Pacific Gas and Electric Company®

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

PG&E Letter DCL-2015-518

Electronic Submission
CIWQS Web Application

April 20, 2015

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 1st Quarter 2015 report on Discharge Self-Monitoring at Diablo Canyon Power Plant (DCPP) is provided. This letter and accompanying report summary has been attached to the State CIWQS application data submittal (eSMR). State DMR Forms are additionally incorporated in the CIWQS electronic data submittal (eDMR).

Facility Name:	Pacific Gas & Electric Company Diablo Canyon Power Plant
Address:	P.O. Box 56 Avila Beach, CA 93424
Contact Person: **Job Title:** **Phone Number:**	Bryan Cunningham Supervisor, Environmental Operations (805) 545-4439
WDR/NPDES Order Number:	Order No. 90-09, NPDES No. CA0003751

Type of Report: (check one)

QUARTERLY	ANNUAL
☒	☐

Quarter: (check one):

1st	2nd	3rd	4th
☒	☐	☐	☐

Year: 2015 (Annual Reports for **DCPP** are Jan-Dec)

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

IE25
NRR

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

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

c) Reported Value(s):

d) WDR/NPDES Limit/Condition:

e) Dates of Violation(s):
(reference page of report/data sheet) (If "YES", see overview section of attached report)

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,

Kenneth W. Cortese

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

2015518/jlk/bkc

cc: PDF Formatted Copy of CIWQS Application Submittal:

Regional Administrator
Licensing Assistant, Operations Branch
U.S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

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

First Quarter 2015

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

TABLE OF CONTENTS

OVERVIEW

1. During the first quarter of 2015, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 0001J, 001L, 001N, 001P, and 002 through 015. No discharges occurred from Discharge Paths 001I, 001K, 001M, 016 and 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1**.

2. The substances listed in Table B of the California Ocean Plan were each analyzed for and reported in the permit renewal application and application updates for Diablo Canyon Power Plant (DCPP) submitted in 1994, 2001, and 2011. There have been no changes in activities conducted at the plant that would have significantly affected the results previously reported in the above referenced documents. Ocean Plan Table B substances not analyzed for this quarter were not added to any plant discharge streams.

3. During the first quarter of 2015, maintenance activities that required draining of closed cooling water systems were performed, and are summarized below. PG&E received concurrence from the CCRWQCB in response to letters dated July 19, 1995 (PG&E Letter DCL-95-156), May 23, 1996 (PG&E Letter DCL-96-522), and May 19, 1997 (PG&E Letter DCL-97-533) regarding the use of glutaraldehyde and isothiazolin to control microbiological growth and corrosion in DCPP's closed cooling water systems. Discharges are drained at a flow rate such that the chronic toxicity level remains below the "No Observable Effect Concentration" (NOEC) at NPDES Discharge 001.

Date	System	Volume (gallons)	Glutaraldehyde (mg/l)	Isothiazolin (mg/l as Cl^-)	Total Suspended Solids (mg/l)	Oil & Grease (mg/l)
02/18/15	Unit 2 CCW	4,000	82	0.0	< 2.0	< 1.4

4. On 01/05/15 a leak was discovered in the pipe routing make-up water system process brine to discharge point 001G. The leaking water exited via a through-wall crack in a PVC pipe joint. The leak flowed onto an earthen hillside, and a portion of the leak reached a storm water drainage ditch that routed the water approximately 200 yards to Diablo Creek via discharge point 010. This event was an inadvertent bypass of a permitted plant wastewater discharge pathway. There were no exceedances of NPDES permit limits as a result of the leak. The water released was plant freshwater make-up system process brine containing some non-hazardous mineral constituent concentrates (TDS = 1,262 ppm, Conductivity = 1,727 uS/cm). The water flow was shut-down on 01/06/15. The pipe was subsequently repaired and placed back in service on 01/07/15 with no further leakage. There was no indication of a negative impact to vegetation on the earthen hillside, or along the storm water pathway to Diablo Creek. Regional Water Quality Control Board staff were notified within 24 hours of discovery of the leak.

5. On 02/18/15 an estimated 1,846 gallons of process water overflowed from the Unit 1 condensate polisher sump. Some of the release flowed into a drain inlet routed to the main turbine building sump system (normal discharge pathway), some remained on the surrounding area pavement; however, a portion routed to Diablo Creek via discharge point 008. The overflow was caused by the malfunction of an automatic valve. On discovery, the malfunctioning valve was manually manipulated terminating the overflow. Subsequent maintenance work replaced the faulty valve. This event was an inadvertent bypass of a permitted plant wastewater discharge pathway. The sump effluent was very clean, near pure, polisher process freshwater. There were no exceedances of NPDES permit limits due to the event. Regional Water Quality Control Board staff were notified within 24 hours of discovery of the sump overflow, and partial water release to outfall.

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the January, February, and March 2015 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 February 26 – March 02, 2015, 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 March 03 - 05, 2015, 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 first quarter continued under the Diablo Canyon Receiving Water Monitoring Program (RWMP) as requested in a letter from the Central Coast Regional Water Quality Control Board (CCRWQCB) dated December 9, 1998, and as detailed in a letter (PG&E Letter DCL-99-503) dated January 8, 1999. This program includes tasks from the Ecological Monitoring Program (EMP) with additional stations and increased sampling frequencies. The RWMP replaces the EMP and the Thermal Effects Monitoring Program (TEMP).

2. In Situ Bioassay

   Results of the Mussel Watch Program will be reported to the CCRWQCB directly from the California Department of Fish and Wildlife 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 in the range of 250-300 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 first quarter with one brief interruption in February 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 first quarter with one brief interruption in February for equipment maintenance activities, and two brief additional interruptions for a single Unit 2 conduit due to an injection control system fault that initiated automatic equipment shut-down.

APPENDIX 1

DIABLO CANYON POWER PLANT

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

CIWQS Web Application Submittal Print Out and Attached Supporting Documents

eSMR PDF Report

Summary: Quarterly SMR (MONNPDES) report for Q1 2015

Summary: Quarterly SMR (MONNPDES) report for Q1 2015 submitted by Kenneth Cortese (No Title) on 04/20/2015.

Facility Name: PG&E Diablo Canyon Power Plant
Waterboard Office: Region 3 - Central Coast
Report Effective Dates: 01/01/2015 - 03/31/2015
Order Number: R3-1990-0009
Case Worker: Peter Von Langen

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		01/01/2015 - 03/31/2015	Plant Seawater Evaporators no longer in service.
Diablo M-001J			
Diablo M-001K		01/01/2015 - 03/31/2015	Plant Condenser Tube Sheet Leak Detection Dump Tank no longer in service.
Diablo M-001L			
Diablo M-001M		01/01/2015 - 03/31/2015	Plant Wastewater Holding and Treatment System (WHAT) not discharged during 1Q15. Discharge is intermittent, used as required.
Diablo M-001N			
Diablo M-001P			
Diablo M-002			
Diablo M-003			
Diablo M-004			
Diablo M-005		01/01/2015 - 03/31/2015	
Diablo M-008		01/01/2015 - 03/31/2015	
Diablo M-009		01/01/2015 - 03/31/2015	
Diablo M-013		01/01/2015 - 03/31/2015	
Diablo M-015		01/01/2015 - 03/31/2015	
Diablo M-016		01/01/2015 - 03/31/2015	Bio Lab Seawater Supply Line Valve Box not drained during 1Q15. No effluent discharged.
Diablo M-017		01/01/2015 - 03/31/2015	Seawater RO System Blowdown Line not drained during 1Q15. Discharge rarely used.
Diablo M-INF			

Self-Determined Violations

No Violations Entered

Attachments

File Name	File Description	Date Uploaded	File Size
Attachment 1 - 2015 1st Qrt DCPP NPDES Worksheets.pdf		04/20/2015	244445 bytes
Attachment 2 - 2015 1st Qtr DCPP NPDES Contract Lab Results.pdf		04/20/2015	3167633 bytes

Cover Letter (Uploaded File)

Title	Date Uploaded	File Size
PGE DCL2015518 1st-Q 2015 DSMR Summary.pdf	04/20/2015	1001934 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)	02/02/2015 : 09:59:00	02/13/2015	=	0.14	mg/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04202015.zip
M-001	Chromium (Total)	DU : Data Unavailable	01/15/2015 : 09:50:00	01/22/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_04202015.zip
M-001	Chromium (Total)	DU : Data Unavailable	02/02/2015 : 09:59:00	02/12/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_04202015.zip
M-001	Chromium (Total)	DU : Data Unavailable	03/03/2015 : 09:51:00	03/17/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_04202015.zip
M-001	Chronic Toxicity	DU : Data Unavailable	03/02/2015 : 09:55:00	03/03/2015	=	1	TUc				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04202015.zip
M-001	Copper, Total	DU : Data Unavailable	01/15/2015 : 09:50:00	01/22/2015	DNQ	8.1	ug/L	5		10	No			CDF_Analytical_Calculated_04202015.zip
M-001	Copper, Total	DU : Data Unavailable	02/02/2015 : 09:59:00	02/12/2015	DNQ	6	ug/L	5		10	No			CDF_Analytical_Calculated_04202015.zip
M-001	Copper, Total	DU : Data Unavailable	03/03/2015 : 09:51:00	03/17/2015	DNQ	7	ug/L	5		10	No			CDF_Analytical_Calculated_04202015.zip
M-001	Nickel, Total	DU : Data Unavailable	01/15/2015 : 09:50:00	01/22/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_04202015.zip
M-001	Nickel, Total	DU : Data Unavailable	02/02/2015 : 09:59:00	02/12/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_04202015.zip
M-001	Nickel, Total	DU : Data Unavailable	03/03/2015 : 09:51:00	03/17/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_04202015.zip
M-001	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	01/15/2015 : 09:50:00	01/15/2015	=	8	SU				No			CDF_Analytical_Calculated_04202015.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	02/02/2015 : 09:59:00	02/02/2015	=	8	SU				No			CDF_Analytical_Calculated_042020 15.zip
M-001	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	03/03/2015 : 09:51:00	03/03/2015	=	7.9	SU				No			CDF_Analytical_Calculated_042020 15.zip
M-001	Zinc, Total	DU : Data Unavailable	03/03/2015 : 09:51:00	03/17/2015	DNQ	7	ug/L	5		10	No			CDF_Analytical_Calculated_042020 15.zip
M-001	Zinc, Total	DU : Data Unavailable	01/15/2015 : 09:50:00	01/22/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_042020 15.zip
M-001	Zinc, Total	DU : Data Unavailable	02/02/2015 : 09:59:00	02/12/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_042020 15.zip
M-001D	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	02/10/2015 : 09:32:00	02/10/2015	DNQ	1.5	mg/L	1.4		5	No		Monthly avg result. See Attachment 1, Tab 6	CDF_Analytical_Calculated_042020 15.zip
M-001F	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	01/08/2015 : 12:55:00	01/14/2015	ND		mg/L	1.4			No			CDF_Analytical_Calculated_042020 15.zip
M-001F	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	02/02/2015 : 12:37:00	02/06/2015	ND		mg/L	1.4			No			CDF_Analytical_Calculated_042020 15.zip
M-001F	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	03/03/2015 : 10:35:00	03/09/2015	ND		mg/L	1.4			No			CDF_Analytical_Calculated_042020 15.zip
M-001G	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	01/08/2015 : 11:45:00	01/14/2015	ND		mg/L	1.4			No			CDF_Analytical_Calculated_042020 15.zip
M-001G	Total Suspended Solids (TSS)	A2540D : Standard Method (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	01/08/2015 : 11:45:00	01/09/2015	ND		mg/L	2			No			CDF_Analytical_Calculated_042020 15.zip
M-001G	Total Suspended Solids (TSS)	A2540D : Standard Method (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	02/03/2015 : 12:37:00	02/05/2015	ND		mg/L	2			No			CDF_Analytical_Calculated_042020 15.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	03/05/2015 : 12:15:00	03/05/2015	ND		mg/L	2			No			CDF_Analytical_Calculated_042015.zip
M-001J	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	01/01/2015 : 14:00:00	01/14/2015	ND		mg/L	1.4			No			CDF_Analytical_Calculated_042015.zip
M-001J	Total Suspended Solids (TSS)	A2540D : Standard Method (19th) 2540 D: Tot. Sus. Solids Dried 103-105C	01/01/2015 : 14:00:00	01/01/2015	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-001P	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	01/12/2015 : 12:30:00	01/27/2015	ND		mg/L	1.4			No			CDF_Analytical_Calculated_042015.zip
M-003	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	01/08/2015 : 09:13:00	01/27/2015	ND		mg/L	1.4			No			CDF_Analytical_Calculated_042015.zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	01/08/2015 : 09:13:00	01/08/2015	=	8	SU				No			CDF_Analytical_Calculated_042015.zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	02/02/2015 : 15:15:00	02/02/2015	=	8	SU				No			CDF_Analytical_Calculated_042015.zip
M-003	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	03/03/2015 : 14:07:00	03/03/2015	=	7.9	SU				No			CDF_Analytical_Calculated_042015.zip
M-004	Oil and Grease	E1664A : HEM and SGT-HEM by Extraction and Gravimetry, Rev. A	01/08/2015 : 10:04:00	01/14/2015	ND		mg/L	1.4			No			CDF_Analytical_Calculated_042015.zip
M-004	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	01/08/2015 : 10:04:00	01/08/2015	=	8.1	SU				No			CDF_Analytical_Calculated_042015.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	02/10/2015 : 14:55:00	02/10/2015	=	8	SU				No			CDF_Analytical_Calculated_042015.zip
M-004	pH	A4500HB : Standard Method (19th) 4500-H+ B: pH by Electrometric Method	03/03/2015 : 13:44:00	03/03/2015	=	8	SU				No			CDF_Analytical_Calculated_042015.zip
M-INF	Ammonia, Total (as N)	A4500NH : Standard Method (19th) 4500-NH: Nitrogen (Ammonia)	02/02/2015 : 09:47:00	02/13/2015	=	0.13	mg/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	01/15/2015 : 09:38:00	01/15/2015	=	8	SU				No			CDF_Analytical_Calculated_042015.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	02/02/2015 : 09:47:00	02/02/2015	=	8	SU				No			CDF_Analytical_Calculated_042015.zip
M-INF	pH	A4500H : Standard Method (19th) 4500-H+: pH Value	03/03/2015 : 09:39:00	03/03/2015	=	7.9	SU				No			CDF_Analytical_Calculated_042015.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	01/01/2015 : 00:00:00	01/31/2015	=	706	lb/day				No		Monthly avg result. See Attachment 1, Tab 2	CDF_Analytical_Calculated_042015.zip
M-001	Chlorine Usage	30-Day Average of Daily Averages	02/01/2015 : 00:00:00	02/28/2015	=	681	lb/day				No		Monthly avg result. See Attachment 1, Tab 3	CDF_Analytical_Calculated_042015.zip
M-001	Chlorine Usage	30-Day Average of Daily Averages	03/01/2015 : 00:00:00	03/31/2015	=	651	lb/day				No		Monthly avg result. See Attachment 1, Tab 4	CDF_Analytical_Calculated_042015.zip
M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	01/01/2015 : 00:00:00	01/31/2015	=	40	ug/L				No		Monthly avg result. See Attachment 1, Tab 2	CDF_Analytical_Calculated_042015.zip
M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	02/01/2015 : 00:00:00	02/28/2015	=	36	ug/L				No		Monthly avg result. See Attachment 1, Tab 3	CDF_Analytical_Calculated_042015.zip
M-001	Chlorine, Total Residual	30-Day Average of Daily Maximums	03/01/2015 : 00:00:00	03/31/2015	=	33	ug/L				No		Monthly avg result. See Attachment 1, Tab 4	CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/01/2015 : 00:00:00	01/01/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/02/2015 : 00:00:00	01/02/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/03/2015 : 00:00:00	01/03/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.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	01/04/2015 : 00:00:00	01/04/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/05/2015 : 00:00:00	01/05/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/06/2015 : 00:00:00	01/06/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/07/2015 : 00:00:00	01/07/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/08/2015 : 00:00:00	01/08/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/09/2015 : 00:00:00	01/09/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/10/2015 : 00:00:00	01/10/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/11/2015 : 00:00:00	01/11/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/12/2015 : 00:00:00	01/12/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/13/2015 : 00:00:00	01/13/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/14/2015 : 00:00:00	01/14/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/15/2015 : 00:00:00	01/15/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/16/2015 : 00:00:00	01/16/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/17/2015 : 00:00:00	01/17/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/18/2015 : 00:00:00	01/18/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/19/2015 : 00:00:00	01/19/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/20/2015 : 00:00:00	01/20/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/21/2015 : 00:00:00	01/21/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/22/2015 : 00:00:00	01/22/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/23/2015 : 00:00:00	01/23/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.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	01/24/2015 : 00:00:00	01/24/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/25/2015 : 00:00:00	01/25/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/26/2015 : 00:00:00	01/26/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/27/2015 : 00:00:00	01/27/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/28/2015 : 00:00:00	01/28/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/29/2015 : 00:00:00	01/29/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/30/2015 : 00:00:00	01/30/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	01/31/2015 : 00:00:00	01/31/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/01/2015 : 00:00:00	02/01/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/02/2015 : 00:00:00	02/02/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/03/2015 : 00:00:00	02/03/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/04/2015 : 00:00:00	02/04/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/05/2015 : 00:00:00	02/05/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/06/2015 : 00:00:00	02/06/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/07/2015 : 00:00:00	02/07/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/08/2015 : 00:00:00	02/08/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/09/2015 : 00:00:00	02/09/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/10/2015 : 00:00:00	02/10/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/11/2015 : 00:00:00	02/11/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/12/2015 : 00:00:00	02/12/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.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	02/13/2015 : 00:00:00	02/13/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/14/2015 : 00:00:00	02/14/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/15/2015 : 00:00:00	02/15/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/16/2015 : 00:00:00	02/16/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/17/2015 : 00:00:00	02/17/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/18/2015 : 00:00:00	02/18/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/19/2015 : 00:00:00	02/19/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/20/2015 : 00:00:00	02/20/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/21/2015 : 00:00:00	02/21/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/22/2015 : 00:00:00	02/22/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/23/2015 : 00:00:00	02/23/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/24/2015 : 00:00:00	02/24/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/25/2015 : 00:00:00	02/25/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/26/2015 : 00:00:00	02/26/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/27/2015 : 00:00:00	02/27/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	02/28/2015 : 00:00:00	02/28/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/01/2015 : 00:00:00	03/01/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/02/2015 : 00:00:00	03/02/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/03/2015 : 00:00:00	03/03/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/04/2015 : 00:00:00	03/04/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.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	03/05/2015 : 00:00:00	03/05/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/06/2015 : 00:00:00	03/06/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/07/2015 : 00:00:00	03/07/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/08/2015 : 00:00:00	03/08/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/09/2015 : 00:00:00	03/09/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/10/2015 : 00:00:00	03/10/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/11/2015 : 00:00:00	03/11/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/12/2015 : 00:00:00	03/12/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/13/2015 : 00:00:00	03/13/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/14/2015 : 00:00:00	03/14/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/15/2015 : 00:00:00	03/15/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/16/2015 : 00:00:00	03/16/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/17/2015 : 00:00:00	03/17/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/18/2015 : 00:00:00	03/18/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/19/2015 : 00:00:00	03/19/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/20/2015 : 00:00:00	03/20/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/21/2015 : 00:00:00	03/21/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/22/2015 : 00:00:00	03/22/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/23/2015 : 00:00:00	03/23/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.zip
M-001	Flow	Daily Discharge	03/24/2015 : 00:00:00	03/24/2015	=	2486	MGD				No			CDF_Analytical_Calculated_04202015.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	03/25/2015 : 00:00:00	03/25/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/26/2015 : 00:00:00	03/26/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/27/2015 : 00:00:00	03/27/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/28/2015 : 00:00:00	03/28/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/29/2015 : 00:00:00	03/29/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/30/2015 : 00:00:00	03/30/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Flow	Daily Discharge	03/31/2015 : 00:00:00	03/31/2015	=	2486	MGD				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/01/2015 : 00:00:00	01/01/2015	=	67.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/02/2015 : 00:00:00	01/02/2015	=	67.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/03/2015 : 00:00:00	01/03/2015	=	67	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/04/2015 : 00:00:00	01/04/2015	=	67.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/05/2015 : 00:00:00	01/05/2015	=	73	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/06/2015 : 00:00:00	01/06/2015	=	76.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/07/2015 : 00:00:00	01/07/2015	=	77.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/08/2015 : 00:00:00	01/08/2015	=	77.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/09/2015 : 00:00:00	01/09/2015	=	77.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/10/2015 : 00:00:00	01/10/2015	=	77.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/11/2015 : 00:00:00	01/11/2015	=	77.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/12/2015 : 00:00:00	01/12/2015	=	78.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/13/2015 : 00:00:00	01/13/2015	=	78.3	Degrees F				No			CDF_Analytical_Calculated_042015.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	01/14/2015 : 00:00:00	01/14/2015	=	78.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/15/2015 : 00:00:00	01/15/2015	=	78.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/16/2015 : 00:00:00	01/16/2015	=	78	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/17/2015 : 00:00:00	01/17/2015	=	78	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/18/2015 : 00:00:00	01/18/2015	=	78.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/19/2015 : 00:00:00	01/19/2015	=	78	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/20/2015 : 00:00:00	01/20/2015	=	77.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/21/2015 : 00:00:00	01/21/2015	=	77.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/22/2015 : 00:00:00	01/22/2015	=	77.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/23/2015 : 00:00:00	01/23/2015	=	77.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/24/2015 : 00:00:00	01/24/2015	=	77.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/25/2015 : 00:00:00	01/25/2015	=	77.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/26/2015 : 00:00:00	01/26/2015	=	77.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/27/2015 : 00:00:00	01/27/2015	=	77.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/28/2015 : 00:00:00	01/28/2015	=	77.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/29/2015 : 00:00:00	01/29/2015	=	77.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/30/2015 : 00:00:00	01/30/2015	=	77.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	01/31/2015 : 00:00:00	01/31/2015	=	77	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/01/2015 : 00:00:00	02/01/2015	=	77.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/02/2015 : 00:00:00	02/02/2015	=	77.3	Degrees F				No			CDF_Analytical_Calculated_042015.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	02/03/2015 : 00:00:00	02/03/2015	=	77.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/04/2015 : 00:00:00	02/04/2015	=	77.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/05/2015 : 00:00:00	02/05/2015	=	77.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/06/2015 : 00:00:00	02/06/2015	=	77.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/07/2015 : 00:00:00	02/07/2015	=	78	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/08/2015 : 00:00:00	02/08/2015	=	78.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/09/2015 : 00:00:00	02/09/2015	=	78.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/10/2015 : 00:00:00	02/10/2015	=	77.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/11/2015 : 00:00:00	02/11/2015	=	77.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/12/2015 : 00:00:00	02/12/2015	=	78.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/13/2015 : 00:00:00	02/13/2015	=	78.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/14/2015 : 00:00:00	02/14/2015	=	77.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/15/2015 : 00:00:00	02/15/2015	=	77.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/16/2015 : 00:00:00	02/16/2015	=	77.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/17/2015 : 00:00:00	02/17/2015	=	77.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/18/2015 : 00:00:00	02/18/2015	=	76.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/19/2015 : 00:00:00	02/19/2015	=	76.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/20/2015 : 00:00:00	02/20/2015	=	76.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/21/2015 : 00:00:00	02/21/2015	=	77.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/22/2015 : 00:00:00	02/22/2015	=	77.2	Degrees F				No			CDF_Analytical_Calculated_042015.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	02/23/2015 : 00:00:00	02/23/2015	=	76.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/24/2015 : 00:00:00	02/24/2015	=	76.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/25/2015 : 00:00:00	02/25/2015	=	75.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/26/2015 : 00:00:00	02/26/2015	=	73.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/27/2015 : 00:00:00	02/27/2015	=	72.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	02/28/2015 : 00:00:00	02/28/2015	=	72.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/01/2015 : 00:00:00	03/01/2015	=	74.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/02/2015 : 00:00:00	03/02/2015	=	75	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/03/2015 : 00:00:00	03/03/2015	=	73.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/04/2015 : 00:00:00	03/04/2015	=	72.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/05/2015 : 00:00:00	03/05/2015	=	74.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/06/2015 : 00:00:00	03/06/2015	=	74.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/07/2015 : 00:00:00	03/07/2015	=	74.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/08/2015 : 00:00:00	03/08/2015	=	73.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/09/2015 : 00:00:00	03/09/2015	=	74	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/10/2015 : 00:00:00	03/10/2015	=	75.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/11/2015 : 00:00:00	03/11/2015	=	75.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/12/2015 : 00:00:00	03/12/2015	=	74.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/13/2015 : 00:00:00	03/13/2015	=	74.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/14/2015 : 00:00:00	03/14/2015	=	74.5	Degrees F				No			CDF_Analytical_Calculated_042015.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	03/15/2015 : 00:00:00	03/15/2015	=	74.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/16/2015 : 00:00:00	03/16/2015	=	74.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/17/2015 : 00:00:00	03/17/2015	=	74.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/18/2015 : 00:00:00	03/18/2015	=	72.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/19/2015 : 00:00:00	03/19/2015	=	72.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/20/2015 : 00:00:00	03/20/2015	=	73.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/21/2015 : 00:00:00	03/21/2015	=	73.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/22/2015 : 00:00:00	03/22/2015	=	74.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/23/2015 : 00:00:00	03/23/2015	=	74.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/24/2015 : 00:00:00	03/24/2015	=	72.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/25/2015 : 00:00:00	03/25/2015	=	71.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/26/2015 : 00:00:00	03/26/2015	=	72.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/27/2015 : 00:00:00	03/27/2015	=	72.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/28/2015 : 00:00:00	03/28/2015	=	72.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/29/2015 : 00:00:00	03/29/2015	=	72.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/30/2015 : 00:00:00	03/30/2015	=	72	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	24-hour Average	03/31/2015 : 00:00:00	03/31/2015	=	71.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Daily Maximum	01/01/2015 : 00:00:00	01/31/2015	=	78.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Daily Maximum	02/01/2015 : 00:00:00	02/28/2015	=	78.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Daily Maximum	03/01/2015 : 00:00:00	03/31/2015	=	75.1	Degrees F				No			CDF_Analytical_Calculated_042015.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	01/01/2015 : 00:00:00	01/01/2015	=	9.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/02/2015 : 00:00:00	01/02/2015	=	9.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/03/2015 : 00:00:00	01/03/2015	=	9.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/04/2015 : 00:00:00	01/04/2015	=	10.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/05/2015 : 00:00:00	01/05/2015	=	15.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/06/2015 : 00:00:00	01/06/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/07/2015 : 00:00:00	01/07/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/08/2015 : 00:00:00	01/08/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/09/2015 : 00:00:00	01/09/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/10/2015 : 00:00:00	01/10/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/11/2015 : 00:00:00	01/11/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/12/2015 : 00:00:00	01/12/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/13/2015 : 00:00:00	01/13/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/14/2015 : 00:00:00	01/14/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/15/2015 : 00:00:00	01/15/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/16/2015 : 00:00:00	01/16/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/17/2015 : 00:00:00	01/17/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/18/2015 : 00:00:00	01/18/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/19/2015 : 00:00:00	01/19/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/20/2015 : 00:00:00	01/20/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.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	01/21/2015 : 00:00:00	01/21/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/22/2015 : 00:00:00	01/22/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/23/2015 : 00:00:00	01/23/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/24/2015 : 00:00:00	01/24/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/25/2015 : 00:00:00	01/25/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/26/2015 : 00:00:00	01/26/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/27/2015 : 00:00:00	01/27/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/28/2015 : 00:00:00	01/28/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/29/2015 : 00:00:00	01/29/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/30/2015 : 00:00:00	01/30/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	01/31/2015 : 00:00:00	01/31/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/01/2015 : 00:00:00	02/01/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/02/2015 : 00:00:00	02/02/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/03/2015 : 00:00:00	02/03/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/04/2015 : 00:00:00	02/04/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/05/2015 : 00:00:00	02/05/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/06/2015 : 00:00:00	02/06/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/07/2015 : 00:00:00	02/07/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/08/2015 : 00:00:00	02/08/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/09/2015 : 00:00:00	02/09/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.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	02/10/2015 : 00:00:00	02/10/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/11/2015 : 00:00:00	02/11/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/12/2015 : 00:00:00	02/12/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/13/2015 : 00:00:00	02/13/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/14/2015 : 00:00:00	02/14/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/15/2015 : 00:00:00	02/15/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/16/2015 : 00:00:00	02/16/2015	=	18.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/17/2015 : 00:00:00	02/17/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/18/2015 : 00:00:00	02/18/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/19/2015 : 00:00:00	02/19/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/20/2015 : 00:00:00	02/20/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/21/2015 : 00:00:00	02/21/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/22/2015 : 00:00:00	02/22/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/23/2015 : 00:00:00	02/23/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/24/2015 : 00:00:00	02/24/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/25/2015 : 00:00:00	02/25/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/26/2015 : 00:00:00	02/26/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/27/2015 : 00:00:00	02/27/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	02/28/2015 : 00:00:00	02/28/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/01/2015 : 00:00:00	03/01/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.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	03/02/2015 : 00:00:00	03/02/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/03/2015 : 00:00:00	03/03/2015	=	17.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/04/2015 : 00:00:00	03/04/2015	=	17.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/05/2015 : 00:00:00	03/05/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/06/2015 : 00:00:00	03/06/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/07/2015 : 00:00:00	03/07/2015	=	18.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/08/2015 : 00:00:00	03/08/2015	=	18.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/09/2015 : 00:00:00	03/09/2015	=	18.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/10/2015 : 00:00:00	03/10/2015	=	18.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/11/2015 : 00:00:00	03/11/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/12/2015 : 00:00:00	03/12/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/13/2015 : 00:00:00	03/13/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/14/2015 : 00:00:00	03/14/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/15/2015 : 00:00:00	03/15/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/16/2015 : 00:00:00	03/16/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/17/2015 : 00:00:00	03/17/2015	=	18.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/18/2015 : 00:00:00	03/18/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/19/2015 : 00:00:00	03/19/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/20/2015 : 00:00:00	03/20/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/21/2015 : 00:00:00	03/21/2015	=	18.4	Degrees F				No			CDF_Analytical_Calculated_042015.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	03/22/2015 : 00:00:00	03/22/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/23/2015 : 00:00:00	03/23/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/24/2015 : 00:00:00	03/24/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/25/2015 : 00:00:00	03/25/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/26/2015 : 00:00:00	03/26/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/27/2015 : 00:00:00	03/27/2015	=	18.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/28/2015 : 00:00:00	03/28/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/29/2015 : 00:00:00	03/29/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/30/2015 : 00:00:00	03/30/2015	=	18.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Delta from Background	03/31/2015 : 00:00:00	03/31/2015	=	18.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Monthly Average of Daily Averages	01/01/2015 : 00:00:00	01/31/2015	=	76.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Monthly Average of Daily Averages	02/01/2015 : 00:00:00	02/28/2015	=	76.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001	Temperature	Monthly Average of Daily Averages	03/01/2015 : 00:00:00	03/31/2015	=	73.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-001D	Cadmium, Total	90-Day Mean	01/06/2015 : 00:00:00	03/11/2015	=	0.19	ug/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001D	Chromium (Total)	90-Day Mean	01/06/2015 : 00:00:00	03/11/2015	=	3.9	ug/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001D	Copper, Total	90-Day Mean	01/06/2015 : 00:00:00	03/11/2015	=	1.6	ug/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001D	Lead, Total	90-Day Mean	01/06/2015 : 00:00:00	03/11/2015	DNQ	0.21	ug/L	.06		.3	No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001D	Mercury, Total	90-Day Mean	01/06/2015 : 00:00:00	03/11/2015	ND		ug/L	.091			No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001D	Nickel, Total	90-Day Mean	01/06/2015 : 00:00:00	03/11/2015	=	2.4	ug/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001D	Oil and Grease	30-Day Average	01/13/2015 : 00:00:00	01/28/2015	DNQ	1.4	mg/L	1.4		5	No		Monthly avg result. See Attachment 1, Tab 5	CDF_Analytical_Calculated_042015.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	03/11/2015 : 00:00:00	03/12/2015	ND		mg/L	1.4			No		Monthly avg result. See Attachment 1, Tab 7	CDF_Analytical_Calculated_042015.zip
M-001D	Silver, Total	90-Day Mean	01/06/2015 : 00:00:00	03/11/2015	DNQ	0.28	ug/L	.1		1	No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	01/13/2015 : 00:00:00	01/28/2015	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 5	CDF_Analytical_Calculated_042015.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	02/10/2015 : 00:00:00	02/25/2015	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 6	CDF_Analytical_Calculated_042015.zip
M-001D	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	03/05/2015 : 00:00:00	03/12/2015	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 7	CDF_Analytical_Calculated_042015.zip
M-001D	Zinc, Total	90-Day Mean	01/06/2015 : 00:00:00	03/11/2015	=	330	ug/L				No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001F	Cadmium, Total	7-Day Average (Mean)	01/01/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_042015.zip
M-001F	Chromium (Total)	7-Day Average (Mean)	01/01/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_042015.zip
M-001F	Copper, Total	7-Day Average (Mean)	01/01/2015 : 00:00:00	01/08/2015	=	18.6	ug/L				No			CDF_Analytical_Calculated_042015.zip
M-001F	Lead, Total	7-Day Average (Mean)	01/01/2015 : 00:00:00	01/08/2015	=	20.7	ug/L				No			CDF_Analytical_Calculated_042015.zip
M-001F	Mercury, Total	7-Day Average (Mean)	01/01/2015 : 00:00:00	01/08/2015	ND		ug/L	.05			No		See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001F	Nickel, Total	7-Day Average (Mean)	01/01/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_042015.zip
M-001F	Silver, Total	7-Day Average (Mean)	01/01/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No			CDF_Analytical_Calculated_042015.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	02/02/2015 : 12:37:00	02/03/2015	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_042015.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	03/03/2015 : 10:35:00	03/04/2015	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_042015.zip
M-001F	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	01/08/2015 : 12:55:00	01/09/2015	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-001F	Zinc, Total	7-Day Average (Mean)	01/01/2015 : 00:00:00	01/08/2015	=	30.2	ug/L				No			CDF_Analytical_Calculated_042015.zip
M-001H	Cadmium, Total	90-Day Mean	01/06/2015 : 00:00:00	01/07/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001H	Chromium (Total)	90-Day Mean	01/06/2015 : 00:00:00	01/07/2015	=	14	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001H	Copper, Total	90-Day Mean	01/06/2015 : 00:00:00	01/07/2015	=	39	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.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	Lead, Total	90-Day Mean	01/06/2015 : 00:00:00	01/07/2015	=	21	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001H	Mercury, Total	90-Day Mean	01/06/2015 : 00:00:00	01/07/2015	ND		ug/L	.05			No		Qtrly avg- Att 1 Tab 1 & Att 2 Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001H	Nickel, Total	90-Day Mean	01/06/2015 : 00:00:00	01/07/2015	=	18	ug/L				No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001H	Oil and Grease	Monthly Average (Mean)	01/02/2015 : 00:00:00	01/02/2015	ND		mg/L	1.4			No		Avg result for qtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001H	Silver, Total	90-Day Mean	01/06/2015 : 00:00:00	01/07/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	03/01/2015 : 00:00:00	03/01/2015	DNQ	3	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_042015.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	01/02/2015 : 00:00:00	01/02/2015	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-001H	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	02/01/2015 : 00:00:00	02/02/2015	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_042015.zip
M-001H	Zinc, Total	90-Day Mean	01/06/2015 : 00:00:00	01/07/2015	DNQ	8	ug/L	5		10	No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001L	Cadmium, Total	90-Day Mean	01/08/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001L	Chromium (Total)	90-Day Mean	01/08/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001L	Copper, Total	90-Day Mean	01/08/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001L	Lead, Total	90-Day Mean	01/08/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001L	Mercury, Total	90-Day Mean	01/08/2015 : 00:00:00	01/08/2015	ND		ug/L	.05			No		Qtrly avg- Att 1 Tab 1 & Att 2 Contract Lab Report	CDF_Analytical_Calculated_042015.zip
M-001L	Nickel, Total	90-Day Mean	01/08/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001L	Oil and Grease	Monthly Average (Mean)	01/08/2015 : 00:00:00	01/08/2015	ND		mg/L	1.4			No		Avg result for qtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001L	Silver, Total	90-Day Mean	01/08/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	01/08/2015 : 00:00:00	01/08/2015	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	02/09/2015 : 00:00:00	02/09/2015	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_042015.zip
M-001L	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	03/10/2015 : 00:00:00	03/10/2015	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_042015.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	Zinc, Total	90-Day Mean	01/08/2015 : 00:00:00	01/08/2015	ND		ug/L	5			No		Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-001N	Oil and Grease	30-Day Average of Daily Averages	01/02/2015 : 00:00:00	01/27/2015	DNQ	0.72	mg/L	.72		5	No		Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001N	Oil and Grease	30-Day Average of Daily Averages	02/03/2015 : 00:00:00	02/24/2015	DNQ	0.72	mg/L	.24		5	No		Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001N	Oil and Grease	30-Day Average of Daily Averages	03/03/2015 : 00:00:00	03/23/2015	DNQ	0.52	mg/L	.24		5	No		Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001N	Settleable Solids	30-Day Average	01/02/2015 : 00:00:00	01/27/2015	DNQ	0.1	ml/L	.1		.1	No		Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001N	Settleable Solids	30-Day Average	02/03/2015 : 00:00:00	02/24/2015	DNQ	0.1	ml/L	.1		.1	No		Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001N	Settleable Solids	30-Day Average	03/03/2015 : 00:00:00	03/23/2015	DNQ	0.1	ml/L	.1		.1	No		Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	01/02/2015 : 00:00:00	01/27/2015	=	18	mg/L				No		Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	02/03/2015 : 00:00:00	02/24/2015	=	17	mg/L				No		Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001N	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	03/03/2015 : 00:00:00	03/23/2015	=	11	mg/L				No		Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_042015.zip
M-001P	pH	Daily Average (Mean)	01/12/2015 : 12:30:00	01/12/2015	=	7.7	SU				No		See Attachment #1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-001P	pH	Daily Average (Mean)	02/05/2015 : 07:30:00	02/05/2015	=	7.7	SU				No		See Attachment #1, Tab 12	CDF_Analytical_Calculated_042015.zip
M-001P	pH	Daily Average (Mean)	03/12/2015 : 07:05:00	03/12/2015	=	7.7	SU				No		See Attachment #1, Tab 13	CDF_Analytical_Calculated_042015.zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	03/12/2015 : 00:00:00	03/12/2015	<	5	mg/L				No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_042015.zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	01/12/2015 : 00:00:00	01/15/2015	=	17	mg/L				No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-001P	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	02/05/2015 : 00:00:00	02/05/2015	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_042015.zip
M-002	Oil and Grease	Monthly Average (Mean)	01/08/2015 : 00:00:00	01/08/2015	ND		mg/L	1.4			No		Avg result for qrtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_042015.zip
M-002	pH	Daily Average (Mean)	01/08/2015 : 00:00:00	01/08/2015	=	8.1	SU				No		See Attachment #1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-002	pH	Daily Average (Mean)	02/02/2015 : 00:00:00	02/02/2015	=	8	SU				No		See Attachment #1, Tab 12	CDF_Analytical_Calculated_042015.zip
M-002	pH	Daily Average (Mean)	03/03/2015 : 00:00:00	03/03/2015	=	8	SU				No		See Attachment #1, Tab 13	CDF_Analytical_Calculated_042015.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	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	03/03/2015 : 00:00:00	03/03/2015	=	8	mg/L				No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_042015.zip
M-002	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	01/08/2015 : 00:00:00	01/08/2015	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-002	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	02/02/2015 : 00:00:00	02/02/2015	DNQ	2	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_042015.zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	01/08/2015 : 09:13:00	01/09/2015	DNQ	3	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_042015.zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	02/02/2015 : 15:15:00	02/03/2015	DNQ	3	mg/L	2		5	No		Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_042015.zip
M-003	Total Suspended Solids (TSS)	30-Day Average of Daily Averages	03/03/2015 : 14:07:00	03/04/2015	ND		mg/L	2			No		Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_042015.zip
M-INF	Chromium (Total)	90-Day Mean	01/15/2015 : 00:00:00	03/03/2015	ND		ug/L	5			No		Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_042015.zip
M-INF	Copper, Total	90-Day Mean	01/15/2015 : 00:00:00	03/03/2015	DNQ	7	ug/L	5		10	No		Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_042015.zip
M-INF	Nickel, Total	90-Day Mean	01/15/2015 : 00:00:00	03/03/2015	ND		ug/L	5			No		Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/01/2015 : 00:00:00	01/01/2015	=	58	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/02/2015 : 00:00:00	01/02/2015	=	57.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/03/2015 : 00:00:00	01/03/2015	=	57.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/04/2015 : 00:00:00	01/04/2015	=	57.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/05/2015 : 00:00:00	01/05/2015	=	57.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/06/2015 : 00:00:00	01/06/2015	=	58.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/07/2015 : 00:00:00	01/07/2015	=	59.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/08/2015 : 00:00:00	01/08/2015	=	59.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/09/2015 : 00:00:00	01/09/2015	=	59.3	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/10/2015 : 00:00:00	01/10/2015	=	59.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/11/2015 : 00:00:00	01/11/2015	=	59.4	Degrees F				No			CDF_Analytical_Calculated_042015.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	01/12/2015 : 00:00:00	01/12/2015	=	59.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/13/2015 : 00:00:00	01/13/2015	=	59.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/14/2015 : 00:00:00	01/14/2015	=	59.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/15/2015 : 00:00:00	01/15/2015	=	59.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/16/2015 : 00:00:00	01/16/2015	=	59.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/17/2015 : 00:00:00	01/17/2015	=	59.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/18/2015 : 00:00:00	01/18/2015	=	59.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/19/2015 : 00:00:00	01/19/2015	=	59.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/20/2015 : 00:00:00	01/20/2015	=	58.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/21/2015 : 00:00:00	01/21/2015	=	58.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/22/2015 : 00:00:00	01/22/2015	=	59.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/23/2015 : 00:00:00	01/23/2015	=	59.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/24/2015 : 00:00:00	01/24/2015	=	59.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/25/2015 : 00:00:00	01/25/2015	=	59.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/26/2015 : 00:00:00	01/26/2015	=	59	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/27/2015 : 00:00:00	01/27/2015	=	59.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/28/2015 : 00:00:00	01/28/2015	=	59	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/29/2015 : 00:00:00	01/29/2015	=	59	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/30/2015 : 00:00:00	01/30/2015	=	59	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	01/31/2015 : 00:00:00	01/31/2015	=	58.5	Degrees F				No			CDF_Analytical_Calculated_042015.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	02/01/2015 : 00:00:00	02/01/2015	=	58.8	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/02/2015 : 00:00:00	02/02/2015	=	58.7	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/03/2015 : 00:00:00	02/03/2015	=	59	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/04/2015 : 00:00:00	02/04/2015	=	59.1	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/05/2015 : 00:00:00	02/05/2015	=	59.2	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/06/2015 : 00:00:00	02/06/2015	=	59.3	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/07/2015 : 00:00:00	02/07/2015	=	59.4	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/08/2015 : 00:00:00	02/08/2015	=	59.7	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/09/2015 : 00:00:00	02/09/2015	=	59.8	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/10/2015 : 00:00:00	02/10/2015	=	59.1	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/11/2015 : 00:00:00	02/11/2015	=	59.3	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/12/2015 : 00:00:00	02/12/2015	=	59.9	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/13/2015 : 00:00:00	02/13/2015	=	59.6	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/14/2015 : 00:00:00	02/14/2015	=	59.4	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/15/2015 : 00:00:00	02/15/2015	=	59	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/16/2015 : 00:00:00	02/16/2015	=	58.6	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/17/2015 : 00:00:00	02/17/2015	=	58.6	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/18/2015 : 00:00:00	02/18/2015	=	58.2	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/19/2015 : 00:00:00	02/19/2015	=	58.2	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	24-hour Average	02/20/2015 : 00:00:00	02/20/2015	=	57.9	Degrees F				No			CDF_Analytical_Calculated_04202015.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	02/21/2015 : 00:00:00	02/21/2015	=	58.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	02/22/2015 : 00:00:00	02/22/2015	=	58.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	02/23/2015 : 00:00:00	02/23/2015	=	58.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	02/24/2015 : 00:00:00	02/24/2015	=	58.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	02/25/2015 : 00:00:00	02/25/2015	=	56.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	02/26/2015 : 00:00:00	02/26/2015	=	54.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	02/27/2015 : 00:00:00	02/27/2015	=	53.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	02/28/2015 : 00:00:00	02/28/2015	=	53.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/01/2015 : 00:00:00	03/01/2015	=	55.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/02/2015 : 00:00:00	03/02/2015	=	56.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/03/2015 : 00:00:00	03/03/2015	=	56.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/04/2015 : 00:00:00	03/04/2015	=	55	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/05/2015 : 00:00:00	03/05/2015	=	55.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/06/2015 : 00:00:00	03/06/2015	=	55.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/07/2015 : 00:00:00	03/07/2015	=	55.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/08/2015 : 00:00:00	03/08/2015	=	55.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/09/2015 : 00:00:00	03/09/2015	=	55.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/10/2015 : 00:00:00	03/10/2015	=	56.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/11/2015 : 00:00:00	03/11/2015	=	56.6	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/12/2015 : 00:00:00	03/12/2015	=	55.8	Degrees F				No			CDF_Analytical_Calculated_042015.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	03/13/2015 : 00:00:00	03/13/2015	=	55.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/14/2015 : 00:00:00	03/14/2015	=	55.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/15/2015 : 00:00:00	03/15/2015	=	56.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/16/2015 : 00:00:00	03/16/2015	=	56	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/17/2015 : 00:00:00	03/17/2015	=	56	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/18/2015 : 00:00:00	03/18/2015	=	53.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/19/2015 : 00:00:00	03/19/2015	=	54.2	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/20/2015 : 00:00:00	03/20/2015	=	54.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/21/2015 : 00:00:00	03/21/2015	=	55.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/22/2015 : 00:00:00	03/22/2015	=	55.8	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/23/2015 : 00:00:00	03/23/2015	=	55.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/24/2015 : 00:00:00	03/24/2015	=	53.7	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/25/2015 : 00:00:00	03/25/2015	=	52.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/26/2015 : 00:00:00	03/26/2015	=	54.1	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/27/2015 : 00:00:00	03/27/2015	=	53.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/28/2015 : 00:00:00	03/28/2015	=	53.4	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/29/2015 : 00:00:00	03/29/2015	=	54	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/30/2015 : 00:00:00	03/30/2015	=	53.5	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	24-hour Average	03/31/2015 : 00:00:00	03/31/2015	=	52.9	Degrees F				No			CDF_Analytical_Calculated_042015.zip
M-INF	Temperature	Daily Maximum	01/01/2015 : 00:00:00	01/31/2015	=	59.8	Degrees F				No			CDF_Analytical_Calculated_042015.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	Daily Maximum	02/01/2015 : 00:00:00	02/28/2015	=	59.9	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	Daily Maximum	03/01/2015 : 00:00:00	03/31/2015	=	56.7	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	Monthly Average of Daily Averages	01/01/2015 : 00:00:00	01/31/2015	=	58.9	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	Monthly Average of Daily Averages	02/01/2015 : 00:00:00	02/28/2015	=	58.3	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Temperature	Monthly Average of Daily Averages	03/01/2015 : 00:00:00	03/31/2015	=	55.1	Degrees F				No			CDF_Analytical_Calculated_04202015.zip
M-INF	Zinc, Total	90-Day Mean	01/15/2015 : 00:00:00	03/03/2015	DNQ	5	ug/L	5		10	No		Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_04202015.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 Q1 2015 (due 04/20/2015)

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
1st Quarter 2015

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

Navigation

	A	B	C	D	E	F	G	H	I	J	K
1											
2		**Miscellaneous Quarterly Average Calculations for Quarterly eSMR**									
3											
4		-- For Influent Quarterly Metals, fill in highlighted cells only. Subsequent cells will be filled in automatically.									
5		10 µg/L is DCPP lab Reporting Limit. 5 µg/L is DCPP lab MDL.									
6											
7		Sample Date	Analysis Date	Lab	Parameter	Results	Result for Average	Daily Average	Numerical Quarterly Average	Reporting Average for Quarter	
8											
9		1/15/2015	1/22/2015	DCPP	Influent Cr	ND(5)	0	0	0	ND(5)	
10		2/2/2015	2/12/2015	DCPP	Influent Cr	ND(5)	0	0			
11		3/3/2015	3/17/2015	DCPP	Influent Cr	ND(5)	0	0			
12											
13		1/15/2015	1/22/2015	DCPP	Influent Cu	DNQ(7)	7	7	7	DNQ(7)	
14		2/2/2015	2/12/2015	DCPP	Influent Cu	DNQ(7)	7	7			
15		3/3/2015	3/17/2015	DCPP	Influent Cu	DNQ(6)	6	6			
16											
17		1/15/2015	1/22/2015	DCPP	Influent Ni	ND(5)	0	0	0	ND(5)	
18		2/2/2015	2/12/2015	DCPP	Influent Ni	ND(5)	0	0			
19		3/3/2015	3/17/2015	DCPP	Influent Ni	ND(5)	0	0			
20											
21		1/15/2015	1/22/2015	DCPP	Influent Zn	ND(5)	0	0	2	DNQ(5)	
22		2/2/2015	2/12/2015	DCPP	Influent Zn	ND(5)	0	0			
23		3/3/2015	3/17/2015	DCPP	Influent Zn	DNQ(6)	6	6			
24											
25		**Quarterly Oil and Grease Averages**									
26		5.0 mg/L is DCPP lab Reporting Limit. 1.4 mg/L is DCPP lab MDL.									
27											
28		Sample Date	Analysis Date	Location	Unit	Parameter	Results	Result for Average	Daily Average	Numerical Quarterly Average	Reporting Average for Quarter
29											
30		1/2/2015	1/14/2015	001H	1	O&G	ND(1.4)	0.0	0.0	0.0	ND(1.4)
31		1/2/2015	1/14/2015	001H	2	O&G	ND(1.4)	0.0			
32											
33		1/8/2015	1/14/2015	001L	1	O&G	ND(1.4)	0.0	0.0	0.0	ND(1.4)
34		1/8/2015	1/14/2015	001L	2	O&G	ND(1.4)	0.0			
35											
36		1/8/2015	1/14/2015	002	1	O&G	ND(1.4)	0.0	0.0	0.0	ND(1.4)
37		1/8/2015	1/27/2015	002	2	O&G	ND(1.4)	0.0			
38											
39		**Quarterly Metals Composite Averages**									
40		10 µg/L is DCPP lab Reporting Limit. 5 µg/L is DCPP lab MDL.									
41											
42		First Aliquot Date	Last Aliquot Date	Location	Unit	Parameter	Results	Result for Average	Numerical Quarterly Average	Reporting Average for Quarter	
43		1/7/2015	3/9/2015	001H	1	Ag	ND(5)	0	0	ND(5)	
44		1/6/2015	3/9/2015	001H	2	Ag	ND(5)	0			
45											
46		1/7/2015	3/9/2015	001H	1	Cd	ND(5)	0	0	ND(5)	
47		1/6/2015	3/9/2015	001H	2	Cd	ND(5)	0			
48											
49		1/7/2015	3/9/2015	001H	1	Cr	16	16	14	14	
50		1/6/2015	3/9/2015	001H	2	Cr	12	12			
51											
52		1/7/2015	3/9/2015	001H	1	Cu	35	35	39	39	
53		1/6/2015	3/9/2015	001H	2	Cu	42	42			
54											
55		1/7/2015	3/9/2015	001H	1	Ni	21	21	18	18	
56		1/6/2015	3/9/2015	001H	2	Ni	15	15			
57											
58		1/7/2015	3/9/2015	001H	1	Pb	23	23	21	21	
59		1/6/2015	3/9/2015	001H	2	Pb	19	19			
60											
61		1/7/2015	3/9/2015	001H	1	Zn	6	6	8	DNQ(8)	
62		1/6/2015	3/9/2015	001H	2	Zn	9	9			
63											
64		1/7/2015	3/9/2015	001H	1	Hg	ND(0.050)	0.050	0.050	ND(0.050)	
65		1/6/2015	3/9/2015	001H	2	Hg	ND(0.050)	0.050			
66											
67											
68		1/8/2015	3/4/2015	001L	1	Ag	ND(5)	0	0	ND(5)	
69		1/8/2015	3/4/2015	001L	2	Ag	ND(5)	0			
70											
71		1/8/2015	3/4/2015	001L	1	Cd	ND(5)	0	0	ND(5)	
72		1/8/2015	3/4/2015	001L	2	Cd	ND(5)	0			
73											
74		1/8/2015	3/4/2015	001L	1	Cr	ND(5)	0	0	ND(5)	
75		1/8/2015	3/4/2015	001L	2	Cr	ND(5)	0			
76											
77		1/8/2015	3/4/2015	001L	1	Cu	ND(5)	0	0	ND(5)	
78		1/8/2015	3/4/2015	001L	2	Cu	ND(5)	0			
79											
80		1/8/2015	3/4/2015	001L	1	Ni	ND(5)	0	0	ND(5)	
81		1/8/2015	3/4/2015	001L	2	Ni	ND(5)	0			
82											
83		1/8/2015	3/4/2015	001L	1	Pb	ND(5)	0	0	ND(5)	
84		1/8/2015	3/4/2015	001L	2	Pb	ND(5)	0			
85											
86		1/8/2015	3/4/2015	001L	1	Zn	ND(5)	0	0	ND(5)	
87		1/8/2015	3/4/2015	001L	2	Zn	ND(5)	0			
88											
89		1/8/2015	3/4/2015	001L	1	Hg	ND(0.050)	0.050	0.050	ND(0.050)	
90		1/8/2015	3/4/2015	001L	2	Hg	ND(0.050)	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		1/1/2015	1/2/2015	1/3/2015	1/4/2015	1/5/2015	1/6/2015	1/7/2015	1/8/2015	1/9/2015	1/10/2015	1/11/2015	1/12/2015	1/13/2015	1/14/2015	1/15/2015
8	Unit 1 TRC (ppb)	46	46	35	35	27	17	<10	17	24	27	17	20	20	13	18
9		38	46	32	35	24	20	13	17	24	27	20	20	20	17	14
10		38	46	38	32	24	17	15	15	18	27	17	17	18	14	15
11		46	46	35	32	17	17	18	20	27	20	18	20	20	17	25
12		38	38	38	35	17	14	18	27	29	29	20	22	15	20	24
13		46	32	35	29	22	13	18	27	29	22	20	15	18	20	25
14	Unit 1 Cl2 Use (lbs)	331.2	326.4	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	331.2
15	Unit 2 TRC (ppb)	44	40	40	33	30	30	25	36	28	40	28	28	28	30	30
16		44	44	40	40	36	28	30	30	28	40	28	23	30	33	28
17		36	40	36	40	36	30	25	30	44	33	28	23	30	28	30
18		44	40	33	36	36	28	21	33	30	36	25	30	25	44	38
19		40	40	33	36	30	30	30	33	33	33	23	25	28	30	45
20		40	40	36	33	36	33	30	28	33	33	23	25	30	28	42
21	Unit 2 Cl2 Use (lbs)	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4
22																
23		46	46	38	35	27	20	18	27	29	29	20	22	20	20	25
24		44	44	40	40	36	33	30	36	44	40	28	30	30	44	45
25	Daily Maximum TRC (ppb)	**46**	**46**	**40**	**40**	**36**	**33**	**30**	**36**	**44**	**40**	**28**	**30**	**30**	**44**	**45**
26	Daily Cl2 Use (lbs)	**706**	**701**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**706**
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	**1/16/2015**	**1/17/2015**	**1/18/2015**	**1/19/2015**	**1/20/2015**	**1/21/2015**	**1/22/2015**	**1/23/2015**	**1/24/2015**	**1/25/2015**	**1/26/2015**	**1/27/2015**	**1/28/2015**	**1/29/2015**	**1/30/2015**	**1/31/2015**	
8	20	24	24	21	27	27	27	22	17	20	18	22	18	18	20	20	
9	24	22	27	25	32	27	24	20	13	18	18	18	14	22	22	20	
10	21	27	20	22	27	27	24	20	20	20	19	20	18	20	20	22	
11	27	27	26	24	27	29	27	20	24	18	18	18	18	22	22	24	
12	32	22	26	32	32	27	27	22	24	24	20	18	18	22	20	24	
13	24	22	25	22	27	24	24	20	20	15	17	17	14	20	24	20	
14	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	
15	40	40	36	35	48	48	30	36	25	36	33	44	28	30	33	40	
16	32	44	33	38	48	44	30	33	30	33	36	30	33	36	40	40	
17	35	44	44	40	40	44	36	30	36	30	33	33	36	28	36	36	
18	33	40	38	40	40	33	40	28	40	40	30	33	33	36	40	36	
19	36	36	42	40	40	36	40	33	<10	33	40	33	33	40	40	36	
20	33	40	32	40	44	28	36	36	30	33	44	33	36	33	36	36	
21	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	343.2	374.4	374.4	374.4	374.4	374.4	374.4	374.4	
22																	
23	32	27	27	32	32	29	27	22	24	24	20	22	18	22	24	24	
24	40	44	44	40	48	48	40	36	40	40	44	44	36	40	40	40	
25	**40**	**44**	**44**	**40**	**48**	**48**	**40**	**36**	**40**	**40**	**44**	**44**	**36**	**40**	**40**	**40**	
26	**720**	**720**	**720**	**720**	**720**	**720**	**720**	**720**	**689**	**720**	**720**	**720**	**720**	**720**	**720**	**720**	
27														**Chlorine**	**(ppb)**	**(lbs/day)**	
28														**Monthly Average**	**40**	**706**	
29								**MONTHLY CHLORINE USE:**		**21,895**	**lbs.**			**Maximum**	**48**	**720**	
30														**Minimum**	**28**	**689**	
31														**Verify that values have correct references.**			
32												3/4/15 I2c5; Verified all row calcs to end at col AF for 31-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		2/1/2015	2/2/2015	2/3/2015	2/4/2015	2/5/2015	2/6/2015	2/7/2015	2/8/2015	2/9/2015	2/10/2015	2/11/2015	2/12/2015	2/13/2015	2/14/2015	2/15/2015
8	Unit 1 TRC (ppb)	20	17	22	18	20	20	20	18	15	27	22	24	22	27	24
9		20	15	20	18	20	20	20	22	14	27	27	22	24	32	22
10		20	14	22	18	22	20	22	20	18	27	18	22	24	27	24
11		18	22	17	18	24	22	24	15	24	24	27	29	22	27	27
12		14	18	20	20	22	18	18	17	24	27	24	24	27	27	27
13		17	24	18	20	22	17	18	17	22	27	24	24	24	27	27
14	Unit 1 Cl2 Use (lbs)	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	360.0	374.4	374.4	374.4	374.4	374.4	374.4
15	Unit 2 TRC (ppb)	36	28	33	25	21	23	21	25	17	33	36	40	44	44	36
16		36	30	30	21	23	28	25	23	17	36	36	33	40	44	36
17		36	30	30	21	25	19	30	21	16	28	33	36	44	44	36
18		28	33	23	21	25	25	23	23	28	33	33	40	36	48	40
19		33	36	28	23	23	21	23	21	25	28	40	40	44	44	36
20		33	33	23	21	23	25	25	17	30	25	40	44	48	40	44
21	Unit 2 Cl2 Use (lbs)	374.4	360	345.6	345.6	345.6	345.6	345.6	345.6	360	374.4	374.4	374.4	374.4	374.4	374.4
22																
23		20	24	22	20	24	22	24	22	24	27	27	29	27	32	27
24		36	36	33	25	25	28	30	25	30	36	40	44	48	48	44
25	Daily Maximum TRC (ppb)	**36**	**36**	**33**	**25**	**25**	**28**	**30**	**25**	**30**	**36**	**40**	**44**	**48**	**48**	**44**
26	Daily Cl2 Use (lbs)	**720**	**706**	**691**	**691**	**691**	**691**	**691**	**691**	**720**	**749**	**749**	**749**	**749**	**749**	**749**
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	**2/16/2015**	**2/17/2015**	**2/18/2015**	**2/19/2015**	**2/20/2015**	**2/21/2015**	**2/22/2015**	**2/23/2015**	**2/24/2015**	**2/25/2015**	**2/26/2015**	**2/27/2015**	**2/28/2015**				
8	27	29	20	24	22	18	15	15	<10	<10	18	18	20				
9	27	29	24	22	22	17	14	13	<10	<10	17	20	24				
10	24	29	22	22	18	20	13	13	<10	<10	18	20	22				
11	29	18	24	No Injection	17	14	12	11	<10	17	17	22	22				
12	27	27	35	18	18	17	13	12	<10	17	20	18	20				
13	27	24	22	18	17	14	13	12	<10	17	22	20	20				
14	374.4	360.0	345.6	278.4	316.8	316.8	316.8	302.4	288.0	288.0	288.0	288.0	288.0				
15	40	40	40	33	44	23	28	25	25	28	33	33	30				
16	36	36	40	33	36	28	23	25	30	25	30	33	30				
17	36	33	40	30	36	19	<10	25	22	28	33	33	33				
18	40	33	40	No Injection	30	21	16	30	25	28	30	30	36				
19	40	40	33	58	30	25	23	30	23	28	30	33	30				
20	40	44	33	40	25	28	25	28	25	30	36	30	30				
21	374.4	374.4	360	288	331.2	316.8	290.4	316.8	316.8	316.8	316.8	316.8	316.8				
22																	
23	29	29	35	24	22	20	15	15	0	17	22	22	24	0	0	0	
24	40	44	40	58	44	28	28	30	30	30	36	33	36	0	0	0	
25	**40**	**44**	**40**	**58**	**44**	**28**	**28**	**30**	**30**	**30**	**36**	**33**	**36**	**0**	**0**	**0**	
26	**749**	**734**	**706**	**566**	**648**	**634**	**607**	**619**	**605**	**605**	**605**	**605**	**605**	**0**	**0**	**0**	
27														**Chlorine**	**(ppb)**	**(lbs/day)**	
28														**Monthly Average**	**36**	**681**	
29							**MONTHLY CHLORINE USE:**			**19,073**	**lbs.**			**Maximum**	**58**	**749**	
30														**Minimum**	**25**	**566**	
31														**Verify that values have correct references.**			
32												3/4/15 l2c5; Verified all row calcs to end at col AC for 28-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		3/1/2015	3/2/2015	3/3/2015	3/4/2015	3/5/2015	3/6/2015	3/7/2015	3/8/2015	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/14/2015	3/15/2015
8	Unit 1 TRC (ppb)	20	15	17	24	24	24	20	18	18	15	12	18	23	19	16
9		18	15	15	20	22	20	24	18	20	13	11	18	25	18	15
10		18	<10	13	18	18	20	24	20	18	14	11	19	23	21	13
11		17	17	17	20	18	20	20	18	20	11	12	18	23	28	21
12		18	17	17	27	22	20	18	14	14	11	15	21	21	19	19
13		18	18	20	20	22	24	17	20	15	11	18	19	21	18	15
14	Unit 1 Cl2 Use (lbs)	288.0	302.4	331.2	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6
15	Unit 2 TRC (ppb)	28	23	30	33	40	33	28	25	25	23	16	23	33	28	30
16		25	23	28	33	33	28	30	30	28	19	16	28	33	28	25
17		28	21	28	33	33	23	28	28	23	19	14	25	36	25	30
18		25	33	30	36	28	28	25	23	30	16	17	33	36	25	28
19		25	30	36	44	33	30	30	21	21	12	21	28	30	25	25
20		23	28	33	40	30	30	28	23	20	13	28	33	36	28	28
21	Unit 2 Cl2 Use (lbs)	316.8	331.2	360.0	374.4	360.0	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6
22																
23		20	18	20	27	24	24	24	20	20	15	18	21	25	28	21
24		28	33	36	44	40	33	30	30	30	23	28	33	36	28	30
25	Daily Maximum TRC (ppb)	**28**	**33**	**36**	**44**	**40**	**33**	**30**	**30**	**30**	**23**	**28**	**33**	**36**	**28**	**30**
26	Daily Cl2 Use (lbs)	**605**	**634**	**691**	**720**	**706**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**
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	3/16/2015	3/17/2015	3/18/2015	3/19/2015	3/20/2015	3/21/2015	3/22/2015	3/23/2015	3/24/2015	3/25/2015	3/26/2015	3/27/2015	3/28/2015	3/29/2015	3/30/2015	3/31/2015	
8	21	18	19	23	23	<10	15	13	18	21	19	11	13	15	15	15	
9	21	16	21	23	16	<10	15	13	19	23	19	10	13	<10	12	21	
10	19	15	23	23	<10	<10	15	15	21	21	12	12	13	<10	12	18	
11	19	19	23	16	<10	<10	<10	16	21	23	12	13	12	<10	16	16	
12	19	21	25	19	<10	<10	<10	19	16	19	<10	<10	16	<10	16	19	
13	19	21	25	16	11	12	<10	19	23	19	<10	13	15	10	16	15	
14	331.2	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	307.2	288.0	288	288.0	264.0	288.0	288.0	
15	28	28	33	40	36	25	25	28	30	33	28	19	25	23	21	25	
16	25	30	36	36	33	25	28	30	30	36	28	23	28	17	19	30	
17	21	36	33	33	19	23	33	30	33	36	20	21	22	<10	21	28	
18	33	53	33	36	25	19	28	25	36	33	23	25	25	<10	25	30	
19	25	53	33	36	28	21	23	28	36	30	19	23	22	19	23	30	
20	30	48	40	40	25	28	25	33	40	25	19	30	19	19	25	25	
21	345.6	345.6	345.6	345.6	345.6	345.6	345.6	331.2	316.8	302.4	288.0	288.0	288.0	240.0	288.0	288	
22																	
23	21	21	25	23	23	12	15	19	23	23	19	13	16	15	16	21	
24	33	53	40	40	36	28	33	33	40	36	28	30	28	23	25	30	
25	**33**	**53**	**40**	**40**	**36**	**28**	**33**	**33**	**40**	**36**	**28**	**30**	**28**	**23**	**25**	**30**	
26	**677**	**662**	**662**	**662**	**662**	**662**	**662**	**648**	**634**	**610**	**576**	**576**	**576**	**504**	**576**	**576**	
27														Chlorine	(ppb)	(lbs/day)	
28														Monthly Average	**33**	**651**	
29							MONTHLY CHLORINE USE:			20,194	lbs.			Maximum	**53**	**720**	
30														Minimum	**23**	**504**	
31														Verify that values have correct references.			
32												3/4/15 I2c5; Verified all row calcs to end at col AF for 31-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**													
5		**2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.**													
6		**Results are reported to the Water Board to whole numbers only (no tenths).**													
8		**System**	**Batch**	**Tank**	**Volume**	**Discharge Date**	**Status**	**Filter 1**	**Filter 2**	**Net TSS**	**TSS for avg.**	**Unused Volumes**	**Weight**	**Weighted TSS**	
9		LRW	1	PWR 0-1		1/6/2015 12:31	O					9637			
10		LRW	2	PWR 0-2	9924	1/13/2015 12:02	O	1.5	#N/A	ND(2)	0		0.91	0.00	
11		LRW	3	CDT 0-2	502	1/20/2015 15:31	O	15.0	#N/A	15	15		0.05	0.69	
12		LRW		CDT 0-2 dup				15.5	#N/A	15.5					
13		LRW	4	CDT 0-1	451	1/28/2015 11:57	O	45.4	7.7	37.7	39		0.04	1.61	
14		LRW		CDT 0-1 dup				45.4	5.4	40					
15		LRW	5	PWR 0-2		1/29/2015 11:34	O					10212			
16		LRW													
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:	10,877						total sum of volume weights:	1.00	**Monthly LRW TSS Average**		
41													2.30		
42													Report < 5 to Reflect CDT 0-1 and 0-2 > RL		
43															
44															
45		**001D**	**O&G Data**												
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**	**O&G for avg.**	**Weight**	**Weighted O&G**				
51		LRW	2	PWR 0-2	9924	1/13/2015 12:02	O	ND(1.4)	0.0	0.91	0.00				
52		LRW	3	CDT 0-2	502	1/20/2015 15:31	O	DNQ(3.2)	3.2	0.05	0.15				
53		LRW	4	CDT 0-1	451	1/28/2015 11:57	O	DNQ(1.5)	1.5	0.04	0.06				
54		LRW													
55		LRW													
56		LRW													
57		LRW													
58		LRW													
59		LRW													
60															
61				total volume of sampled tanks:	10,877			total sum of volume weights:	1.00	**Monthly O&G Average**					
62										0.2					
63								Report DNQ(1.4) to Reflect CDT 0-2 and CDT 0-1 > MDL and < RL (DNQ)							
64															
65															

LRW TSS Data

2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.

Results are reported to the Water Board to whole numbers only (no tenths).

System	Batch	Tank	Volume	Discharge Date	Status	Filter 1	Filter 2	Net TSS	TSS for avg.	Unused Volumes	Weight	Weighted TSS
LRW	6	CDT 0-2	139.7	2/10/2015 9:32	O	80.0	0.0	80.0	80		0.02	1.21
LRW		CDT 0-2 dup				80.0	0.0	80.0				
LRW	7	PWR 0-1	9,061	2/25/2015 10:24	O	0.0	#N/A	ND(2)	0		0.98	0.00

total volume of sampled tanks: 9,201

total sum of volume weights: 1.00

Monthly LRW TSS Average

1.21

Report < 5 to Reflect CDT 0-2 > RL

001D O&G Data

1.4 mg/L is MDL. 5.0 mg/L is Reporting Limit.

Results are reported to the Water Board to the nearest tenth mg/L.

System	Batch	Tank	Volume	Discharge Date	Status	Result	O&G for avg.	Weight	Weighted O&G
LRW	6	CDT 0-2	139.7	2/10/2015 9:32	O	1.5	1.5	1.00	1.50

total volume of sampled tanks: 140

total sum of volume weights: 1.00

Monthly O&G Average

1.5

Report DNQ(1.5) to Reflect CDT 0-2 > MDL and < RL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2															
3		**LRW TSS Data**													
5		**2.0 mg/L is MDL. 5.0 mg/L is Reporting Limit.**													
6		**Results are reported to the Water Board to whole numbers only (no tenths).**													
8		**System**	**Batch**	**Tank**	**Volume**	**Discharge Date**	**Status**	**Filter 1**	**Filter 2**	**Net TSS**	**TSS for avg.**	**Unused Volumes**	**Weight**	**Weighted TSS**	
9		LRW	8	PWR-01	7,191	3/5/2015 12:23	O	1.2	#N/A	ND(2)	0		0.415	0.00	
10		LRW	9	CDT-01	384	3/11/2015 10:13		20.4	0.4	20	18		0.022	0.40	
11		LRW		CDT-01 dup			O	16.0	0.0	16					
12		LRW	10	DRR 0-2	9,764	3/12/2015 11:35	O	0.7	#N/A	ND(2)	0		0.563	0.00	
13		LRW	11	DRR 0-1		3/18/2015 10:42						9,994			
14		LRW	12	PWR 0-1		3/19/2015 11:53	O					10,499			
15		LRW													
16		LRW													
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:		17,339						total sum of volume weights:	1.00	**Monthly LRW TSS Average**		
41													0.40		
42													Report < 5 Because CDT 0-1 > RL		
43															
44															
45		**001D**	**O&G Data**												
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**	**O&G for avg.**	**Weight**	**Weighted O&G**				
51		LRW	9	CDT-01	384	3/11/2015 10:13	O	ND(1.4)	0.0	0.04	0.00				
52		LRW	10	DRR 0-2	9,764	3/12/2015 11:35	O	ND(1.4)	0.0	0.96	0.00				
53		LRW													
54		LRW													
55		LRW													
56		LRW													
57		LRW													
58		LRW													
59		LRW													
60															
61			total volume of sampled tanks:		10,148		total sum of volume weights:		1.00	**Monthly O&G Average**					
62										0.0					
63											Report ND(1.4)				
64															
65															

	A	B	C	D	E	F	G	H
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								
14		**Date**	**Result**	**Numerical Daily Average**	**Average Qualifier**	**Results for Monthly Average**	**Report Monthly Average**	
15		1/2/2015	ND(0.72)	0.0	ND	0.0	0.2	
16			ND(0.72)				Report DNQ(0.72)	
17			ND(0.72)					
18		1/8/2015	ND(0.72)	0.3	DNQ	0.3	**Daily Maximum**	
19			ND(0.72)				0.8	
20			DNQ(0.98)					
21		1/16/2015	ND(0.72)	0.8	DNQ	0.8		
22			DNQ(0.90)					
23			DNQ(1.4)					
24		1/20/2015	ND(0.72)	0.0	ND	0.0		
25			ND(0.72)					
26			ND(0.72)					
27		1/27/2015	ND(0.72)	0.0	ND	0.0		
28			ND(0.72)					
29			ND(0.72)					
30								
31								
32		**Total Suspended Solids (mg/L)**						
34		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
35		1/2/2015	9	9	18			
36		1/8/2015	40	40				
37		1/16/2015	24	24	**Daily Maximum**			
38		1/20/2015	DNQ(2.6)	0	40			
39		1/27/2015	15	15				
40								
41								
42		**Settleable Solids (ml/L)**						
44		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
45		1/2/2015	DNQ(0.1)	0.1	DNQ(0.1)			
46		1/8/2015	DNQ(0.1)	0.1				
47		1/16/2015	DNQ(0.1)	0.1	**Daily Maximum**			
48		1/20/2015	DNQ(0.1)	0.1	0.1			
49		1/27/2015	DNQ(0.1)	0.1				
50								
51								
52								

	A	B	C	D	E	F	G	H
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.**				**(NOTE: For week of 2/3/15, O&G MDL is 0.72 mg/L,**		
8		**5.0 mg/L is O&G Method 1664 Reporting Limit.**				**following that, it has been reduced to 0.24 mg/L.)**		
9		**Results are reported to the Water Board to the nearest tenth mg/L.**						
10								
11		**Oil and Grease (mg/L)**						
12								
14		**Date**	**Result**	**Numerical Daily Average**	**Average Qualifier**	**Results for Monthly Average**	**Report Monthly Average**	
15		2/3/2015	ND(0.72)	0.0	ND	0.0	0.65	
16			ND(0.72)				Report DNQ(0.72)	
17			ND(0.72)					
18		2/10/2015	DNQ(2.3)	1.4	DNQ	1.4	**Daily Maximum**	
19			DNQ(1.1)				1.4	
20			DNQ(0.80)					
21		2/19/2015	DNQ(0.79)	1.1	DNQ	1.1		
22			DNQ(0.39)					
23			DNQ(2.1)					
24		2/24/2015	DNQ(0.30)	0.1	DNQ	0.1		
25			ND(0.24)					
26			ND(0.24)					
27								
28								
29								
30								
31								
32		**Total Suspended Solids (mg/L)**						
34		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
35		2/3/2015	16	16	17			
36		2/10/2015	11	11				
37		2/19/2015	17	17	**Daily Maximum**			
38		2/24/2015	22	22	22			
39								
40								
41								
42		**Settleable Solids (ml/L)**						
44		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
45		2/3/2015	DNQ(0.1)	0.1	DNQ(0.1)			
46		2/10/2015	DNQ(0.1)	0.1				
47		2/19/2015	DNQ(0.1)	0.1	**Daily Maximum**			
48		2/24/2015	DNQ(0.1)	0.1	0.1			
49								
50								
51								
52								

	A	B	C	D	E	F	G	H
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		**0.24 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								
14		**Date**	**Result**	**Numerical Daily Average**	**Average Qualifier**	**Results for Monthly Average**	**Report Monthly Average**	
15		3/3/2015	DNQ(0.88)	0.92	DNQ	0.92	0.52	
16			DNQ(0.69)				Report DNQ(0.52)	
17			DNQ(1.2)					
18		3/12/2015	DNQ(0.49)	0.42	DNQ	0.42	**Daily Maximum**	
19			DNQ(0.39)				0.92	
20			DNQ(0.39)					
21		3/17/2015	ND(0.24)	0.16	DNQ	0.24		
22			DNQ(0.49)					
23			ND(0.24)					
24		3/23/2015	ND(0.24)	0.50	DNQ	0.50		
25			DNQ(0.29)					
26			DNQ(1.2)					
27								
28								
29								
30								
31								
32		**Total Suspended Solids (mg/L)**						
34		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
35		3/3/2015	27	27	11			
36		3/12/2015	10	10				
37		3/17/2015	ND(2.57)	0	**Daily Maximum**			
38		3/23/2015	6	6	27			
39								
40								
41								
42		**Settleable Solids (ml/L)**						
44		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
45		3/3/2015	DNQ(0.1)	0.1	DNQ(0.1)			
46		3/12/2015	DNQ(0.1)	0.1				
47		3/17/2015	DNQ(0.1)	0.1	**Daily Maximum**			
48		3/23/2015	DNQ(0.1)	0.1	0.1			
49								
50								
51								
52								

Miscellaneous Daily Duplicate/Average and Monthly Average Calculations for eSMR

Duplicate pH Averages

Date	Time	Analysis Date	Location	Unit	Parameter	Result	Average
1/12/2015	12:30	1/12/2015	001P	N/A	pH	7.74	7.7
1/12/2015	12:30	1/12/2015	001P	N/A	pH	7.75	
1/8/2015	9:51	1/8/2015	002	1	pH	8.07	8.1
1/8/2015	9:56	1/8/2015	002	2	pH	8.03	

Monthly TSS Averages

2 mg/L is MDL. 5 mg/L is Reporting Limit.

Results are reported to the Water Board to whole numbers only (no tenths).

Date	Time	Analysis Date	Location	Unit	Sample TSS	Filtrate TSS	Net TSS	TSS for Average	Daily Average	Numerical Monthly Average	Reported Monthly Average
1/8/2015	12:55	1/9/2015	001F	N/A	1.1	0.1	1.0	1.0	1.0	1.0	ND(2)
1/8/2015	12:55	1/9/2015	001F	N/A	1.2	0.1	1.1	1.1			
1/2/2015	5:05	1/2/2015	001H	1	0.2	0.0	0.2	0.0	0.0	0.0	ND(2)
1/2/2015	2:30	1/2/2015	001H	2	0.0	0.0	0.0	0.0			
1/8/2015	13:48	1/9/2015	001L	1	0.0	#NA	0.0	0.0	0.0	0.0	ND(2)
1/8/2015	13:45	1/9/2015	001L	2	0.0	#NA	0.0	0.0			
1/12/2015	10:25	1/13/2015	001P	N/A	104.8	0.4	104.4	104.4	34.8	17.4	17
1/12/2015	12:30	1/12/2015	001P	N/A	3.7	0.8	2.9	0.0			
1/12/2015	14:30	1/12/2015	001P	N/A	6.0	1.2	4.8	0.0			
1/15/2015	9:30	1/15/2015	001P	N/A	4.2	1.3	2.9	0.0	0		
1/8/2015	9:51	1/9/2015	002	1	1.9	0.5	1.4	0.0	1.4	1.4	DNQ(2)
1/8/2015	9:56	1/9/2015	002	2	3.0	0.3	2.7	2.7			
1/8/2015	9:13	1/9/2015	003	N/A	3.6	0.3	3.3	3.3	3.0	3.0	DNQ(3)
1/8/2015	9:13	1/9/2015	003	N/A	3.0	0.4	2.6	2.6			

Miscellaneous Daily Duplicate/Average and Monthly Average Calculations for eSMR

Duplicate pH Averages

Date	Time	Analysis Date	Location	Unit	Parameter	Result	Average
2/5/2015	7:30	2/5/2015	001P	N/A	pH	7.67	7.7
2/5/2015	7:30	2/5/2015	001P	N/A	pH	7.67	
2/2/2015	14:40	2/2/2015	002	1	pH	7.99	8.0
2/2/2015	14:46	2/2/2015	002	2	pH	8.05	

Monthly TSS Averages

2 mg/L is MDL. 5 mg/L is Reporting Limit.

Results are reported to the Water Board to whole numbers only (no tenths).

Date	Time	Analysis Date	Location	Unit	Sample TSS	Filtrate TSS	Net TSS	TSS for Average	Daily Average	Numerical Monthly Average	Reported Monthly Average
2/2/2015	12:37	2/3/2015	001F	N/A	2.3	0.1	2.2	2.2	1.8	1.8	DNQ(2)
2/2/2015	12:37	2/3/2015	001F	N/A	1.5	0.0	1.5	1.5			
2/1/2015	8:12	2/1/2015	001H	1	0.0	0.0	0.0	0.0	0.0	0.0	ND(2)
2/2/2015	2:05	2/2/154	001H	2	0.0	0.0	0.0	0.0			
2/9/2015	12:48	2/9/2015	001L	1	0.0	#N/A	0.0	0.0	0.0	0.0	ND(2)
2/9/2015	12:53	2/9/2015	001L	2	0.0	#N/A	0.0	0.0			
2/5/2015	7:30	2/5/2015	001P	N/A	1.9	1.7	0.2	0.0	1.4	1.4	DNQ(2)
2/5/2015	10:01	2/5/2015	001P	N/A	1.2	1.1	0.1	0.0			
2/5/2015	13:14	2/5/2015	001P	N/A	5.8	1.5	4.3	4.3			
2/2/2015	14:40	2/3/2015	002	1	1.3	0.4	0.9	0.0	1.6	1.6	DNQ(2)
2/2/2015	14:46	2/3/2015	002	2	3.6	0.5	3.1	3.1			
2/2/2015	15:15	2/3/2015	003	N/A	2.7	0.5	2.2	2.2	2.9	2.9	DNQ(3)
2/2/2015	15:15	2/3/2015	003	N/A	3.8	0.3	3.5	3.5			

Miscellaneous Daily Duplicate/Average and Monthly Average Calculations for eSMR

Duplicate pH Averages

Date	Time	Analysis Date	Location	Unit	Parameter	Result	Average
3/12/2015	7:05	3/12/2015	001P	N/A	pH	7.71	7.7
3/12/2015	7:05	3/12/2015	001P	N/A	pH	7.74	
3/3/2015	13:53	3/3/2015	002	1	pH	7.94	8.0
3/3/2015	13:58	3/3/2015	002	2	pH	7.96	

Monthly TSS Averages

2 mg/L is MDL. 5 mg/L is Reporting Limit.

Results are reported to the Water Board to whole numbers only (no tenths).

Date	Time	Analysis Date	Location	Unit	Sample TSS	Filtrate TSS	Net TSS	TSS for Average	Daily Average	Numerical Monthly Average	Reported Monthly Average
3/3/2015	10:35	3/4/2015	001F	N/A	2.4	0.0	2.4	2.4	1.2	1.2	DNQ(2)
3/3/2015	10:35	3/4/2015	001F	N/A	1.9	0.1	1.8	0.0			
3/1/2015	15:45	3/1/2015	001H	1	6.2	0.5	5.7	5.7	2.9	2.9	DNQ(3)
3/1/2015	2:15	3/1/2015	001H	2	0.0	0.0	0.0	0.0			
3/10/2015	14:58	3/11/2015	001L	1	0.3	#N/A	0.3	0.3	0.2	0.2	ND(2)
3/10/2015	15:03	3/11/2015	001L	2	0.0	#N/A	0.0	0.0			
3/12/2015	7:05	3/12/2015	001P	N/A	6.3	1.1	5.2	5.2	1.7	1.7	<5
3/12/2015	8:55	3/12/2015	001P	N/A	2.1	0.8	1.3	0.0			
3/12/2015	11:05	3/12/2015	001P	N/A	3.1	0.7	2.4	0.0			
3/3/2015	13:53	3/5/2015	002	1	2.0	0.7	1.3	0.0	7.9	7.9	8
3/3/2015	13:58	3/5/2015	002	2	16.1	0.4	15.7	15.7			
3/3/2015	14:07	3/4/2015	003	N/A	1.6	0.4	1.2	1.2	1.4	1.4	ND(2)
3/3/2015	14:07	3/4/2015	003	N/A	2	0.5	1.5	1.5			

Diablo Canyon Power Plant
2015 First Quarter Contract Lab Results

PDF Page	Description
2 – 4	001N Oil & Grease – 01/02/2015
5 – 7	001N Oil & Grease – 01/08/2015
8 – 10	001N Oil & Grease – 01/16/2015
11 – 13	001N Oil & Grease – 01/20/2015
14 – 16	001N Oil & Grease – 01/27/2015
17 – 19	001N Oil & Grease – 02/03/2015
20 – 22	001N Oil & Grease – 02/10/2015
23 – 25	001N Oil & Grease – 02/19/2015
26 – 28	001N Oil & Grease – 02/24/2015
29 – 31	001N Oil & Grease – 03/03/2015
32 – 34	001N Oil & Grease – 03/12/2015
35 – 37	001N Oil & Grease – 03/17/2015
38 – 40	001N Oil & Grease – 03/23/2015
41	001N Suspended Solids, Settleable Solids – 01/02/2015
42	001N Suspended Solids, Settleable Solids – 01/08/2015
43	001N Suspended Solids, Settleable Solids – 01/16/2015
44	001N Suspended Solids, Settleable Solids – 01/20/2015
45	001N Suspended Solids, Settleable Solids – 01/27/2015
46	001N Suspended Solids, Settleable Solids – 02/03/2015
47	001N Suspended Solids, Settleable Solids – 02/10/2015
48	001N Suspended Solids, Settleable Solids – 02/19/2015
49	001N Suspended Solids, Settleable Solids – 02/24/2015
50	001N Suspended Solids, Settleable Solids – 03/03/2015
51	001N Suspended Solids, Settleable Solids – 03/12/2015
52	001N Suspended Solids, Settleable Solids – 03/17/2015
53	001N Suspended Solids, Settleable Solids – 03/23/2015
54	001D Mercury, Metals – 01/06/2015 to 03/11/2015 Composite
55	001F Mercury – 01/01/2015 to 01/08/2015 Composite 001H, Unit 1 Mercury – 01/07/2015 to 03/09/2015 Composite 001H, Unit 2 Mercury – 01/06/2015 to 03/09/2015 Composite 001L, Unit 1 Mercury – 01/08/2015 to 03/04/2015 Composite 001L, Unit 2 Mercury – 01/08/2015 to 03/04/2015 Composite
56 – 57	Intake, Discharge 001 Ammonia as Nitrogen – 02/02/2015
58 – 63	Discharge 001 Acute Toxicity Test – 02/25/2015
64 – 78	Discharge 001 Chronic Toxicity Test – 03/02/2015

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Report Issue Date: 01/16/2015 11:03
Received Date: 01/06/2015
Received Time: 12:25

Lab Sample ID: A5A0193-01
Sample Date: 01/02/2015 10:18
Sample Type: Grab

Client Project: 15-0018 DCWWTP
Sampled by: Client
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		A500384	01/13/15	01/15/15	

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Report Issue Date: 01/16/2015 11:03
Received Date: 01/06/2015
Received Time: 12:25

Lab Sample ID: A5A0193-02
Sample Date: 01/02/2015 10:30
Sample Type: Grab

Client Project: 15-0018 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		A500384	01/13/15	01/15/15	

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Report Issue Date: 01/16/2015 11:03
Received Date: 01/06/2015
Received Time: 12:25

Lab Sample ID: A5A0193-03
Sample Date: 01/02/2015 10:42
Sample Type: Grab

Client Project: 15-0018 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		A500384	01/13/15	01/15/15	

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Report Issue Date: 01/21/2015 13:23
Received Date: 01/09/2015
Received Time: 12:51

Lab Sample ID: A5A0655-01
Sample Date: 01/08/2015 10:14
Sample Type: Grab

Client Project: 15-0169 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		A500684	01/20/15	01/21/15	

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Report Issue Date: 01/21/2015 13:23
Received Date: 01/09/2015
Received Time: 12:51

Lab Sample ID: A5A0655-02
Sample Date: 01/08/2015 10:29
Sample Type: Grab

Client Project: 15-0169 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		A500684	01/20/15	01/21/15	

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Report Issue Date: 01/21/2015 13:23
Received Date: 01/09/2015
Received Time: 12:51

Lab Sample ID: A5A0655-03
Sample Date: 01/08/2015 10:41
Sample Type: Grab

Client Project: 15-0169 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	**0.98**	0.72	5.0	mg/L	1		A500684	01/20/15	01/21/15	J

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Report Issue Date: 01/28/2015 9:46
Received Date: 01/20/2015
Received Time: 08:00

Lab Sample ID: A5A1340-01
Sample Date: 01/16/2015 11:05
Sample Type: Grab

Client Project: 15-0345 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		A500918	01/26/15	01/27/15	

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Report Issue Date: 01/28/2015 9:46
Received Date: 01/20/2015
Received Time: 08:00

Lab Sample ID: A5A1340-02
Sample Date: 01/16/2015 11:14
Sample Type: Grab

Client Project: 15-0345 DCWWTP
Sampled by: Client
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	**0.90**	0.72	5.0	mg/L	1		A500918	01/26/15	01/27/15	J

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Report Issue Date: 01/28/2015 9:46
Received Date: 01/20/2015
Received Time: 08:00

Lab Sample ID: A5A1340-03
Sample Date: 01/16/2015 11:26
Sample Type: Grab

Client Project: 15-0345 DCWWTP
Sampled by: Client
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	**1.4**	0.72	5.0	mg/L	1		A500918	01/26/15	01/27/15	J

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Report Issue Date: 01/29/2015 12:38
Received Date: 01/21/2015
Received Time: 07:45

Lab Sample ID: A5A1452-01
Sample Date: 01/20/2015 11:24
Sample Type: Grab

Client Project: 15-0380 DCWWTP
Sampled by: Client
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		A501026	01/28/15	01/29/15	

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

Report Issue Date: 01/29/2015 12:38
Received Date: 01/21/2015
Received Time: 07:45

Lab Sample ID: A5A1452-02
Sample Date: 01/20/2015 11:39
Sample Type: Grab

Client Project: 15-0380 DCWWTP
Sampled by: Client
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		A501026	01/28/15	01/29/15	

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San Luis Obispo, CA 93401

Report Issue Date: 01/29/2015 12:38
Received Date: 01/21/2015
Received Time: 07:45

Lab Sample ID: A5A1452-03
Sample Date: 01/20/2015 11:51
Sample Type: Grab

Client Project: 15-0380 DCWWTP
Sampled by: Client
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		A501026	01/28/15	01/29/15	

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San Luis Obispo, CA 93401

Report Issue Date: 02/04/2015 13:32
Received Date: 01/28/2015
Received Time: 08:00

Lab Sample ID: A5A2054-01
Sample Date: 01/27/2015 11:21
Sample Type: Grab

Client Project: 15-0521 DCWWTP
Sampled by: Client
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		A501224	02/03/15	02/04/15	

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San Luis Obispo, CA 93401

Report Issue Date: 02/04/2015 13:32
Received Date: 01/28/2015
Received Time: 08:00

Lab Sample ID: A5A2054-02
Sample Date: 01/27/2015 11:33
Sample Type: Grab

Client Project: 15-0521 DCWWTP
Sampled by: Client
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		A501224	02/03/15	02/04/15	

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141 Suburban, Suite C-1
San Luis Obispo, CA 93401

Report Issue Date: 02/04/2015 13:32
Received Date: 01/28/2015
Received Time: 08:00

Lab Sample ID: A5A2054-03
Sample Date: 01/27/2015 11:45
Sample Type: Grab

Client Project: 15-0521 DCWWTP
Sampled by: Client
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		A501224	02/03/15	02/04/15	

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141 Suburban, Suite C-1
San Luis Obispo, CA 93401

Report Issue Date: 02/10/2015 12:21
Received Date: 02/04/2015
Received Time: 08:30

Lab Sample ID: A5B0311-01
Sample Date: 02/03/2015 08:00
Sample Type: Grab

Client Project: 15-0648 DCWWTP
Sampled by: Client
Matrix: Waste 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		A501457	02/09/15	02/10/15	

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141 Suburban, Suite C-1
San Luis Obispo, CA 93401

Report Issue Date: 02/10/2015 12:21
Received Date: 02/04/2015
Received Time: 08:30

Lab Sample ID: A5B0311-02
Sample Date: 02/03/2015 08:12
Sample Type: Grab

Client Project: 15-0648 DCWWTP
Sampled by: Client
Matrix: Waste 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		A501457	02/09/15	02/10/15	

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141 Suburban, Suite C-1
San Luis Obispo, CA 93401

Report Issue Date: 02/10/2015 12:21
Received Date: 02/04/2015
Received Time: 08:30

Lab Sample ID: A5B0311-03
Sample Date: 02/03/2015 08:21
Sample Type: Grab

Client Project: 15-0648 DCWWTP
Sampled by: Client
Matrix: Waste 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		A501457	02/09/15	02/10/15	

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141 Suburban, Suite C-1
San Luis Obispo, CA 93401

Report Issue Date: 02/26/2015 9:57
Received Date: 02/11/2015
Received Time: 08:15

Lab Sample ID: A5B0906-01
Sample Date: 02/10/2015 12:02
Sample Type: Grab

Client Project: 15-0829 DCWWTP
Sampled by: Client
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	**2.3**	0.24	5.0	mg/L	1		A501989	02/21/15	02/22/15	J

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San Luis Obispo, CA 93401

Report Issue Date: 02/26/2015 9:57
Received Date: 02/11/2015
Received Time: 08:15

Lab Sample ID: A5B0906-02
Sample Date: 02/10/2015 12:17
Sample Type: Grab

Client Project: 15-0829 DCWWTP
Sampled by: Client
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	**1.1**	0.24	5.0	mg/L	1		A501989	02/21/15	02/22/15	J

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

Report Issue Date: 02/26/2015 9:57
Received Date: 02/11/2015
Received Time: 08:15

Lab Sample ID: A5B0906-03
Sample Date: 02/10/2015 12:32
Sample Type: Grab

Client Project: 15-0829 DCWWTP
Sampled by: Client
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	**0.80**	0.24	5.0	mg/L	1		A501989	02/21/15	02/22/15	J

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Certificate of Analysis

Sample ID: A5B1731-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/19/15 - 08:43
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.79**	0.24	5.0	mg/L	1	A502108	02/24/15	02/25/15	J

Certificate of Analysis

Sample ID: A5B1731-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/19/15 - 08:55
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult.	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.39**	0.24	5.0	mg/L	1	A502108	02/24/15	02/25/15	J

Certificate of Analysis

Sample ID: A5B1731-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/19/15 - 09:07
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**2.1**	0.24	5.0	mg/L	1	A502108	02/24/15	02/25/15	J

Certificate of Analysis

Sample ID: A5B2119-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/24/15 - 09:00
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.30**	0.24	5.0	mg/L	1	A502298	02/27/15	02/28/15	J

Certificate of Analysis

Sample ID: A5B2119-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/24/15 - 09:12
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	ND	0.24	5.0	mg/L	1	A502298	02/27/15	02/28/15	

Certificate of Analysis

Sample ID: A5B2119-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/24/15 - 09:24
Matrix: Water
Sample Type: Grab

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Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	ND	0.24	5.0	mg/L	1	A502298	02/27/15	02/28/15	

Certificate of Analysis

Sample ID: A5C0324-01
Sampled By: Client
Sample Description: -3 Decant Arm

Sample Date - Time: 03/03/15 - 08:58
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.88**	0.24	5.0	mg/L	1	A502774	03/11/15	03/12/15	J

Certificate of Analysis

Sample ID: A5C0324-02
Sampled By: Client
Sample Description: -4 Decant Arm

Sample Date - Time: 03/03/15 - 09:13
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.69**	0.24	5.0	mg/L	1	A502774	03/11/15	03/12/15	J

Certificate of Analysis

Sample ID: A5C0324-03
Sampled By: Client
Sample Description: -5 Decant Arm

Sample Date - Time: 03/03/15 - 09:28
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**1.2**	0.24	5.0	mg/L	1	A502774	03/11/15	03/12/15	J

Certificate of Analysis

Sample ID: A5C1238-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 03/12/15 - 10:14
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.49**	0.24	5.0	mg/L	1	A503012	03/17/15	03/18/15	J

Certificate of Analysis

Sample ID: A5C1238-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 03/12/15 - 10:26
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.39**	0.24	5.0	mg/L	1	A503012	03/17/15	03/18/15	J

Certificate of Analysis

Sample ID: A5C1238-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 03/12/15 - 10:38
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.39**	0.24	5.0	mg/L	1	A503012	03/17/15	03/18/15	J

Certificate of Analysis

Sample ID: A5C1492-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 03/17/15 - 08:26
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	ND	0.24	5.0	mg/L	1	A503457	03/28/15	03/29/15	

Certificate of Analysis

Sample ID: A5C1492-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 03/17/15 - 08:35
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.49**	0.24	5.0	mg/L	1	A503457	03/28/15	03/29/15	J

Certificate of Analysis

Sample ID: A5C1492-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 03/17/15 - 08:47
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	ND	0.24	5.0	mg/L	1	A503457	03/28/15	03/29/15	

Certificate of Analysis

Sample ID: A5C1868-01
Sampled By: Client
Sample Description: Decant Arm -3

Sample Date - Time: 03/23/15 - 12:20
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	ND	0.24	5.0	mg/L	1	A503506	03/30/15	03/31/15	

Certificate of Analysis

Sample ID: A5C1868-02
Sampled By: Client
Sample Description: Decant Arm -4

Sample Date - Time: 03/23/15 - 12:32
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**0.29**	0.24	5.0	mg/L	1	A503506	03/30/15	03/31/15	J

Certificate of Analysis

Sample ID: A5C1868-03
Sampled By: Client
Sample Description: Decant Arm -5

Sample Date - Time: 03/23/15 - 12:41
Matrix: Water
Sample Type: Grab

BSK Associates Fresno

Organics

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Oil and Grease (1664)										
Total Oil & Grease	EPA 1664A	**1.2**	0.24	5.0	mg/L	1	A503506	03/30/15	03/31/15	J

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

Order #: 15-0018
Date/Time Rec'd: 1/2/15 1348

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**	**1/2/15 1018**	Suspended Solids	SM 2540 D.	**9.**	2.57	3.	1	mg/L	**01/05/15**
-2	**Decant Arm**	**1/2/15 1030**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/02/15**
-6	**Decant Arm INF**	**1/2/15 0910**	Suspended Solids	SM 2540 D.	**209.**	2.57	3.	1	mg/L	**01/05/15**

SUB Oil & Grease

Report Completion date: **1/5/15** Reviewed: Amanda Smith

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)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters 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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	14-8251-1	**1/5/2015**	Suspended Solids	SM 2540D	32.	mg/L		
Duplicate	**14-8251-1**	**1/5/2015**	Suspended Solids Dup.	SM 2540D	27.	mg/L		**< 5% of Average**
					119% Rec			

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

Order #: 15-0169
Date/Time Rec'd: 1/8/15 1350

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**	**1/8/15 1014**	Suspended Solids	SM 2540 D.	**40.**	2.57	3.	1	mg/L	**01/09/15**
-2	**Decant Arm**	**1/8/15 1030**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/08/15**
-6	**Decant Arm Inf**	**1/8/15 0950**	Suspended Solids	SM 2540 D.	**788.**		3.	1	mL/L	**01/09/15**

SUB Oil & Grease

Report Completion date: **1/12/15**

Reviewed: Amanda Smith

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)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters 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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	15-0119-1	**1/9/2015**	Suspended Solids	SM 2540D	13.	mg/L		
Duplicate	**15-0119-1**	**1/9/2015**	Suspended Solids Dup.	SM 2540D	17.	mg/L		**< 5% of Average**
					Rec 103 %			

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

Order #: 15-0345
Date/Time Rec'd: 1/16/15 1537

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**	**1/16/15 1105**	Suspended Solids	SM 2540 D.	**24.**	2.57	3.	1	mg/L	**01/21/15**
-2	**Decant Arm**	**1/16/15 0725**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/16/15**
-6	**Decant Arm**	**1/16/15 1025**	Suspended Solids	SM 2540 D.	**504.**	2.57	3.	1	mg/L	**01/21/15**

SUB Oil & Grease

Report Completion date: **1/21/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	0316-2	**1/21/2015**	Suspended Solids	SM 2540D	16.	mg/L		
Duplicate	**0316-2**	**1/21/2015**	Suspended Solids Dup.	SM 2540D	17.	mg/L		**< 5% of Average**
					Rec 106%			

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

Order #: 15-0380
Date/Time Rec'd: 1/20/15 1238

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**	**1/20/15 1124**	Suspended Solids	SM 2540 D.	**2.6**	2.57	3.	1	mg/L	**01/21/15**
-2	**Decant Arm**	**1/20/15 0755**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/20/15**
-6	**Influent PRT**	**1/20/15 0752**	Suspended Solids	SM 2540 D.	**147.**	2.57	3.	1	mg/L	**01/21/15**

SUB Oil & Grease

Report Completion date: **1/21/15**

Reviewed: Amanda Smith

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)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters 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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	0316-2	**1/21/2015**	Suspended Solids	SM 2540D	16.	mg/L		
Duplicate	**0316-2**	**1/21/2015**	Suspended Solids Dup.	SM 2540D	17.	mg/L		**< 5% of Average**
					Rec 106%			

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

Order #: 15-0521
Date/Time Rec'd: 1/27/15 1439

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**	**1/27/15 1121**	Suspended Solids	SM 2540 D.	**15.**	2.57	3.	1	mg/L	**01/28/15**
-2	**Decant Arm**	**1/27/15 0755**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/27/15**
-6	**Influent PRT**	**1/27/15 0900**	Suspended Solids	SM 2540 D.	**418.**	2.57	3.	1	mg/L	**01/28/15**

SUB Oil & Grease

Report Completion date: **1/28/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	15-0519-1	**1/28/2015**	Suspended Solids	SM 2540D	31.	mg/L		
Duplicate	**15-0519-1**	**1/28/2015**	Suspended Solids Dup.	SM 2540D	31.	mg/L		**< 5% of Average**
					Rec 100%			

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

Order #: 15-0648
Date/Time Rec'd: 2/3/15 1447

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**	**2/3/15 0800**	Suspended Solids	SM 2540 D.	**16.**	2.57	3.	1	mg/L	**02/04/15**
-2	**Decant Arm**	**2/3/15 0815**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**02/03/15**

SUB Oil & Grease

Report Completion date: **2/4/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	15-0620-2	**2/4/2015**	Suspended Solids	SM 2540D	28.	mg/L		
Duplicate	**15-0620-2**	**2/4/2015**	Suspended Solids Dup.	SM 2540D	29.	mg/L		**< 5% of Average**
					Rec 102%			
Blank	ASTM II water	**2/4/2015**	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 #: 15-0829
Date/Time Rec'd: 2/10/15 1505

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**	**2/10/15 1202**	Suspended Solids	SM 2540 D.	**11.**	2.57	3.	1	mg/L	**02/13/15**
-2	**Decant Arm**	**2/10/15 1215**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**02/10/15**

SUB Oil & Grease

Report Completion date: **2/16/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	0838-1	**2/13/2015**	Suspended Solids	SM 2540D	29.	mg/L		
Duplicate	**0838-1**	**2/13/2015**	Suspended Solids Dup.	SM 2540D	27.	mg/L		**< 5% of Average**
					Rec 93%			
Blank	ASTM II water	**2/13/2015**	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 #: 15-1014
Date/Time Rec'd: 2/19/15 1415

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

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

Sample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
-1	**Decant Arm**	**2/19/15 0843**	Suspended Solids	SM 2540 D.	**17.**	2.57	3.	1	mg/L	**02/24/15**
-2	**Decant Arm**	**2/19/15 0900**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**02/19/15**

SUB Oil & Grease

Report Completion date: **2/24/15** Reviewed: Amanda Smith

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)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters 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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	15-1036-2	**2/24/2015**	Suspended Solids	SM 2540D	29.	mg/L		
Duplicate	**15-1036-2**	**2/24/2015**	Suspended Solids Dup.	SM 2540D	26.	mg/L		**< 5% of Average**
					91% Rec			
Blank	ASTM II water	**2/24/2015**	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 #: 15-1101
Date/Time Rec'd: 2/24/15 1431

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**	**2/24/15 0900**	Suspended Solids	SM 2540 D.	**22.**	2.57	3.	1	mg/L	**02/26/15**
-2	**Decant Arm**	**2/24/15 0915**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**02/24/15**

SUB Oil & Grease

Report Completion date: **2/26/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	15-1101-1	**2/26/2015**	Suspended Solids	SM 2540D	22.	mg/L		
Duplicate	**15-1101-1**	**2/26/2015**	Suspended Solids Dup.	SM 2540D	20.	mg/L		**< 5% of Average**
					Rec 93%			
Blank	ASTM II water	**2/26/2015**	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 #: 15-1245
Date/Time Rec'd: 3/3/15 1352

Diablo Canyon WWTP
320 Beta Court
Arroyo Grande, CA 93420
Project: PG&E/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**	**3/3/15 0858**	Suspended Solids	SM 2540 D.	**27.**	2.57	3.	1	mg/L	**03/04/15**
-2	**Decant Arm**	**3/3/15 0920**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/03/15**

SUB Oil & Grease

Report Completion date: **3/4/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	15-1170-2	**3/4/2015**	Suspended Solids	SM 2540D	17.	mg/L		
Duplicate	**15-1170-2**	**3/4/2015**	Suspended Solids Dup.	SM 2540D	16.	mg/L		**< 5% of Average**
					92% Rec			
Blank	ASTM II water	**3/4/2015**	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 #: 15-1494
Date/Time Rec'd: 3/12/15 1548

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**	**3/12/15 1014**	Suspended Solids	SM 2540 D.	**10.**	2.57	3.	1	mg/L	**03/13/15**
-2	**Decant Arm**	**3/12/15 1030**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/12/15**

SUB Oil & Grease

Report Completion date: **3/16/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	15-1459-1	**3/13/2015**	Suspended Solids	SM 2540D	15.	mg/L		
Duplicate	**15-1459-1**	**3/13/2015**	Suspended Solids Dup.	SM 2540D	16.	mg/L		**< 5% of Average**
					104% Rec			
Blank	ASTM II water	**3/13/2015**	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 #: 15-1565
Date/Time Rec'd: 3/17/15 1433

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**	**3/17/15 0826**	Suspended Solids	SM 2540 D.	**ND.**	2.57	3.	1	mg/L	**03/19/15**
-2	**Decant Arm**	**3/17/15 0845**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/17/15**

SUB Oil & Grease

Report Completion date: **3/19/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	1582-1	**3/19/2015**	Suspended Solids	SM 2540D	196.	mg/L		
Duplicate	**1582-1**	**3/19/2015**	Suspended Solids Dup.	SM 2540D	194.	mg/L		**< 5% of Average**
					Rec 99%			
Blank	ASTM II water	**3/19/2015**	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 #: 15-1688
Date/Time Rec'd: 3/23/15 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**	**3/23/15 1220**	Suspended Solids	SM 2540 D.	**6.**	2.57	3.	1	mg/L	**03/25/15**
-2	**Decant Arm**	**3/23/15 0840**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/23/15**

SUB Oil & Grease

Report Completion date: **3/25/15**

Reviewed: Amanda Smith

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

ppm = parts per million

mg/L = milligrams per liter (ppm)

MPN = Most Probable Number

NTU = Turbidity Units

mL/L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

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 slighly higher than indicated.

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	Acceptable
	15-1663-2	**3/25/2015**	Suspended Solids	SM 2540D	22.	mg/L		
Duplicate	**15-1663-2**	**3/25/2015**	Suspended Solids Dup.	SM 2540D	22.	mg/L		**< 5% of Average**
					96% Rec			
Blank	ASTM II water	**3/25/2015**	Suspended Solids	SM 2540D	<3.	mg/L		**<3.**

Client Sample ID: 001D LRW 1ST QTR 2015 COMPOSITE — **Lab Sample ID: 160-11003-1**

Date Collected: 03/16/15 10:00 — **Matrix: Water**

Date Received: 03/20/15 09:00

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.091	ug/L		03/30/15 14:04	03/31/15 09:40	1

Client Sample ID: 001D LRW IST QTR 2015 COMPOSITE — **Lab Sample ID: 160-11003-2**

Date Collected: 03/16/15 10:00 — **Matrix: Water**

Date Received: 03/20/15 09:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.28	J	1.0	0.10	ug/L		03/30/15 10:11	03/30/15 19:01	1
Cadmium	0.19		0.10	0.043	ug/L		03/30/15 10:11	03/30/15 19:01	1
Chromium	3.9		2.0	1.0	ug/L		03/30/15 10:11	03/30/15 19:01	1
Copper	1.6		1.0	0.50	ug/L		03/30/15 10:11	03/30/15 19:01	1
Nickel	2.4		1.0	0.40	ug/L		03/30/15 10:11	03/31/15 18:18	1
Lead	0.21	J	0.30	0.060	ug/L		03/30/15 10:11	03/30/15 19:01	1
Zinc	330		20	2.8	ug/L		03/30/15 10:11	03/30/15 19:01	1

Client Sample ID: 001F OWS 1ST QTR 2015 COMPOSITE — **Lab Sample ID: 160-10992-1**
Date Collected: 03/16/15 10:00 — **Matrix: Water**
Date Received: 03/21/15 09:00

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		04/02/15 08:28	04/03/15 07:25	1

Client Sample ID: 001H U-1 CDRS 1ST QTR 2015 COMPOSITE — **Lab Sample ID: 160-10992-2**
Date Collected: 03/16/15 10:00 — **Matrix: Water**
Date Received: 03/21/15 09:00

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		04/02/15 08:28	04/03/15 07:27	1

Client Sample ID: 001H U-2 CDRS 1ST QTR 2015 COMPOSITE — **Lab Sample ID: 160-10992-3**
Date Collected: 03/16/15 10:00 — **Matrix: Water**
Date Received: 03/21/15 09:00

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		04/02/15 08:28	04/03/15 07:29	1

Client Sample ID: 001L U-1 SGBD 1ST QTR 2015 COMPOSITE — **Lab Sample ID: 160-10992-4**
Date Collected: 03/16/15 10:00 — **Matrix: Water**
Date Received: 03/21/15 09:00

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		04/02/15 08:28	04/03/15 07:31	1

Client Sample ID: 001L U-2 SGBD1ST QTR 2015 COMPOSITE — **Lab Sample ID: 160-10992-5**
Date Collected: 03/16/15 10:00 — **Matrix: Water**
Date Received: 03/21/15 09:00

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.050	ug/L		04/02/15 08:28	04/03/15 07:33	1

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

Report Date: 04-Mar-2015

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

Work Order Number: B5B0551

Received on Ice (Y/N): Yes Temp: 1 °C

Laboratory Reference Number
B5B0551-01

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
Intake	Liquid	02/02/15 09:47	02/05/15 10:10

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Nutrients								
Ammonia-Nitrogen	0.13	0.10	0.059	mg/L	SM4500NH3H	02/13/15 14:34	sll	

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA no. CA00102
LACSD No., 10119

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

Report Date: 04-Mar-2015

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

Work Order Number: B5B0551

Received on Ice (Y/N): Yes Temp: 1 °C

Laboratory Reference Number
B5B0551-02

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
Discharge	Liquid	02/02/15 09:59	02/05/15 10:10

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Nutrients								
Ammonia-Nitrogen	0.14	0.10	0.059	mg/L	SM4500NH3H	02/13/15 14:36	sll	

mailing
P.O. Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA no. CA00102
LACSD No., 10119

aquatic bioassay & consulting laboratories, inc

March 17, 2015

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:	25 Feb - 2015
ABC LAB. NO.:	PGE0215.345

ACUTE ABALONE SURVIVAL BIOASSAY

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

Yours very truly,

Scott Johnson
Laboratory Director

CETIS Summary Report

96 Hour Red Abalone Survival — **Aquatic Bioassay & Consulting Labs, Inc.**

Batch ID:	13-3619-4884	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	26 Feb-15 12:18	**Protocol:**	Kopperdahl (1976)	**Diluent:**	Laboratory Seawater
Ending Date:	02 Mar-15 10:33	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	18-5420-1370	**Code:**	PGE0215.345	**Client:**	Pacific Gas & Electric Co.
Sample Date:	25 Feb-15 09:30	**Material:**	Sample Water	**Project:**	
Receive Date:	26 Feb-15 11:45	**Source:**	Bioassay Report		
Sample Age:	27h (10.8 °C)	**Station:**	Discharge 001- Acute		

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
19-0182-8669	96h Survival Rate	100	>100	NA	NA	1	Wilcoxon Rank Sum Two-Sample Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
16-6966-0584	96h Survival Rate	EC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
		EC50	>100	N/A	N/A	<1	

96h Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	4	1	1	1	1	1	0	0	0.0%	0.0%
100		4	1	1	1	1	1	0	0	0.0%	0.0%

96h Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1	1	1	1
100		1	1	1	1

96h Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	10/10	10/10	10/10	10/10
100		10/10	10/10	10/10	10/10

96 Hour Red Abalone Survival				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	19-0182-8669	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.8.7
Analyzed:	17 Mar-15 14:16	**Analysis:**	Nonparametric-Two Sample	**Official Results:**	Yes

Sample ID:	18-5420-1370	**Code:**	PGE0215.345	**Client:**	Pacific Gas & Electric Co.
Sample Date:	25 Feb-15 09:30	**Material:**	Sample Water	**Project:**	
Receive Date:	26 Feb-15 11:45	**Source:**	Bioassay Report		
Sample Age:	27h (10.8 °C)	**Station:**	Discharge 001- Acute		

Data Transform	Zeta	Alt Hyp	Trials	Seed	Test Result
Angular (Corrected)	NA	C > T	NA	NA	Passes 96h survival rate

Wilcoxon Rank Sum Two-Sample Test

Control	vs	C-%	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		100	18	NA	1	6	1.0000	Exact	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0	0	1	65540	<0.0001	Significant Effect
Error	0	0	6			
Total	0		7			

96h Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	1	1	1	1	1	1	0	0.0%	0.0%
100		4	1	1	1	1	1	1	0	0.0%	0.0%

Angular (Corrected) Transformed Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Contr	4	1.412	1.412	1.412	1.412	1.412	1.412	0	0.0%	0.0%
100		4	1.412	1.412	1.412	1.412	1.412	1.412	0	0.0%	0.0%

96h Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1	1	1	1
100		1	1	1	1

Angular (Corrected) Transformed Detail

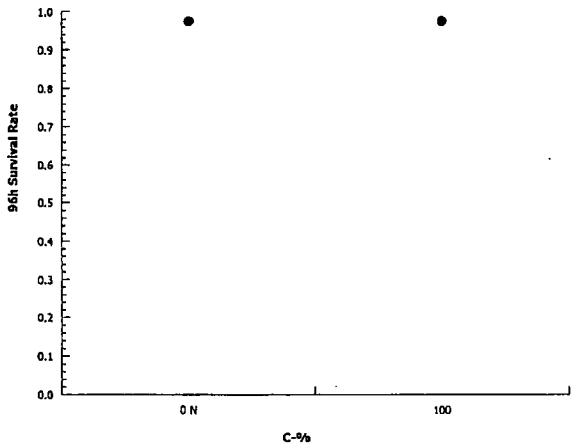
C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1.412	1.412	1.412	1.412
100		1.412	1.412	1.412	1.412

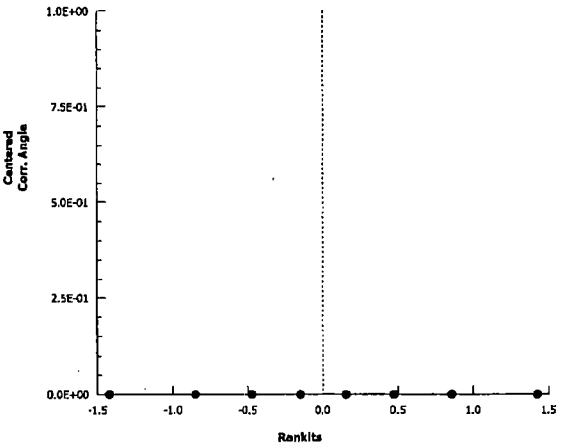
96h Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	10/10	10/10	10/10	10/10
100		10/10	10/10	10/10	10/10

96 Hour Red Abalone Survival				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	19-0182-8669	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.8.7
Analyzed:	17 Mar-15 14:16	**Analysis:**	Nonparametric-Two Sample	**Official Results:**	Yes

Graphics





CETIS Analytical Report

96 Hour Red Abalone Survival — **Aquatic Bioassay & Consulting Labs, Inc.**

Analysis ID:	16-6966-0584	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.8.7
Analyzed:	17 Mar-15 14:16	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Sample ID:	18-5420-1370	**Code:**	PGE0215.345	**Client:**	Pacific Gas & Electric Co.
Sample Date:	25 Feb-15 09:30	**Material:**	Sample Water	**Project:**	
Receive Date:	26 Feb-15 11:45	**Source:**	Bioassay Report		
Sample Age:	27h (10.8 °C)	**Station:**	Discharge 001- Acute		

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

96h Survival Rate Summary

			Calculated Variate(A/B)								
C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	4	1	1	1	0	0	0.0%	0.0%	40	40
100		4	1	1	1	0	0	0.0%	0.0%	40	40

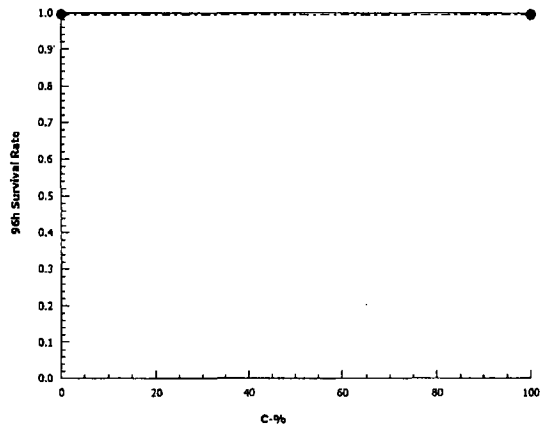
96h Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1	1	1	1
100		1	1	1	1

96h Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	10/10	10/10	10/10	10/10
100		10/10	10/10	10/10	10/10

Graphics



CETIS Measurement Report

96 Hour Red Abalone Survival — **Aquatic Bioassay & Consulting Labs, Inc.**

Batch ID:	13-3619-4884	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	26 Feb-15 12:18	**Protocol:**	Kopperdahl (1976)	**Diluent:**	Laboratory Seawater
Ending Date:	02 Mar-15 10:33	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Cultured Abalone	**Age:**	

Sample ID:	18-5420-1370	**Code:**	PGE0215.345	**Client:**	Pacific Gas & Electric Co.
Sample Date:	25 Feb-15 09:30	**Material:**	Sample Water	**Project:**	
Receive Date:	26 Feb-15 11:45	**Source:**	Bioassay Report		
Sample Age:	27h (10.8 °C)	**Station:**	Discharge 001- Acute		

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	10	7.29	7.171	7.409	7.1	7.6	0.0526	0.1663	2.28%	0
100		10	7.36	7.283	7.437	7.2	7.5	0.03399	0.1075	1.46%	0
Overall		20	7.325			7.1	7.6				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	10	7.57	7.444	7.696	7.4	7.9	0.05588	0.1767	2.33%	0
100		10	7.71	7.631	7.789	7.6	7.9	0.0348	0.11	1.43%	0
Overall		20	7.64			7.4	7.9				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	10	34	34	34	34	34	0	0	0.0%	0
100		10	34	34	34	34	34	0	0	0.0%	0
Overall		20	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	10	14.75	14.32	15.18	14.3	15.9	0.1922	0.6078	4.12%	0
100		10	14.41	14.26	14.56	14.1	14.7	0.06741	0.2132	1.48%	0
Overall		20	14.58			14.1	15.9				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8	9	10
0	Negative Contr	7.6	7.5	7.4	7.3	7.2	7.2	7.1	7.1	7.3	7.2
100		7.4	7.4	7.5	7.5	7.3	7.3	7.2	7.2	7.4	7.4

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8	9	10
0	Negative Contr	7.9	7.9	7.5	7.4	7.5	7.5	7.5	7.5	7.5	7.5
100		7.9	7.9	7.6	7.6	7.7	7.7	7.7	7.7	7.6	7.7

Salinity-ppt

C-%	Control Type	1	2	3	4	5	6	7	8	9	10
0	Negative Contr	34	34	34	34	34	34	34	34	34	34
100		34	34	34	34	34	34	34	34	34	34

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8	9	10
0	Negative Contr	15.8	15.9	14.8	14.8	14.3	14.4	14.4	14.4	14.4	14.3
100		14.5	14.5	14.7	14.6	14.5	14.6	14.2	14.2	14.1	14.2

aquatic bioassay & consulting laboratories, inc

March 19, 2015

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:	3 March - 2015
ABC LAB. NO.:	PGE0315.015

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

Red Abalone Larval Development Test — **Aquatic Bioassay & Consulting Labs, Inc.**

Batch ID:	07-4488-0348	**Test Type:**	Development	**Analyst:**	
Start Date:	03 Mar-15 12:16	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	05 Mar-15 12:30	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	48h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	10-4543-3962	**Code:**	PGE0315.015	**Client:**	Pacific Gas & Electric Co.
Sample Date:	02 Mar-15 09:55	**Material:**	Sample Water	**Project:**	Toxicity Testing
Receive Date:	03 Mar-15 10:10	**Source:**	Bioassay Report		
Sample Age:	26h (1.6 °C)	**Station:**	Discharge 001- Chronic		

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
20-9828-4840	Proportion Normal	100	>100	NA	9.78%	1	Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
00-8990-7852	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
00-8990-7852	Proportion Normal	Control Resp	0.902	0.8 - NL	Yes	Passes Acceptability Criteria
20-9828-4840	Proportion Normal	Control Resp	0.902	0.8 - NL	Yes	Passes Acceptability Criteria
20-9828-4840	Proportion Normal	PMSD	0.09779	NL - 0.2	No	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	0.902	0.8455	0.9585	0.87	0.98	0.02035	0.0455	5.04%	0.0%
10		5	0.934	0.8887	0.9793	0.89	0.97	0.01631	0.03647	3.91%	-3.55%
18		5	0.946	0.862	1	0.84	1	0.03027	0.06768	7.15%	-4.88%
32		5	0.892	0.8267	0.9573	0.85	0.98	0.02354	0.05263	5.9%	1.11%
56		5	0.966	0.9472	0.9848	0.94	0.98	0.006782	0.01517	1.57%	-7.1%
100		5	1	1	1	1	1	0	0	0.0%	-10.86%

Proportion Normal Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	0.9	0.89	0.87	0.98	0.87
10		0.9	0.89	0.95	0.97	0.96
18		0.92	0.84	0.97	1	1
32		0.87	0.9	0.86	0.85	0.98
56		0.97	0.98	0.94	0.97	0.97
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	90/100	89/100	87/100	98/100	87/100
10		90/100	89/100	95/100	97/100	96/100
18		92/100	84/100	97/100	100/100	100/100
32		87/100	90/100	86/100	85/100	98/100
56		97/100	98/100	94/100	97/100	97/100
100		100/100	100/100	100/100	100/100	100/100

CETIS Analytical Report

Red Abalone Larval Development Test — Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID:	20-9828-4840	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.8.7
Analyzed:	18 Mar-15 11:12	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Sample ID:	10-4543-3962	**Code:**	PGE0315.015	**Client:**	Pacific Gas & Electric Co.
Sample Date:	02 Mar-15 09:55	**Material:**	Sample Water	**Project:**	Toxicity Testing
Receive Date:	03 Mar-15 10:10	**Source:**	Bioassay Report		
Sample Age:	26h (1.6 °C)	**Station:**	Discharge 001- Chronic		

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	9.78%	100	>100	NA	1

Dunnett Multiple Comparison Test

Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		10	-0.9519	2.362	0.138	8	0.9809	CDF	Non-Significant Effect
		18	-1.937	2.362	0.138	8	0.9991	CDF	Non-Significant Effect
		32	0.2537	2.362	0.138	8	0.7477	CDF	Non-Significant Effect
		56	-2.145	2.362	0.138	8	0.9996	CDF	Non-Significant Effect
		100	-4.404	2.362	0.138	8	1.0000	CDF	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.2512986	0.05025972	5	5.864	0.0011	Significant Effect
Error	0.2056986	0.008570774	24			
Total	0.4569972		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Mod Levene Equality of Variance	2.683	4.248	0.0555	Equal Variances
Variances	Levene Equality of Variance	3.732	3.895	0.0122	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9322	0.9031	0.0560	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.161	0.1853	0.0456	Normal Distribution
Distribution	D'Agostino Skewness	0.5706	2.576	0.5682	Normal Distribution
Distribution	D'Agostino Kurtosis	1.293	2.576	0.1959	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	1.999	9.21	0.3681	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.9738	3.878	0.0144	Normal Distribution

Proportion Normal Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	5	0.902	0.8455	0.9585	0.89	0.87	0.98	0.02035	5.04%	0.0%
10		5	0.934	0.8887	0.9793	0.95	0.89	0.97	0.01631	3.91%	-3.55%
18		5	0.946	0.862	1	0.97	0.84	1	0.03027	7.15%	-4.88%
32		5	0.892	0.8267	0.9573	0.87	0.85	0.98	0.02354	5.9%	1.11%
56		5	0.966	0.9472	0.9848	0.97	0.94	0.98	0.006782	1.57%	-7.1%
100		5	1	1	1	1	1	1	0	0.0%	-10.86%

Angular (Corrected) Transformed Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Contr	5	1.263	1.145	1.381	1.233	1.202	1.429	0.04248	7.52%	0.0%
10		5	1.319	1.227	1.41	1.345	1.233	1.397	0.03287	5.57%	-4.41%
18		5	1.376	1.182	1.57	1.397	1.159	1.521	0.06992	11.36%	-8.98%
32		5	1.248	1.118	1.378	1.202	1.173	1.429	0.04698	8.42%	1.18%
56		5	1.388	1.34	1.437	1.397	1.323	1.429	0.01744	2.81%	-9.94%
100		5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	-20.42%

Red Abalone Larval Development Test — **Aquatic Bioassay & Consulting Labs, Inc.**

Analysis ID:	20-9828-4840	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.8.7
Analyzed:	18 Mar-15 11:12	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Proportion Normal Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	0.9	0.89	0.87	0.98	0.87
10		0.9	0.89	0.95	0.97	0.96
18		0.92	0.84	0.97	1	1
32		0.87	0.9	0.86	0.85	0.98
56		0.97	0.98	0.94	0.97	0.97
100		1	1	1	1	1

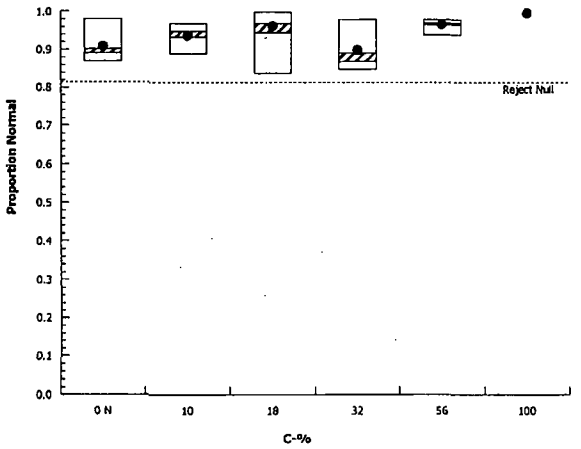
Angular (Corrected) Transformed Detail

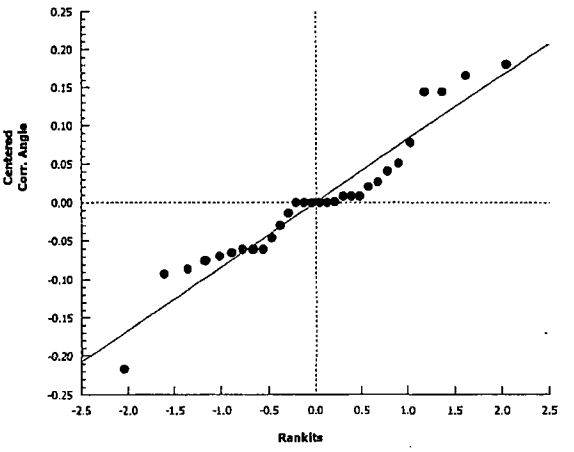
C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1.249	1.233	1.202	1.429	1.202
10		1.249	1.233	1.345	1.397	1.369
18		1.284	1.159	1.397	1.521	1.521
32		1.202	1.249	1.187	1.173	1.429
56		1.397	1.429	1.323	1.397	1.397
100		1.521	1.521	1.521	1.521	1.521

Proportion Normal Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	90/100	89/100	87/100	98/100	87/100
10		90/100	89/100	95/100	97/100	96/100
18		92/100	84/100	97/100	100/100	100/100
32		87/100	90/100	86/100	85/100	98/100
56		97/100	98/100	94/100	97/100	97/100
100		100/100	100/100	100/100	100/100	100/100

Graphics





Red Abalone Larval Development Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	00-8990-7852	Endpoint:	Proportion Normal	CETIS Version:	CETISv1.8.7
Analyzed:	18 Mar-15 11:12	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Sample ID:	10-4543-3962	Code:	PGE0315.015	Client:	Pacific Gas & Electric Co.
Sample Date:	02 Mar-15 09:55	Material:	Sample Water	Project:	Toxicity Testing
Receive Date:	03 Mar-15 10:10	Source:	Bioassay Report		
Sample Age:	26h (1.6 °C)	Station:	Discharge 001- Chronic		

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	0.902	0.87	0.98	0.02035	0.0455	5.04%	0.0%	451	500
10		5	0.934	0.89	0.97	0.01631	0.03647	3.91%	-3.55%	467	500
18		5	0.946	0.84	1	0.03027	0.06768	7.15%	-4.88%	473	500
32		5	0.892	0.85	0.98	0.02354	0.05263	5.9%	1.11%	446	500
56		5	0.966	0.94	0.98	0.006782	0.01517	1.57%	-7.1%	483	500
100		5	1	1	1	0	0	0.0%	-10.86%	500	500

Proportion Normal Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	0.9	0.89	0.87	0.98	0.87
10		0.9	0.89	0.95	0.97	0.96
18		0.92	0.84	0.97	1	1
32		0.87	0.9	0.86	0.85	0.98
56		0.97	0.98	0.94	0.97	0.97
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	90/100	89/100	87/100	98/100	87/100
10		90/100	89/100	95/100	97/100	96/100
18		92/100	84/100	97/100	100/100	100/100
32		87/100	90/100	86/100	85/100	98/100
56		97/100	98/100	94/100	97/100	97/100
100		100/100	100/100	100/100	100/100	100/100

Red Abalone Larval Development Test — **Aquatic Bioassay & Consulting Labs, Inc.**

Batch ID:	07-4488-0348	**Test Type:**	Development	**Analyst:**	
Start Date:	03 Mar-15 12:16	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	05 Mar-15 12:30	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	48h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	10-4543-3962	**Code:**	PGE0315.015	**Client:**	Pacific Gas & Electric Co.
Sample Date:	02 Mar-15 09:55	**Material:**	Sample Water	**Project:**	Toxicity Testing
Receive Date:	03 Mar-15 10:10	**Source:**	Bioassay Report		
Sample Age:	26h (1.6 °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	14.3	14.4	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	6.85	-1.409	15.11	6.2	7.5	0.65	0.9192	13.42%	0
10		2	7.2	2.118	12.28	6.8	7.6	0.4	0.5657	7.86%	0
18		2	7.35	1.632	13.07	6.9	7.8	0.45	0.6364	8.66%	0
32		2	7.4	1.047	13.75	6.9	7.9	0.5	0.7071	9.56%	0
56		2	7.55	-0.709	15.81	6.9	8.2	0.65	0.9192	12.18%	0
100		2	7.75	-1.78	17.28	7	8.5	0.75	1.061	13.69%	0
Overall		12	7.35			6.2	8.5				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	7.65	7.015	8.285	7.6	7.7	0.05	0.07071	0.92%	0
10		2	7.7	7.698	7.702	7.7	7.7	0	0	0.0%	0
18		2	7.7	7.698	7.702	7.7	7.7	0	0	0.0%	0
32		2	7.7	7.698	7.702	7.7	7.7	0	0	0.0%	0
56		2	7.7	7.698	7.702	7.7	7.7	0	0	0.0%	0
100		2	7.7	7.698	7.702	7.7	7.7	0	0	0.0%	0
Overall		12	7.692			7.6	7.7				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	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
10		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
18		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
32		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
56		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
100		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
Overall		12	14.35			14.3	14.4				0 (0%)

Red Abalone Larval Development Test — **Aquatic Bioassay & Consulting Labs, Inc.**

Dissolved Oxygen-mg/L

C-%	Control Type	1	2
0	Negative Contr	7.5	6.2
10		7.6	6.8
18		7.8	6.9
32		7.9	6.9
56		8.2	6.9
100		8.5	7

pH-Units

C-%	Control Type	1	2
0	Negative Contr	7.7	7.6
10		7.7	7.7
18		7.7	7.7
32		7.7	7.7
56		7.7	7.7
100		7.7	7.7

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	14.3	14.4
10		14.3	14.4
18		14.3	14.4
32		14.3	14.4
56		14.3	14.4
100		14.3	14.4

aquatic bioassay & consulting laboratories, inc

CHRONIC ABALONE DEVELOPMENT BIOASSAY

DATE: 3 March 2015

STANDARD TOXICANT: Zinc

NOEC = 18.00 ug/l

EC25 = 24.91 ug/l
EC50 = 66.77 ug/l

Yours very truly,

Scott Johnson
Laboratory Director

29 north olive st. ventura, ca 93001 (805) 643 5621 www.aquabio.org

CETIS Summary Report

Red Abalone Larval Development Test — **Aquatic Bioassay & Consulting Labs, Inc.**

Batch ID:	06-5432-7894	**Test Type:**	Development	**Analyst:**	
Start Date:	03 Mar-15 12:15	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	05 Mar-15 12:30	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	48h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	03-6602-4055	**Code:**	ABS030315	**Client:**	Internal Lab
Sample Date:	03 Mar-15 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
20-1509-4568	Proportion Normal	18	32	24	28.2%		Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
19-4596-6591	Proportion Normal	EC5	5.475	2.368	25.99		Linear Interpolation (ICPIN)
		EC10	10.95	4.735	29.2		
		EC15	16.42	7.103	41.53		
		EC20	20.87	9.983	67.59		
		EC25	24.91	13.07	75.54		
		EC40	60.13	12.32	70.34		
		EC50	66.77	44.26	75.28		

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
19-4596-6591	Proportion Normal	Control Resp	0.876	0.8 - NL	Yes	Passes Acceptability Criteria
20-1509-4568	Proportion Normal	Control Resp	0.876	0.8 - NL	Yes	Passes Acceptability Criteria
20-1509-4568	Proportion Normal	NOEL	18	NL - 56	No	Passes Acceptability Criteria
20-1509-4568	Proportion Normal	PMSD	0.2819	NL - 0.2	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	0.876	0.8174	0.9346	0.8	0.92	0.02112	0.04722	5.39%	0.0%
18		5	0.732	0.5658	0.8982	0.56	0.88	0.05987	0.1339	18.29%	16.44%
32		5	0.558	0.1952	0.9208	0.09	0.89	0.1307	0.2922	52.36%	36.3%
56		5	0.602	0.3691	0.8349	0.31	0.77	0.08387	0.1875	31.15%	31.28%
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	0.8	0.87	0.92	0.91	0.88
18		0.88	0.64	0.84	0.56	0.74
32		0.89	0.6	0.09	0.55	0.66
56		0.31	0.77	0.75	0.54	0.64
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	80/100	87/100	92/100	91/100	88/100
18		88/100	64/100	84/100	56/100	74/100
32		89/100	60/100	9/100	55/100	66/100
56		31/100	77/100	75/100	54/100	64/100
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

Red Abalone Larval Development Test — Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID:	20-1509-4568	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.8.7
Analyzed:	18 Mar-15 11:06	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Sample ID:	03-6602-4055	**Code:**	ABS030315	**Client:**	Internal Lab
Sample Date:	03 Mar-15 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	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	28.2%	18	32	24	

Dunnett Multiple Comparison Test

Control	vs	C-µg/L	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		18	1.327	2.227	0.299	8	0.2182	CDF	Non-Significant Effect
		32*	2.781	2.227	0.299	8	0.0172	CDF	Significant Effect
		56*	2.404	2.227	0.299	8	0.0359	CDF	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.4220498	0.1406833	3	3.116	0.0556	Non-Significant Effect
Error	0.7224627	0.04515392	16			
Total	1.144513		19			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	7.677	11.34	0.0532	Equal Variances
Variances	Mod Levene Equality of Variance	1.359	5.953	0.3022	Equal Variances
Variances	Levene Equality of Variance	1.323	5.292	0.3016	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9326	0.866	0.1733	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1728	0.2235	0.1203	Normal Distribution
Distribution	D'Agostino Skewness	1.745	2.576	0.0809	Normal Distribution
Distribution	D'Agostino Kurtosis	1.933	2.576	0.0532	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	6.783	9.21	0.0337	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.6396	3.878	0.0958	Normal Distribution

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	0.876	0.8174	0.9346	0.88	0.8	0.92	0.02112	5.39%	0.0%
18		5	0.732	0.5658	0.8982	0.74	0.56	0.88	0.05987	18.29%	16.44%
32		5	0.558	0.1952	0.9208	0.6	0.09	0.89	0.1307	52.36%	36.3%
56		5	0.602	0.3691	0.8349	0.64	0.31	0.77	0.08387	31.15%	31.28%
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	1.215	1.129	1.301	1.217	1.107	1.284	0.03097	5.7%	0.0%
18		5	1.037	0.8446	1.229	1.036	0.8455	1.217	0.06931	14.94%	14.67%
32		5	0.8414	0.4228	1.26	0.8861	0.3047	1.233	0.1508	40.07%	30.76%
56		5	0.8922	0.6497	1.135	0.9273	0.5905	1.071	0.08734	21.89%	26.58%
100		5	0.05002	0.05001	0.05003	0.05002	0.05002	0.05002	0	0.0%	95.88%
180		5	0.05002	0.05001	0.05003	0.05002	0.05002	0.05002	0	0.0%	95.88%

Red Abalone Larval Development Test — **Aquatic Bioassay & Consulting Labs, Inc.**

Analysis ID:	20-1509-4568	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.8.7
Analyzed:	18 Mar-15 11:06	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Proportion Normal Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	0.8	0.87	0.92	0.91	0.88
18		0.88	0.64	0.84	0.56	0.74
32		0.89	0.6	0.09	0.55	0.66
56		0.31	0.77	0.75	0.54	0.64
100		0	0	0	0	0
180		0	0	0	0	0

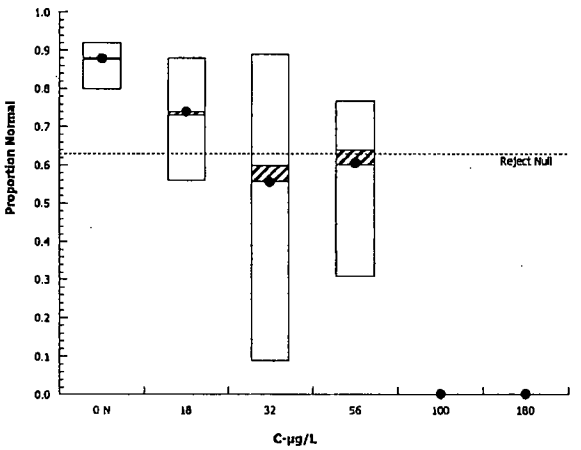
Angular (Corrected) Transformed Detail

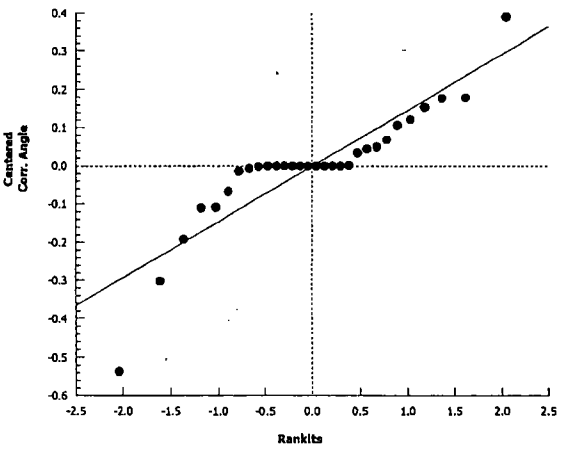
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1.107	1.202	1.284	1.266	1.217
18		1.217	0.9273	1.159	0.8455	1.036
32		1.233	0.8861	0.3047	0.8355	0.9483
56		0.5905	1.071	1.047	0.8254	0.9273
100		0.05002	0.05002	0.05002	0.05002	0.05002
180		0.05002	0.05002	0.05002	0.05002	0.05002

Proportion Normal Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	80/100	87/100	92/100	91/100	88/100
18		88/100	64/100	84/100	56/100	74/100
32		89/100	60/100	9/100	55/100	66/100
56		31/100	77/100	75/100	54/100	64/100
100		0/100	0/100	0/100	0/100	0/100
180		0/100	0/100	0/100	0/100	0/100

Graphics





Red Abalone Larval Development Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	19-4596-6591	Endpoint:	Proportion Normal	CETIS Version:	CETISv1.8.7
Analyzed:	18 Mar-15 11:06	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Sample ID:	03-6602-4055	Code:	ABS030315	Client:	Internal Lab
Sample Date:	03 Mar-15 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	5.475	2.368	25.99
EC10	10.95	4.735	29.2
EC15	16.42	7.103	41.53
EC20	20.87	9.983	67.59
EC25	24.91	13.07	75.54
EC40	60.13	12.32	70.34
EC50	66.77	44.26	75.28

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	0.876	0.8	0.92	0.02112	0.04722	5.39%	0.0%	438	500
18		5	0.732	0.56	0.88	0.05987	0.1339	18.29%	16.44%	366	500
32		5	0.558	0.09	0.89	0.1307	0.2922	52.36%	36.3%	279	500
56		5	0.602	0.31	0.77	0.08387	0.1875	31.15%	31.28%	301	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

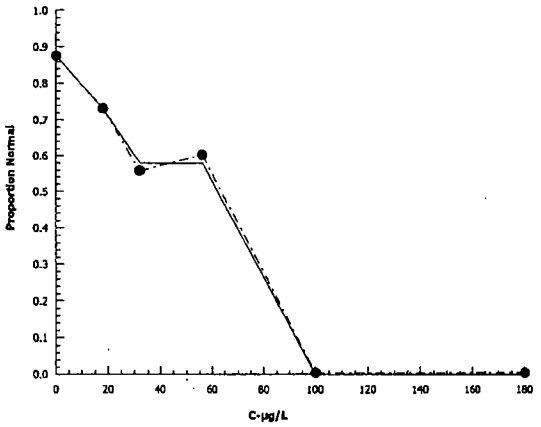
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	0.8	0.87	0.92	0.91	0.88
18		0.88	0.64	0.84	0.56	0.74
32		0.89	0.6	0.09	0.55	0.66
56		0.31	0.77	0.75	0.54	0.64
100		0	0	0	0	0
180		0	0	0	0	0

Proportion Normal Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	80/100	87/100	92/100	91/100	88/100
18		88/100	64/100	84/100	56/100	74/100
32		89/100	60/100	9/100	55/100	66/100
56		31/100	77/100	75/100	54/100	64/100
100		0/100	0/100	0/100	0/100	0/100
180		0/100	0/100	0/100	0/100	0/100

Red Abalone Larval Development Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	19-4596-6591	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.8.7
Analyzed:	18 Mar-15 11:06	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Graphics



CETIS Measurement Report

Red Abalone Larval Development Test — **Aquatic Bioassay & Consulting Labs, Inc.**

Batch ID:	06-5432-7894	**Test Type:**	Development	**Analyst:**	
Start Date:	03 Mar-15 12:15	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	05 Mar-15 12:30	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	48h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	03-6602-4055	**Code:**	ABS030315	**Client:**	Internal Lab
Sample Date:	03 Mar-15 12:15	**Material:**	Zinc	**Project:**	REF TOX
Receive Date:		**Source:**	Reference Toxicant		
Sample Age:	NA	**Station:**	REF TOX		

Parameter Acceptability Criteria

Parameter	Min	Max	Acceptability Limits	Overlap	Decision
Salinity-ppt	34	34	32 - 36	Yes	Results Within Limits
Temperature-°C	14.3	14.4	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	7	0.6469	13.35	6.5	7.5	0.5	0.7071	10.1%	0
18		2	7.4	6.129	8.671	7.3	7.5	0.1	0.1414	1.91%	0
32		2	7.4	6.129	8.671	7.3	7.5	0.1	0.1414	1.91%	0
56		2	7.4	6.129	8.671	7.3	7.5	0.1	0.1414	1.91%	0
100		2	7.4	6.129	8.671	7.3	7.5	0.1	0.1414	1.91%	0
180		2	7.4	6.129	8.671	7.3	7.5	0.1	0.1414	1.91%	0
Overall		12	7.333			6.5	7.5				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	7.65	7.015	8.285	7.6	7.7	0.05	0.07071	0.92%	0
18		2	7.75	7.115	8.385	7.7	7.8	0.05001	0.07072	0.91%	0
32		2	7.75	7.115	8.385	7.7	7.8	0.05001	0.07072	0.91%	0
56		2	7.75	7.115	8.385	7.7	7.8	0.05001	0.07072	0.91%	0
100		2	7.75	7.115	8.385	7.7	7.8	0.05001	0.07072	0.91%	0
180		2	7.75	7.115	8.385	7.7	7.8	0.05001	0.07072	0.91%	0
Overall		12	7.733			7.6	7.8				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	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
18		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
32		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
56		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
100		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
180		2	14.35	13.71	14.99	14.3	14.4	0.04998	0.07068	0.49%	0
Overall		12	14.35			14.3	14.4				0 (0%)

Dissolved Oxygen-mg/L

C-µg/L	Control Type	1	2
0	Negative Contr	7.5	6.5
18		7.5	7.3
32		7.5	7.3
56		7.5	7.3
100		7.5	7.3
180		7.5	7.3

pH-Units

C-µg/L	Control Type	1	2
0	Negative Contr	7.7	7.6
18		7.7	7.8
32		7.7	7.8
56		7.7	7.8
100		7.7	7.8
180		7.7	7.8

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	14.3	14.4
18		14.3	14.4
32		14.3	14.4
56		14.3	14.4
100		14.3	14.4
180		14.3	14.4