Pacific Gas and Electric Company®

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

PG&E Letter DCL-2016-516

Electronic Submission
CIWQS Web Application

April 20, 2016

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 2016 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:	2016 (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,

Name: David Cortina
Title: *Manager, Chemistry and Environmental Operations – Diablo Canyon Power Plant*

2016516/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

John Reynoso
NRC Acting Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Diablo Canyon Power Plant 104/5

PACIFIC GAS AND ELECTRIC COMPANY

First Quarter 2016

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

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OVERVIEW

1. During the first quarter of 2016, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001L, 001N, 001P, 002, 003, 004, and 005 through 015. No discharges occurred from Discharge Paths 001I, 001J, 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 2016, 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)
01/07/16	Unit 2 CCW	2,100	100	0	< 2.0	< 1.4
02/08/16	Unit 1 ICW	15	0	< 0.25	n/a	n/a
02/16/16	Unit 1 ICW	10	0	< 0.25	n/a	n/a

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the January, February, and March 2016 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 24-28, 2016, 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 February 24-26, 2016, is attached to the CIWQS application submittal. The chronic bioassay results show that toxicity was 1.00 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 (CDF&W) 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 due to a pipe flange repair.

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 two brief interruptions for piping maintenance, one in January and one in February.

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 2016

Summary: Quarterly SMR (MONNPDES) report for Q1 2016 submitted by david cortina (Chemistry and Environmental Services Manager) on

Facility Name: PG&E Diablo Canyon Power Plant
Waterboard Office: Region 3 - Central Coast
Report Effective Dates: 01/01/2016 - 03/31/2016
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		01/01/2016 - 03/31/2016	Plant Seawater Evaporators no longer in service.
Diablo M-001J		01/01/2016 - 03/31/2016	Condensate Pump Discharge Header not drained during December. No effluent discharged.
Diablo M-001K		01/01/2016 - 03/31/2016	Plant Condenser Tube Sheet Leak Detection Dump Tank no longer in service.
Diablo M-001L			
Diablo M-001M		01/01/2016 - 03/31/2016	Plant Wastewater Holding and Treatment System (WHAT) not discharged during 1Q16. Discharge is intermittent, used as required.
Diablo M-001N			
Diablo M-001P			
Diablo M-002			
Diablo M-003			
Diablo M-004			
Diablo M-005			
Diablo M-008			
Diablo M-009			
Diablo M-013			
Diablo M-015			
Diablo M-016		01/01/2016 - 03/31/2016	Bio Lab Seawater Supply Line Valve Box not drained during 1Q16. No effluent discharged.
Diablo M-017		01/01/2016 - 03/31/2016	Seawater RO System Blowdown Line not drained during 1Q16. Discharge rarely used.
Diablo M-INF			

Self-Determined Violations

No Violations Entered

Attachments

File Name	File Description	Date Uploaded	File Size
Attachment 1 - 2016 1st Qtr DCPP NPDES Worksheets.pdf	Excel workbook for average calculations supporting 1Q16 SMR.	04/20/2016	165635 bytes
Attachment 2 - 2016 1st Qtr DCPP NPDES Contract Lab Results.pdf		04/19/2016	3652723 bytes

Cover Letter (Uploaded File)

Title	Date Uploaded	File Size
PGE DCL2016516 1st-Q 2016 DSMR Summary.pdf	04/20/2016	1264027 bytes

Data Summary

Analytical Results

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Ammonia, Total (as N) A4500NH	01/12/2016 10:07:00 01/18/2016	- 1 -	= 0.27 mg/L	- - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chromium (Total) DU	01/05/2016 09:55:00 02/01/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chromium (Total) DU	02/02/2016 10:09:00 02/11/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chromium (Total) DU	03/10/2016 07:45:00 03/17/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chronic Toxicity DU	02/23/2016 09:45:00 02/24/2016	- 1 -	= 1 TUc	- - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Copper, Total DU	01/05/2016 09:55:00 02/01/2016	- 1 -	DNQ 7 ug/L	5 - 10	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Copper, Total DU	02/02/2016 10:09:00 02/11/2016	- 1 -	DNQ 6 ug/L	5 - 10	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Copper, Total DU	03/10/2016 07:45:00 03/17/2016	- 1 -	DNQ 7 ug/L	5 - 10	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Nickel, Total DU	01/05/2016 09:55:00 02/01/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Nickel, Total DU	02/02/2016 10:09:00 02/11/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Nickel, Total DU	03/10/2016 07:45:00 03/17/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	pH A4500HB	01/05/2016 09:55:00 01/05/2016	- 1 -	= 8 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	pH A4500HB	02/02/2016 10:09:00 02/02/2016	- 1 -	= 7.9 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	pH A4500HB	03/10/2016 07:45:00 03/10/2016	- 1 -	= 8 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Zinc, Total DU	01/05/2016 09:55:00 02/01/2016	- 1 -	DNQ 6 ug/L	5 - 10	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Zinc, Total DU	02/02/2016 10:09:00 02/11/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Zinc, Total DU	03/10/2016 07:45:00 03/17/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Oil and Grease E1664A	03/29/2016 07:00:00 03/31/2016	- 1 -	DNQ 3.7 mg/L	1.4 - 5	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Oil and Grease E1664A	01/05/2016 07:08:00 01/13/2016	- 1 -	ND mg/L	1.4 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Oil and Grease E1664A	02/01/2016 12:28:00 02/11/2016	- 1 -	ND mg/L	1.4 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001G	- -	- water	Oil and Grease E1664A	01/11/2016 15:13:00 01/13/2016	- 1 -	ND mg/L	1.4 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001G	- -	- water	Total Suspended Solids (TSS) A2540D	01/11/2016 15:13:00 01/12/2016	- 1 -	ND mg/L	2 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001G	- -	- water	Total Suspended Solids (TSS) A2540D	02/02/2016 11:30:00 02/03/2016	- 1 -	ND mg/L	2 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001G	- -	- water	Total Suspended Solids (TSS) A2540D	03/02/2016 12:04:00 03/02/2016	- 1 -	ND mg/L	2 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001P	- -	- water	Oil and Grease E1664A	01/05/2016 07:52:00 01/13/2016	- 1 -	ND mg/L	1.4 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-002	- -	- water	Oil and Grease E1664A	01/14/2016 09:54:00 01/27/2016	- 1 -	ND mg/L	1.4 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-002	- -	- water	pH A4500HB	01/14/2016 09:54:00 01/14/2016	- 1 -	= 7.9 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-002	- -	- water	pH A4500HB	02/04/2016 12:32:00 02/04/2016	- 1 -	= 8 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-002	- -	- water	pH A4500HB	03/10/2016 10:08:00 03/10/2016	- 1 -	= 8.1 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-002	- -	- water	Total Suspended Solids (TSS) A2540D	01/14/2016 09:54:00 01/14/2016	- 1 -	= 7 mg/L	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-002	- -	- water	Total Suspended Solids (TSS) A2540D	02/04/2016 12:32:00 02/04/2016	- 1 -	= 15 mg/L	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-002	- -	- water	Total Suspended Solids (TSS) A2540D	03/10/2016 10:08:00 03/10/2016	- 1 -	= 8 mg/L	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-003	- -	- water	Oil and Grease E1664A	01/12/2016 13:24:00 01/13/2016	- 1 -	ND mg/L	1.4 - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Analytical Method	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-003	- -	- water	pH A4500HB	01/12/2016 13:24:00 01/12/2016	- 1 -	= 8 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-003	- -	- water	pH A4500HB	02/04/2016 12:20:00 02/04/2016	- 1 -	= 7.9 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-003	- -	- water	pH A4500HB	03/10/2016 09:25:00 03/10/2016	- 1 -	= 7.9 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-004	- -	- water	Oil and Grease E1664A	01/12/2016 13:39:00 01/13/2016	- 1 -	ND mg/L	1.4 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-004	- -	- water	pH A4500HB	01/12/2016 13:39:00 01/12/2016	- 1 -	= 8 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-004	- -	- water	pH A4500HB	02/04/2016 12:40:00 02/04/2016	- 1 -	= 7.9 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-004	- -	- water	pH A4500HB	03/10/2016 10:15:00 03/10/2016	- 1 -	= 8.1 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Ammonia, Total (as N) A4500NH	01/12/2016 09:56:00 01/18/2016	- 1 -	= 0.25 mg/L	- - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	pH A4500H	01/05/2016 09:43:00 01/05/2016	- 1 -	= 8 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	pH A4500H	02/02/2016 09:57:00 02/02/2016	- 1 -	= 7.9 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	pH A4500H	03/10/2016 07:33:00 03/10/2016	- 1 -	= 8 SU	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Calculated Values

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Chlorine Usage 30-Day Avg of Daily Avgs	01/01/2016 00:00:00 01/31/2016	- 1 -	= 639 lb/day	- - -	No -	Monthly avg result. See Attachment 1, Tab 2	CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chlorine Usage 30-Day Avg of Daily Avgs	02/01/2016 00:00:00 02/29/2016	- 1 -	= 598 lb/day	- - -	No -	Monthly avg result. See Attachment 1, Tab 3	CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chlorine Usage 30-Day Avg of Daily Avgs	03/01/2016 00:00:00 03/31/2016	- 1 -	= 607 lb/day	- - -	No -	Monthly avg result. See Attachment 1, Tab 4	CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chlorine, Total Residual 30-Day Avg of Daily Maxs	01/01/2016 00:00:00 01/31/2016	- 1 -	= 32 ug/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 2	CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chlorine, Total Residual 30-Day Avg of Daily Maxs	02/01/2016 00:00:00 02/29/2016	- 1 -	= 30 ug/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 3	CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Chlorine, Total Residual 30-Day Avg of Daily Maxs	03/01/2016 00:00:00 03/31/2016	- 1 -	= 34 ug/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 4	CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/01/2016 00:00:00 01/01/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Flow Daily Discharge	01/02/2016 00:00:00 01/02/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/03/2016 00:00:00 01/03/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/04/2016 00:00:00 01/04/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/05/2016 00:00:00 01/05/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/06/2016 00:00:00 01/06/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/07/2016 00:00:00 01/07/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/08/2016 00:00:00 01/08/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/09/2016 00:00:00 01/09/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/10/2016 00:00:00 01/10/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/11/2016 00:00:00 01/11/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/12/2016 00:00:00 01/12/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/13/2016 00:00:00 01/13/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/14/2016 00:00:00 01/14/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/15/2016 00:00:00 01/15/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/16/2016 00:00:00 01/16/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/17/2016 00:00:00 01/17/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/18/2016 00:00:00 01/18/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/19/2016 00:00:00 01/19/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/20/2016 00:00:00 01/20/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Flow Daily Discharge	01/21/2016 00:00:00 01/21/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/22/2016 00:00:00 01/22/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/23/2016 00:00:00 01/23/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/24/2016 00:00:00 01/24/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/25/2016 00:00:00 01/25/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/26/2016 00:00:00 01/26/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/27/2016 00:00:00 01/27/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/28/2016 00:00:00 01/28/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/29/2016 00:00:00 01/29/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/30/2016 00:00:00 01/30/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	01/31/2016 00:00:00 01/31/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/01/2016 00:00:00 02/01/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/02/2016 00:00:00 02/02/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/03/2016 00:00:00 02/03/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/04/2016 00:00:00 02/04/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/05/2016 00:00:00 02/05/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/06/2016 00:00:00 02/06/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/07/2016 00:00:00 02/07/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/08/2016 00:00:00 02/08/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Flow Daily Discharge	02/09/2016 00:00:00 02/09/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/10/2016 00:00:00 02/10/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/11/2016 00:00:00 02/11/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/12/2016 00:00:00 02/12/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/13/2016 00:00:00 02/13/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/14/2016 00:00:00 02/14/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/15/2016 00:00:00 02/15/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/16/2016 00:00:00 02/16/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/17/2016 00:00:00 02/17/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/18/2016 00:00:00 02/18/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/19/2016 00:00:00 02/19/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/20/2016 00:00:00 02/20/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/21/2016 00:00:00 02/21/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/22/2016 00:00:00 02/22/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/23/2016 00:00:00 02/23/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/24/2016 00:00:00 02/24/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/25/2016 00:00:00 02/25/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/26/2016 00:00:00 02/26/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/27/2016 00:00:00 02/27/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Flow Daily Discharge	02/28/2016 00:00:00 02/28/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	02/29/2016 00:00:00 02/29/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/01/2016 00:00:00 03/01/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/02/2016 00:00:00 03/02/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/03/2016 00:00:00 03/03/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/04/2016 00:00:00 03/04/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/05/2016 00:00:00 03/05/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/06/2016 00:00:00 03/06/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/07/2016 00:00:00 03/07/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/08/2016 00:00:00 03/08/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/09/2016 00:00:00 03/09/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/10/2016 00:00:00 03/10/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/11/2016 00:00:00 03/11/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/12/2016 00:00:00 03/12/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/13/2016 00:00:00 03/13/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/14/2016 00:00:00 03/14/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/15/2016 00:00:00 03/15/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/16/2016 00:00:00 03/16/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/17/2016 00:00:00 03/17/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Flow Daily Discharge	03/18/2016 00:00:00 03/18/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/19/2016 00:00:00 03/19/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/20/2016 00:00:00 03/20/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/21/2016 00:00:00 03/21/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/22/2016 00:00:00 03/22/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/23/2016 00:00:00 03/23/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/24/2016 00:00:00 03/24/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/25/2016 00:00:00 03/25/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/26/2016 00:00:00 03/26/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/27/2016 00:00:00 03/27/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/28/2016 00:00:00 03/28/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/29/2016 00:00:00 03/29/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/30/2016 00:00:00 03/30/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Flow Daily Discharge	03/31/2016 00:00:00 03/31/2016	- 1 -	= 2486 MGD	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/01/2016 00:00:00 01/01/2016	- 1 -	= 75.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/02/2016 00:00:00 01/02/2016	- 1 -	= 76 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/03/2016 00:00:00 01/03/2016	- 1 -	= 76.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/04/2016 00:00:00 01/04/2016	- 1 -	= 76.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/05/2016 00:00:00 01/05/2016	- 1 -	= 75.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature 24-hour Average	01/06/2016 00:00:00 01/06/2016	- 1 -	= 75.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/07/2016 00:00:00 01/07/2016	- 1 -	= 76.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/08/2016 00:00:00 01/08/2016	- 1 -	= 76.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/09/2016 00:00:00 01/09/2016	- 1 -	= 76 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/10/2016 00:00:00 01/10/2016	- 1 -	= 76.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/11/2016 00:00:00 01/11/2016	- 1 -	= 76.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/12/2016 00:00:00 01/12/2016	- 1 -	= 76.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/13/2016 00:00:00 01/13/2016	- 1 -	= 76.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/14/2016 00:00:00 01/14/2016	- 1 -	= 76.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/15/2016 00:00:00 01/15/2016	- 1 -	= 75.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/16/2016 00:00:00 01/16/2016	- 1 -	= 75.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/17/2016 00:00:00 01/17/2016	- 1 -	= 76.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/18/2016 00:00:00 01/18/2016	- 1 -	= 76.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/19/2016 00:00:00 01/19/2016	- 1 -	= 76.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/20/2016 00:00:00 01/20/2016	- 1 -	= 76.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/21/2016 00:00:00 01/21/2016	- 1 -	= 76.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/22/2016 00:00:00 01/22/2016	- 1 -	= 76.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/23/2016 00:00:00 01/23/2016	- 1 -	= 76.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/24/2016 00:00:00 01/24/2016	- 1 -	= 76 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature 24-hour Average	01/25/2016 00:00:00 01/25/2016	- 1 -	= 75.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/26/2016 00:00:00 01/26/2016	- 1 -	= 75.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/27/2016 00:00:00 01/27/2016	- 1 -	= 75.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/28/2016 00:00:00 01/28/2016	- 1 -	= 75.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/29/2016 00:00:00 01/29/2016	- 1 -	= 75.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/30/2016 00:00:00 01/30/2016	- 1 -	= 75.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	01/31/2016 00:00:00 01/31/2016	- 1 -	= 75.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/01/2016 00:00:00 02/01/2016	- 1 -	= 72.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/02/2016 00:00:00 02/02/2016	- 1 -	= 73.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/03/2016 00:00:00 02/03/2016	- 1 -	= 73.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/04/2016 00:00:00 02/04/2016	- 1 -	= 73.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/05/2016 00:00:00 02/05/2016	- 1 -	= 73.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/06/2016 00:00:00 02/06/2016	- 1 -	= 74.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/07/2016 00:00:00 02/07/2016	- 1 -	= 73.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/08/2016 00:00:00 02/08/2016	- 1 -	= 74 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/09/2016 00:00:00 02/09/2016	- 1 -	= 74.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/10/2016 00:00:00 02/10/2016	- 1 -	= 74.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/11/2016 00:00:00 02/11/2016	- 1 -	= 74.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/12/2016 00:00:00 02/12/2016	- 1 -	= 74.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature 24-hour Average	02/13/2016 00:00:00 02/13/2016	- 1 -	= 75.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/14/2016 00:00:00 02/14/2016	- 1 -	= 75.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/15/2016 00:00:00 02/15/2016	- 1 -	= 75.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/16/2016 00:00:00 02/16/2016	- 1 -	= 75.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/17/2016 00:00:00 02/17/2016	- 1 -	= 75.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/18/2016 00:00:00 02/18/2016	- 1 -	= 76 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/19/2016 00:00:00 02/19/2016	- 1 -	= 76.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/20/2016 00:00:00 02/20/2016	- 1 -	= 75.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/21/2016 00:00:00 02/21/2016	- 1 -	= 75.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/22/2016 00:00:00 02/22/2016	- 1 -	= 75.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/23/2016 00:00:00 02/23/2016	- 1 -	= 75.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/24/2016 00:00:00 02/24/2016	- 1 -	= 75.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/25/2016 00:00:00 02/25/2016	- 1 -	= 75.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/26/2016 00:00:00 02/26/2016	- 1 -	= 76.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/27/2016 00:00:00 02/27/2016	- 1 -	= 75.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/28/2016 00:00:00 02/28/2016	- 1 -	= 74.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	02/29/2016 00:00:00 02/29/2016	- 1 -	= 75.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/01/2016 00:00:00 03/01/2016	- 1 -	= 75.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/02/2016 00:00:00 03/02/2016	- 1 -	= 75.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature 24-hour Average	03/03/2016 00:00:00 03/03/2016	- 1 -	= 75.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/04/2016 00:00:00 03/04/2016	- 1 -	= 75.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/05/2016 00:00:00 03/05/2016	- 1 -	= 76.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/06/2016 00:00:00 03/06/2016	- 1 -	= 76.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/07/2016 00:00:00 03/07/2016	- 1 -	= 76.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/08/2016 00:00:00 03/08/2016	- 1 -	= 75.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/09/2016 00:00:00 03/09/2016	- 1 -	= 75.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/10/2016 00:00:00 03/10/2016	- 1 -	= 75.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/11/2016 00:00:00 03/11/2016	- 1 -	= 75 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/12/2016 00:00:00 03/12/2016	- 1 -	= 74.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/13/2016 00:00:00 03/13/2016	- 1 -	= 74.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/14/2016 00:00:00 03/14/2016	- 1 -	= 74.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/15/2016 00:00:00 03/15/2016	- 1 -	= 72.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/16/2016 00:00:00 03/16/2016	- 1 -	= 73.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/17/2016 00:00:00 03/17/2016	- 1 -	= 74.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/18/2016 00:00:00 03/18/2016	- 1 -	= 73.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/19/2016 00:00:00 03/19/2016	- 1 -	= 73.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/20/2016 00:00:00 03/20/2016	- 1 -	= 73.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/21/2016 00:00:00 03/21/2016	- 1 -	= 73.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature 24-hour Average	03/22/2016 00:00:00 03/22/2016	- 1 -	= 72.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/23/2016 00:00:00 03/23/2016	- 1 -	= 71.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/24/2016 00:00:00 03/24/2016	- 1 -	= 72 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/25/2016 00:00:00 03/25/2016	- 1 -	= 71.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/26/2016 00:00:00 03/26/2016	- 1 -	= 70.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/27/2016 00:00:00 03/27/2016	- 1 -	= 69.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/28/2016 00:00:00 03/28/2016	- 1 -	= 69.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/29/2016 00:00:00 03/29/2016	- 1 -	= 69 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/30/2016 00:00:00 03/30/2016	- 1 -	= 69.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature 24-hour Average	03/31/2016 00:00:00 03/31/2016	- 1 -	= 69.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Daily Maximum	01/31/2016 00:00:00 01/31/2016	- 1 -	= 76.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Daily Maximum	02/29/2016 00:00:00 02/29/2016	- 1 -	= 76.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Daily Maximum	03/31/2016 00:00:00 03/31/2016	- 1 -	= 76.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/01/2016 00:00:00 01/01/2016	- 1 -	= 18.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/02/2016 00:00:00 01/02/2016	- 1 -	= 18.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/03/2016 00:00:00 01/03/2016	- 1 -	= 18.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/04/2016 00:00:00 01/04/2016	- 1 -	= 18.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/05/2016 00:00:00 01/05/2016	- 1 -	= 18.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/06/2016 00:00:00 01/06/2016	- 1 -	= 18.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature Delta from Background	01/07/2016 00:00:00 01/07/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/08/2016 00:00:00 01/08/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/09/2016 00:00:00 01/09/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/10/2016 00:00:00 01/10/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/11/2016 00:00:00 01/11/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/12/2016 00:00:00 01/12/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/13/2016 00:00:00 01/13/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/14/2016 00:00:00 01/14/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/15/2016 00:00:00 01/15/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/16/2016 00:00:00 01/16/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/17/2016 00:00:00 01/17/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/18/2016 00:00:00 01/18/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/19/2016 00:00:00 01/19/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/20/2016 00:00:00 01/20/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/21/2016 00:00:00 01/21/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/22/2016 00:00:00 01/22/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/23/2016 00:00:00 01/23/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/24/2016 00:00:00 01/24/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/25/2016 00:00:00 01/25/2016	- 1 -	= 19.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature Delta from Background	01/26/2016 00:00:00 01/26/2016	- 1 -	• = 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/27/2016 00:00:00 01/27/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/28/2016 00:00:00 01/28/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/29/2016 00:00:00 01/29/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/30/2016 00:00:00 01/30/2016	- 1 -	= 19.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	01/31/2016 00:00:00 01/31/2016	- 1 -	= 19.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/01/2016 00:00:00 02/01/2016	- 1 -	= 19.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/02/2016 00:00:00 02/02/2016	- 1 -	= 19.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/03/2016 00:00:00 02/03/2016	- 1 -	= 19.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/04/2016 00:00:00 02/04/2016	- 1 -	= 19.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/05/2016 00:00:00 02/05/2016	- 1 -	= 19.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/06/2016 00:00:00 02/06/2016	- 1 -	= 19.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/07/2016 00:00:00 02/07/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/08/2016 00:00:00 02/08/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/09/2016 00:00:00 02/09/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/10/2016 00:00:00 02/10/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/11/2016 00:00:00 02/11/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/12/2016 00:00:00 02/12/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/13/2016 00:00:00 02/13/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature Delta from Background	02/14/2016 00:00:00 02/14/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/15/2016 00:00:00 02/15/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/16/2016 00:00:00 02/16/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/17/2016 00:00:00 02/17/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/18/2016 00:00:00 02/18/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/19/2016 00:00:00 02/19/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/20/2016 00:00:00 02/20/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/21/2016 00:00:00 02/21/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/22/2016 00:00:00 02/22/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/23/2016 00:00:00 02/23/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/24/2016 00:00:00 02/24/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/25/2016 00:00:00 02/25/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/26/2016 00:00:00 02/26/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/27/2016 00:00:00 02/27/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/28/2016 00:00:00 02/28/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	02/29/2016 00:00:00 02/29/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/01/2016 00:00:00 03/01/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/02/2016 00:00:00 03/02/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/03/2016 00:00:00 03/03/2016	- 1 -	= 18.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature Delta from Background	03/04/2016 00:00:00 03/04/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/05/2016 00:00:00 03/05/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/06/2016 00:00:00 03/06/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/07/2016 00:00:00 03/07/2016	- 1 -	= 18.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/08/2016 00:00:00 03/08/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/09/2016 00:00:00 03/09/2016	- 1 -	= 19.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/10/2016 00:00:00 03/10/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/11/2016 00:00:00 03/11/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/12/2016 00:00:00 03/12/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/13/2016 00:00:00 03/13/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/14/2016 00:00:00 03/14/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/15/2016 00:00:00 03/15/2016	- 1 -	= 19.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/16/2016 00:00:00 03/16/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/17/2016 00:00:00 03/17/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/18/2016 00:00:00 03/18/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/19/2016 00:00:00 03/19/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/20/2016 00:00:00 03/20/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/21/2016 00:00:00 03/21/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/22/2016 00:00:00 03/22/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001	- -	- water	Temperature Delta from Background	03/23/2016 00:00:00 03/23/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/24/2016 00:00:00 03/24/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/25/2016 00:00:00 03/25/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/26/2016 00:00:00 03/26/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/27/2016 00:00:00 03/27/2016	- 1 -	= 19 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/28/2016 00:00:00 03/28/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/29/2016 00:00:00 03/29/2016	- 1 -	= 18.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/30/2016 00:00:00 03/30/2016	- 1 -	= 18.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Delta from Background	03/31/2016 00:00:00 03/31/2016	- 1 -	= 18.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Mthly Avg of Daily Avgs	01/31/2016 00:00:00 01/31/2016	- 1 -	= 76 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Mthly Avg of Daily Avgs	02/29/2016 00:00:00 02/29/2016	- 1 -	= 74.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001	- -	- water	Temperature Mthly Avg of Daily Avgs	03/31/2016 00:00:00 03/31/2016	- 1 -	= 73.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Cadmium, Total 90-Day Mean	01/06/2016 00:00:00 03/09/2016	- 1 -	= 0.15 ug/L	- - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Chromium (Total) 90-Day Mean	01/06/2016 00:00:00 03/09/2016	- 1 -	DNQ 1.5 ug/L	1 - 2	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Copper, Total 90-Day Mean	01/06/2016 00:00:00 03/09/2016	- 1 -	= 5.2 ug/L	- - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Lead, Total 90-Day Mean	01/06/2016 00:00:00 03/09/2016	- 1 -	= 0.64 ug/L	- - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Mercury, Total 90-Day Mean	01/06/2016 00:00:00 03/09/2016	- 1 -	ND ug/L	.08 - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Nickel, Total 90-Day Mean	01/06/2016 00:00:00 03/09/2016	- 1 -	= 4.9 ug/L	- - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Oil and Grease 90-Day Mean	01/06/2016 00:00:00 02/11/2016	- 1 -	< 5 mg/L	- - -	No -	Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001D	- -	- water	Silver, Total 90-Day Mean	01/06/2016 00:00:00 03/09/2016	- 1 -	DNQ 0.16 ug/L	.1 - 1	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	01/06/2016 00:00:00 01/28/2016	- 1 -	< 5 mg/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 5	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	02/02/2016 00:00:00 02/16/2016	- 1 -	< 5 mg/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 6	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	03/07/2016 00:00:00 03/09/2016	- 1 -	ND mg/L	2 - -	No -	Monthly avg result. See Attachment 1, Tab 7	CDF_Analytical_Calculated_04192016.zip
M-001D	- -	- water	Zinc, Total 90-Day Mean	01/06/2016 00:00:00 03/09/2016	- 1 -	= 260 ug/L	- - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Cadmium, Total 7-Day Average (Mean)	01/01/2016 00:00:00 01/08/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Chromium (Total) 7-Day Average (Mean)	01/01/2016 00:00:00 01/08/2016	- 1 -	DNQ 8 ug/L	5 - 10	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Copper, Total 7-Day Average (Mean)	01/01/2016 00:00:00 01/08/2016	- 1 -	= 14 ug/L	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Lead, Total 7-Day Average (Mean)	01/01/2016 00:00:00 01/08/2016	- 1 -	= 19 ug/L	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Mercury, Total 7-Day Average (Mean)	01/01/2016 00:00:00 01/08/2016	- 1 -	ND ug/L	.08 - -	No -	See Attachment 2, Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Nickel, Total 7-Day Average (Mean)	01/01/2016 00:00:00 01/08/2016	- 1 -	= 13 ug/L	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Silver, Total 7-Day Average (Mean)	01/01/2016 00:00:00 01/08/2016	- 1 -	ND ug/L	5 - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	01/05/2016 07:08:00 01/05/2016	- 1 -	< 5 mg/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	02/01/2016 12:28:00 02/01/2016	- 1 -	DNQ 4 mg/L	2 - 5	No -	Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	03/03/2016 07:00:00 03/03/2016	- 1 -	DNQ 3 mg/L	2 - 5	No -	Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_04192016.zip
M-001F	- -	- water	Zinc, Total 7-Day Average (Mean)	01/01/2016 00:00:00 01/08/2016	- 1 -	= 63 ug/L	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Cadmium, Total 90-Day Mean	01/04/2016 00:00:00 03/14/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Chromium (Total) 90-Day Mean	01/04/2016 00:00:00 03/14/2016	- 1 -	< 10 ug/L	- - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Copper, Total 90-Day Mean	01/04/2016 00:00:00 03/14/2016	- 1 -	= 37 ug/L	- - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001H	- -	- water	Lead, Total 90-Day Mean	01/04/2016 00:00:00 03/14/2016	- 1 -	= 23 ug/L	- - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Mercury, Total 90-Day Mean	01/04/2016 00:00:00 03/14/2016	- 1 -	ND ug/L	.08 - -	No -	Qtrly avg- Att 1 Tab 1 & Att 2 Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Nickel, Total 90-Day Mean	01/04/2016 00:00:00 03/14/2016	- 1 -	< 10 ug/L	- - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Oil and Grease 90-Day Mean	01/02/2016 00:00:00 01/02/2016	- 1 -	ND mg/L	1.4 - -	No -	Avg result for qtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Silver, Total 90-Day Mean	01/04/2016 00:00:00 03/14/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	02/01/2016 00:00:00 02/01/2016	- 1 -	DNQ 2 mg/L	2 - 5	No -	Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	01/02/2016 00:00:00 01/02/2016	- 1 -	ND mg/L	2 - -	No -	Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	03/02/2016 00:00:00 03/02/2016	- 1 -	ND mg/L	2 - -	No -	Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_04192016.zip
M-001H	- -	- water	Zinc, Total 90-Day Mean	01/04/2016 00:00:00 03/14/2016	- 1 -	= 11 ug/L	- - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Cadmium, Total 90-Day Mean	01/06/2016 00:00:00 03/16/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Chromium (Total) 90-Day Mean	01/06/2016 00:00:00 03/16/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Copper, Total 90-Day Mean	01/06/2016 00:00:00 03/16/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Lead, Total 90-Day Mean	01/06/2016 00:00:00 03/16/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Mercury, Total 90-Day Mean	01/06/2016 00:00:00 03/16/2016	- 1 -	ND ug/L	.08 - -	No -	Qtrly avg- Att 1 Tab 1 & Att 2 Contract Lab Report	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Nickel, Total 90-Day Mean	01/06/2016 00:00:00 03/16/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Oil and Grease 90-Day Mean	01/06/2016 00:00:00 01/31/2016	- 1 -	ND mg/L	1.4 - -	No -	Avg result for qtrly samples. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Silver, Total 90-Day Mean	01/06/2016 00:00:00 03/16/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	01/06/2016 00:00:00 01/06/2016	- 1 -	ND mg/L	2 - -	No -	Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	02/01/2016 00:00:00 02/01/2016	- 1 -	ND mg/L	2 - -	No -	Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-001L	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	03/01/2016 00:00:00 03/01/2016	- 1 -	ND mg/L	2 - -	No -	Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_04192016.zip
M-001L	- -	- water	Zinc, Total 90-Day Mean	01/06/2016 00:00:00 03/16/2016	- 1 -	ND ug/L	5 - -	No -	Avg of qtrly composites. See Att 1, Tab 1	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Oil and Grease 30-Day Avg of Daily Avgs	01/06/2016 00:00:00 01/26/2016	- 1 -	DNQ 0.66 mg/L	.24 - 5	No -	Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Oil and Grease 30-Day Avg of Daily Avgs	02/02/2016 00:00:00 02/23/2016	- 1 -	DNQ 0.7 mg/L	.24 - 5	No -	Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Oil and Grease 30-Day Avg of Daily Avgs	03/01/2016 00:00:00 03/28/2016	- 1 -	DNQ 1.3 mg/L	.24 - 5	No -	Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Settleable Solids 30-Day Average	01/06/2016 00:00:00 01/26/2016	- 1 -	DNQ 0.1 ml/L	.1 - .1	No -	Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Settleable Solids 30-Day Average	02/02/2016 00:00:00 02/23/2016	- 1 -	DNQ 0.1 ml/L	.1 - .1	No -	Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Settleable Solids 30-Day Average	03/01/2016 00:00:00 03/28/2016	- 1 -	DNQ 0.1 ml/L	.1 - .1	No -	Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	01/06/2016 00:00:00 01/26/2016	- 1 -	= 8 mg/L	- - -	No -	Monthly avg - Att 1 Tab 8 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	02/02/2016 00:00:00 02/23/2016	- 1 -	= 6 mg/L	- - -	No -	Monthly avg - Att 1 Tab 9 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001N	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	03/01/2016 00:00:00 03/28/2016	- 1 -	= 14 mg/L	- - -	No -	Monthly avg - Att 1 Tab 10 & Att 2 Contr. Lab Rpt.	CDF_Analytical_Calculated_04192016.zip
M-001P	- -	- water	pH Daily Average (Mean)	01/05/2016 10:11:00 01/05/2016	- 1 -	= 7.6 SU	- - -	No -	See Attachment #1, Tab 11	CDF_Analytical_Calculated_04192016.zip
M-001P	- -	- water	pH Daily Average (Mean)	02/02/2016 09:52:00 02/02/2016	- 1 -	= 7.6 SU	- - -	No -	See Attachment #1, Tab 12	CDF_Analytical_Calculated_04192016.zip
M-001P	- -	- water	pH Daily Average (Mean)	03/03/2016 14:04:00 03/03/2016	- 1 -	= 7.7 SU	- - -	No -	See Attachment #1, Tab 13	CDF_Analytical_Calculated_04192016.zip
M-001P	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	02/02/2016 00:00:00 02/02/2016	- 1 -	< 5 mg/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_04192016.zip
M-001P	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	03/03/2016 00:00:00 03/03/2016	- 1 -	= 26 mg/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_04192016.zip
M-001P	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	01/05/2016 00:00:00 01/05/2016	- 1 -	DNQ 4 mg/L	2 - 5	No -	Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_04192016.zip
M-003	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	01/12/2016 13:24:00 01/14/2016	- 1 -	= 12 mg/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 11	CDF_Analytical_Calculated_04192016.zip
M-003	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	02/04/2016 12:32:00 02/06/2016	- 1 -	= 18 mg/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 12	CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-003	- -	- water	Total Suspended Solids (TSS) 30-Day Avg of Daily Avgs	03/10/2016 09:25:00 03/10/2016	- 1 -	= 7 mg/L	- - -	No -	Monthly avg result. See Attachment 1, Tab 13	CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Chromium (Total) 90-Day Mean	01/05/2016 00:00:00 03/10/2016	- 1 -	ND ug/L	5 - -	No -	Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Copper, Total 90-Day Mean	01/05/2016 00:00:00 03/10/2016	- 1 -	DNQ 7 ug/L	5 - 10	No -	Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Nickel, Total 90-Day Mean	01/05/2016 00:00:00 03/10/2016	- 1 -	ND ug/L	5 - -	No -	Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/01/2016 00:00:00 01/01/2016	- 1 -	= 56.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/02/2016 00:00:00 01/02/2016	- 1 -	= 57.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/03/2016 00:00:00 01/03/2016	- 1 -	= 57.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/04/2016 00:00:00 01/04/2016	- 1 -	= 57.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/05/2016 00:00:00 01/05/2016	- 1 -	= 57.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/06/2016 00:00:00 01/06/2016	- 1 -	= 57 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/07/2016 00:00:00 01/07/2016	- 1 -	= 57.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/08/2016 00:00:00 01/08/2016	- 1 -	= 57.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/09/2016 00:00:00 01/09/2016	- 1 -	= 57.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/10/2016 00:00:00 01/10/2016	- 1 -	= 57.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/11/2016 00:00:00 01/11/2016	- 1 -	= 57.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/12/2016 00:00:00 01/12/2016	- 1 -	= 57.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/13/2016 00:00:00 01/13/2016	- 1 -	= 57.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/14/2016 00:00:00 01/14/2016	- 1 -	= 57.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/15/2016 00:00:00 01/15/2016	- 1 -	= 57 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-INF	- -	- water	Temperature 24-hour Average	01/16/2016 00:00:00 01/16/2016	- 1 -	= 57 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/17/2016 00:00:00 01/17/2016	- 1 -	= 57.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/18/2016 00:00:00 01/18/2016	- 1 -	= 57.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/19/2016 00:00:00 01/19/2016	- 1 -	= 57.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/20/2016 00:00:00 01/20/2016	- 1 -	= 57.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/21/2016 00:00:00 01/21/2016	- 1 -	= 57.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/22/2016 00:00:00 01/22/2016	- 1 -	= 57.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/23/2016 00:00:00 01/23/2016	- 1 -	= 57.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/24/2016 00:00:00 01/24/2016	- 1 -	= 57.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/25/2016 00:00:00 01/25/2016	- 1 -	= 56.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/26/2016 00:00:00 01/26/2016	- 1 -	= 56.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/27/2016 00:00:00 01/27/2016	- 1 -	= 56.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/28/2016 00:00:00 01/28/2016	- 1 -	= 56.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/29/2016 00:00:00 01/29/2016	- 1 -	= 56.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/30/2016 00:00:00 01/30/2016	- 1 -	= 55.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	01/31/2016 00:00:00 01/31/2016	- 1 -	= 56.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/01/2016 00:00:00 02/01/2016	- 1 -	= 53.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/02/2016 00:00:00 02/02/2016	- 1 -	= 54.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/03/2016 00:00:00 02/03/2016	- 1 -	= 53.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-INF	- -	- water	Temperature 24-hour Average	02/04/2016 00:00:00 02/04/2016	- 1 -	= 54.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/05/2016 00:00:00 02/05/2016	- 1 -	= 54.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/06/2016 00:00:00 02/06/2016	- 1 -	= 55 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/07/2016 00:00:00 02/07/2016	- 1 -	= 54.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/08/2016 00:00:00 02/08/2016	- 1 -	= 55.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/09/2016 00:00:00 02/09/2016	- 1 -	= 55.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/10/2016 00:00:00 02/10/2016	- 1 -	= 55.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/11/2016 00:00:00 02/11/2016	- 1 -	= 55.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/12/2016 00:00:00 02/12/2016	- 1 -	= 56 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/13/2016 00:00:00 02/13/2016	- 1 -	= 56.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/14/2016 00:00:00 02/14/2016	- 1 -	= 56.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/15/2016 00:00:00 02/15/2016	- 1 -	= 56.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/16/2016 00:00:00 02/16/2016	- 1 -	= 56.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/17/2016 00:00:00 02/17/2016	- 1 -	= 57.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/18/2016 00:00:00 02/18/2016	- 1 -	= 57.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/19/2016 00:00:00 02/19/2016	- 1 -	= 57.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/20/2016 00:00:00 02/20/2016	- 1 -	= 57.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/21/2016 00:00:00 02/21/2016	- 1 -	= 56.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/22/2016 00:00:00 02/22/2016	- 1 -	= 56.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-INF	- -	- water	Temperature 24-hour Average	02/23/2016 00:00:00 02/23/2016	- 1 -	= 57.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/24/2016 00:00:00 02/24/2016	- 1 -	= 57.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/25/2016 00:00:00 02/25/2016	- 1 -	= 57.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/26/2016 00:00:00 02/26/2016	- 1 -	= 57.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/27/2016 00:00:00 02/27/2016	- 1 -	= 56.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/28/2016 00:00:00 02/28/2016	- 1 -	= 55.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	02/29/2016 00:00:00 02/29/2016	- 1 -	= 56.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/01/2016 00:00:00 03/01/2016	- 1 -	= 56.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/02/2016 00:00:00 03/02/2016	- 1 -	= 56.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/03/2016 00:00:00 03/03/2016	- 1 -	= 57.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/04/2016 00:00:00 03/04/2016	- 1 -	= 56.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/05/2016 00:00:00 03/05/2016	- 1 -	= 57.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/06/2016 00:00:00 03/06/2016	- 1 -	= 57.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/07/2016 00:00:00 03/07/2016	- 1 -	= 58 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/08/2016 00:00:00 03/08/2016	- 1 -	= 56.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/09/2016 00:00:00 03/09/2016	- 1 -	= 56 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/10/2016 00:00:00 03/10/2016	- 1 -	= 56.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/11/2016 00:00:00 03/11/2016	- 1 -	= 56 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/12/2016 00:00:00 03/12/2016	- 1 -	= 55.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-INF	- -	- water	Temperature 24-hour Average	03/13/2016 00:00:00 03/13/2016	- 1 -	= 55.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/14/2016 00:00:00 03/14/2016	- 1 -	= 55.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/15/2016 00:00:00 03/15/2016	- 1 -	= 53.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/16/2016 00:00:00 03/16/2016	- 1 -	= 54.7 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/17/2016 00:00:00 03/17/2016	- 1 -	= 55.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/18/2016 00:00:00 03/18/2016	- 1 -	= 54.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/19/2016 00:00:00 03/19/2016	- 1 -	= 54.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/20/2016 00:00:00 03/20/2016	- 1 -	= 54.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/21/2016 00:00:00 03/21/2016	- 1 -	= 54.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/22/2016 00:00:00 03/22/2016	- 1 -	= 53.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/23/2016 00:00:00 03/23/2016	- 1 -	= 52.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/24/2016 00:00:00 03/24/2016	- 1 -	= 53.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/25/2016 00:00:00 03/25/2016	- 1 -	= 52.3 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/26/2016 00:00:00 03/26/2016	- 1 -	= 51.6 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/27/2016 00:00:00 03/27/2016	- 1 -	= 50.9 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/28/2016 00:00:00 03/28/2016	- 1 -	= 50.2 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/29/2016 00:00:00 03/29/2016	- 1 -	= 50.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/30/2016 00:00:00 03/30/2016	- 1 -	= 50.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature 24-hour Average	03/31/2016 00:00:00 03/31/2016	- 1 -	= 50.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip

Location	Collection Method, Depth (m)	Sample Type, Matrix	Parameter, Calculation Type	Sample Date, Sample Time, Analysis Date	Field Rep, Lab Rep, Lab Batch	Result, Units	MDL, ML, RL	Review Priority, QA Codes	Comments	Data Source
M-INF	- -	- water	Temperature Daily Maximum	01/31/2016 00:00:00 01/31/2016	- 1 -	= 57.8 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature Daily Maximum	02/29/2016 00:00:00 02/29/2016	- 1 -	= 57.4 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature Daily Maximum	03/31/2016 00:00:00 03/31/2016	- 1 -	= 58 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature Mthly Avg of Daily Avgs	01/31/2016 00:00:00 01/31/2016	- 1 -	= 57.1 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature Mthly Avg of Daily Avgs	02/29/2016 00:00:00 02/29/2016	- 1 -	= 56 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Temperature Mthly Avg of Daily Avgs	03/31/2016 00:00:00 03/31/2016	- 1 -	= 54.5 Degrees F	- - -	No -		CDF_Analytical_Calculated_04192016.zip
M-INF	- -	- water	Zinc, Total 90-Day Mean	01/05/2016 00:00:00 03/10/2016	- 1 -	< 10 ug/L	- - -	No -	Quarterly avg result. See Attachment 1, Tab 1.	CDF_Analytical_Calculated_04192016.zip

Lab Batches
No Lab Batch Data Available / Reported

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 david cortina 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 2016 (due 04/20/2016)

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: david cortina

Title: Chemistry and Environmental Services Manager

Diablo Canyon Power Plant - NPDES Data Worksheets
1st Quarter 2016

	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
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Go To Tab 13	13	Miscellaneous Duplicates - March

Navigation

Miscellaneous Quarterly Average Calculations for Quarterly eSMR

Influent Quarterly Metals Averages

Fill in highlighted cells only. Subsequent cells will be filled in automatically.

10 µg/L is DCPP lab Reporting Limit. 5 µg/L is DCPP lab MDL.

Sample Date	Analysis Date	Lab	Parameter	Results	Result for Average	Daily Average	Numerical Quarterly Average	Reporting Average for Quarter
1/5/2016	2/1/2016	DCPP	Influent Cr	ND(5)	0	0	0.0	ND(5)
2/2/2016	2/11/2016	DCPP	Influent Cr	ND(5)	0	0		
3/10/2016	3/17/2016	DCPP	Influent Cr	ND(5)	0	0		
1/5/2016	2/1/2016	DCPP	Influent Cu	DNQ(7.7)	8	8	7.0	DNQ(7)
2/2/2016	2/11/2016	DCPP	Influent Cu	DNQ(7.2)	7	7		
3/10/2016	3/17/2016	DCPP	Influent Cu	DNQ(6.1)	6	6		
1/5/2016	2/1/2016	DCPP	Influent Ni	ND(5)	0	0	0.0	ND(5)
2/2/2016	2/11/2016	DCPP	Influent Ni	ND(5)	0	0		
3/10/2016	3/17/2016	DCPP	Influent Ni	ND(5)	0	0		
1/5/2016	2/1/2016	DCPP	Influent Zn	DNQ(5.3)	0	0	5.3	<10
2/2/2016	2/11/2016	DCPP	Influent Zn	16.1	16	16		
3/10/2016	3/17/2016	DCPP	Influent Zn	ND(5)	ND(5)	0		

Quarterly Oil and Grease Averages

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

Quarterly 001D LRW Oil and Grease - Refer to Worksheet 5, 6, and 7 for Monthly Average Calculations.

Month	Average O&G	Result for Average	Numerical Quarterly Average	Reporting Average for Quarter
January	ND(1.4)	0.0	2.8	<5.0
February	5.5	5.5		
March	#N/A			

Quarterly Oil and Grease from Other Locations

Sample Date	Analysis Date	Location	Unit	Parameter	Results	Result for Average	Daily Average	Numerical Quarterly Average	Reporting Average for Quarter
1/2/2016	1/13/2016	001H	1	O&G	ND(1.4)	0.0	0.0	0.0	ND(1.4)
1/2/2016	1/13/2016	001H	2	O&G	ND(1.4)	0.0			
1/6/2016	1/27/2016	001L	1	O&G	ND(1.4)	0.0	0.0	0.0	ND(1.4)
1/6/2016	1/27/2016	001L	2	O&G	ND(1.4)	0.0			
1/31/2016	1/31/2016	001L	1	O&G	ND(1.4)	0.0	0.0		

Quarterly Metals Composite Averages

10 µg/L is DCPP lab Reporting Limit. 5 µg/L is DCPP lab MDL.

First Aliquot Date	Last Aliquot Date	Location	Unit	Parameter	Results	Result for Average	Numerical Quarterly Average	Reporting Average for Quarter
1/5/2016	3/14/2016	001H	1	Ag	ND(5)	0	0	ND(5)
1/4/2016	3/14/2016	001H	2	Ag	ND(5)	0		
1/5/2016	3/14/2016	001H	1	Cd	ND(5)	0	0	ND(5)
1/4/2016	3/14/2016	001H	2	Cd	ND(5)	0		
1/5/2016	3/14/2016	001H	1	Cr	18	18	9	<10
1/4/2016	3/14/2016	001H	2	Cr	DNQ(7)	0		
1/5/2016	3/14/2016	001H	1	Cu	47	47	37	37
1/4/2016	3/14/2016	001H	2	Cu	26	26		
1/5/2016	3/14/2016	001H	1	Ni	17	17	9	<10
1/4/2016	3/14/2016	001H	2	Ni	DNQ(9)	0		
1/5/2016	3/14/2016	001H	1	Pb	26	26	23	23
1/4/2016	3/14/2016	001H	2	Pb	19	19		
1/5/2016	3/14/2016	001H	1	Zn	10	10	11	11
1/4/2016	3/14/2016	001H	2	Zn	12	12		
1/5/2016	3/14/2016	001H	1	Hg	ND(0.080)	0	0	ND(0.080)
1/4/2016	3/14/2016	001H	2	Hg	ND(0.080)	0		
1/6/2016	3/16/2016	001L	1	Ag	ND(5)	0	0	ND(5)
1/6/2016	3/16/2016	001L	2	Ag	ND(5)	0		
1/6/2016	3/16/2016	001L	1	Cd	ND(5)	0	0	ND(5)
1/6/2016	3/16/2016	001L	2	Cd	ND(5)	0		
1/6/2016	3/16/2016	001L	1	Cr	ND(5)	0	0	ND(5)
1/6/2016	3/16/2016	001L	2	Cr	ND(5)	0		
1/6/2016	3/16/2016	001L	1	Cu	ND(5)	0	0	ND(5)
1/6/2016	3/16/2016	001L	2	Cu	ND(5)	0		
1/6/2016	3/16/2016	001L	1	Ni	ND(5)	0	0	ND(5)
1/6/2016	3/16/2016	001L	2	Ni	ND(5)	0		
1/6/2016	3/16/2016	001L	1	Pb	ND(5)	0	0	ND(5)
1/6/2016	3/16/2016	001L	2	Pb	ND(5)	0		
1/6/2016	3/16/2016	001L	1	Zn	ND(5)	0	0	ND(5)
1/6/2016	3/16/2016	001L	2	Zn	ND(5)	0		
1/6/2016	3/16/2016	001L	1	Hg	ND(0.080)	0	0	ND(0.080)
1/6/2016	3/16/2016	001L	2	Hg	ND(0.080)	0		

	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		**1/1/2016**	**1/2/2016**	**1/3/2016**	**1/4/2016**	**1/5/2016**	**1/6/2016**	**1/7/2016**	**1/8/2016**	**1/9/2016**	**1/10/2016**	**1/11/2016**	**1/12/2016**	**1/13/2016**	**1/14/2016**	**1/15/2016**
8	**Unit 1 TRC (ppb)**	33	28	21	18	19	19	12	13	18	15	19	23	19	19	33
9		33	28	21	23	21	16	<10	13	21	18	18	15	19	25	18
10		33	25	21	19	18	15	10	13	19	21	18	15	19	21	21
11		28	25	19	21	18	18	12	21	16	15	18	<10	40	no injection	21
12		28	28	19	19	18	16	11	16	18	16	19	23	19	no injection	23
13		25	19	19	18	16	13	<10	19	19	16	19	19	21	no injection	23
14	**Unit 1 Cl2 Use (lbs)**	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	316.8	302.4	302.4	151.2	302.4
15	**Unit 2 TRC (ppb)**	43	33	27	25	22	25	36	19	27	22	30	25	27	30	30
16		39	33	27	27	21	22	30	39	25	30	27	25	27	33	36
17		39	30	27	22	21	22	27	33	25	27	33	25	30	36	36
18		33	30	25	25	39	36	27	33	27	30	27	25	30	no injection	33
19		33	30	25	25	25	36	25	21	30	27	27	30	33	no injection	36
20		33	30	25	25	22	36	27	25	27	30	30	30	33	36	39
21	**Unit 2 Cl2 Use (lbs)**	360.0	360.0	360.0	360.0	360.0	360.0	360.0	360.0	360.0	360.0	345.6	331.2	331.2	220.8	331.2
22																
23		33	28	21	23	21	19	12	21	21	21	19	23	40	25	33
24		43	33	27	27	39	36	36	39	30	30	33	30	33	36	39
25	**Daily Maximum TRC (ppb)**	**43**	**33**	**27**	**27**	**39**	**36**	**36**	**39**	**30**	**30**	**33**	**30**	**40**	**36**	**39**
26	**Daily Cl2 Use (lbs)**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**691**	**662**	**634**	**634**	**372**	**634**
27																
28																
29																
30																
31																
32																
33																
34																
35																

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1																	
2																	
3																	
4																	
5																	
6																	
7	**1/16/2016**	**1/17/2016**	**1/18/2016**	**1/19/2016**	**1/20/2016**	**1/21/2016**	**1/22/2016**	**1/23/2016**	**1/24/2016**	**1/25/2016**	**1/26/2016**	**1/27/2016**	**1/28/2016**	**1/29/2016**	**1/30/2016**	**1/31/2016**	
8	23	19	13	13	12	10	12	12	19	17	21	13	15	16	25	16	
9	23	19	13	16	12	15	12	11	16	16	18	16	13	15	19	18	
10	21	16	15	15	10	12	10	11	25	17	19	15	13	11	15	16	
11	19	18	15	12	10	12	13	13	13	18	15	15	18	16	13	15	
12	19	19	19	11	12	15	16	18	18	18	16	19	18	16	15	16	
13	21	18	18	10	10	10	13	13	16	19	16	15	15	31	15	15	
14	302.4	302.4	302.4	295.2	288	288	288	288	288	288	288	288	288	288	288	288	
15	36	30	27	30	22	27	27	27	22	28	27	25	30	22	33	22	
16	36	33	22	30	21	22	22	25	22	28	25	30	30	19	21	27	
17	33	27	27	25	22	22	21	25	22	28	30	27	30	27	21	25	
18	33	27	22	22	25	30	27	25	27	22	30	27	25	21	33	22	
19	36	30	19	25	27	27	30	27	31	25	27	27	22	21	25	25	
20	33	27	25	22	25	25	33	25	28	25	27	27	22	25	22	25	
21	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	
22																	
23	23	19	19	16	12	15	16	18	25	19	21	19	18	31	25	18	
24	36	33	27	30	27	30	33	27	31	28	30	30	30	27	33	27	
25	**36**	**33**	**27**	**30**	**27**	**30**	**33**	**27**	**31**	**28**	**30**	**30**	**30**	**31**	**33**	**27**	
26	**634**	**634**	**634**	**626**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	
27														**Chlorine**		**(lbs/day)**	
28														**Monthly Average**	**32**	**639**	
29								**MONTHLY CHLORINE USE:**		**19,805**	**lbs.**			**Maximum**	**43**	**691**	
30														**Minimum**	**27**	**372**	
31														**Verify that values have correct references.**			
32											02/05/16 -- Verified that all calcs end at column AF for 31 day month -- cdg2						
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		**2/1/2016**	**2/2/2016**	**2/3/2016**	**2/4/2016**	**2/5/2016**	**2/6/2016**	**2/7/2016**	**2/8/2016**	**2/9/2016**	**2/10/2016**	**2/11/2016**	**2/12/2016**	**2/13/2016**	**2/14/2016**	**2/15/2016**
8	**Unit 1 TRC (ppb)**	15	23	15	23	25	19	21	21	18	16	15	no injection	11	15	16
9		18	23	19	21	23	31	23	18	18	16	15	no injection	11	15	15
10		18	18	16	21	25	23	23	16	18	16	15	no injection	15	15	12
11		19	13	19	25	23	23	21	21	19	18	19	no injection	16	16	16
12		23	16	25	23	21	25	21	21	18	18	13	no injection	16	23	13
13		21	15	23	25	25	23	18	21	18	15	18	no injection	16	16	11
14	**Unit 1 Cl2 Use (lbs)**	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	0.0	288.0	288.0	288.0
15	**Unit 2 TRC (ppb)**	22	30	27	39	43	39	43	36	33	33	30	no injection	25	27	27
16		27	30	25	36	39	43	39	33	30	33	30	no injection	25	27	27
17		25	27	27	36	43	36	39	30	33	30	22	no injection	27	27	25
18		27	27	39	39	43	39	39	33	36	30	25	no injection	30	30	27
19		30	25	36	36	39	43	36	36	33	30	30	no injection	30	33	22
20		30	25	39	36	39	39	39	33	33	27	30	no injection	30	33	22
21	**Unit 2 Cl2 Use (lbs)**	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	0.0	331.2	331.2	331.2
22																
23		23	23	25	25	25	31	23	21	19	18	19	0	16	23	16
24		30	30	39	39	43	43	43	36	36	33	30	0	30	33	27
25	**Daily Maximum TRC (ppb)**	**30**	**30**	**39**	**39**	**43**	**43**	**43**	**36**	**36**	**33**	**30**	**0**	**30**	**33**	**27**
26	**Daily Cl2 Use (lbs)**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**0**	**619**	**619**	**619**
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	**2/16/2016**	**2/17/2016**	**2/18/2016**	**2/19/2016**	**2/20/2016**	**2/21/2016**	**2/22/2016**	**2/23/2016**	**2/24/2016**	**2/25/2016**	**2/26/2016**	**2/27/2016**	**2/28/2016**	**2/29/2016**			
8	13	<10	10	15	16	16	15	15	12	16	13	16	18	16	#N/A	#N/A	
9	13	<10	11	13	15	16	10	15	16	15	16	18	16	16	#N/A	#N/A	
10	11	<10	12	13	12	13	11	16	15	15	15	16	18	16	#N/A	#N/A	
11	11	10	16	18	12	13	11	11	16	16	13	19	16	15	#N/A	#N/A	
12	<10	12	13	15	16	16	23	16	15	19	15	16	19	13	#N/A	#N/A	
13	<10	<10	15	16	13	13	16	16	15	15	11	15	19	12	#N/A	#N/A	
14	288.0	288.0	288.0	288.0	288.0	288.6	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	#N/A	#N/A	
15	27	22	21	21	21	22	22	27	30	25	22	25	27	27	#N/A	#N/A	
16	25	21	19	25	19	19	22	27	27	27	25	25	30	30	#N/A	#N/A	
17	27	21	19	21	19	21	21	27	25	25	25	22	30	27	#N/A	#N/A	
18	22	22	25	21	19	21	22	27	25	25	21	25	25	22	#N/A	#N/A	
19	21	21	25	25	21	21	30	27	22	25	21	25	27	22	#N/A	#N/A	
20	21	22	21	21	22	22	30	30	25	25	22	27	27	22	#N/A	#N/A	
21	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	#N/A	#N/A	
22																	
23	13	12	16	18	16	16	23	16	16	19	16	19	19	16	#N/A	#N/A	
24	27	22	25	25	22	22	30	30	30	27	25	27	30	30	#N/A	#N/A	
25	**27**	**22**	**25**	**25**	**22**	**22**	**30**	**30**	**30**	**27**	**25**	**27**	**30**	**30**	**#N/A**	**#N/A**	
26	**619**	**619**	**619**	**619**	**619**	**620**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**619**	**#N/A**	**#N/A**	
27														**Chlorine**	**(ppb)**	**(lbs/day)**	
28														**Monthly Average**	**30**	**598**	
29									**MONTHLY CHLORINE USE:**	**17,338**	**lbs.**			**Maximum**	**43**	**620**	
30														**Minimum**	**0**	**0**	
31														**Verify that values have correct references.**			
32											02/29/16 -- Verfied that all calcs end at column AD for 29-day month -- cdg2						
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		**3/1/2016**	**3/2/2016**	**3/3/2016**	**3/4/2016**	**3/5/2016**	**3/6/2016**	**3/7/2016**	**3/8/2016**	**3/9/2016**	**3/10/2016**	**3/11/2016**	**3/12/2016**	**3/13/2016**	**3/14/2016**	**3/15/2016**
8	**Unit 1 TRC (ppb)**	15	21	22	22	22	17	17	20	20	24	22	22	22	24	22
9		15	18	22	24	20	17	15	22	27	24	22	24	22	24	22
10		15	18	20	22	20	18	17	18	22	22	22	24	22	24	22
11		18	22	22	22	18	18	20	20	20	20	22	22	22	24	35
12		19	18	20	22	18	18	18	22	20	20	22	22	22	22	42
13		19	20	22	27	17	17	22	20	22	20	22	22	22	22	32
14	**Unit 1 Cl2 Use (lbs)**	302.4	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
15	**Unit 2 TRC (ppb)**	25	22	22	22	25	17	17	21	22	27	27	27	25	25	25
16		25	21	22	22	22	19	17	27	25	27	27	27	27	27	25
17		22	21	21	21	22	17	17	25	22	25	22	27	30	27	27
18		22	21	22	25	17	19	19	22	27	22	25	27	27	27	33
19		22	21	22	25	19	17	19	21	27	25	25	25	25	27	30
20		25	21	22	25	17	17	17	22	25	25	27	33	25	27	33
21	**Unit 2 Cl2 Use (lbs)**	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2
22																
23		19	22	22	27	22	18	22	22	27	24	22	24	22	24	42
24		25	22	22	25	25	19	19	27	27	27	27	33	30	27	33
25	**Daily Maximum TRC (ppb)**	**25**	**22**	**22**	**27**	**25**	**19**	**22**	**27**	**27**	**27**	**27**	**33**	**30**	**27**	**42**
26	**Daily Cl2 Use (lbs)**	**634**	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**648**	**648**
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	**3/16/2016**	**3/17/2016**	**3/18/2016**	**3/19/2016**	**3/20/2016**	**3/21/2016**	**3/22/2016**	**3/23/2016**	**3/24/2016**	**3/25/2016**	**3/26/2016**	**3/27/2016**	**3/28/2016**	**3/29/2016**	**3/30/2016**	**3/31/2016**	
8	32	43	42	42	42	39	39	35	27	27	27	27	29	29	32	35	
9	35	43	42	42	39	39	35	35	27	27	24	27	29	51	32	32	
10	32	36	39	42	39	39	32	35	29	24	24	29	29	29	32	39	
11	29	39	42	39	35	32	35	22	22	27	39	38	29	32	32	39	
12	39	47	42	42	35	32	32	27	27	29	27	29	32	32	27	35	
13	42	35	47	39	39	35	35	29	27	27	29	29	32	32	32	39	
14	316.8	302.4	288.0	288.0	288.0	273.6	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	259.2	
15	33	36	30	33	30	25	25	22	27	27	30	27	30	30	30	43	
16	36	33	30	33	30	25	27	25	30	30	30	30	30	33	30	39	
17	36	26	30	30	27	27	27	25	30	25	27	27	30	36	30	43	
18	33	30	30	27	25	27	25	30	27	30	27	30	30	30	39	36	
19	36	33	30	27	27	22	21	30	30	30	30	30	30	33	36	36	
20	33	30	33	27	25	22	22	25	27	25	27	30	33	33	43	36	
21	331.2	324.0	316.8	316.8	316.8	302.4	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	288.0	273.6	
22																	
23	42	47	47	42	42	39	39	35	29	29	39	38	32	51	32	39	
24	36	36	33	33	30	27	27	30	30	30	30	30	33	36	43	43	
25	**42**	**47**	**47**	**42**	**42**	**39**	**39**	**35**	**30**	**30**	**39**	**38**	**33**	**51**	**43**	**43**	
26	**648**	**626**	**605**	**605**	**605**	**576**	**547**	**547**	**547**	**547**	**547**	**547**	**547**	**547**	**547**	**533**	
27														**Chlorine**	**(ppb)**	**(lbs/day)**	
28														**Monthly Average**	**34**	**607**	
29								**MONTHLY CHLORINE USE:**		**18,828**	**lbs.**			**Maximum**	**51**	**648**	
30														**Minimum**	**19**	**533**	
31														**Verify that values have correct references.**			
32											02/05/16 -- Verfifed that all calcs end at column AF for a 31-day month -- cdg2						
33																	
34																	
35																	

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	1	PWR 0-2	8,774	1/6/2016 9:49	O	0.1	#N/A	ND(2)	0		0.25	0.00
LRW	2	LDT 0-1	15,098	1/7/2016 9:09	O	0.7	#N/A	ND(2)	0		0.43	0.00
LRW		LDT 0-1 dup				0.6	#N/A	ND(2)				
LRW	3	PWR 0-1		1/12/2016 12:00	O					9,780		
LRW	5	FDR 0-1	10,787	1/13/2016 9:28	O	1.5	#N/A	DNQ(1.5)	0		0.31	0.00
LRW	4	LDT 0-2		1/14/2016 8:32	O					15,428		
LRW	6	PWR 0-2		1/19/2016 9:50	O					9,637		
LRW	8	PWR 0-1		1/26/2016 9:40	O					9,924		
LRW	9	PWR 0-2		1/27/2016 9:10	O					9,780		
LRW	10	CDT 0-2	522	1/28/2016 7:00	O	32.1	0.0	32.1	30.6		0.01	0.45
LRW		CDT 0-2 dup				29.0	0.0	29.0				
LRW	7	LDT 0-1		1/28/2016 9:42	O					15,011		
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												

total volume of sampled tanks: 35,181

total sum of volume weights: 1.00

Monthly LRW TSS Average
0.45
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	1	PWR 0-2	8,774	1/6/2016 9:49	O	ND(1.4)	0.0	0.25	0.00
LRW	2	LDT 0-1	15,098	1/7/2016 9:09	O	ND(1.4)	0.0	0.43	0.00
LRW	5	FDR 0-1	10,787	1/13/2016 9:28	O	ND(1.4)	0.0	0.31	0.00
LRW	10	CDT 0-2	522	1/28/2016 7:00	O	ND(1.4)	0.0	0.01	0.00
LRW									
LRW									
LRW									
LRW									
LRW									

total volume of sampled tanks: 35,181

total sum of volume weights: 1.00

Monthly O&G Average
0.0
Use ND(1.4) for this Month in Quarterly Average
Refer to Tab 1 - Miscellaneous Quarterly Average Calculations

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	12	FDR 0-1	10,499	2/2/2016 10:10	O	4.4	#N/A	DNQ(4.4)	4.5		0.30	1.36
LRW		FDR 0-1 dup				4.5	#N/A	4.5				
LRW	11	CDT 0-1	166	2/2/2016 15:12	O	93.0	3.0	90.0	91.2		0.00	0.43
LRW		CDT 0-1 dup				94.5	2.2	92.3				
LRW	13	LDT 0-2		2/3/2016 9:40	O					14,220		
LRW	15	FDR 0-1		2/9/2016 10:44	O					8,917		
LRW	14	LDT 0-1	13,487	2/10/2016 11:00	O	0.2	#N/A	ND(2)	0.0		0.39	0.00
LRW		LDT 0-1 dup				0.1	#N/A	ND(2)				
LRW	17	CDT 0-2	174	2/11/2016 14:07	O	76.0	0.0	76.0	72.5		0.00	0.36
LRW		CDT 0-2 dup				69.0	0.0	69.0				
LRW	16	PWR 0-1	10,499	2/16/2016 9:47	O	0.0	#N/A	ND(2)	0.0		0.30	0.00
LRW	18	PWR 0-2		2/25/2016 9:45	O					7,074		
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												

total volume of sampled tanks: 34,825

total sum of volume weights: 1.00

Monthly LRW TSS Average
2.15

Report < 5 to Reflect CDT 0-1 and 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	11	CDT 0-1	166	2/2/2016 15:12	O	11.3	11.3	0.49	5.52
LRW	17	CDT 0-2	174	2/11/2016 14:07	O	DNQ(3.1)	0.0	0.51	0.00
LRW									
LRW									
LRW									
LRW									
LRW									
LRW									
LRW									

total volume of sampled tanks: 340

total sum of volume weights: 1.00

Monthly O&G Average
5.5

Use 5.5 mg/L for this Month in Quarterly Average
Refer to Tab 1 - Miscellaneous Quarterly Average Calculations

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	19	PWR 0-2	576	3/7/16 13:45	O	0.0	#N/A	ND(2)	0		0.054	0.00
LRW	20	PWR 0-2		3/8/16 7:20	O					7,767		
LRW	21	LDT 0-2	10,185	3/9/16 14:00	O	0.4	#N/A	ND(2)	0		0.946	0.00
LRW		LDT 0-2 dup				0.3	#N/A	ND(2)				
LRW	22	PWR 0-2		3/21/16 8:46	O					9,349		
LRW	23	LDT 0-1		3/22/16 10:45	O					15,054		
LRW	24	PWR 0-2		3/23/16 9:12	O					9,061		
LRW	25	LDT 0-2		3/24/16 9:50	O					15,181		
LRW	26	PWR 0-1		3/28/16 8:52	O					11,506		
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
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LRW												
LRW												
LRW												
LRW												
LRW												
LRW												
LRW												

total volume of sampled tanks:	10,761	total sum of volume weights:	1.00	Monthly LRW TSS Average
				0.00

Report ND(2)

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			No Samples from Tanks Discharged in March 2016						
LRW									
LRW									
LRW									
LRW									
LRW									
LRW									
LRW									
LRW									

total volume of sampled tanks:	0	total sum of volume weights:	0.00	Monthly O&G Average
				0.0

Use #N/A for this Month in Quarterly Average

Refer to Tab 1 - Miscellaneous Quarterly Average Calculations

	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 for O&G**						
10								
11		**Oil and Grease (mg/L)**						
12								
13								
14		**Date**	**Result**	**Numerical Daily Average**	**Average Qualifier**	**Results for Monthly Average**	**Report Monthly Average**	
15		1/6/2016	ND(0.24)	0.00	ND	0.00	0.66	
16		1/6/2016	ND(0.24)				Report DNQ(0.7)	
17		1/6/2016	ND(0.24)					
18		1/11/2016	DNQ(0.30)	0.33	DNQ	0.33	**Daily Maximum**	
19		1/11/2016	DNQ(0.40)				1.5	
20		1/11/2016	DNQ(0.30)					
21		1/21/2016	DNQ(1.1)	1.53	DNQ	1.53		
22		1/21/2016	DNQ(1.3)					
23		1/21/2016	DNQ(2.2)					
24		1/26/2016	DNQ(0.69)	0.76	DNQ	0.76		
25		1/26/2016	DNQ(0.50)					
26		1/26/2016	DNQ(1.1)					
27								
28								
29								
30								
31								
32		**Total Suspended Solids (mg/L)**						
33								
34		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
35		1/6/2016	8	8	8			
36		1/11/2016	3	3				
37		1/21/2016	18	18	**Daily Maximum**			
38		1/26/2016	3	3	18			
39								
40								
41								
42		**Settleable Solids (ml/L)**						
43								
44		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
45		1/6/2016	DNQ(0.1)	0.0	0.0			
46		1/11/2016	DNQ(0.1)	0.0	Report DNQ(0.1)			
47		1/21/2016	DNQ(0.1)	0.0				
48		1/26/2016	DNQ(0.1)	0.0	**Daily Maximum**			
49					0.0			
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 for O&G.**						
10								
11		**Oil and Grease (mg/L)**						
12								
13								
14		**Date**	**Result**	**Numerical Daily Average**	**Average Qualifier**	**Results for Monthly Average**	**Report Monthly Average**	
15		2/2/2016	DNQ(0.59)	0.63	DNQ	0.63	0.70	
16		2/2/2016	DNQ(0.59)				Reporting DNQ (0.7)	
17		2/2/2016	DNQ(0.70)					
18		2/8/2016	DNQ(0.81)	0.67	DNQ	0.67	**Daily Maximum**	
19		2/8/2016	DNQ(0.50)				0.8	
20		2/8/2016	DNQ(0.70)					
21		2/16/2016	DNQ(0.50)	0.76	DNQ	0.76		
22		2/16/2016	DNQ(0.68)					
23		2/16/2016	DNQ(1.1)					
24		2/23/2016	DNQ(0.89)	0.72	DNQ	0.72		
25		2/23/2016	DNQ(0.40)					
26		2/23/2016	DNQ(0.88)					
27								
28								
29								
30								
31								
32		**Total Suspended Solids (mg/L)**						
33								
34		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
35		2/2/2016	5	5	6			
36		2/8/2016	4	4				
37		2/16/2016	8	8	**Daily Maximum**			
38		2/23/2016	6	6	8			
39								
40								
41								
42		**Settleable Solids (ml/L)**						
43								
44		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
45		2/2/2016	DNQ(0.1)	0.0	0.0			
46		2/8/2016	DNQ(0.1)	0.0	Report DNQ(0.1)			
47		2/16/2016	DNQ(0.1)	0.0	**Daily Maximum**			
48		2/23/2016	DNQ(0.1)	0.0	0.0			
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								
13								
14		**Date**	**Result**	**Numerical Daily Average**	**Average Qualifier**	**Results for Monthly Average**	**Report Monthly Average**	
15		3/1/2015	DNQ(1.2)	1.20	DNQ	1.3	1.3	
16		3/1/2015	DNQ(1.5)	1.50			Report DNQ(1.3)	
17		3/1/2015	DNQ(1.1)	1.10				
18		3/10/2016	DNQ(0.98)	0.98	DNQ	0.9	**Daily Maximum**	
19		3/10/2016	DNQ(0.98	0.98			2.1	
20		3/10/2016	DNQ(0.69)	0.69				
21		3/15/2016	DNQ(1.4)	1.40	DNQ	2.1		
22		3/15/2016	DNQ(1.9)	1.90				
23		3/15/2016	DNQ(3.1)	3.10				
24		3/23/2016	DNQ(1.6)	1.60	DNQ	1.3		
25		3/23/2016	DNQ(0.80)	0.80				
26		3/23/2016	DNQ(1.6)	1.60				
27		3/28/2016	DNQ(0.60)	0.60	DNQ	0.7		
28		3/28/2016	DNQ(0.70)	0.70				
29		3/28/2016	DNQ(0.88)	0.88				
30								
31								
32		**Total Suspended Solids (mg/L)**						
33								
34		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
35		3/1/2015	19	19	14			
36		3/10/2016	8	8				
37		3/15/2016	26	26	**Daily Maximum**			
38		3/23/2016	16	16	26			
39		3/28/2016	3	3				
40								
41								
42		**Settleable Solids (ml/L)**						
43								
44		**Date**	**Result**	**Numerical Result**	**Monthly Average**			
45		3/1/2015	DNQ(0.1)	0.0	DNQ(0.1)			
46		3/10/2016	DNQ(0.1)	0.0				
47		3/15/2016	DNQ(0.1)	0.0	**Daily Maximum**			
48		3/23/2016	DNQ(0.1)	0.0	0.0			
49		3/28/2016	DNQ(0.1)	0.0				
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
1/5/2016	10:11	1/5/2016	001P	N/A	pH	7.59	7.6
1/5/2016	10:11	1/5/2016	001P	N/A	pH	7.58	

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
1/5/2016	7:08	1/5/2016	001F	N/A	4.7	0.0	4.7	4.7	2.4	2.4	<5
1/5/2016	7:08	1/5/2016	001F	N/A	3.9	0.3	DNQ(3.6)	0.0			
1/2/2016	5:45	1/2/2016	001H	1	1.2	0.5	ND(2)	0.0	0.0	0.0	ND(2)
1/2/2016	15:05	1/2/2016	001H	2	0.0	0.0	ND(2)	0.0			
1/6/2016	7:07	1/6/2016	001L	1	0.6	#N/A	ND(2)	0.0	0.0	0.0	ND(2)
1/6/2016	7:12	1/6/2016	001L	2	0.0	#N/A	ND(2)	0.0			
1/5/2016	7:52	1/5/2016	001P	N/A	5.0	1.0	DNQ(4.0)	4.0	3.6	3.6	DNQ(4)
1/5/2016	10:11	1/5/2016	001P	N/A	4.8	2.2	DNQ(2.6)	2.6			
1/5/2016	13:21	1/5/2016	001P	N/A	4.3	0.1	DNQ(4.2)	4.2			
1/12/2016	13:24	1/14/2016	003	N/A	13	0.0	13.0	13.0	11.7	11.7	12
1/12/2016	13:24	1/14/2016	003	N/A	10.3	0.0	10.3	10.3			

Miscellaneous Daily Duplicate/Average and Monthly Average Calculations for eSMR

Duplicate pH Averages

Date	Time	Analysis Date	Location	Unit	Parameter	Result	Average
2/2/2016	9:52	2/2/2016	001P	N/A	pH	7.62	7.6
2/2/2016	9:52	2/2/2016	001P	N/A	pH	7.65	

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
2/1/2016	12:28	2/1/2016	001F	N/A	4.8	1.3	DNQ(3.5)	3.5	3.7	3.7	DNQ(4)
2/1/2016	12:28	2/1/2016	001F	N/A	4.0	0.1	DNQ(3.9)	3.9			
2/1/2016	3:10	2/1/2016	001H	1	2.9	0.0	DNQ(2.9)	2.9	1.5	1.5	DNQ(2)
2/1/2016	13:36	2/1/2016	001H	2	0.2	0.2	ND(2)	0.0			
2/1/2016	14:40	2/1/2016	001L	1	0.0	#N/A	ND(2)	0.0	0.0	0.0	ND(2)
2/1/2016	14:45	2/1/2016	001L	2	0.0	#N/A	ND(2)	0.0			
2/2/2016	7:38	2/2/2016	001P	N/A	7.3	0.0	7.3	7.3	4.2	4.2	<5
2/2/2016	9:52	2/2/2016	001P	N/A	2.2	0.9	ND(2)	0.0			
2/2/2016	13:11	2/2/2016	001P	N/A	5.7	0.3	5.4	5.4			
2/4/2016	12:32	2/6/2016	003	N/A	23.6	6.5	17.1	17.1	18.0	18.0	18
2/4/2016	12:32	2/6/2016	003	N/A	25.6	6.7	18.9	18.9			

Miscellaneous Daily Duplicate/Average and Monthly Average Calculations for eSMR

Duplicate pH Averages

Date	Time	Analysis Date	Location	Unit	Parameter	Result	Average
3/3/2016	14:04	3/3/2016	001P	N/A	pH	7.67	7.7
3/3/2016	14:04	3/3/2016	001P	N/A	pH	7.67	

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
3/3/2016	7:00	3/3/2016	001F	N/A	4.0	0.1	DNQ(3.9)	3.9	3.4	3.4	DNQ(3)
3/3/2016	7:00	3/3/2016	001F	N/A	3.2	0.4	DNQ(2.8)	2.8			
3/2/2016	2:20	3/2/2016	001H	1	0.0	0.0	ND(2)	0.0	0.0	0.0	ND(2)
3/2/2016	14:08	3/2/2016	001H	2	0.0	0.0	ND(2)	0.0			
3/1/2016	13:20	3/1/2016	001L	1	0.0	#N/A	ND(2)	0.0	0.0	0.0	ND(2)
3/1/2016	13:30	3/1/2016	001L	2	0.0	#N/A	ND(2)	0.0			
3/3/2016	8:34	3/3/2016	001P	N/A	5.9	0.9	5.0	5.0	25.5	26.0	26
3/3/2016	11:41	3/3/2016	001P	N/A	6.0	0.5	5.5	5.5			
3/3/2016	14:04	3/3/2016	001P	N/A	67.0	1.0	66.0	66.0			
3/10/2016	9:25	3/10/2016	003	N/A	7.1	0.1	7.0	7.0	6.7	6.7	7
3/10/2016	9:25	3/10/2016	003	N/A	6.3	0.0	6.3	6.3			

Diablo Canyon Power Plant
2016 First Quarter Contract Lab Results

PDF Page	Description
2 – 4	001N Oil & Grease – 01/06/2016
5 – 7	001N Oil & Grease – 01/11/2016
8 – 10	001N Oil & Grease – 01/21/2016
11 – 13	001N Oil & Grease – 01/26/2016
14 – 16	001N Oil & Grease – 02/02/2016
17 – 19	001N Oil & Grease – 02/08/2016
20 – 22	001N Oil & Grease – 02/16/2016
23 – 25	001N Oil & Grease – 02/23/2016
26 – 28	001N Oil & Grease – 03/01/2016
29 – 31	001N Oil & Grease – 03/10/2016
32 – 34	001N Oil & Grease – 03/15/2016
35 – 37	001N Oil & Grease – 03/23/2016
38 – 40	001N Oil & Grease – 03/28/2016
41	001N Suspended Solids, Settleable Solids – 01/06/2016
42	001N Suspended Solids, Settleable Solids – 01/11/2016
43	001N Suspended Solids, Settleable Solids – 01/21/2016
44	001N Suspended Solids, Settleable Solids – 01/26/2016
45	001N Suspended Solids, Settleable Solids – 02/02/2016
46	001N Suspended Solids, Settleable Solids – 02/08/2016
47	001N Suspended Solids, Settleable Solids – 02/16/2016
48	001N Suspended Solids, Settleable Solids – 02/23/2016
49	001N Suspended Solids, Settleable Solids – 03/01/2016
50	001N Suspended Solids, Settleable Solids – 03/10/2016
51	001N Suspended Solids, Settleable Solids – 03/15/2016
52	001N Suspended Solids, Settleable Solids – 03/23/2016
53	001N Suspended Solids, Settleable Solids – 03/28/2016
54	001D Mercury – 01/06/2016 to 03/09/2016 Composite 001F Mercury – 01/01/2016 to 01/08/2016 Composite 001H, Unit 1 Mercury – 01/05/2016 to 03/14/2016 Composite 001H, Unit 2 Mercury – 01/04/2016 to 03/14/2016 Composite 001L, Unit 1 Mercury – 01/06/2016 to 03/16/2016 Composite 001L, Unit 2 Mercury – 01/06/2016 to 03/16/2016 Composite
55	001D Metals – 01/06/2016 to 03/09/2016 Composite
56 – 57	Intake, Discharge 001 Ammonia as Nitrogen – 01/12/2016
58 – 62	Discharge 001 Acute Toxicity Test – 02/23/2016
63 – 79	Discharge 001 Chronic Toxicity Test – 02/23/2016

BSK Associates Engineers & Laboratories

A6A0505

Main Project - e COC Trace (MDLs)

16-0104 DCWWTP

Certificate of Analysis

Sample ID: A6A0505-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/06/16 - 09:51
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	A600334	01/12/16	01/13/16	

BSK Associates Engineers & Laboratories

A6A0505

Main Project - e COC Trace (MDLs)

16-0104 DCWWTP

Certificate of Analysis

Sample ID: A6A0505-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/06/16 - 10:03
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	A600334	01/12/16	01/13/16	

BSK Associates
Engineers & Laboratories

A6A0505

Main Project - e COC Trace (MDLs)

16-0104 DCWWTP

Certificate of Analysis

Sample ID: A6A0505-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/06/16 - 10:15
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	A600334	01/12/16	01/13/16	

BSK Associates Engineers & Laboratories

A6A0852

Main Project - e COC Trace (MDLs)

16-0202 DCWWTP

Certificate of Analysis

Sample ID: A6A0852-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/11/16 - 10:02
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	A600619	01/18/16	01/19/16	J

BSK Associates
Engineers & Laboratories

A6A0852

Main Project - e COC Trace (MDLs)

16-0202 DCWWTP

Certificate of Analysis

Sample ID: A6A0852-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/11/16 - 10:12
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	**0.40**	0.24	5.0	mg/L	1	A600619	01/18/16	01/19/16	J

BSK Associates
Engineers & Laboratories

A6A0852

Main Project - e COC Trace (MDLs)

16-0202 DCWWTP

Certificate of Analysis

Sample ID: A6A0852-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/11/16 - 10:22
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	A600619	01/18/16	01/19/16	J

BSK Associates
Engineers & Laboratories

A6A1810

Main Project - e COC Trace (MDLs)

16-0435 DCWWTP

Certificate of Analysis

Sample ID: A6A1810-01
Sampled By: Client
Sample Description: Decant Arm // If results are >20mg/L, run PHC test

Sample Date - Time: 01/21/16 - 11:14
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	1.1	0.24	5.0	mg/L	1	A601097	01/29/16	01/30/16	J

BSK Associates Engineers & Laboratories

A6A1810

Main Project - e COC Trace (MDLs)

16-0435 DCWWTP

Certificate of Analysis

Sample ID: A6A1810-02
Sampled By: Client
Sample Description: Decant Arm // If results are >20mg/L, run PHC test

Sample Date - Time: 01/21/16 - 11:38
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	**1.3**	0.24	5.0	mg/L	1	A601097	01/29/16	01/30/16	J

BSK Associates
Engineers & Laboratories

A6A1810

Main Project - e COC Trace (MDLs)

16-0435 DCWWTP

Certificate of Analysis

Sample ID: A6A1810-03
Sampled By: Client
Sample Description: Decant Arm // If results are >20mg/L, run PHC test

Sample Date - Time: 01/21/16 - 12:08
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	**2.2**	0.24	5.0	mg/L	1	A601097	01/29/16	01/30/16	J

BSK Associates
Engineers & Laboratories

A6A2119

Main Project - e COC Trace (MDLs)

16-0501 DCWWTP

Certificate of Analysis

Sample ID: A6A2119-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/26/16 - 08:20
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	**0.69**	0.24	5.0	mg/L	1	A601097	01/29/16	01/30/16	J

BSK Associates
Engineers & Laboratories

A6A2119

Main Project - e COC Trace (MDLs)

16-0501 DCWWTP

Certificate of Analysis

Sample ID: A6A2119-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/26/16 - 08:31
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	**0.50**	0.24	5.0	mg/L	1	A601097	01/29/16	01/30/16	J

BSK Associates
Engineers & Laboratories

A6A2119

Main Project - e COC Trace (MDLs)

16-0501 DCWWTP

Certificate of Analysis

Sample ID: A6A2119-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 01/26/16 - 08:46
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	1.1	0.24	5.0	mg/L	1	A601097	01/29/16	01/30/16	J

BSK Associates
Engineers & Laboratories

A6B0248

Main Project - e COC Trace (MDLs)

16-0635 DCWWTP

Certificate of Analysis

Sample ID: A6B0248-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/02/16 - 08:17
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	**0.59**	0.24	5.0	mg/L	1	A601441	02/08/16	02/09/16	J

BSK Associates
Engineers & Laboratories

A6B0248

Main Project - e COC Trace (MDLs)

16-0635 DCWWTP

Certificate of Analysis

Sample ID: A6B0248-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/02/16 - 08:28
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	**0.59**	0.24	5.0	mg/L	1	A601441	02/08/16	02/09/16	J

BSK Associates
Engineers & Laboratories

A6B0248

Main Project - e COC Trace (MDLs)

16-0635 DCWWTP

Certificate of Analysis

Sample ID: A6B0248-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/02/16 - 08:39
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	**0.70**	0.24	5.0	mg/L	1	A601441	02/08/16	02/09/16	J

BSK Associates Engineers & Laboratories

A6B0747

Main Project - e COC Trace (MDLs)

16-0769 DCWWTP

Certificate of Analysis

Sample ID: A6B0747-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/08/16 - 08:25
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	**0.81**	0.24	5.0	mg/L	1	A602014	02/20/16	02/21/16	J

Certificate of Analysis

Sample ID: A6B0747-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/08/16 - 08:38
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	**0.50**	0.24	5.0	mg/L	1	A602014	02/20/16	02/21/16	J

Certificate of Analysis

Sample ID: A6B0747-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/08/16 - 08:51
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	**0.70**	0.24	5.0	mg/L	1	A602014	02/20/16	02/21/16	J

BSK Associates
Engineers & Laboratories

A6B1426

Main Project - e COC Trace (MDLs)

16-0953 DCWWTP

Certificate of Analysis

Sample ID: A6B1426-01
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/16/16 - 08:56
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	**0.50**	0.24	5.0	mg/L	1	A602136	02/23/16	02/24/16	J

BSK Associates
Engineers & Laboratories

A6B1426

Main Project - e COC Trace (MDLs)

16-0953 DCWWTP

Certificate of Analysis

Sample ID: A6B1426-02
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/16/16 - 09:08
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	**0.68**	0.24	5.0	mg/L	1	A602136	02/23/16	02/24/16	J

BSK Associates
Engineers & Laboratories

A6B1426

Main Project - e COC Trace (MDLs)

16-0953 DCWWTP

Certificate of Analysis

Sample ID: A6B1426-03
Sampled By: Client
Sample Description: Decant Arm

Sample Date - Time: 02/16/16 - 09:18
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	1.1	0.24	5.0	mg/L	1	A602136	02/23/16	02/24/16	J

BSK Associates
Engineers & Laboratories

A6B2021

Main Project - e COC Trace (MDLs)

16-1083 DCWWTP

Certificate of Analysis

Sample ID: A6B2021-01
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 02/23/16 - 08:57
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	**0.89**	0.24	5.0	mg/L	1	A602645	03/05/16	03/06/16	J

BSK Associates
Engineers & Laboratories

A6B2021

Main Project - e COC Trace (MDLs)

16-1083 DCWWTP

Certificate of Analysis

Sample ID: A6B2021-02
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 02/23/16 - 09:05
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	**0.40**	0.24	5.0	mg/L	1	A602645	03/05/16	03/06/16	J

BSK Associates
Engineers & Laboratories

A6B2021

Main Project - e COC Trace (MDLs)

16-1083 DCWWTP

Certificate of Analysis

Sample ID: A6B2021-03
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 02/23/16 - 09:16
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	A602645	03/05/16	03/06/16	J

BSK Associates
Engineers & Laboratories

A6C0194

Main Project - e COC Trace (MDLs)

16-1206 DCWWTP

Certificate of Analysis

Sample ID: A6C0194-01
Sampled By: Jim M. Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/01/16 - 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	A602759	03/08/16	03/09/16	J

BSK Associates Engineers & Laboratories

A6C0194

Main Project - e COC Trace (MDLs)

16-1206 DCWWTP

Certificate of Analysis

Sample ID: A6C0194-02
Sampled By: Jim M. Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/01/16 - 09:40
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	**1.5**	0.24	5.0	mg/L	1	A602759	03/08/16	03/09/16	J

BSK Associates
Engineers & Laboratories

A6C0194

Main Project - e COC Trace (MDLs)

16-1206 DCWWTP

Certificate of Analysis

Sample ID: A6C0194-03
Sampled By: Jim M. Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/01/16 - 09:52
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	1.1	0.24	5.0	mg/L	1	A602759	03/08/16	03/09/16	J

BSK Associates
Engineers & Laboratories

A6C1216

Main Project - e COC Trace (MDLs)

16-1414 DCWWTP

Certificate of Analysis

Sample ID: A6C1216-01
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/10/16 - 09:39
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	**0.98**	0.24	5.0	mg/L	1	A603212	03/17/16	03/18/16	J

BSK Associates
Engineers & Laboratories

A6C1216

Main Project - e COC Trace (MDLs)

16-1414 DCWWTP

Certificate of Analysis

Sample ID: A6C1216-02
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/10/16 - 09:55
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	**0.98**	0.24	5.0	mg/L	1	A603212	03/17/16	03/18/16	J

BSK Associates
Engineers & Laboratories

A6C1216

Main Project - e COC Trace (MDLs)

16-1414 DCWWTP

Certificate of Analysis

Sample ID: A6C1216-03
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/10/16 - 10:13
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	A603212	03/17/16	03/18/16	J

BSK Associates
Engineers & Laboratories

A6C1712

Main Project - e COC Trace (MDLs)

16-1492 DCWWTP

Certificate of Analysis

Sample ID: A6C1712-01
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/15/16 - 10:53
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	1.4	0.24	5.0	mg/L	1	A603713	03/30/16	03/31/16	J

BSK Associates
Engineers & Laboratories

A6C1712

Main Project - e COC Trace (MDLs)

16-1492 DCWWTP

Certificate of Analysis

Sample ID: A6C1712-02
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/15/16 - 11:23
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	**1.9**	0.24	5.0	mg/L	1	A603713	03/30/16	03/31/16	J

BSK Associates Engineers & Laboratories

A6C1712

Main Project - e COC Trace (MDLs)

16-1492 DCWWTP

Certificate of Analysis

Sample ID: A6C1712-03
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/15/16 - 11:54
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	**3.1**	0.24	5.0	mg/L	1	A603713	03/30/16	03/31/16	J

BSK Associates
Engineers & Laboratories

A6C2349

Main Project - e COC Trace (MDLs)

16-1652 DCWWTP

Certificate of Analysis

Sample ID: A6C2349-01
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/23/16 - 07:51
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	**1.6**	0.24	5.0	mg/L	1	A603808	04/01/16	04/03/16	J

BSK Associates
Engineers & Laboratories

A6C2349

Main Project - e COC Trace (MDLs)

16-1652 DCWWTP

Certificate of Analysis

Sample ID: A6C2349-02
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/23/16 - 08:04
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	**0.80**	0.24	5.0	mg/L	1	A603808	04/01/16	04/03/16	J

BSK Associates Engineers & Laboratories

A6C2349

Main Project - e COC Trace (MDLs)

16-1652 DCWWTP

Certificate of Analysis

Sample ID: A6C2349-03
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/23/16 - 08:20
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	1.6	0.24	5.0	mg/L	1	A603808	04/01/16	04/03/16	J

BSK Associates Engineers & Laboratories

A6C2553

Main Project - e COC Trace (MDLs)

16-1717 DCWWTP

Certificate of Analysis

Sample ID: A6C2553-01
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/28/16 - 08:08
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	**0.60**	0.24	5.0	mg/L	1	A603924	04/05/16	04/06/16	J

BSK Associates
Engineers & Laboratories

A6C2553

Main Project - e COC Trace (MDLs)

16-1717 DCWWTP

Certificate of Analysis

Sample ID: A6C2553-02
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/28/16 - 08:20
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	**0.70**	0.24	5.0	mg/L	1	A603924	04/05/16	04/06/16	J

BSK Associates Engineers & Laboratories

A6C2553

Main Project - e COC Trace (MDLs)

16-1717 DCWWTP

Certificate of Analysis

Sample ID: A6C2553-03
Sampled By: Jim Wysong
Sample Description: Decant Arm

Sample Date - Time: 03/28/16 - 08:32
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	**0.88**	0.24	5.0	mg/L	1	A603924	04/05/16	04/06/16	J

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

Order #: 16-0104
Date/Time Rec'd: 1/6/16 1430

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**1/6/16 0951**	Suspended Solids	SM 2540 D.	**8.**	2.57	3.	1	mg/L	**01/14/16**
:	**Decant Arm**	**1/6/16 1005**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/06/16**

SUB Oil & Grease

Report Completion date: **1/15/16** Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
Result detected below the RL are estimated concentration
IQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
./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
	16-0102-1	**1/14/2016**	Suspended Solids	SM 2540D	143.	mg/L		
uplicate	**16-0102-1**	**1/14/2016**	Suspended Solids Dup.	SM 2540D	143.	mg/L		**< 5% of Average**
					100% Rec			
lank	ASTM II water	**1/14/2016**	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 #: 16-0202
Date/Time Rec'd: 1/11/16 1424

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**1/11/16 1002**	Suspended Solids	SM 2540 D.	**3.**	2.57	3.	1	mg/L	**01/14/16**
	Decant Arm	**1/11/16 1015**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/11/16**

SUB Oil & Grease

Report Completion date: **1/15/16** Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
Result detected below the RL are estimated concentration
IQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
L/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
	16-0102-1	**1/14/2016**	Suspended Solids	SM 2540D	143.	mg/L		
uplicate	**16-0102-1**	**1/14/2016**	Suspended Solids Dup.	SM 2540D	143.	mg/L		**< 5% of Average**
					100% Rec			
lank	ASTM II water	**1/14/2016**	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 #: 16-0435
Date/Time Rec'd: 1/21/16 1556

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**1/21/16 1114**	Suspended Solids	SM 2540 D.	**18.**	2.57	3.	1	mg/L	**01/26/16**
:	**Decant Arm**	**1/21/16 1145**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/21/16**

SUB Oil & Grease

Report Completion date: **1/26/16** Reviewed: Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
Result detected below the RL are estimated concentration
JQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
./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
	16-0413-1	**1/26/2016**	Suspended Solids	SM 2540D	91.	mg/L		
uplicate	**16-0413-1**	**1/26/2016**	Suspended Solids Dup.	SM 2540D	91.	mg/L		**< 5% of Average**
					100% Rec			
lank	ASTM II water	**1/26/2016**	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 #: 16-0501
Date/Time Rec'd: 1/26/16 1421

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**1/26/16 0820**	Suspended Solids	SM 2540 D.	**3.**	2.57	3.	1	mg/L	**01/28/16**
	Decant Arm	**1/26/16 0840**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**01/26/16**

SUB Oil & Grease

Report Completion date: **1/29/16**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
tesult detected below the RL are estimated concentration
JQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is
timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
)L = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
./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
	16-0483-1	**1/28/2016**	Suspended Solids	SM 2540D	13.	mg/L		
uplicate	**16-0483-1**	**1/28/2016**	Suspended Solids Dup.	SM 2540D	13.	mg/L		**< 5% of Average**
					100% Rec			
lank	ASTM II water	**1/28/2016**	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 #: 16-0635
Date/Time Rec'd: 2/2/16 1416

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**2/2/16 0817**	Suspended Solids	SM 2540 D.	**5.**	2.57	3.	1	mg/L	**02/06/16**
	Decant Arm	**2/2/16 0830**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**02/02/16**

SUB Oil & Grease

Report Completion date: **2/7/16** Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
tesult detected below the RL are estimated concentration
4Q = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
./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
	0699-7	**2/4/2016**	Suspended Solids	SM 2540D	56.	mg/L		
uplicate	**0699-7**	**2/4/2016**	Suspended Solids Dup.	SM 2540D	55.	mg/L	98%	**< 5% of Average**
lank	ASTM II water	**2/4/2016**	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 #: 16-0769
Date/Time Rec'd: 2/8/16 1326

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**2/8/16 0825**	Suspended Solids	SM 2540 D.	**4.**	2.57	3.	1	mg/L	**02/11/16**
	Decant Arm	**2/8/16 0845**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**02/08/16**

SUB Oil & Grease

Report Completion date: **2/11/16** Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
Result detected below the RL are estimated concentration
IQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
L/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
	16-0687-1	**2/11/2016**	Suspended Solids	SM 2540D	5.	mg/L		
uplicate	**16-0687-1**	**2/11/2016**	Suspended Solids Dup.	SM 2540D	5.	mg/L		**< 5% of Average**
					100% Rec			
lank	ASTM II water	**2/11/2016**	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 #: 16-0953
Date/Time Rec'd: 2/16/16 1340

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**2/16/16 0856**	Suspended Solids	SM 2540 D.	**8.**	2.57	3.	1	mg/L	**02/19/16**
!	**Decant Arm**	**2/16/16 0915**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**02/16/16**

SUB Oil & Grease

Report Completion date: **2/22/16** Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
Result detected below the RL are estimated concentration
IQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is
timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
./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
	16-0992-1	**2/19/2016**	Suspended Solids	SM 2540D	3.	mg/L		
uplicate	**16-0992-1**	**2/19/2016**	Suspended Solids Dup.	SM 2540D	3.	mg/L		**< 5% of Average**
					100% Rec			
lank	ASTM II water	**2/19/2016**	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 #: 16-1083
Date/Time Rec'd: 2/23/16 1402

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**2/23/16 0857**	Suspended Solids	SM 2540 D.	**6.**	2.57	3.	1	mg/L	**02/25/16**
	Decant Arm	**2/23/16 0915**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**02/23/16**

SUB Oil & Grease

Report Completion date: **2/26/16** Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
Result detected below the RL are estimated concentration
JQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
./L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

QA/QC Results

	Run Date	Test	Method	Result	Units	Difference %	
escription **16-1083-1**	**2/25/2016**	Suspended Solids	SM 2540D	6.2	mg/L		**Acceptable**
16-1083-1	**2/25/2016**	Suspended Solids Dup.	SM 2540D	6.5	mg/L		
				105% recovery			
lank	**2/25/2016**	Suspended Solids	SM 2540D	<3.	mg/L		**< 5% of Average**

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

Order #: 16-1206
Date/Time Rec'd: 3/1/16 1350

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**3/1/16 0928**	Suspended Solids	SM 2540 D.	**19.**	2.57	3.	1	mg/L	**03/03/16**
	Decant Arm	**3/1/16 0945**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/02/16**

SUB Oil & Grease

Report Completion date: **3/7/16** Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL

Result detected below the RL are estimated concentration

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

= Reporting Limit

DL = Method Detection Limit

State of California CDPH ELAP 2661

m = parts per million

g/L = milligrams per liter (ppm)

PN = Most Probable Number

TU = Turbidity Units

./L = millilieters per liter (ppm)

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	
	16-1204-1	**3/3/2016**	Suspended Solids	SM 2540D	9.3	mg/L		**Acceptable**
	16-1204-1	**3/3/2016**	Suspended Solids Dup.	SM 2540D	9.3	mg/L		
					100% Rec			
lank		**3/3/2016**	Suspended Solids	SM 2540D	<3.	mg/L		**< 5% of Average**

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

Order #: 16-1414
Date/Time Rec'd: 3/10/16 1447

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**3/10/16 0939**	Suspended Solids	SM 2540 D.	**8.**	2.57	3.	1	mg/L	**03/16/16**
	Decant Arm	**3/10/16 1000**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/10/16**

SUB Oil & Grease

Report Completion date: **3/17/16**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
Result detected below the RL are estimated concentration
JQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
TU = Turbidity Units
./L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	
	16-1419-2	**3/16/2016**	Suspended Solids	SM 2540D	39.	mg/L		**Acceptable**
uplicate	**16-1419-2**	**3/16/2016**	Suspended Solids Dup.	SM 2540D	40.	mg/L		
					103% Rec			
		3/16/2016	Suspended Solids	SM 2540D	<3.	mg/L		**< 5% of Average**

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

Order #: 16-1492
Date/Time Rec'd: 3/15/16 1430

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**3/15/16 1053**	Suspended Solids	SM 2540 D.	**26.**	2.57	3.	1	mg/L	**03/18/16**
	Decant Arm	**3/15/16 1130**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/15/16**

SUB Oil & Grease

Report Completion date: **3/21/16**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL

lesult detected below the RL are estimated concentration

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

= Reporting Limit

DL = Method Detection Limit

State of California CDPH ELAP 2661

m = parts per million

g/L = milligrams per liter (ppm)

PN = Most Probable Number

U = Turbidity Units

./L = millilieters per liter (ppm)

QA/QC Results

Description	Run Date	Test	Method	Result	Units	Difference %	
16-1481-1	**3/18/2016**	Suspended Solids	SM 2540D	15.6	mg/L		**Acceptable**
16-1481-1	**3/18/2016**	Suspended Solids Dup.	SM 2540D	16.	mg/L		
				102% Rec			
Blank	**3/18/2016**	Suspended Solids	SM 2540D	<3.	mg/L		**< 5% of Average**

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

Order #: 16-1652
Date/Time Rec'd: 3/23/16 1419

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**3/23/16 0751**	Suspended Solids	SM 2540 D.	**16.**	2.57	3.	1	mg/L	**03/28/16**
	Decant Arm	**3/23/16 0815**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/23/16**

SUB Oil & Grease

Report Completion date: **3/29/16**

Reviewed: Amanda Smith

Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL

tesult detected below the RL are estimated concentration

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

= Reporting Limit

DL = Method Detection Limit

State of California CDPH ELAP 2661

m = parts per million

g/L = milligrams per liter (ppm)

PN = Most Probable Number

TU = Turbidity Units

L/L = millilieters per liter (ppm)

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	
	16-1631-1	**3/28/2016**	Suspended Solids	SM 2540D	**12.**	mg/L		**Acceptable**
uplicate	**16-1631-1**	**3/28/2016**	Suspended Solids Dup.	SM 2540D	**13.14**	mg/L		
					107% Rec			
		3/28/2016	Suspended Solids	SM 2540D	**<3.**	mg/L		**< 5% of Average**

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

Order #: 16-1717
Date/Time Rec'd: 3/28/16 1400

iablo Canyon WWTP
20 Beta Court
rroyo Grande, CA 93420
roject: DCWWTP

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

ample #	Sample Description	Date / Time	Analysis	Method	Result	MDL	RL	Dil Factor	Units	Completed
	Decant Arm	**3/28/16 0808**	Suspended Solids	SM 2540 D.	**3.**	2.57	3.	1	mg/L	**04/02/16**
	Decant Arm	**3/28/16 0823**	Settleable Solids	SM 2540 F.	**<0.1**		0.1	1	mL/L	**03/28/16**
	SUB Oil & Grease									

Report Completion date: **4/4/16**

Reviewed: Amanda Smith, Lab Director

) = Analyte NOT DETECTED at MDL
Result detected below the RL are estimated concentration
JQ = Detected, not quantified. This applies to trace values where analytes are detected between the MDL and the RL. This result is timated or qualitative due to matrix background noise or values falling below the lowest point of a calibration curve.
= Reporting Limit
DL = Method Detection Limit
m = parts per million
g/L = milligrams per liter (ppm)
PN = Most Probable Number
U = Turbidity Units
L = millilieters per liter (ppm)

State of California CDPH ELAP 2661

QA/QC Results

	Description	Run Date	Test	Method	Result	Units	Difference %	
	16-1746-1	**4/2/2016**	Suspended Solids	SM 2540D	14.	mg/L		**Acceptable**
uplicate	**16-1746-1**	**4/2/2016**	Suspended Solids Dup.	SM 2540D	13.2	mg/L		
					94% Rec			
		4/2/2016	Suspended Solids	SM 2540D	<3.	mg/L		**< 5% of Average**

Client Sample Results

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

TestAmerica Job ID: 160-16710-1

Client Sample ID: 001F OWS 1ST QTR 2016 COMPOSITE — Lab Sample ID: 160-16710-1

Date Collected: 03/21/16 13:00 — **Matrix: Water**
Date Received: 03/29/16 08:30

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.080	ug/L		03/31/16 09:27	03/31/16 16:07	1

Client Sample ID: 001H U-1 CDRS 1ST QTR 2016 COMPOSITE — Lab Sample ID: 160-16710-2

Date Collected: 03/21/16 13:00 — **Matrix: Water**
Date Received: 03/29/16 08:30

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.080	ug/L		03/31/16 09:27	03/31/16 16:10	1

Client Sample ID: 001H U-2 CDRS 1ST QTR 2016 COMPOSITE — Lab Sample ID: 160-16710-3

Date Collected: 03/21/16 13:00 — **Matrix: Water**
Date Received: 03/29/16 08:30

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.080	ug/L		03/31/16 09:27	03/31/16 16:13	1

Client Sample ID: 001L U-1 SGBD 1ST QTR 2016 COMPOSITE — Lab Sample ID: 160-16710-4

Date Collected: 03/21/16 13:00 — **Matrix: Water**
Date Received: 03/29/16 08:30

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.080	ug/L		03/31/16 09:27	03/31/16 16:23	1

Client Sample ID: 001L U-2 SGBD 1ST QTR 2016 COMPOSITE — Lab Sample ID: 160-16710-5

Date Collected: 03/21/16 13:00 — **Matrix: Water**
Date Received: 03/29/16 08:30

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.080	ug/L		03/31/16 09:27	03/31/16 16:26	1

Client Sample ID: 001D LRW 1ST QTR 2016 COMPOSITE — Lab Sample ID: 160-16710-6

Date Collected: 03/21/16 13:00 — **Matrix: Water**
Date Received: 03/29/16 08:30

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.080	ug/L		03/31/16 09:27	03/31/16 16:29	1

Client Sample Results

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

TestAmerica Job ID: 160-16709-1

Client Sample ID: 001D LRW 1ST QTR 2016 COMPOSITE — **Lab Sample ID: 160-16709-1**
Date Collected: 03/21/16 13:00 — **Matrix: Water**
Date Received: 03/29/16 08:30

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.16**	**J**	1.0	0.10	ug/L		04/01/16 10:29	04/05/16 16:46	1
Cadmium	**0.15**		0.10	0.043	ug/L		04/01/16 10:29	04/05/16 16:46	1
Chromium	**1.5**	**J**	2.0	1.0	ug/L		04/01/16 10:29	04/05/16 16:46	1
Copper	**5.2**		1.0	0.50	ug/L		04/01/16 10:29	04/05/16 16:46	1
Nickel	**4.9**		1.0	0.40	ug/L		04/01/16 10:29	04/05/16 16:46	1
Lead	**0.64**		0.30	0.060	ug/L		04/01/16 10:29	04/05/16 16:46	1
Zinc	**260**		20	2.8	ug/L		04/01/16 10:29	04/05/16 16:46	1

Client Name: Diablo Canyon Power Plant
Contact: Clint Gans
Address: 4340 Old Santa Fe Road
San Luis Obispo, CA 93401

Report Date: 22-Jan-2016

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

Work Order Number: B6A1366

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number
B6A1366-01

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
Intake	Liquid	01/12/16 09:56	01/14/16 10:48

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Nutrients								
Ammonia-Nitrogen	0.25	0.10	0.059	mg/L	SM4500NH3H	01/18/16 12:35	sll	

mailing | *location* | P 951 653 3351 | CA ELAP No. 2698

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

Client Name: Diablo Canyon Power Plant
Contact: Clint Gans
Address: 4340 Old Santa Fe Road
San Luis Obispo, CA 93401

Report Date: 22-Jan-2016

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

Work Order Number: B6A1366

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number
B6A1366-02

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
Discharge	Liquid	01/12/16 10:07	01/14/16 10:48

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Nutrients								
Ammonia-Nitrogen	0.27	0.10	0.059	mg/L	SM4500NH3H	01/18/16 12:36	sll	

mailing | *location* | P 951 653 3351 | CA ELAP No. 2698

aquatic bioassay & consulting laboratories, inc

March 23, 2016

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:	24 Feb - 2016
ABC LAB. NO.:	PGE0216.299

ACUTE ABALONE SURVIVAL BIOASSAY

LC50 = 100 % Survival in 100 % Sample
*TUa = 0.00
* TU(a) Is calculated by: log (% Mortality)/1.7

Yours very truly,

Scott Johnson
Laboratory Director

CETIS Summary Report

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

Batch ID:	01-8855-9640	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	24 Feb-16 08:44	**Protocol:**	Kopperdahl (1976)	**Diluent:**	Laboratory Seawater
Ending Date:	28 Feb-16 07:11	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	13-9065-8074	**Code:**	PGE0216.299	**Client:**	Pacific Gas & Electric Co.
Sample Date:	23 Feb-16 09:45	**Material:**	Sample Water	**Project:**	Toxicity Testing
Receive Date:	24 Feb-16 07:45	**Source:**	Bioassay Report		
Sample Age:	23h (11 °C)	**Station:**	Discharge 001- Acute		

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
03-9384-4784	96h Survival Rate	100	>100	NA	NA	1	Equal Variance t Two-Sample Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
10-2757-2611	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	2	1	1	1	1	1	0	0	0.0%	0.0%
100		2	1	1	1	1	1	0	0	0.0%	0.0%

96h Survival Rate Detail

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

96h Survival Rate Binomials

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

CETIS Analytical Report

Test Code: PGE0216.299 | 17-7615-5679

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

Analysis ID:	03-9384-4784	**Endpoint:** 96h Survival Rate	**CETIS Version:** CETISv1.8.7
Analyzed:	23 Mar-16 9:40	**Analysis:** Parametric-Two Sample	**Official Results:** Yes

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

Equal Variance t Two-Sample Test

Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		100	0	2.92		2	1.0000	CDF	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	2			
Total	0		3			

96h Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	2	1	1	1	1	1	1	0	0.0%	0.0%
100		2	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	2	1.412	1.409	1.415	1.412	1.412	1.412	0	0.0%	0.0%
100		2	1.412	1.409	1.415	1.412	1.412	1.412	0	0.0%	0.0%

96h Survival Rate Detail

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

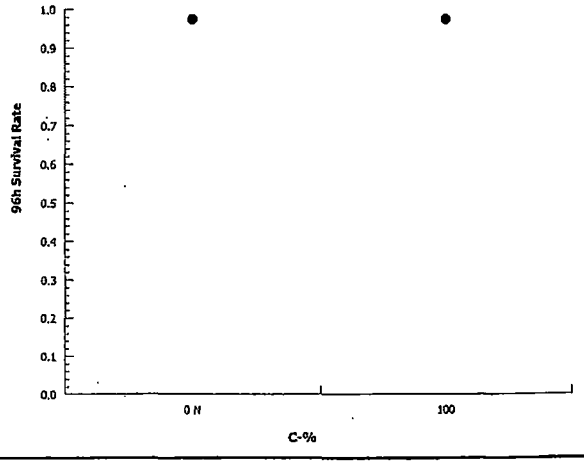
Angular (Corrected) Transformed Detail

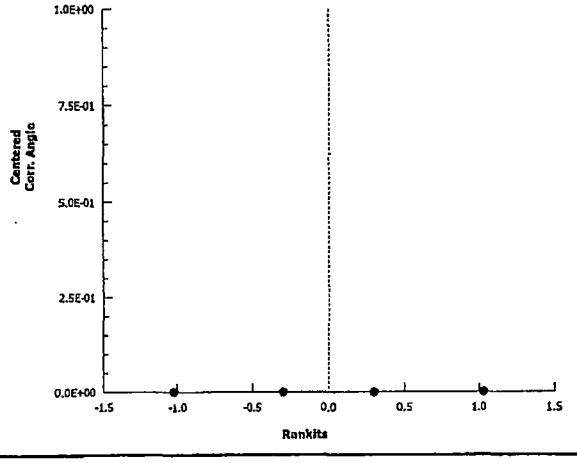
C-%	Control Type	Rep 1	Rep 2
0	Negative Control	1.412	1.412
100		1.412	1.412

96h Survival Rate Binomials

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

Graphics





 Analyst: ~ QA: f

CETIS Analytical Report

Test Code: PGE0216.299 | 17-7615-5679

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

Analysis ID:	10-2757-2611	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.8.7
Analyzed:	23 Mar-16 9:40	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

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	2	1	1	1	0	0	0.0%	0.0%	20	20
100		2	1	1	1	0	0	0.0%	0.0%	20	20

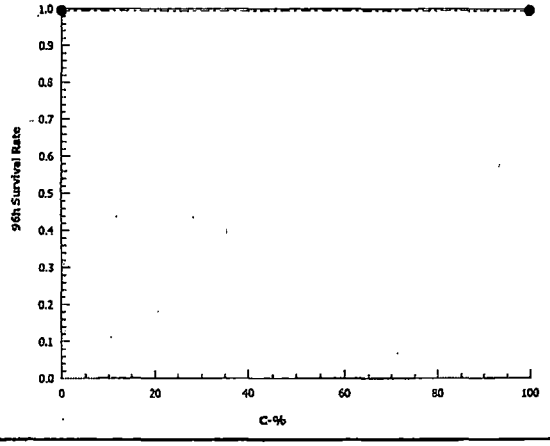
96h Survival Rate Detail

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

96h Survival Rate Binomials

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

Graphics



 Analyst: ~~ QA: P

CETIS Measurement Report

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

Batch ID:	01-8855-9640	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	24 Feb-16 08:44	**Protocol:**	Kopperdahl (1976)	**Diluent:**	Laboratory Seawater
Ending Date:	28 Feb-16 07:11	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	13-9065-8074	**Code:**	PGE0216.299	**Client:**	Pacific Gas & Electric Co.
Sample Date:	23 Feb-16 09:45	**Material:**	Sample Water	**Project:**	Toxicity Testing
Receive Date:	24 Feb-16 07:45	**Source:**	Bioassay Report		
Sample Age:	23h (11 °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	7.71	7.47	7.95	7.1	8.2	0.1059	0.3348	4.34%	0
100		10	7.89	7.734	8.046	7.6	8.1	0.06904	0.2183	2.77%	0
Overall		20	7.8			7.1	8.2				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	7.42	7.236	7.604	7.1	7.8	0.08138	0.2573	3.47%	0
100		10	7.5	7.328	7.672	7.3	7.9	0.07601	0.2404	3.21%	0
Overall		20	7.46			7.1	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	14.5	14.25	14.75	14.1	15.1	0.1085	0.3432	2.37%	0
100		10	14.32	14.21	14.43	14.1	14.5	0.04899	0.1549	1.08%	0
Overall		20	14.41			14.1	15.1				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8	9	10
0	Negative Contr	7.1	7.2	7.7	7.8	7.8	7.7	8	7.7	8.2	7.9
100		7.6	7.6	7.6	7.9	7.9	7.9	8.1	8.1	8.1	8.1

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8	9	10
0	Negative Contr	7.8	7.8	7.2	7.3	7.3	7.3	7.2	7.1	7.6	7.6
100		7.9	7.9	7.3	7.3	7.4	7.4	7.3	7.3	7.6	7.6

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	15.1	15.1	14.1	14.2	14.5	14.5	14.5	14.4	14.3	14.3
100		14.1	14.1	14.2	14.2	14.5	14.4	14.4	14.4	14.4	14.5

aquatic bioassay & consulting laboratories, inc

March 23, 2016

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:	24 Feb - 2016
ABC LAB. NO.:	PGE0216.300

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:	02-0734-8389	**Test Type:**	Development	**Analyst:**	
Start Date:	24 Feb-16 12:31	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	26 Feb-16 12:31	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	48h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	06-2167-9372	**Code:**	PGE0216.300	**Client:**	Pacific Gas & Electric Co.
Sample Date:	23 Feb-16 09:45	**Material:**	Sample Water	**Project:**	Toxicity Testing
Receive Date:	24 Feb-16 07:45	**Source:**	Bioassay Report		
Sample Age:	27h (11 °C)	**Station:**	Discharge 001- Chronic		

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
13-0171-6554	Proportion Normal	100	>100	NA	4.16%	1	Steel Many-One Rank Sum Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
05-3947-2547	Proportion Normal	EC5	72.82	46.2	N/A	1.373	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
05-3947-2547	Proportion Normal	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
13-0171-6554	Proportion Normal	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
13-0171-6554	Proportion Normal	PMSD	0.04165	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	1	1	1	1	1	0	0	0.0%	0.0%
10		5	1	1	1	1	1	0	0	0.0%	0.0%
18		5	1	1	1	1	1	0	0	0.0%	0.0%
32		5	1	1	1	1	1	0	0	0.0%	0.0%
56		5	0.976	0.9343	1	0.93	1	0.01503	0.03362	3.44%	2.4%
100		5	0.908	0.7374	1	0.67	1	0.06143	0.1374	15.13%	9.2%

Proportion Normal Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
10		1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		0.93	0.95	1	1	1
100		0.67	1	0.95	1	0.92

Proportion Normal Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
10		100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		93/100	95/100	100/100	100/100	100/100
100		67/100	100/100	95/100	100/100	92/100

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

Analysis ID:	13-0171-6554	**Endpoint:** Proportion Normal	**CETIS Version:** CETISv1.8.7
Analyzed:	12 Mar-16 10:23	**Analysis:** Nonparametric-Control vs Treatments	**Official Results:** Yes

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	4.16%	100	>100	NA	1

Steel Many-One Rank Sum Test

Control	vs	C-%	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		10	27.5	16	1	8	0.8333	Asymp	Non-Significant Effect
		18	27.5	16	1	8	0.8333	Asymp	Non-Significant Effect
		32	27.5	16	1	8	0.8333	Asymp	Non-Significant Effect
		56	22.5	16	1	8	0.3937	Asymp	Non-Significant Effect
		100	20	16	1	8	0.1899	Asymp	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.1583948	0.03167896	5	2.923	0.0337	Significant Effect
Error	0.2600844	0.01083685	24			
Total	0.4184792		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Mod Levene Equality of Variance	5.278	4.248	0.0037	Unequal Variances
Variances	Levene Equality of Variance	7.218	3.895	0.0003	Unequal Variances
Distribution	Shapiro-Wilk W Normality	0.6863	0.9031	<0.0001	Non-normal Distribution
Distribution	Kolmogorov-Smirnov D	0.3667	0.1853	<0.0001	Non-normal Distribution
Distribution	D'Agostino Skewness	3.268	2.576	0.0011	Non-normal Distribution
Distribution	D'Agostino Kurtosis	3.729	2.576	0.0002	Non-normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	24.58	9.21	<0.0001	Non-normal Distribution
Distribution	Anderson-Darling A2 Normality	4.606	3.878	<0.0001	Non-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	1	1	1	1	1	1	0	0.0%	0.0%
10		5	1	1	1	1	1	1	0	0.0%	0.0%
18		5	1	1	1	1	1	1	0	0.0%	0.0%
32		5	1	1	1	1	1	1	0	0.0%	0.0%
56		5	0.976	0.9343	1	1	0.93	1	0.01503	3.44%	2.4%
100		5	0.908	0.7374	1	0.95	0.67	1	0.06143	15.13%	9.2%

Angular (Corrected) Transformed Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Contr	5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	0.0%
10		5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	0.0%
18		5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	0.0%
32		5	1.521	1.521	1.521	1.521	1.521	1.521	0	0.0%	0.0%
56		5	1.442	1.307	1.577	1.521	1.303	1.521	0.04862	7.54%	5.17%
100		5	1.326	1.04	1.612	1.345	0.9589	1.521	0.1032	17.4%	12.81%

Proportion Normal Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
10		1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		0.93	0.95	1	1	1
100		0.67	1	0.95	1	0.92

Red Abalone Larval Development Test				Aquatic Bioassay & Consulting Labs, Inc.
Analysis ID:	13-0171-6554	Endpoint: Proportion Normal	CETIS Version:	CETISv1.8.7
Analyzed:	12 Mar-16 10:23	Analysis: Nonparametric-Control vs Treatments	Official Results:	Yes

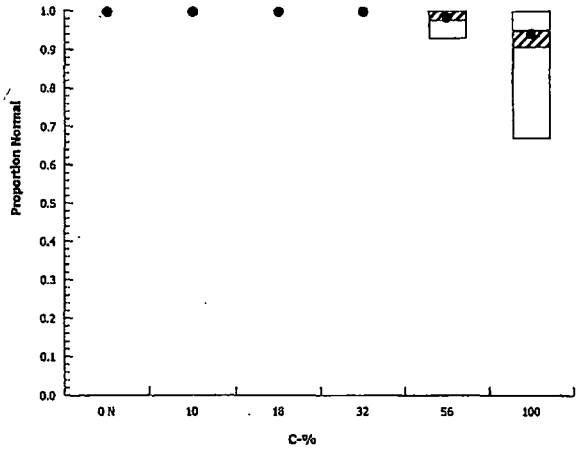
Angular (Corrected) Transformed Detail

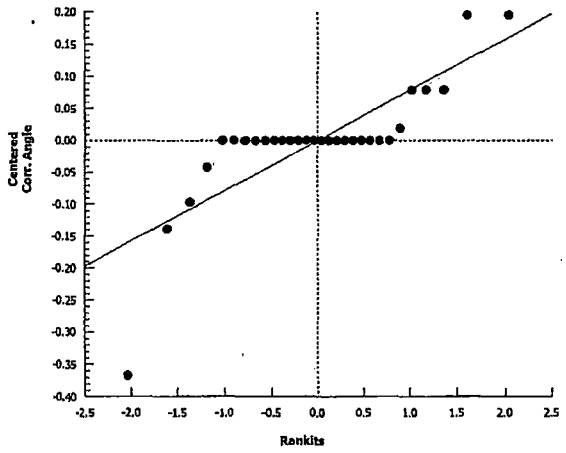
C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1.521	1.521	1.521	1.521	1.521
10		1.521	1.521	1.521	1.521	1.521
18		1.521	1.521	1.521	1.521	1.521
32		1.521	1.521	1.521	1.521	1.521
56		1.303	1.345	1.521	1.521	1.521
100		0.9589	1.521	1.345	1.521	1.284

Proportion Normal Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
10		100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		93/100	95/100	100/100	100/100	100/100
100		67/100	100/100	95/100	100/100	92/100

Graphics





CETIS Analytical Report

Test Code: PGE0216.300 | 20-1725-7239

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

Analysis ID:	05-3947-2547	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.8.7
Analyzed:	12 Mar-16 10:23	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

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	72.82	46.2	N/A	1.373	NA	2.164
EC10	>100	N/A	N/A	<1	NA	NA
EC15	>100	N/A	N/A	<1	NA	NA
EC20	>100	N/A	N/A	<1	NA	NA
EC25	>100	N/A	N/A	<1	NA	NA
EC40	>100	N/A	N/A	<1	NA	NA
EC50	>100	N/A	N/A	<1	NA	NA

Proportion Normal Summary

			Calculated Variate(A/B)								
C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	5	1	1	1	0	0	0.0%	0.0%	500	500
10		5	1	1	1	0	0	0.0%	0.0%	500	500
18		5	1	1	1	0	0	0.0%	0.0%	500	500
32		5	1	1	1	0	0	0.0%	0.0%	500	500
56		5	0.976	0.93	1	0.01503	0.03362	3.44%	2.4%	488	500
100		5	0.908	0.67	1	0.06143	0.1374	15.13%	9.2%	454	500

Proportion Normal Detail

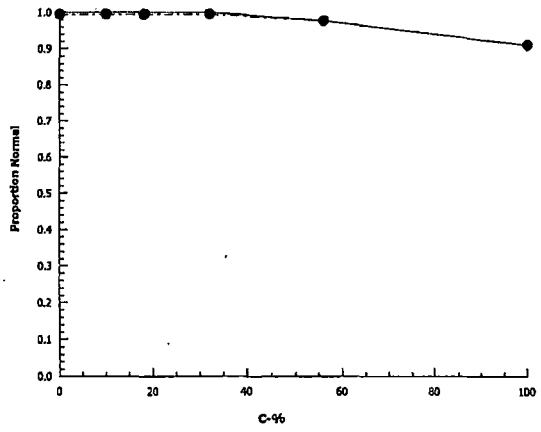
C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
10		1	1	1	1	1
18		1	1	1	1	1
32		1	1	1	1	1
56		0.93	0.95	1	1	1
100		0.67	1	0.95	1	0.92

Proportion Normal Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	100/100	100/100	100/100
10		100/100	100/100	100/100	100/100	100/100
18		100/100	100/100	100/100	100/100	100/100
32		100/100	100/100	100/100	100/100	100/100
56		93/100	95/100	100/100	100/100	100/100
100		67/100	100/100	95/100	100/100	92/100

Red Abalone Larval Development Test				Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID:	05-3947-2547	Endpoint:	Proportion Normal	CETIS Version:	CETISv1.8.7
Analyzed:	12 Mar-16 10:23	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Graphics



CETIS Measurement Report

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

Batch ID:	02-0734-8389	**Test Type:**	Development	**Analyst:**	
Start Date:	24 Feb-16 12:31	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	26 Feb-16 12:31	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	48h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	06-2167-9372	**Code:**	PGE0216.300	**Client:**	Pacific Gas & Electric Co.
Sample Date:	23 Feb-16 09:45	**Material:**	Sample Water	**Project:**	Toxicity Testing
Receive Date:	24 Feb-16 07:45	**Source:**	Bioassay Report		
Sample Age:	27h (11 °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	14.1	14.6	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	7.1	-5.606	19.81	6.1	8.1	1	1.414	19.92%	0
10		2	6.95	-5.121	19.02	6	7.9	0.95	1.344	19.33%	0
18		2	7.2	-4.236	18.64	6.3	8.1	0.9	1.273	17.68%	0
32		2	7.1	-4.336	18.54	6.2	8	0.9	1.273	17.93%	0
56		2	7.1	-4.336	18.54	6.2	8	0.9	1.273	17.93%	0
100		2	7.25	-2.28	16.78	6.5	8	0.75	1.061	14.63%	0
Overall		12	7.117			6	8.1				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	7.7	7.698	7.702	7.7	7.7	0	0	0.0%	0
10		2	7.75	7.115	8.385	7.7	7.8	0.05001	0.07072	0.91%	0
18		2	7.8	7.787	7.813	7.8	7.8	0	0	0.0%	0
32		2	7.8	7.787	7.813	7.8	7.8	0	0	0.0%	0
56		2	7.85	7.215	8.485	7.8	7.9	0.05	0.07071	0.9%	0
100		2	7.85	7.215	8.485	7.8	7.9	0.05	0.07071	0.9%	0
Overall		12	7.792			7.7	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	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	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
10		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
18		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
32		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
56		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
100		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
Overall		12	14.35			14.1	14.6				0 (0%)

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

Dissolved Oxygen-mg/L

C-%	Control Type	1	2
0	Negative Contr	8.1	6.1
10		7.9	6
18		8.1	6.3
32		8	6.2
56		8	6.2
100		8	6.5

pH-Units

C-%	Control Type	1	2
0	Negative Contr	7.7	7.7
10		7.8	7.7
18		7.8	7.8
32		7.8	7.8
56		7.9	7.8
100		7.9	7.8

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	14.1	14.6
10		14.1	14.6
18		14.1	14.6
32		14.1	14.6
56		14.1	14.6
100		14.1	14.6

CHAIN OF CUSTODY RECORD

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

Date	Time	Comp	Grab	Matrix	Sample ID	Volume / Number	Acute Toxicity	Chronic Toxicity	Analysis	Comments
2/23/2016	**9:45**		X	**Seawater**	**Discharge 001**	**432/ 5 gal**	X			
2/23/2016	**9:45**	X		**Seawater**	**Discharge 001**	**433/ 1 gal**		X		
						Temp. deg. C	= 11.0°C			
						Chlorine (mg/L)	= 4.1			
						NH3 (mg/L)	= 0.0			

Relinquished By:(signature)	Date / Time	Relinquished By:(signature)	Date / Time
	2-23-16 / 1000		
Received By:(signature)	**Date / Time**	**Received By:**(signature)	**Date / Time**
	02.24.16 per 0745	Temperature upon sample receipt: _____ degrees C	

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

aquatic bioassay & consulting laboratories, inc

CHRONIC ABALONE DEVELOPMENT BIOASSAY

DATE: 24 February 2016

STANDARD TOXICANT: Zinc

NOEC = 56.00 ug/l

EC25 = 58.17 ug/l
EC50 = 72.11 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:	18-0389-8636	**Test Type:**	Development	**Analyst:**	
Start Date:	24 Feb-16 12:30	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	26 Feb-16 12:30	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	48h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	14-3576-6589	**Code:**	ABS022416	**Client:**	Internal Lab
Sample Date:	24 Feb-16 12:30	**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
02-1954-6009	Proportion Normal	56	100	74.83	47.5%		Steel Many-One Rank Sum Test

Point Estimate Summary

Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
14-3148-2529	Proportion Normal	EC5	21.01	16.77	76.32		Linear Interpolation (ICPIN)
		EC10	25.22	17.81	77.54		
		EC15	29.44	18.32	78.75		
		EC20	47.36	12.23	73.12		
		EC25	58.17	9.698	71.04		
		EC40	66.54	13.93	76.83		
		EC50	72.11	28.22	80.69		

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
02-1954-6009	Proportion Normal	Control Resp	0.976	0.8 - NL	Yes	Passes Acceptability Criteria
14-3148-2529	Proportion Normal	Control Resp	0.976	0.8 - NL	Yes	Passes Acceptability Criteria
02-1954-6009	Proportion Normal	NOEL	56	NL - 56	No	Above Acceptability Criteria
02-1954-6009	Proportion Normal	PMSD	0.4754	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	0.976	0.9316	1	0.92	1	0.016	0.03578	3.67%	0.0%
18		5	0.962	0.9169	1	0.92	1	0.01625	0.03633	3.78%	1.43%
32		5	0.8	0.2447	1	0	1	0.2	0.4472	55.9%	18.03%
56		5	0.77	0.2331	1	0	1	0.1934	0.4324	56.16%	21.11%
100		5	0	0	0	0	0	0	0		100.0%
180		5	0	0	0	0	0	0	0		100.0%

Proportion Normal Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	0.96	0.92	1
18		0.92	1	0.95	0.94	1
32		1	1	1	1	0
56		0.9	0.95	1	1	0
100		0	0	0	0	0
180		0	0	0	0	0

Proportion Normal Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	96/100	92/100	100/100
18		92/100	100/100	95/100	94/100	100/100
32		100/100	100/100	100/100	100/100	0/100
56		90/100	95/100	100/100	100/100	0/100
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:	02-1954-6009	Endpoint: Proportion Normal	CETIS Version: CETISv1.8.7
Analyzed:	22 Mar-16 16:03	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	47.5%	56	100	74.83	

Steel Many-One Rank Sum Test

Control	vs	C-µg/L	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		18	24.5	17	2	8	0.4842	Asymp	Non-Significant Effect
		32	29	17	1	8	0.8495	Asymp	Non-Significant Effect
		56	23	17	1	8	0.3468	Asymp	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.3107518	0.1035839	3	0.4928	0.6923	Non-Significant Effect
Error	3.362834	0.2101772	16			
Total	3.673586		19			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	15.64	11.34	0.0013	Unequal Variances
Variances	Mod Levene Equality of Variance	0.5491	5.953	0.6582	Equal Variances
Variances	Levene Equality of Variance	2.809	5.292	0.0729	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.7203	0.866	<0.0001	Non-normal Distribution
Distribution	Kolmogorov-Smirnov D	0.2526	0.2235	0.0017	Non-normal Distribution
Distribution	D'Agostino Skewness	3.481	2.576	0.0005	Non-normal Distribution
Distribution	D'Agostino Kurtosis	2.625	2.576	0.0087	Non-normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	19.01	9.21	<0.0001	Non-normal Distribution
Distribution	Anderson-Darling A2 Normality	2.278	3.878	<0.0001	Non-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	0.976	0.9316	1	1	0.92	1	0.016	3.67%	0.0%
18		5	0.962	0.9169	1	0.95	0.92	1	0.01625	3.78%	1.43%
32		5	0.8	0.2447	1	1	0	1	0.2	55.9%	18.03%
56		5	0.77	0.2331	1	0.95	0	1	0.1934	56.16%	21.11%
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	1.443	1.306	1.58	1.521	1.284	1.521	0.04941	7.66%	0.0%
18		5	1.399	1.258	1.54	1.345	1.284	1.521	0.05074	8.11%	3.07%
32		5	1.227	0.4099	2.043	1.521	0.05002	1.521	0.2942	53.62%	15.0%
56		5	1.137	0.3687	1.906	1.345	0.05002	1.521	0.2768	54.42%	21.2%
100		5	0.05002	0.05001	0.05003	0.05002	0.05002	0.05002	0	0.0%	96.53%
180		5	0.05002	0.05001	0.05003	0.05002	0.05002	0.05002	0	0.0%	96.53%

Proportion Normal Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	0.96	0.92	1
18		0.92	1	0.95	0.94	1
32		1	1	1	1	0
56		0.9	0.95	1	1	0
100		0	0	0	0	0
180		0	0	0	0	0

Red Abalone Larval Development Test				Aquatic Bioassay & Consulting Labs, Inc.
Analysis ID:	02-1954-6009	Endpoint: Proportion Normal	CETIS Version:	CETISv1.8.7
Analyzed:	22 Mar-16 16:03	Analysis: Nonparametric-Control vs Treatments	Official Results:	Yes

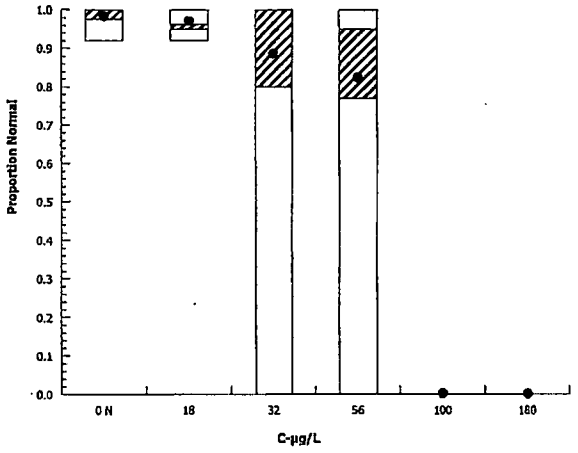
Angular (Corrected) Transformed Detail

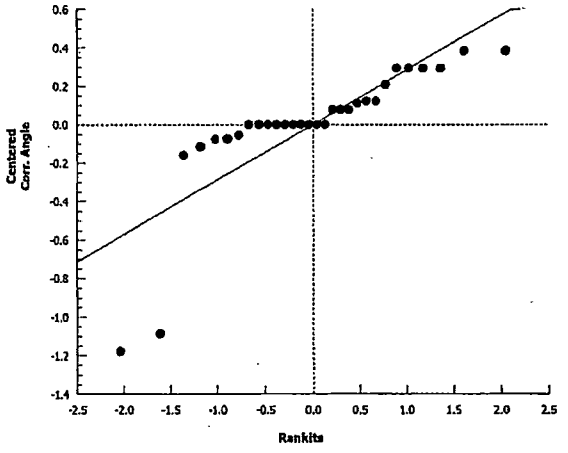
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1.521	1.521	1.369	1.284	1.521
18		1.284	1.521	1.345	1.323	1.521
32		1.521	1.521	1.521	1.521	0.05002
56		1.249	1.345	1.521	1.521	0.05002
100		0.05002	0.05002	0.05002	0.05002	0.05002
180		0.05002	0.05002	0.05002	0.05002	0.05002

Proportion Normal Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	96/100	92/100	100/100
18		92/100	100/100	95/100	94/100	100/100
32		100/100	100/100	100/100	100/100	0/100
56		90/100	95/100	100/100	100/100	0/100
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:	14-3148-2529	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.8.7
Analyzed:	22 Mar-16 16:03	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

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	21.01	16.77	76.32
EC10	25.22	17.81	77.54
EC15	29.44	18.32	78.75
EC20	47.36	12.23	73.12
EC25	58.17	9.698	71.04
EC40	66.54	13.93	76.83
EC50	72.11	28.22	80.69

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	0.976	0.92	1	0.016	0.03578	3.67%	0.0%	488	500
18		5	0.962	0.92	1	0.01625	0.03633	3.78%	1.43%	481	500
32		5	0.8	0	1	0.2	0.4472	55.9%	18.03%	400	500
56		5	0.77	0	1	0.1934	0.4324	56.16%	21.11%	385	500
100		5	0	0	0	0	0		100.0%	0	500
180		5	0	0	0	0	0		100.0%	0	500

Proportion Normal Detail

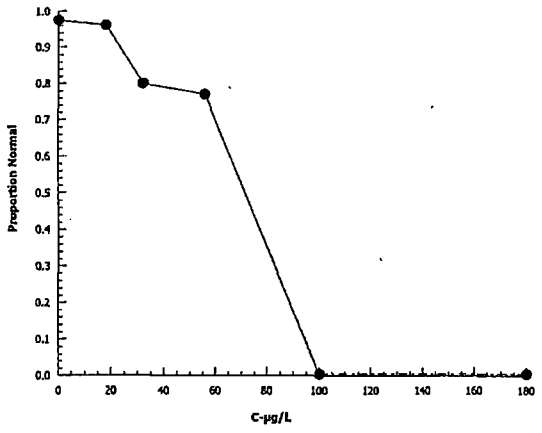
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	0.96	0.92	1
18		0.92	1	0.95	0.94	1
32		1	1	1	1	0
56		0.9	0.95	1	1	0
100		0	0	0	0	0
180		0	0	0	0	0

Proportion Normal Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	100/100	100/100	96/100	92/100	100/100
18		92/100	100/100	95/100	94/100	100/100
32		100/100	100/100	100/100	100/100	0/100
56		90/100	95/100	100/100	100/100	0/100
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:	14-3148-2529	Endpoint:	Proportion Normal	CETIS Version:	CETISv1.8.7
Analyzed:	22 Mar-16 16:03	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Graphics



CETIS Measurement Report

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

Batch ID:	18-0389-8636	**Test Type:**	Development	**Analyst:**	
Start Date:	24 Feb-16 12:30	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Laboratory Seawater
Ending Date:	26 Feb-16 12:30	**Species:**	Haliotis rufescens	**Brine:**	Not Applicable
Duration:	48h	**Source:**	Cultured Abalone	**Age:**	
Sample ID:	14-3576-6589	**Code:**	ABS022416	**Client:**	Internal Lab
Sample Date:	24 Feb-16 12:30	**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	14.1	14.6	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	7.1	-5.606	19.81	6.1	8.1	1	1.414	19.92%	0
18		2	7.3	-5.406	20.01	6.3	8.3	1	1.414	19.37%	0
32		2	7.3	-5.406	20.01	6.3	8.3	1	1.414	19.37%	0
56		2	7.3	-5.406	20.01	6.3	8.3	1	1.414	19.37%	0
100		2	7.3	-5.406	20.01	6.3	8.3	1	1.414	19.37%	0
180		2	7.3	-5.406	20.01	6.3	8.3	1	1.414	19.37%	0
Overall		12	7.267			6.1	8.3				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	7.7	7.698	7.702	7.7	7.7	0	0	0.0%	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	7.742			7.7	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	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
18		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
32		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
56		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
100		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
180		2	14.35	11.17	17.53	14.1	14.6	0.25	0.3535	2.46%	0
Overall		12	14.35			14.1	14.6				0 (0%)

Dissolved Oxygen-mg/L

C-µg/L	Control Type	1	2
0	Negative Contr	8.1	6.1
18		8.3	6.3
32		8.3	6.3
56		8.3	6.3
100		8.3	6.3
180		8.3	6.3

pH-Units

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

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	14.1	14.6
18		14.1	14.6
32		14.1	14.6
56		14.1	14.6
100		14.1	14.6
180		14.1	14.6