Central Contra Costa Sanitary District

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ELAINE R. BOEHME
Secretary of the District

December 12, 2008

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

Dear Ms. Tang:

Enclosed is the November 2008 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

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DISCHARGER'S MONITORING PROGRAM REPORT

REPORTING DISCHARGER: Central Contra Costa Sanitary District

DATE OF REPORT: December 12, 2008

REPORTING PERIOD: November 2008

COMMENTS:

The following reports for influent, effluent, receiving water, and loading summaries cover the month of November 2008. 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.

BSDhaliwal

Bhupinder S. Dhaliwal
Laboratory Superintendent

BSD:msb
Attachments

CENTRAL CONTRA COSTA SANITARY DISTRICT
EFFLUENT E-001
CHRONIC TOXICITY DATA
NOVEMBER 2008

Month	Date	Red Abalone Toxicity TU*
February	February 21, 2007	7.6
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
3-Sample Median		7.5

* 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 2,3,7,8 - TCDD EQUIVALENTS
NOVEMBER 2008

	2,3,7,8 – TCDD Equivalent mg/month	
Month	Monthly Total	Running Annual Average**
November 2007	--	0.00
December 2007	--	0.00
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

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

CENTRAL CONTRA COSTA SANITARY DISTRICT
EFFLUENT E-001
MASS LOADINGS OF MERCURY
NOVEMBER 2008

	MERCURY	
Month	Monthly Total Kg/month	Running Annual Average* Kg/year
March 2008	0.077	--
April 2008	0.072	--
May 2008	0.062	--
June 2008	0.068	--
July 2008	0.046	--
August 2008	0.040	--
September 2008	0.050	--
October 2008	0.067	--
November 2008	0.074	--

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

CENTRAL CONTRA COSTA SANITARY DISTRICT
EFFLUENT E-001
ACUTE TOXICITY (FLOW-THROUGH) DATA*
NOVEMBER 2008

MONTH	DATE	FAT-HEAD MINNOW PERCENT SURVIVAL
January 2008	01/09/08	100
February 2008	02/13/08	82.5
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
11 Sample Median		96.2
11 Sample 90th Percentile		90

* 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.

2008 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	0/18	0/15	0/15	0/15	0/17	0/18	0/18	0/15	0/17	0/17	0/18	0/0	0/183
CarbonaceousBOD Eff Weekly Average mg/l	Max 40	0/4	0/4	0/5	0/4	0/5	0/4	0/4	0/5	0/4	0/4	0/5	0/0	0/48
CarbonaceousBOD Eff Monthly Average mg/l	Max 25	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
CarbonaceousBOD Eff Monthly Removal %	Min 85	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Total Suspended Solids Eff Daily Maximum mg/l	Max 60	0/31	0/28	0/31	0/30	0/31	0/30	0/31	0/31	0/30	0/30	0/30	0/0	0/333
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	0/4	0/4	0/5	0/4	0/5	0/4	0/4	0/5	0/4	0/4	0/5	0/0	0/48
Total Suspended Solids Eff Monthly Average mg/l	Max 30	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Total Suspended Solids Eff Monthly Removal %	Min 85	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Oil and Grease Eff Daily Maximum mg/l	Max 20	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Oil and Grease Eff Monthly Average mg/l	Max 10	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH Eff Cont Minimum unit	Min 6	0/31	0/29	0/31	0/30	0/31	0/30	0/31	0/31	0/30	0/31	0/30	0/0	0/335
pH Eff Cont Maximum unit	Max 9	0/31	0/29	0/31	0/30	0/31	0/30	0/31	0/31	0/30	0/31	0/30	0/0	0/335
Enterococci Eff Monthly Median MPN/100ml	Max 35	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Chronic Toxicity Eff Daily Maximum TUc	Max 20	0/0	0/1	0/0	0/1	0/0	0/1	0/0	0/0	0/1	0/1	0/1	0/0	0/6
Chronic Toxicity Eff 3Samp Median TUc	Max 10	0/0	0/1	0/0	0/1	0/0	0/1	0/0	0/0	0/1	0/1	0/1	0/0	0/6
Test1 Specie Eff 11Samp 90th% %Sur	Min 70	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Test1 Specie Eff 11Samp MovingMed %Sur	Min 90	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Copper Eff Daily Maximum ug/l	Max 20	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Copper Eff Monthly Average ug/l	Max 14	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Lead Eff Daily Maximum ug/l	Max 8.2	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Lead Eff Monthly Average ug/l	Max 3.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Mercury Eff Weekly Average ug/l	Max 0.072	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/1	0/1	0/0	0/3
Mercury Eff Monthly Average ug/l	Max 0.066	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Mercury Eff Annual Loading kg/year	Max 2.23	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/1	0/1	0/0	0/3
Cyanide Eff Daily Maximum ug/l	Max 45	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Cyanide Eff Monthly Average ug/l	Max 20	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/1	0/1	0/0	0/3
Acrylonitrile Eff Daily Maximum ug/l	Max 13	0/1	0/1	0/1	0/0	0/1	0/0	0/1	0/1	0/1	0/0	0/1	0/0	0/8
Acrylonitrile Eff Monthly Average ug/l	Max 6.3	0/1	0/1	0/1	0/0	0/1	0/0	0/1	0/1	0/1	0/0	0/1	0/0	0/8
TCDD-TEQ Eff Monthly MovingAvg mg/kg	Max 0.836	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/2
Monitoring Point Receiving Water														0/0
Dissolved Oxygen RW1 Daily Minimum mg/l	Min 7	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Oxygen RW2 Daily Minimum mg/l	Min 7	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Oxygen RW3 Daily Minimum mg/l	Min 7	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Oxygen RW4 Daily Minimum mg/l	Min 7	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Oxygen RW5 Daily Minimum mg/l	Min 7	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Oxygen CR1 Daily Minimum mg/l	Min 7	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
DO Saturation RW1 Quarterly Median %	Min 80	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/0	0/3
DO Saturation RW2 Quarterly Median %	Min 80	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/0	0/3
DO Saturation RW3 Quarterly Median %	Min 80	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/0	0/3

2008 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	0/1	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/0	0/3
DO Saturation RW5 Quarterly Median %	Min 80	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/0	0/3
DO Saturation CR1 Quarterly Median %	Min 80	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/1	0/0	0/0	0/0	0/3
Dissolved Sulfite RW1 Grab Maximum mg/l	Max 0.1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Sulfite RW2 Grab Maximum mg/l	Max 0.1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Sulfite RW3 Grab Maximum mg/l	Max 0.1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Sulfite RW4 Grab Maximum mg/l	Max 0.1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Sulfite RW5 Grab Maximum mg/l	Max 0.1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Dissolved Sulfite CR1 Grab Maximum mg/l	Max 0.1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW1 Grab Minimum unit	Min 6.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW1 Grab Maximum unit	Max 8.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW2 Grab Minimum unit	Min 6.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW2 Grab Maximum unit	Max 8.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW3 Grab Minimum unit	Min 6.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW3 Grab Maximum unit	Max 8.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW4 Grab Minimum unit	Min 6.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW4 Grab Maximum unit	Max 8.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW5 Grab Minimum unit	Min 6.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH RW5 Grab Maximum unit	Max 8.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
pH CR1 Grab Maximum unit	Max 8.5	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
Un-ionized Ammonia as N RW1 Daily Maximum mg/l	Max 0.16	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
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	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
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	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
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	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
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	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
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	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/0	0/11
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 November 2008 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	8.6	62	44									5.33			227
02	17.9	61	43												230
03	8	54	41.3			206			7	7	96.6				209
04	16.7	53	40.2			180			6	6	96.7				208
05	15.4	52	37.4			167			4	4	97.6				189
06	13.4	51.7	37.7			165			4	4	97.6				183
07	7.3	56.6	36.3			211			6	6	97.2				213
08	6.8	57	37.4									5.4			248
09	8.1	55	37.1												186
10	6.1	50	36.6			209			6	6	97.1				217
11	9.4	51	37.2			160			5	5	96.9				211
12	15.7	55.4	36.5			172			6	6	96.5				201
13	8.4	55.3	35.1			159			7	7	95.6				222
14	13.1	54.3	36.5			188			7	7	96.3				205
15	13.2	55	36.2									6.2			232
16	11.2	52.6	36.4												238
17	10.8	51	36.1			219			8	8	96.3				218
18	10.5	53.8	35.3			196			9	9	95.4				228
19	10.6	44	37.4			179			9	9	95				204
20	18.4	51.5	35.1			243			11	11	95.5				198
21	12.6	55.2	35.9												207
22	6.6	58	36.8									9.25			217
23	8.4	53	36.4												216
24	11.6	55.4	35			208			6	6	97.1				215
25	12.4	52.6	34.3			189			6	6	96.8				221
26	3	50	36.9			207			7	7	96.6				228
27	6	52	37.7												233
28	12.7	50	35.3			283			6	6	97.9				241
29	10.6	57	36.4									6.25			234
30	12.3	54	37.2	1114.7	37.16			196.72					6.67	97	206
Min	3	44	34.3	1114.7	37.16	159		196.72	4	4	95	5.33	6.67	97	183
Max	18.4	62	44	1114.7	37.16	283		196.72	11	11	97.9	9.25	6.67	97	248
Avg	10.86	53.78	37.1567	1114.7	37.16	196.7222		196.72	6.6667	6.6667	96.5944	6.486	6.67	97	216.1667

Approved: B S Dhaliwal

Printed 12/9/2008 3:44:30 PM

Central Contra Costa November 2008 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			6		97.4	6.5							5.8			
02			5		97.8								5.63			
03			6		97.1				ND	2			5.5			
04			5		97.6								5.69			
05			6		96.8								5.88			
06			6		96.7								5.75			
07			6		97.2								5.73			
08			8		96.8	6							5.64			
09			9		95.2								5.82			
10			9		95.9								5.63			
11			7		96.7								5.57			
12			7		96.5								5.78			
13			7		96.8								5.94			
14			6		97.1								5.41			
15			5		97.8	7.14							6			
16			8		96.6								6.8			
17			8		96.3								5.66			
18			8		96.5								5.72			
19			9		95.6								5.92			
20			8		96								5.4			
21			8		96.1								5.57			
22			8		96.3	8.14							5.92			
23			9		95.8								5.48			
24			8		96.3								5.65			
25			7		96.8								5.11			
26			7		96.9								5.5			
27			8		96.6								5.62			
28			6		97.5								5.27			
29			7		97	7.43							5.23			
30		216.17	6		97.1		7.1	97			ND	2	5.79			
Min		216.17	5		95.2	6	7.1	97	ND	2	ND	2	5.11			
Max		216.17	9		97.8	8.14	7.1	97	ND	2	ND	2	6.8			
Avg		216.17	7.1		96.6933	7.042	7.1	97	ND	2	ND	2	5.6803			

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Central Contra Costa November 2008 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	7.56	7.56	23.5	25.1													
02	7.37	7.37	23.8	22.4													
03	7.47	7.47	23.3	19			12										
04	7.5	7.5	22.1	19.9			9							98	90	96.3	
05	7.49	7.49	23.2	19			4			7.5		7.5					
06	7.52	7.52	23.8	20.8			10										
07	7.46	7.46	24	20.4			20										
08	7.46	7.46	22.9	21.1													
09	7.48	7.48	23.8	20.2													
10	7.48	7.48	23.8	20.2			17										
11	7.49	7.49	22	18.4			19										
12	7.47	7.47	23.9	19.6			4										
13	7.47	7.47	23.9	19.6			2										
14	7.49	7.49	22.5	20.6			5										
15	7.51	7.51	23.2	23													
16	7.47	7.47	23.8	21.6													
17	7.44	7.44	22.9	22.2			4										
18	7.52	7.52	22.7	18			6										
19	7.48	7.48	23.4	19.3			5										
20	7.64	7.64	23.5	20.8			6										
21	7.52	7.52	22.8	21.9			7										
22	7.47	7.47	22.3	23.4													
23	7.46	7.46	23.5	22.6													
24	7.54	7.54	22.5	22.5			4										
25	7.48	7.48	22.9	22.5			14										
26	7.52	7.52	22.9	23.3			8										
27	7.46	7.46	22	22.8			8										
28	7.5	7.5	22.4	23.6			3										
29	7.49	7.49	21.7	21.2													
30	7.46	7.46	23.3	23.6	21.29			6									
Min	7.37	7.37	21.7	18	21.29		2	6		7.5		7.5		98	90	96.3	
Max	7.64	7.64	24	25.1	21.29		20	6		7.5		7.5		98	90	96.3	
Avg	7.489	7.489	23.0767	21.2867	21.29		8.35	6		7.5		7.5		98	90	96.3	

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Central Contra Costa November 2008 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	8.91						0.73				0.016		0.0024						
05																			
06																			
07																			
08															0.016				
09																			
10																			
11																			
12																			
13																			
14																			
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24																			
25																			
26																			
27																			
28																			
29																			
30			8.91		37.65				0.73								0.016		0.0676
Min	8.91		8.91		37.65		0.73		0.73		0.016		0.0024		0.016		0.016		0.0676
Max	8.91		8.91		37.65		0.73		0.73		0.016		0.0024		0.016		0.016		0.0676
Avg	8.91		8.91		37.65		0.73		0.73		0.016		0.0024		0.016		0.016		0.0676

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Central Contra Costa November 2008 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					DNQ	2.8			ND	1									
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
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21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30		0.0712		0.8543			DNQ	2.8			ND	1							
Min		0.0712		0.8543	DNQ	2.8	DNQ	2.8	ND	1	ND	1							
Max		0.0712		0.8543	DNQ	2.8	DNQ	2.8	ND	1	ND	1							
Avg		0.0712		0.8543	DNQ	2.8	DNQ	2.8	ND	1	ND	1							

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Central Contra Costa November 2008 E-001 (13267 Study) Metals, Cyanide and Solids

Day	<	Daily Maximum Eff TRIBUTY LTIN 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		0.004																	
04			DNQ	0.33	ND	0.14	ND	0.01	DNQ	0.04		2.5						8.91	
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
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14																			
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28																			
29																			
30																			
Min		0.004	DNQ	0.33	ND	0.14	ND	0.01	DNQ	0.04		2.5						8.91	
Max		0.004	DNQ	0.33	ND	0.14	ND	0.01	DNQ	0.04		2.5						8.91	
Avg		0.004	DNQ	0.33	ND	0.14	ND	0.01	DNQ	0.04		2.5						8.91	

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Central Contra Costa November 2008 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	0.73		0.016		2.02	DNQ	0.33	DNQ	0.09	ND	0.01		35.1	DNQ	2.8			488
05																		
06																		
07																		
08																		
09																		
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24																		
25																		
26																		
27																		
28																		
29																		
30																		
Min	0.73		0.016		2.02	DNQ	0.33	DNQ	0.09	ND	0.01		35.1	DNQ	2.8			488
Max	0.73		0.016		2.02	DNQ	0.33	DNQ	0.09	ND	0.01		35.1	DNQ	2.8			488
Avg	0.73		0.016		2.02	DNQ	0.33	DNQ	0.09	ND	0.01		35.1	DNQ	2.8			488

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 608

Day	<	Daily Maximum Eff Aldrin ug/l NA	<	Daily Maximum Eff A-BHC ug/l NA	<	Daily Maximum Eff B-BHC ug/l NA	<	Daily Maximum Eff G-BHC ug/l NA	<	Daily Maximum Eff Delta-BHC ug/l NA	<	Daily Maximum Eff Chlordane ug/l NA	<	Daily Maximum Eff 4,4'-DDD ug/l NA	<	Daily Maximum Eff 4,4'-DDE ug/l NA	<	Daily Maximum Eff 4,4'-DDT ug/l NA	<
01																			
02																			
03	ND	0.003	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.04	ND	0.003	ND	0.003	ND	0.003	ND
04																			
05																			
06																			
07																			
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27																			
28																			
29																			
30																			
Min	ND	0.003	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.04	ND	0.003	ND	0.003	ND	0.003	ND
Max	ND	0.003	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.04	ND	0.003	ND	0.003	ND	0.003	ND
Avg	ND	0.003	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.04	ND	0.003	ND	0.003	ND	0.003	ND

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 608

Day	Daily Maximum Eff Dieldrin ug/l NA	<	Daily Maximum Eff Endosulfan-A ug/l NA	<	Daily Maximum Eff Endosulfan-B ug/l NA	<	Daily Maximum Eff Endosulf SO4 ug/l NA	<	Daily Maximum Eff Endrin ug/l NA	<	Daily Maximum Eff Endrin Aldeh ug/l NA	<	Daily Maximum Eff Heptachlor ug/l NA	<	Daily Maximum Eff Heptchl ug/l NA	<	Daily Maximum Eff Toxaphene ug/l NA	<	Daily Maximum Eff PCB-1016 ug/l NA
01																			
02																			
03	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.002	ND	0.003	ND	0.003	ND	0.43	ND	0.05
04																			
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28																			
29																			
30																			
Min	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.002	ND	0.003	ND	0.003	ND	0.43	ND	0.05
Max	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.002	ND	0.003	ND	0.003	ND	0.43	ND	0.05
Avg	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.002	ND	0.003	ND	0.003	ND	0.43	ND	0.05

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 608

Day	<	Daily Maximum Eff PCB-1221 ug/l NA	<	Daily Maximum Eff PCB-1232 ug/l NA	<	Daily Maximum Eff PCB-1242 ug/l NA	<	Daily Maximum Eff PCB-1248 ug/l NA	<	Daily Maximum Eff PCB-1254 ug/l NA	<	Daily Maximum Eff PCB-1260 ug/l NA
01												
02												
03	ND	0.06	ND	0.04	ND	0.04	ND	0.04	ND	0.06	ND	0.05
04												
05												
06												
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29												
30												
Min	ND	0.06	ND	0.04	ND	0.04	ND	0.04	ND	0.06	ND	0.05
Max	ND	0.06	ND	0.04	ND	0.04	ND	0.04	ND	0.06	ND	0.05
Avg	ND	0.06	ND	0.04	ND	0.04	ND	0.04	ND	0.06	ND	0.05

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 610HPLC/625

Day	<	Daily Maximum Eff Acnaphthene ug/l NA	<	Daily Maximum Eff Acenaphth ug/l NA	<	Daily Maximum Eff Anthracene ug/l NA	<	Daily Maximum Eff 1,2-BZ(AH)AN ug/l NA	<	Daily Maximum Eff BENZO(A)Pyre ug/l NA	<	Daily Maximum Eff 3,4-BFLUOR ug/l NA	<	Daily Maximum Eff 1,12-BZPERY ug/l NA	<	Daily Maximum Eff B(K)Flranthn ug/l NA	<	Daily Maximum Eff CHRYSENE ug/l NA	<
01																			
02																			
03	ND	0.05	ND	0.05	ND	0.05	ND	0.025	ND	0.05	ND	0.025	ND	0.025	ND	0.025	ND	0.05	
04																			
05																			
06																			
07																			
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28																			
29																			
30																			
Min	ND	0.05	ND	0.05	ND	0.05	ND	0.025	ND	0.05	ND	0.025	ND	0.025	ND	0.025	ND	0.05	
Max	ND	0.05	ND	0.05	ND	0.05	ND	0.025	ND	0.05	ND	0.025	ND	0.025	ND	0.025	ND	0.05	
Avg	ND	0.05	ND	0.05	ND	0.05	ND	0.025	ND	0.05	ND	0.025	ND	0.025	ND	0.025	ND	0.05	

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 610HPLC/625

Day	Daily Maximum Eff DBZ(AH) ANTHR ug/l NA	<	Daily Maximum Eff Fluoranthe ug/l NA	<	Daily Maximum Eff FLUORENE ug/l NA	<	Daily Maximum Eff INDENO PYREN ug/l NA	<	Daily Maximum Eff Naphthalene ug/l NA	<	Daily Maximum Eff Phenanthrene ug/l NA	<	Daily Maximum Eff Pyrene ug/l NA
01													
02													
03	0.05	ND	0.05	ND	0.05	ND	0.025		1	ND	0.05	ND	0.05
04													
05													
06													
07													
08													
09													
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26													
27													
28													
29													
30													
Min	0.05	ND	0.05	ND	0.05	ND	0.025		1	ND	0.05	ND	0.05
Max	0.05	ND	0.05	ND	0.05	ND	0.025		1	ND	0.05	ND	0.05
Avg	0.05	ND	0.05	ND	0.05	ND	0.025		1	ND	0.05	ND	0.05

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 614

Day	<	Daily Maximum Eff Chlorpyrifos ug/l NA	<	Daily Maximum Eff Diazinon ug/l NA
01				
02				
03	ND	0.02	ND	0.02
04				
05				
06				
07				
08				
09				
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11				
12				
13				
14				
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16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
Min	ND	0.02	ND	0.02
Max	ND	0.02	ND	0.02
Avg	ND	0.02	ND	0.02

Approved: Bsinclair

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 624 (601, 602,603)

Day	<	Daily Maximum Eff Acrolein ug/l NA	<	Daily Maximum Eff Acrylonitr ug/l NA	<	Daily Maximum Eff Benzene ug/l NA	<	Daily Maximum Eff DiClBromthan ug/l NA	<	Daily Maximum Eff Bromoform ug/l NA	<	Daily Maximum Eff Bromomethane ug/l NA	<	Daily Maximum Eff Carbon tet ug/l NA	<	Daily Maximum Eff Chlorobenz ug/l NA	<	Daily Maximum Eff Chloroethane ug/l NA	<
01																			
02																			
03	ND	1	ND	1	ND	0.4	ND	0.6	ND	0.3	DNQ	1.9	ND	0.6	ND	0.5	ND	0.6	ND
04																			
05																			
06																			
07																			
08																			
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27																			
28																			
29																			
30																			
Min	ND	1	ND	1	ND	0.4	ND	0.6	ND	0.3	DNQ	1.9	ND	0.6	ND	0.5	ND	0.6	ND
Max	ND	1	ND	1	ND	0.4	ND	0.6	ND	0.3	DNQ	1.9	ND	0.6	ND	0.5	ND	0.6	ND
Avg	ND	1	ND	1	ND	0.4	ND	0.6	ND	0.3	DNQ	1.9	ND	0.6	ND	0.5	ND	0.6	ND

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 624 (601, 602,603)

Day	Daily Maximum Eff 2-CEV Ether ug/l NA	<	Daily Maximum Eff Chloroform ug/l NA	<	Daily Maximum Eff Chloromethan ug/l NA	<	Daily Maximum Eff ClDibromthan ug/l NA	<	Daily Maximum Eff 1,2 Dichl-B ug/l NA	<	Daily Maximum Eff 1,3 Dichl-B ug/l NA	<	Daily Maximum Eff 1,4-Dichlo ug/l NA	<	Daily Maximum Eff 1,1-DCA ug/l NA	<	Daily Maximum Eff 12E ug/l NA	<	Daily Maximum Eff 11E ug/l NA
01																			
02																			
03	1	ND	0.7	DNQ	0.7	ND	0.3	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.6	ND	0.6
04																			
05																			
06																			
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24																			
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26																			
27																			
28																			
29																			
30																			
Min	1	ND	0.7	DNQ	0.7	ND	0.3	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.6	ND	0.6
Max	1	ND	0.7	DNQ	0.7	ND	0.3	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.6	ND	0.6
Avg	1	ND	0.7	DNQ	0.7	ND	0.3	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.6	ND	0.6

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 624 (601, 602,603)

Day	<	Daily Maximum Eff T-1,2-DCE ug/l NA	<	Daily Maximum Eff 1,2 Dchlopro ug/l NA	<	Daily Maximum Eff cis-1,3-Di Clpe ug/l NA	<	Daily Maximum Eff trans-1,3 DiClpe ug/l NA	<	Daily Maximum Eff Ethylbenze ug/l NA	<	Daily Maximum Eff Meth_Ch ug/l NA	<	Daily Maximum Eff 1,1,2,2-TCA ug/l NA	<	Daily Maximum Eff Tetrachlor ug/l NA	<	Daily Maximum Eff Toluene ug/l NA	<
01																			
02																			
03	ND	0.8	ND	0.4	ND	0.3	ND	0.4	ND	0.5	ND	0.7	ND	0.2	ND	0.5	DNQ	0.6	ND
04																			
05																			
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29																			
30																			
Min	ND	0.8	ND	0.4	ND	0.3	ND	0.4	ND	0.5	ND	0.7	ND	0.2	ND	0.5	DNQ	0.6	ND
Max	ND	0.8	ND	0.4	ND	0.3	ND	0.4	ND	0.5	ND	0.7	ND	0.2	ND	0.5	DNQ	0.6	ND
Avg	ND	0.8	ND	0.4	ND	0.3	ND	0.4	ND	0.5	ND	0.7	ND	0.2	ND	0.5	DNQ	0.6	ND

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 624 (601, 602,603)

Day	Daily Maximum Eff 1,1,1-TCA ug/l NA	<	Daily Maximum Eff 1,1,2-TCA ug/l NA	<	Daily Maximum Eff TriClethene ug/l NA	<	Daily Maximum Eff Vinyl chlo ug/l NA
01							
02							
03	0.6	ND	0.3	ND	0.7	ND	0.8
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
Min	0.6	ND	0.3	ND	0.7	ND	0.8
Max	0.6	ND	0.3	ND	0.7	ND	0.8
Avg	0.6	ND	0.3	ND	0.7	ND	0.8

Approved: BS Dhaliwal

Central Contra Costa November 2008 E-001 (13267 Study) EPA 625

Day	<	Daily Maximum Eff Benzidine ug/l NA	<	Daily Maximum Eff Btlbenphthl ug/l NA	<	Daily Maximum Eff 4-BP-Phnethr ug/l NA	<	Daily Maximum Eff BEM ug/l NA	<	Daily Maximum Eff Bis(2-chlo ug/l NA	<	Daily Maximum Eff BIT ug/l NA	<	Daily Maximum Eff 2-Chlornapth ug/l NA	<	Daily Maximum Eff 4-Cppether ug/l NA	<	Daily Maximum Eff Di-n-butyl ug/l NA	<
01																			
02																			
03	ND	21.5	ND	0.5	ND	0.4	ND	0.4	ND	0.1	ND	0.1	ND	0.2	ND	0.5	DNQ	0.2	ND
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
13																			
14																			
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21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
Min	ND	21.5	ND	0.5	ND	0.4	ND	0.4	ND	0.1	ND	0.1	ND	0.2	ND	0.5	DNQ	0.2	ND
Max	ND	21.5	ND	0.5	ND	0.4	ND	0.4	ND	0.1	ND	0.1	ND	0.2	ND	0.5	DNQ	0.2	ND
Avg	ND	21.5	ND	0.5	ND	0.4	ND	0.4	ND	0.1	ND	0.1	ND	0.2	ND	0.5	DNQ	0.2	ND

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 625

Day	Daily Maximum Eff 3,3-Dichlo ug/l NA	<	Daily Maximum Eff Diethyl ph ug/l NA	<	Daily Maximum Eff Dimethyl p ug/l NA	<	Daily Maximum Eff 2,4-Dinitr ug/l NA	<	Daily Maximum Eff 2,6-Dntolu en ug/l NA	<	Daily Maximum Eff DI-N-Octp ht ug/l NA	<	Daily Maximum Eff 1,2-Diphe n ug/l NA	<	Daily Maximum Eff Bis(2-ethy ug/l NA	<	Daily Maximum Eff HCB ug/l NA	<	Daily Maximum Eff HBU ug/l NA
01																			
02																			
03	3.2	ND	0.6	ND	0.1	ND	0.1	ND	0.2	ND	0.1	ND	0.1	DNQ	0.7	ND	0.2	ND	0.2
04																			
05																			
06																			
07																			
08																			
09																			
10																			
11																			
12																			
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27																			
28																			
29																			
30																			
Min	3.2	ND	0.6	ND	0.1	ND	0.1	ND	0.2	ND	0.1	ND	0.1	DNQ	0.7	ND	0.2	ND	0.2
Max	3.2	ND	0.6	ND	0.1	ND	0.1	ND	0.2	ND	0.1	ND	0.1	DNQ	0.7	ND	0.2	ND	0.2
Avg	3.2	ND	0.6	ND	0.1	ND	0.1	ND	0.2	ND	0.1	ND	0.1	DNQ	0.7	ND	0.2	ND	0.2

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 625

Day	<	Daily Maximum Eff HCP ug/l NA	<	Daily Maximum Eff HCE ug/l NA	<	Daily Maximum Eff Isophorone ug/l NA	<	Daily Maximum Eff Nitrobenzene ug/l NA	<	Daily Maximum Eff NME ug/l NA	<	Daily Maximum Eff NPH ug/l NA	<	Daily Maximum Eff N-nitrodpra ug/l NA	<	Daily Maximum Eff 1,2,4-Tcbenz ug/l NA	<	Daily Maximum Eff 4-cl-3mphen ug/l NA	<
01																			
02																			
03	ND	2.6	ND	0.2	ND	0.2	ND	0.4	ND	0.4	ND	0.2	ND	0.4	ND	0.2	ND	0.2	ND
04																			
05																			
06																			
07																			
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26																			
27																			
28																			
29																			
30																			
Min	ND	2.6	ND	0.2	ND	0.2	ND	0.4	ND	0.4	ND	0.2	ND	0.4	ND	0.2	ND	0.2	ND
Max	ND	2.6	ND	0.2	ND	0.2	ND	0.4	ND	0.4	ND	0.2	ND	0.4	ND	0.2	ND	0.2	ND
Avg	ND	2.6	ND	0.2	ND	0.2	ND	0.4	ND	0.4	ND	0.2	ND	0.4	ND	0.2	ND	0.2	ND

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Central Contra Costa November 2008 E-001 (13267 Study) EPA 625

Day	Daily Maximum Eff 2-Chlorophen ug/l NA	<	Daily Maximum Eff 2,4-Dcphenol ug/l NA	<	Daily Maximum Eff 2,4-Dmphenol ug/l NA	<	Daily Maximum Eff 2,4,- Dini ug/l NA	<	Daily Maximum Eff 4,6,-Dinit ug/l NA	<	Daily Maximum Eff 2-Nitrophen ug/l NA	<	Daily Maximum Eff 4-Nitrophenol ug/l NA	<	Daily Maximum Eff PCP ug/l NA	<	Grab Maximum Eff Phenol ug/l NA	<	Daily Maximum Eff 2,4,6-Tric ug/l NA
01																			
02																			
03	0.8	ND	0.8	ND	1.1	ND	0.4	ND	0.2	ND	0.9	ND	2.1	ND	0.6	ND	0.4	ND	0.8
04																			
05																			
06																			
07																			
08																			
09																			
10																			
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12																			
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21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
Min	0.8	ND	0.8	ND	1.1	ND	0.4	ND	0.2	ND	0.9	ND	2.1	ND	0.6	ND	0.4	ND	0.8
Max	0.8	ND	0.8	ND	1.1	ND	0.4	ND	0.2	ND	0.9	ND	2.1	ND	0.6	ND	0.4	ND	0.8
Avg	0.8	ND	0.8	ND	1.1	ND	0.4	ND	0.2	ND	0.9	ND	2.1	ND	0.6	ND	0.4	ND	0.8

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Central Contra Costa November 2008 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	44.5				
02	43.3				
03	42.3				
04	40.2				
05	38.5				
06	38.3				
07	37.5				
08	38				
09	38				
10	37.2				
11	37.5				
12	37.5				
13	36.6				
14	36.9				
15	36.8				
16	37.5				
17	36.8				
18	35.6				
19	35.8				
20	35.4				
21	36.4				
22	37				
23	36.9				
24	35.9				
25	35.8				
26	37.8				
27	38.3				
28	35.7				
29	36.5				
30	37.6	35.4	44.5	1132.1	37.74
Min	35.4	35.4	44.5	1132.1	37.74
Max	44.5	35.4	44.5	1132.1	37.74
Avg	37.7367	35.4	44.5	1132.1	37.74

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Central Contra Costa November 2008 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	11	9	11	11	11	11		9.1		9		9.1		9		9		9
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
Min	11	9	11	11	11	11		9.1		9		9.1		9		9		9
Max	11	9	11	11	11	11		9.1		9		9.1		9		9		9
Avg	11	9	11	11	11	11		9.1		9		9.1		9		9		9

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Central Contra Costa November 2008 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	101		99		100		98		99		99		ND	0.1	ND	0.1
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
Min	101		99		100		98		99		99		ND	0.1	ND	0.1
Max	101		99		100		98		99		99		ND	0.1	ND	0.1
Avg	101		99		100		98		99		99		ND	0.1	ND	0.1

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Central Contra Costa November 2008 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	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.7	7.7	7.6	7.6	7.6	7.6	7.4	7.4	7.4
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
Min	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.7	7.7	7.6	7.6	7.6	7.6	7.4	7.4	7.4
Max	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.7	7.7	7.6	7.6	7.6	7.6	7.4	7.4	7.4
Avg	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.7	7.7	7.6	7.6	7.6	7.6	7.4	7.4	7.4

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Central Contra Costa November 2008 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	7.4	7.3	16	15.4	15.7	15.3	15.6	16.2	2620	2600	2620	2670	2640	2680	14.1
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
Min	7.4	7.3	16	15.4	15.7	15.3	15.6	16.2	2620	2600	2620	2670	2640	2680	14.1
Max	7.4	7.3	16	15.4	15.7	15.3	15.6	16.2	2620	2600	2620	2670	2640	2680	14.1
Avg	7.4	7.3	16	15.4	15.7	15.3	15.6	16.2	2620	2600	2620	2670	2640	2680	14.1

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Central Contra Costa November 2008 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	14.3	14.2	14.4	14.4	14.3	23440	23680	23350	23780	23610	23560	0	0	0	0
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
Min	14.3	14.2	14.4	14.4	14.3	23440	23680	23350	23780	23610	23560	0	0	0	0
Max	14.3	14.2	14.4	14.4	14.3	23440	23680	23350	23780	23610	23560	0	0	0	0
Avg	14.3	14.2	14.4	14.4	14.3	23440	23680	23350	23780	23610	23560	0	0	0	0

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Central Contra Costa November 2008 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
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

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Central Contra Costa November 2008 Receiving Water

Day	Instant Observ RW2 Suspend	Instant Observ RW3 Suspend	Instant Observ RW4 Suspend	Instant Observ RW5 Suspend	Instant Observ CR1 Suspend	<	Daily Maximum RW1 NH3 mg/l	<	Daily Maximum RW2 NH3 mg/l	<	Daily Maximum RW3 NH3 mg/l	<	Daily Maximum RW4 NH3 mg/l	<	Daily Maximum RW5 NH3 mg/l	<	Daily Maximum CR1 NH3 mg/l	<
	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	0	0	0	0	0	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
Min	0	0	0	0	0	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND
Max	0	0	0	0	0	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND
Avg	0	0	0	0	0	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND	0.3	ND

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Central Contra Costa November 2008 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	0.003			ND	0.003			ND	0.003			ND	0.003			ND	0.003		
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
Min	0.003			ND	0.003			ND	0.003			ND	0.003			ND	0.003		
Max	0.003			ND	0.003			ND	0.003			ND	0.003			ND	0.003		
Avg	0.003			ND	0.003			ND	0.003			ND	0.003			ND	0.003		

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Central Contra Costa November 2008 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	ND	0.003				20		20	ND	20		20	ND	20	ND	20		40	
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
Min	ND	0.003				20		20	ND	20		20	ND	20	ND	20		40	
Max	ND	0.003				20		20	ND	20		20	ND	20	ND	20		40	
Avg	ND	0.003				20		20	ND	20		20	ND	20	ND	20		40	

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Central Contra Costa November 2008 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	20	ND	20		20		40		20	ND	20		20	ND	20	ND	20	ND	20
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
Min	20	ND	20		20		40		20	ND	20		20	ND	20	ND	20	ND	20
Max	20	ND	20		20		40		20	ND	20		20	ND	20	ND	20	ND	20
Avg	20	ND	20		20		40		20	ND	20		20	ND	20	ND	20	ND	20

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Central Contra Costa November 2008 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	ND	20				
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
Min	ND	20				
Max	ND	20				
Avg	ND	20				

Approved: [signature]