Central Contra Costa Sanitary District

5019 Imhoff Place, Martinez, CA 94553-4392 (925) 228-9500 • www.centralsan.org

FAX: (925) 689-1232

JAMES M. KELLY
General Manager

KENTON L. ALM
Counsel for the District
(510) 808-2000

ELAINE R. BOEHME
Secretary of the District

February 24, 2009

Ms. Lila Tang
Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Dear Ms. Tang:

Enclosed is the January 2009 Discharger's Monitoring Program Report for Central Contra Costa Sanitary District, as required by our National Pollutant Discharge Elimination System Permit.

If you have any questions, please call Laboratory Superintendent Bhupinder Dhaliwal at 925-229-7237.

Sincerely,

Douglas J. Craig
Director of Plant Operations

BSD:msb

Enclosures

cc: D. Whitworth (.pdf via e-mail)
M. Esparza

DISCHARGER'S MONITORING PROGRAM REPORT

REPORTING DISCHARGER: Central Contra Costa Sanitary District

DATE OF REPORT: February 24, 2009

REPORTING PERIOD: January 2009

COMMENTS:

The following reports for influent, effluent, receiving water, and loading summaries cover the month of January 2009. All sampling and analyses were performed in accordance with Regional Water Quality Control Board (RWQCB) Order No. R2-2007-008.

The final effluent quality remained in compliance with all applicable National Pollutant Discharge Elimination System (NPDES) standards.

CCCSD's NPDES permit does not require analyzing for dissolved sulfide concentration. Consequently, the columns for dissolved sulfide concentration on page 2 of the E-001 report are left blank.

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.

B S Dhaliwal

Bhupinder S. Dhaliwal
Laboratory Superintendent

BSD:msb
Attachments

CENTRAL CONTRA COSTA SANITARY DISTRICT
EFFLUENT E-001
ACUTE TOXICITY (FLOW-THROUGH) DATA*
JANUARY 2009

MONTH	DATE	FAT-HEAD MINNOW PERCENT SURVIVAL
March 2008	03/11/08	100
April 2008	04/08/08	90
May 2008	05/06/08	100
June 2008	06/10/08	96.2
July 2008	07/08/08	96.2
August 2008	08/19/08	96.2
September 2008	09/16/08	92.3
October 2008	10/14/08	99.0
November 2008	11/04/08	98.0
December 2008	12/09/08	100
January 2009	01/13/09	100
11 Sample Median		98
11 Sample 90th Percentile		92.3

* Permit limit is 11-sample median of not less than 90 percent survival, and an 11-sample 90-percentile value of not less than 70 percent survival.

CENTRAL CONTRA COSTA SANITARY DISTRICT
EFFLUENT E-001
CHRONIC TOXICITY DATA
JANUARY 2009

Month	Date	Red Abalone Toxicity TU*
April	April 24, 2007	7.2
June	June 19, 2007	12.3
August	August 21, 2007	7.2
October	October 9, 2007	7.6
December	December 5, 2007	8.3
February	February 5, 2008	10.3
April	April 22, 2008	7.4
June	June 17, 2008	9.1
September	September 22, 2008	10.5
October	October 20, 2008	7.4
November	November 5, 2008	7.5
January	January 6, 2009	11.2
	January 20, 2009	8.3
3-Sample Median		8.3

* Permit requires accelerated monitoring if three-sample median value exceeds 10 TU or a single sample exceeds 20 TU.

CENTRAL CONTRA COSTA SANITARY DISTRICT
EFFLUENT E-001
MASS LOADINGS OF MERCURY
JANUARY 2009

	MERCURY	
Month	Monthly Total Kg/month	Running Annual Average* Kg/year
January 2009	0.042	--

* Trigger level is 2.23 Kg per year running annual average.

CENTRAL CONTRA COSTA SANITARY DISTRICT
EFFLUENT E-001
MASS LOADINGS OF 2,3,7,8 - TCDD EQUIVALENTS
JANUARY 2009

	2,3,7,8 – TCDD Equivalent mg/month	
Month	Monthly Total	Running Annual Average**
January 2008	--	0.00
February 2008	0.00	0.00
March 2008	--	0.00
April 2008	--	0.00
May 2008	--	0.00
June 2008	--	0.00
July 2008	--	0.00
August 2008	0.0	0.00
September 2008	--	0.00
October 2008	--	0.00
November 2008	--	0.00
December 2008	--	0.00
January 2009	--	0.00

** Permit limit is 0.836 mg/month, 12-months, running, annual average. Monitoring frequency is twice per year.

2009 COMPLIANCE SUMMARY TABLE
CENTRAL CONTRA COSTA NPDES #CA0037648

Parameter	Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Monitoring Point E-001														0/0
CarbonaceousBOD Eff Daily Maximum mg/l	Max 50	0/20	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/20
CarbonaceousBOD Eff Weekly Average mg/l	Max 40	0/5	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/5
CarbonaceousBOD Eff Monthly Average mg/l	Max 25	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
CarbonaceousBOD Eff Monthly Removal %	Min 85	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Total Suspended Solids Eff Daily Maximum mg/l	Max 60	0/31	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/31
Total Suspended Solids Eff Daily Loading kg/d	Max	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Total Suspended Solids Eff Weekly Average mg/l	Max 45	0/5	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/5
Total Suspended Solids Eff Monthly Average mg/l	Max 30	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Total Suspended Solids Eff Monthly Removal %	Min 85	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Oil and Grease Eff Daily Maximum mg/l	Max 20	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Oil and Grease Eff Monthly Average mg/l	Max 10	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH Eff Cont Minimum unit	Min 6	0/31	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/31
pH Eff Cont Maximum unit	Max 9	0/31	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/31
Enterococci Eff Monthly Median MPN/100ml	Max 35	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Chronic Toxicity Eff Daily Maximum TUc	Max 20	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
Chronic Toxicity Eff 3Samp Median TUc	Max 10	0/2	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
Test1 Specie Eff 11Samp 90th% %Sur	Min 70	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Test1 Specie Eff 11Samp MovingMed %Sur	Min 90	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Copper Eff Daily Maximum ug/l	Max 20	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Copper Eff Monthly Average ug/l	Max 14	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Lead Eff Daily Maximum ug/l	Max 8.2	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Lead Eff Monthly Average ug/l	Max 3.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Mercury Eff Weekly Average ug/l	Max 0.072	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Mercury Eff Monthly Average ug/l	Max 0.066	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Mercury Eff Annual Loading kg/year	Max 2.23	0/1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
Cyanide Eff Daily Maximum ug/l	Max 45	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Cyanide Eff Monthly Average ug/l	Max 20	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Acrylonitrile Eff Daily Maximum ug/l	Max 13	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Acrylonitrile Eff Monthly Average ug/l	Max 6.3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
TCDD-TEQ Eff Monthly MovingAvg mg/kg	Max 0.836	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Monitoring Point Receiving Water														0/0
Dissolved Oxygen RW1 Daily Minimum mg/l	Min 7	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Oxygen RW2 Daily Minimum mg/l	Min 7	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Oxygen RW3 Daily Minimum mg/l	Min 7	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Oxygen RW4 Daily Minimum mg/l	Min 7	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Oxygen RW5 Daily Minimum mg/l	Min 7	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Oxygen CR1 Daily Minimum mg/l	Min 7	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
DO Saturation RW1 Quarterly Median %	Min 80	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
DO Saturation RW2 Quarterly Median %	Min 80	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
DO Saturation RW3 Quarterly Median %	Min 80	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

2009 COMPLIANCE SUMMARY TABLE
CENTRAL CONTRA COSTA NPDES #CA0037648

Parameter	Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
DO Saturation RW4 Quarterly Median %	Min 80	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
DO Saturation RW5 Quarterly Median %	Min 80	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
DO Saturation CR1 Quarterly Median %	Min 80	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Dissolved Sulfite RW1 Grab Maximum mg/l	Max 0.1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Sulfite RW2 Grab Maximum mg/l	Max 0.1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Sulfite RW3 Grab Maximum mg/l	Max 0.1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Sulfite RW4 Grab Maximum mg/l	Max 0.1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Sulfite RW5 Grab Maximum mg/l	Max 0.1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Dissolved Sulfite CR1 Grab Maximum mg/l	Max 0.1	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW1 Grab Minimum unit	Min 6.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW1 Grab Maximum unit	Max 8.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW2 Grab Minimum unit	Min 6.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW2 Grab Maximum unit	Max 8.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW3 Grab Minimum unit	Min 6.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW3 Grab Maximum unit	Max 8.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW4 Grab Minimum unit	Min 6.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW4 Grab Maximum unit	Max 8.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW5 Grab Minimum unit	Min 6.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH RW5 Grab Maximum unit	Max 8.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
pH CR1 Grab Maximum unit	Max 8.5	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Un-ionized Ammonia as N RW1 Daily Maximum mg/l	Max 0.16	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Un-ionized Ammonia as N RW1 Annual Median mg/l	Max 0.025	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Un-ionized Ammonia as N RW2 Daily Maximum mg/l	Max 0.16	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Un-ionized Ammonia as N RW2 Annual Median mg/l	Max 0.025	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Un-ionized Ammonia as N RW3 Daily Maximum mg/l	Max 0.16	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Un-ionized Ammonia as N RW3 Annual Median mg/l	Max 0.025	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Un-ionized Ammonia as N RW4 Daily Maximum mg/l	Max 0.16	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Un-ionized Ammonia as N RW4 Annual Median mg/l	Max 0.025	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Un-ionized Ammonia as N RW5 Daily Maximum mg/l	Max 0.16	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Un-ionized Ammonia as N RW5 Annual Median mg/l	Max 0.025	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Un-ionized Ammonia as N CR1 Daily Maximum mg/l	Max 0.16	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Un-ionized Ammonia as N CR3 Annual Median mg/l	Max 0.025	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

Central Contra Costa January 2009 E-001

Day	Daily Minimum Eff Flow mgd NA	Daily Maximum Eff Flow mgd NA	Daily Average Eff Flow mgd NA	Monthly Total Eff Flow Mgal NA	Monthly Average Eff Flow mgd NA	Daily Maximum Inf CBOD mg/l NA	Daily Loading Inf CBOD kg/d NA	Monthly Average Inf CBOD mg/l NA	Daily Maximum Eff CBOD mg/l Max 50	Daily Loading Eff CBOD kg/d NA	Daily Removal Eff CBOD % NA	Weekly Average Eff CBOD mg/l Max 40	Monthly Average Eff CBOD mg/l Max 25	Monthly Removal Eff CBOD % Min 85	Daily Maximum Inf TSS mg/l NA
01	18.3	51.2	38			175			5	5	97.1				191
02	30.4	52	39.7			221			6	6	97.3				223
03	20.3	53.4	39.1									6.2			231
04	14.1	53.3	40												224
05	20.9	57.2	38			257			7	7	97.3				207
06	18.3	55.7	39			207			5	5	97.6				226
07	18.8	56.3	37			211			5	5	97.6				218
08	17	48.7	36.6			202			3	3	98.5				216
09	17.1	51.9	37.5			190			4	4	97.9				233
10	17.8	51.2	37									4.8			150
11	16.6	47	38												255
12	19.3	53.5	37			230			8	8	96.5				214
13	18.9	46.7	36			213			8	8	96.2				241
14	17.1	49.9	36.6			176			5	5	97.2				205
15	17.1	48.5	36.3			191			6	6	96.9				202
16	16.5	51.5	37.3			206			5	5	97.6				207
17	18	55.6	37.7									6.4			224
18	16	48.6	36.5												240
19	18.9	49.7	38.1			229			6	6	97.4				222
20	17.9	51.8	34.2												199
21	16.5	48.5	33												198
22	39.8	60.7	44.4			200			5	5	97.5				211
23	20.8	48.5	40.8												199
24	19.5	49.8	40.6			172			4	4	97.7	5			196
25	20	47.4	39.3												177
26	33.4	44.7	37.3			166			6	6	96.4				190
27	15.1	47.1	36.2			166			5	5	97				193
28	18.9	52.3	38			164			4	4	97.6				188
29	20.2	51.8	37			180			4	4	97.8				214
30	29.5	44.8	38.8			124			5	5	96				188
31	16.6	51.2	37.2	1172.2	37.81			194				4.8	5.3	97	211
Min	14.1	44.7	33	1172.2	37.81	124		194	3	3	96	4.8	5.3	97	150
Max	39.8	60.7	44.4	1172.2	37.81	257		194	8	8	98.5	6.4	5.3	97	255
Avg	19.9871	50.9839	37.8129	1172.2	37.81	194		194	5.3	5.3	97.255	5.44	5.3	97	209.4516

Approved: BSMalik

Printed 2/23/2009 10:01:24 AM

Central Contra Costa January 2009 E-001

Day	Daily Loading Inf TSS kg/d NA	Monthly Average Inf TSS mg/l NA	Daily Maximum Eff TSS mg/l Max 60	Daily Loading Eff TSS kg/d Max	Daily Removal Eff TSS % NA	Weekly Average Eff TSS mg/l Max 45	Monthly Average Eff TSS mg/l Max 30	Monthly Removal Eff TSS % Min 85	<	Daily Maximum Eff O&G mg/l Max 20	<	Monthly Average Eff O&G mg/l Max 10	Daily Minimum Eff DO mg/l NA	<	Grab Maximum Eff DissS mg/l NA	Monthly Average Eff DissS mg/l NA
01			7		96.3								6			
02			7		96.9								5.92			
03			8		96.5	6.86							6.19			
04			7		96.9								6.45			
05			7		96.6								6.04			
06			6		97.3				ND	2			6.06			
07			5		97.7								6.09			
08			4		98.1								6.21			
09			4		98.3								6.13			
10			6		96	5.57							6.39			
11			8		96.9								6.19			
12			6		97.2								6.01			
13			7		97.1								6.07			
14			5		97.6								6.07			
15			4		98								6.13			
16			4		98.1								5.97			
17			5		97.8	5.57							5.92			
18			7		97.1								6.48			
19			7		96.8								6.05			
20			5		97.5								6.15			
21			6		97								5.93			
22			5		97.6								5.35			
23			8		96								6.07			
24			5		97.4	6.14							6.2			
25			6		96.6								5.57			
26			6		96.8								5.94			
27			5		97.4								6.18			
28			4		97.9								6.12			
29			4		98.1								6.15			
30			4		97.9								6.31			
31		209.45	5		97.6	4.86	5.71	97			ND	2	5.92			
Min		209.45	4		96	4.86	5.71	97	ND	2	ND	2	5.35			
Max		209.45	8		98.3	6.86	5.71	97	ND	2	ND	2	6.48			
Avg		209.45	5.7097		97.2581	5.8	5.71	97	ND	2	ND	2	6.0729			

Approved: [signature]

Printed 2/23/2009 10:01:24 AM

Central Contra Costa January 2009 E-001

Day	Cont Minimum Eff pH unit Min 6	Cont Maximum Eff pH unit Max 9	Grab Maximum Eff Temp C NA	Daily Maximum Eff NH3 mg/l NA	Monthly Average Eff NH3 mg/l NA	<	Daily Maximum Eff Enterococci MPN/100 ml	Monthly Median Eff Enterococci MPN/100 ml	<	Daily Maximum Eff ChronicTox TUc Max 20	<	3Samp Median Eff ChronicTox TUc Max 10	96-hour -- Eff Test1 S-index NA	Daily Minimum Eff Test1 Specie %Sur NA	11Samp 90th% Eff Test1 Specie %Sur Min 70	11Samp MovingMed Eff Test1 Specie %Sur	<
01	7.49	7.49	18.4	24.9			7										
02	7.54	7.54	19.7	26			17										
03	7.39	7.39	20.5	28													
04	7.55	7.55	20	27.4													
05	7.5	7.5	19.5	25.5			10										
06	7.55	7.55	19.7	24.6			17			11.2		7.5					
07	7.55	7.55	20.2	26			10										
08	7.54	7.54	20.3	28.4			8										
09	7.5	7.5	20.1	28.8			15										
10	7.56	7.56	20.2	30.2													
11	7.5	7.5	20.1	28.6													
12	7.53	7.53	20.6	27.4			48										
13	7.57	7.57	20.8	25.5			8							100	92.5	98	
14	7.64	7.64	20.1	25.7			11										
15	7.61	7.61	20.4	28			4										
16	7.6	7.6	20.8	28			7										
17	7.55	7.55	20.3	27													
18	7.52	7.52	21	27.2													
19	7.47	7.47	21.3	25.8			3										
20	7.6	7.6	20.1	27.4			2			8.3		8.3					
21	7.55	7.55	20	25.2			10										
22	7.55	7.55	20	27.4			10										
23	7.5	7.5	20	26.3			7										
24	7.52	7.52	20	24.1													
25	7.51	7.51	19.5	22.4													
26	7.52	7.52	19.8	25.5			6										
27	7.55	7.55	19.7	24.4			5										
28	7.53	7.53	19.6	25.9			15										
29	7.58	7.58	19.3	27.2			10										
30	7.58	7.58	19.1	27.9			11										
31	7.56	7.56	20.4	26.7	26.56			10									
Min	7.39	7.39	18.4	22.4	26.56		2	10		8.3		7.5		100	92.5	98	
Max	7.64	7.64	21.3	30.2	26.56		48	10		11.2		8.3		100	92.5	98	
Avg	7.539	7.539	20.0484	26.5613	26.56		10.9545	10		9.75		7.9		100	92.5	98	

Approved: BSDhalil

Printed 2/23/2009 10:01:24 AM

Central Contra Costa January 2009 E-001

Day	Daily Maximum Eff Cu ug/l Max 20	<	Monthly Average Eff Cu ug/l Max 14	<	Monthly Loading Eff Cu kg/month NA	<	Daily Maximum Eff Pb ug/l Max 8.2	<	Monthly Average Eff Pb ug/l Max 3.5	<	Daily Maximum Eff Hg ug/l NA	<	Daily Loading Eff Hg kg/d NA	<	Weekly Average Eff Hg ug/l Max 0.072	<	Monthly Average Eff Hg ug/l Max 0.066	<	Monthly Loading Eff Hg kg/month NA
01																			
02																			
03																			
04																			
05																			
06																			
07	9.41						0.62				0.01		0.0014						
08																			
09																			
10															0.01				
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31			9.41		41.82				0.62								0.01		0.0444
Min	9.41		9.41		41.82		0.62		0.62		0.01		0.0014		0.01		0.01		0.0444
Max	9.41		9.41		41.82		0.62		0.62		0.01		0.0014		0.01		0.01		0.0444
Avg	9.41		9.41		41.82		0.62		0.62		0.01		0.0014		0.01		0.01		0.0444

Approved: B S Dhaliwal

Printed 2/23/2009 10:01:24 AM

Central Contra Costa January 2009 E-001

Day	<	Monthly MovingAvg Eff Hg kg/month NA	<	Annual Loading Eff Hg kg/year Max 2.23	<	Daily Maximum Eff CN ug/l Max 45	<	Monthly Average Eff CN ug/l Max 20	<	Daily Maximum Eff Acrylonitr ug/l Max 13	<	Monthly Average Eff Acrylonitr ug/l Max 6.3	<	Daily Maximum Eff TCDD-TEQ pg/L NA	<	Monthly Average Eff TCDD-TEQ pg/L NA	<	Monthly Average Eff TCDD-TEQ pg/L	Monthly MovingAvg Eff TCDD-TEQ mg/kg
01																			
02																			
03																			
04																			
05																			
06					ND	1.5													
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31		0.0589		0.7066			ND	1.5											
Min		0.0589		0.7066	ND	1.5	ND	1.5											
Max		0.0589		0.7066	ND	1.5	ND	1.5											
Avg		0.0589		0.7066	ND	1.5	ND	1.5											

Approved: BSDhaly

Printed 2/23/2009 10:01:24 AM

Central Contra Costa January 2009 E-001 (13267 Study) Metals,Cyanide and Solids

Day	<	Daily Maximum Eff TRIBUTYLTIN ug/l NA	<	Daily Maximum Eff Antinomy ug/l NA	<	Daily Maximum Eff As ug/l NA	<	Daily Maximum Eff Beryllium ug/l NA	<	Daily Maximum Eff Cd ug/l NA	<	Daily Maximum Eff Cr ug/l NA	<	Daily Maximum Eff Chrom(III) ug/l NA	<	Daily Maximum Eff Cr6 ug/l NA	<	Daily Maximum Eff Cu ug/l NA	<
01																			
02																			
03																			
04																			
05																			
06		0.003																	
07			DNQ	0.26	DNQ	0.63	ND	0.03	ND	0.02	DNQ	0.36						9.41	
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Min		0.003	DNQ	0.26	DNQ	0.63	ND	0.03	ND	0.02	DNQ	0.36						9.41	
Max		0.003	DNQ	0.26	DNQ	0.63	ND	0.03	ND	0.02	DNQ	0.36						9.41	
Avg		0.003	DNQ	0.26	DNQ	0.63	ND	0.03	ND	0.02	DNQ	0.36						9.41	

Approved: B Sinnaly

Printed 2/23/2009 10:01:05 AM

Central Contra Costa January 2009 E-001 (13267 Study) Metals,Cyanide and Solids

Day	Daily Maximum Eff Pb ug/l NA	<	Daily Maximum Eff Hg ug/l NA	<	Daily Maximum Eff Ni ug/l NA	<	Daily Maximum Eff Se ug/l NA	<	Daily Maximum Eff Ag ug/l NA	<	Daily Maximum Eff Thallium ug/l NA	<	Daily Maximum Eff Zn ug/l NA	<	Daily Maximum Eff CN ug/l NA	<	Daily Maximum Eff Asbestos fibers/L NA	Daily Maximum Eff Total Solids mg/l NA
01																		
02																		
03																		
04																		
05																		
06														ND	1.5			
07	0.62		0.01		1.83	DNQ	0.38	DNQ	0.13	ND	0.01		34.2					478
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
Min	0.62		0.01		1.83	DNQ	0.38	DNQ	0.13	ND	0.01		34.2	ND	1.5			478
Max	0.62		0.01		1.83	DNQ	0.38	DNQ	0.13	ND	0.01		34.2	ND	1.5			478
Avg	0.62		0.01		1.83	DNQ	0.38	DNQ	0.13	ND	0.01		34.2	ND	1.5			478

Approved: BSmalley

Printed 2/23/2009 10:01:05 AM

Central Contra Costa January 2009 INF-001

Day	Daily Average Inf Flow mgd NA	Monthly Minimum Inf Flow mgd NA	Monthly Maximum Inf Flow mgd NA	Monthly Total Inf Flow Mgal NA	Monthly Average Inf Flow mgd NA
01	38.2				
02	39.3				
03	39.2				
04	40.5				
05	38.2				
06	39.3				
07	37.5				
08	37.4				
09	37.9				
10	37.5				
11	38.1				
12	37.4				
13	36.3				
14	36.6				
15	36.5				
16	37.2				
17	37.8				
18	36.6				
19	38.4				
20	36.3				
21	36.1				
22	44.2				
23	41.6				
24	41.5				
25	40.4				
26	38.7				
27	38.2				
28	38.2				
29	37.4				
30	41.9				
31	38.6	36.1	44.2	1193	38.48
Min	36.1	36.1	44.2	1193	38.48
Max	44.2	36.1	44.2	1193	38.48
Avg	38.4839	36.1	44.2	1193	38.48

Approved: Bs Dnahl

Printed 2/23/2009 10:25:04 AM

Central Contra Costa January 2009 Receiving Water

Day	Daily Maximum RW1 Turb NTU NA	Daily Maximum RW2 Turb NTU NA	Daily Maximum RW3 Turb NTU NA	Daily Maximum RW4 Turb NTU NA	Daily Maximum RW5 Turb NTU NA	Daily Maximum CR1 Turb NTU NA	<	Daily Minimum RW1 DO mg/l Min 7	<	Daily Minimum RW2 DO mg/l Min 7	<	Daily Minimum RW3 DO mg/l Min 7	<	Daily Minimum RW4 DO mg/l Min 7	<	Daily Minimum RW5 DO mg/l Min 7	<	Daily Minimum CR1 DO mg/l Min 7
01																		
02																		
03																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21	14	14	14	15	13	12		10.3		10.6		10.7		10.6		10.6		10.6
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
Min	14	14	14	15	13	12		10.3		10.6		10.7		10.6		10.6		10.6
Max	14	14	14	15	13	12		10.3		10.6		10.7		10.6		10.6		10.6
Avg	14	14	14	15	13	12		10.3		10.6		10.7		10.6		10.6		10.6

Approved: [signature]

Printed 2/23/2009 9:59:58 AM

Central Contra Costa January 2009 Receiving Water

Day	Grab Minimum RW1 DOSat % NA	Quarter Median RW1 DOSat % Min 80	Grab Minimum RW2 DOSat % NA	Quarter Median RW2 DOSat % Min 80	Grab Minimum RW3 DOSat % NA	Quarter Median RW3 DOSat % Min 80	Grab Minimum RW4 DOSat % NA	Quarter Median RW4 DOSat % Min 80	Grab Minimum RW5 DOSat % NA	Quarter Median RW5 DOSat % Min 80	Grab Minimum CR1 DOSat % NA	Quarter Median CR1 DOSat % Min 80	<	Grab Maximum RW1 DissS mg/l Max 0.1	<	Grab Maximum RW2 DissS mg/l Max 0.1
01																
02																
03																
04																
05																
06																
07																
08																
09																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21	106		107		108		108		108		107		ND	0.1	ND	0.1
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
Min	106		107		108		108		108		107		ND	0.1	ND	0.1
Max	106		107		108		108		108		107		ND	0.1	ND	0.1
Avg	106		107		108		108		108		107		ND	0.1	ND	0.1

Approved: BSDhalil

Printed 2/23/2009 9:59:58 AM

Central Contra Costa January 2009 Receiving Water

Day	<	Grab Maximum RW3 DissS mg/l Max 0.1	<	Grab Maximum RW4 DissS mg/l Max 0.1	<	Grab Maximum RW5 DissS mg/l Max 0.1	<	Grab Maximum CR1 DissS mg/l Max 0.1	Grab Minimum RW1 pH unit Min 6.5	Grab Maximum RW1 pH unit Max 8.5	Grab Minimum RW2 pH unit Min 6.5	Grab Maximum RW2 pH unit Max 8.5	Grab Minimum RW3 pH unit Min 6.5	Grab Maximum RW3 pH unit Max 8.5	Grab Minimum RW4 pH unit Min 6.5	Grab Maximum RW4 pH unit Max 8.5	Grab Minimum RW5 pH unit Min 6.5
01																	
02																	
03																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.5	7.6
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
Min	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.5	7.6
Max	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.5	7.6
Avg	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.5	7.6

Approved: Bs Drebing

Printed 2/23/2009 10:16:34 AM

Central Contra Costa January 2009 Receiving Water

Day	Grab Maximum RW5 pH unit Max 8.5	Grab Maximum CR1 pH unit Max 8.5	Grab Maximum RW1 Temp C NA	Grab Maximum RW2 Temp C NA	Grab Maximum RW3 Temp C NA	Grab Maximum RW4 Temp C NA	Grab Maximum RW5 Temp C NA	Grab Maximum CR1 Temp C NA	Instant -- RW1 Hardness mg/l NA	Instant -- RW2 Hardness mg/l NA	Instant -- RW3 Hardness mg/l NA	Instant -- RW4 Hardness mg/l NA	Instant -- RW5 Hardness mg/l NA	Instant -- CR1 Hardness mg/l NA	Grab Observ RW1 Salinity ppt NA
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21	7.6	7.7	11	10.5	10.5	10.7	10.8	10.8	3600	3400	3500	3567	3300	3400	19.2
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Min	7.6	7.7	11	10.5	10.5	10.7	10.8	10.8	3600	3400	3500	3567	3300	3400	19.2
Max	7.6	7.7	11	10.5	10.5	10.7	10.8	10.8	3600	3400	3500	3567	3300	3400	19.2
Avg	7.6	7.7	11	10.5	10.5	10.7	10.8	10.8	3600	3400	3500	3567	3300	3400	19.2

Approved: BSirhabi

Printed 2/23/2009 9:59:58 AM

Central Contra Costa January 2009 Receiving Water

Day	Grab Observ RW2 Salinity ppt NA	Grab Observ RW3 Salinity ppt NA	Grab Observ RW4 Salinity ppt NA	Grab Observ RW5 Salinity ppt NA	Grab Observ CR1 Salinity ppt NA	Instant Observ RW1 Conduct umho/cm NA	Instant Observ RW2 Conduct umho/cm NA	Instant Observ RW3 Conduct umho/cm NA	Instant Observ RW4 Conduct umho/cm NA	Instant Observ RW5 Conduct umho/cm NA	Instant Observ CR1 Conduct umho/cm NA	Instant Observ RW1 Odor NA	Instant Observ RW2 Odor NA	Instant Observ RW3 Odor NA	Instant Observ RW4 Odor NA
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21	19	19.1	19.2	18.4	17.7	30590	30610	30580	30770	29680	28810	0	0	0	0
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Min	19	19.1	19.2	18.4	17.7	30590	30610	30580	30770	29680	28810	0	0	0	0
Max	19	19.1	19.2	18.4	17.7	30590	30610	30580	30770	29680	28810	0	0	0	0
Avg	19	19.1	19.2	18.4	17.7	30590	30610	30580	30770	29680	28810	0	0	0	0

Approved: BSDhalwal

Printed 2/23/2009 9:59:58 AM

Central Contra Costa January 2009 Receiving Water

Day	Instant Observ RW5 Odor	Instant Observ CR1 Odor	Instant Observ RW1 Float	Instant Observ RW2 Float	Instant Observ RW3 Float	Instant Observ RW4 Float	Instant Observ RW5 Float	Instant Observ CR1 Float	Instant Observ RW1 Oil	Instant Observ RW2 Oil	Instant Observ RW3 Oil	Instant Observ RW4 Oil	Instant Observ RW5 Oil	Instant Observ CR1 Oil	Instant Observ RW1 Suspend
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Approved: BsDhalil

Printed 2/23/2009 9:59:58 AM

Central Contra Costa January 2009 Receiving Water

Day	Instant Observ RW2 Suspend NA	Instant Observ RW3 Suspend NA	Instant Observ RW4 Suspend NA	Instant Observ RW5 Suspend NA	Instant Observ CR1 Suspend NA	<	Daily Maximum RW1 NH3 mg/l NA	<	Daily Maximum RW2 NH3 mg/l NA	<	Daily Maximum RW3 NH3 mg/l NA	<	Daily Maximum RW4 NH3 mg/l NA	<	Daily Maximum RW5 NH3 mg/l NA	<	Daily Maximum CR1 NH3 mg/l NA	<
01																		
02																		
03																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21	0	0	0	0	0	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
Min	0	0	0	0	0	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND
Max	0	0	0	0	0	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND
Avg	0	0	0	0	0	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND

Approved: Bsnnah

Printed 2/23/2009 10:21:15 AM

Central Contra Costa January 2009 Receiving Water

Day	Daily Maximum RW1 Un-ionNH 3 mg/l Max 0.16	<	Annual Median RW1 Un-ionNH 3 mg/l Max 0.025	<	Daily Maximum RW2 Un-ionNH 3 mg/l Max 0.16	<	Annual Median RW2 Un-ionNH 3 mg/l Max 0.025	<	Daily Maximum RW3 Un-ionNH 3 mg/l Max 0.16	<	Annual Median RW3 Un-ionNH 3 mg/l Max 0.025	<	Daily Maximum RW4 Un-ionNH 3 mg/l Max 0.16	<	Annual Median RW4 Un-ionNH 3 mg/l Max 0.025	<	Daily Maximum RW5 Un-ionNH 3 mg/l Max 0.16	<	Annual Median RW5 Un-ionNH 3 mg/l Max 0.025
01																			
02																			
03																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21	0.001			ND	0.001			ND	0.001			ND	0.001			ND	0.001		
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Min	0.001			ND	0.001			ND	0.001			ND	0.001			ND	0.001		
Max	0.001			ND	0.001			ND	0.001			ND	0.001			ND	0.001		
Avg	0.001			ND	0.001			ND	0.001			ND	0.001			ND	0.001		

Approved: Bsonehl

Printed 2/23/2009 10:21:15 AM

Central Contra Costa January 2009 Receiving Water

Day	<	Daily Maximum CR1 Un-ionNH 3 mg/l Max 0.16	<	Annual Median CR3 Un-ionNH 3 mg/l Max 0.025	<	Daily Maximum RW1 FecalColi MPN/100 ml NA	<	Daily Maximum RW2 FecalColi MPN/100 ml NA	<	Daily Maximum RW3 FecalColi MPN/100 ml NA	<	Daily Maximum RW4 FecalColi MPN/100 ml NA	<	Daily Maximum RW5 FecalColi MPN/100 ml NA	<	Daily Maximum CR1 FecalColi MPN/100 ml NA	<	Daily Maximum RW1 TotalColi mpn/100 ml NA	<
01																			
02																			
03																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21	ND	0.001			ND	20	ND	20		20	ND	20	ND	20	ND	20	ND	20	ND
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Min	ND	0.001			ND	20	ND	20		20	ND	20	ND	20	ND	20	ND	20	ND
Max	ND	0.001			ND	20	ND	20		20	ND	20	ND	20	ND	20	ND	20	ND
Avg	ND	0.001			ND	20	ND	20		20	ND	20	ND	20	ND	20	ND	20	ND

Approved: [signature]

Printed 2/23/2009 10:21:15 AM

Central Contra Costa January 2009 Receiving Water

Day	Daily Maximum RW2 TotalColi mpn/100 ml NA	<	Daily Maximum RW3 TotalColi mpn/100 ml NA	<	Daily Maximum RW4 TotalColi mpn/100 ml NA	<	Daily Maximum RW5 TotalColi mpn/100 ml NA	<	Daily Maximum CR1 TotalColi mpn/100 ml NA	<	Daily Maximum RW1 Enterococci MPN/100 ml	<	Daily Maximum RW2 Enterococci MPN/100 ml	<	Daily Maximum RW3 Enterococci MPN/100 ml	<	Daily Maximum RW4 Enterococci MPN/100 ml	<	Daily Maximum RW5 Enterococci MPN/100 ml
01																			
02																			
03																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21	20		20		20	ND	20	ND	20	ND	10	ND	10	ND	10	ND	10	ND	10
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Min	20		20		20	ND	20	ND	20	ND	10	ND	10	ND	10	ND	10	ND	10
Max	20		20		20	ND	20	ND	20	ND	10	ND	10	ND	10	ND	10	ND	10
Avg	20		20		20	ND	20	ND	20	ND	10	ND	10	ND	10	ND	10	ND	10

Approved: Bsonnah

Printed 2/23/2009 10:21:15 AM

Central Contra Costa January 2009 Receiving Water

Day	<	Daily Maximum CR1 Enterococci MPN/100 ml	<	Grab Maximum RW1 CN ug/l NA	<	Grab Maximum RW2 CN ug/l NA
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21	ND	10				
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Min	ND	10				
Max	ND	10				
Avg	ND	10				

Approved: BSDhalil

Printed 2/23/2009 10:21:15 AM