	0.05002

CETIS Analytical Report

Report Date: 01 May-14 11:46 (p 2 of 2)
Test Code: ABS040914 | 12-0374-1838

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 17-4097-2661
Analyzed: 01 May-14 11:45

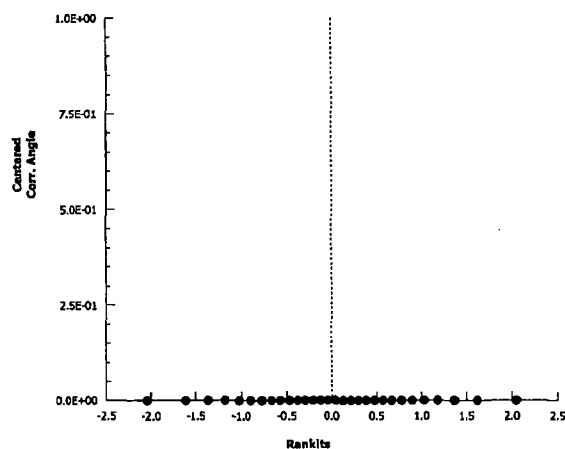
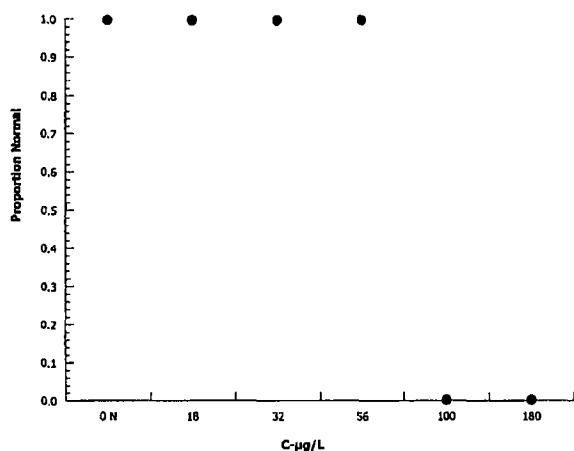
Endpoint: Proportion Normal
Analysis: Nonparametric-Control vs Treatments

CETIS Version: CETISv1.8.7
Official Results: Yes

Proportion Normal Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		100/100	100/100	100/100	100/100	100/100
100		0/100	0/100	0/100	0/100	0/100
180		0/100	0/100	0/100	0/100	0/100

Graphics



CETIS Analytical Report

Report Date: 01 May-14 11:46 (p 1 of 2)
Test Code: ABS040914 | 12-0374-1838

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 06-7799-8613	Endpoint: Proportion Normal	CETIS Version: CETISv1.8.7
Analyzed: 01 May-14 11:45	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Sample ID: 01-6104-2427	Code: ABS040914	Client: Internal Lab
Sample Date: 09 Apr-14 12:15	Material: Zinc	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: NA	Station: REF TOX	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Point Estimates

Level	µg/L	95% LCL	95% UCL
EC5	58.2	58.2	58.2
EC10	60.4	60.4	60.4
EC15	62.6	62.6	62.6
EC20	64.8	64.8	64.8
EC25	67	67	67
EC40	73.6	73.6	73.6
EC50	78	78	78

Proportion Normal Summary

Calculated Variate(A/B)

C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	5	1	1	1	0	0	0.0%	0.0%	500	500
18		5	1	1	1	0	0	0.0%	0.0%	500	500
32		5	1	1	1	0	0	0.0%	0.0%	500	500
56		5	1	1	1	0	0	0.0%	0.0%	500	500
100		5	0	0	0	0	0		100.0%	0	500
180		5	0	0	0	0	0		100.0%	0	500

Proportion Normal Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		1	1	1	1	1
100		0	0	0	0	0
180		0	0	0	0	0

Proportion Normal Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		100/100	100/100	100/100	100/100	100/100
100		0/100	0/100	0/100	0/100	0/100
180		0/100	0/100	0/100	0/100	0/100

CETIS Analytical Report

Report Date: 01 May-14 11:46 (p 2 of 2)

Test Code: ABS040914 | 12-0374-1838

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 06-7799-8613

Endpoint: Proportion Normal

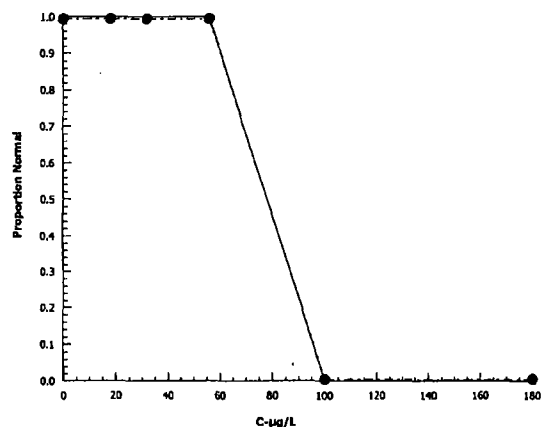
CETIS Version: CETISv1.8.7

Analyzed: 01 May-14 11:45

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

Graphics



CETIS Measurement Report

Report Date: 01 May-14 11:46 (p 1 of 2)
Test Code: ABS040914 | 12-0374-1838

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 12-1036-1374 Test Type: Development
Start Date: 09 Apr-14 12:15 Protocol: EPA/600/R-95/136 (1995)
Ending Date: 11 Apr-14 12:15 Species: Haliotis rufescens
Duration: 48h Source: Cultured Abalone

Analyst:
Diluent: Laboratory Seawater
Brine: Tropic Marin
Age:

Sample ID: 01-6104-2427 Code: ABS040914
Sample Date: 09 Apr-14 12:15 Material: Zinc
Receive Date: Source: Reference Toxicant
Sample Age: NA Station: REF TOX

Client: Internal Lab
Project: REF TOX

Parameter Acceptability Criteria

Parameter	Min	Max	Acceptability Limits	Overlap	Decision
Salinity-ppt	34	34	32 - 36	Yes	Results Within Limits
Temperature-°C	14.4	14.5	14 - 16	Yes	Results Within Limits

Dissolved Oxygen-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	6.25	-10.9	23.4	4.9	7.6	1.35	1.909	30.55%	0
18		2	6.8	-4.636	18.24	5.9	7.7	0.9	1.273	18.72%	0
32		2	6.8	-4.636	18.24	5.9	7.7	0.9	1.273	18.72%	0
56		2	6.8	-4.636	18.24	5.9	7.7	0.9	1.273	18.72%	0
100		2	6.8	-4.636	18.24	5.9	7.7	0.9	1.273	18.72%	0
180		2	6.8	-4.636	18.24	5.9	7.7	0.9	1.273	18.72%	0
Overall		12	6.708			4.9	7.7				0 (0%)

pH-Units

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	7.45	6.815	8.085	7.4	7.5	0.05	0.07072	0.95%	0
18		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
32		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
56		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
100		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
180		2	7.55	6.915	8.185	7.5	7.6	0.05	0.07071	0.94%	0
Overall		12	7.533			7.4	7.6				0 (0%)

Salinity-ppt

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	34	34	34	34	34	0	0	0.0%	0
18		2	34	34	34	34	34	0	0	0.0%	0
32		2	34	34	34	34	34	0	0	0.0%	0
56		2	34	34	34	34	34	0	0	0.0%	0
100		2	34	34	34	34	34	0	0	0.0%	0
180		2	34	34	34	34	34	0	0	0.0%	0
Overall		12	34			34	34				0 (0%)

Temperature-°C

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
18		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
32		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
56		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
100		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
180		2	14.45	13.81	15.09	14.4	14.5	0.04998	0.07069	0.49%	0
Overall		12	14.45			14.4	14.5				0 (0%)

CETIS Measurement Report

Report Date: 01 May-14 11:46 (p 2 of 2)
Test Code: ABS040914 | 12-0374-1838

Red Abalone Larval Development Test

Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L

C-µg/L	Control Type	1	2
0	Negative Contr	7.6	4.9
18		7.7	5.9
32		7.7	5.9
56		7.7	5.9
100		7.7	5.9
180		7.7	5.9

pH-Units

C-µg/L	Control Type	1	2
0	Negative Contr	7.4	7.5
18		7.5	7.6
32		7.5	7.6
56		7.5	7.6
100		7.5	7.6
180		7.5	7.6

Salinity-ppt

C-µg/L	Control Type	1	2
0	Negative Contr	34	34
18		34	34
32		34	34
56		34	34
100		34	34
180		34	34

Temperature-°C

C-µg/L	Control Type	1	2
0	Negative Contr	14.4	14.5
18		14.4	14.5
32		14.4	14.5
56		14.4	14.5
100		14.4	14.5
180		14.4	14.5