Central Contra Costa Sanitary District

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ELAINE R. BOEHME
Secretary of the District

March 23, 2009

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

Dear Ms. Tang:

Enclosed is the February 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

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DISCHARGER'S MONITORING PROGRAM REPORT

REPORTING DISCHARGER: Central Contra Costa Sanitary District

DATE OF REPORT: March 18, 2009

REPORTING PERIOD: February 2009

SUMMARY AND COMMENTS:

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

BSDhaliwal

Bhupinder S. Dhaliwal
Laboratory Superintendent

BSD:msb
Attachments

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	0/19	0/19	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/58
CarbonaceousBOD Eff Weekly Average mg/l	Max 40	0/5	0/4	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/9
CarbonaceousBOD Eff Monthly Average mg/l	Max 25	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
CarbonaceousBOD Eff Monthly Removal %	Min 85	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
Total Suspended Solids Eff Daily Maximum mg/l	Max 60	0/31	0/28	0/28	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/87
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	0/4	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/9
Total Suspended Solids Eff Monthly Average mg/l	Max 30	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
Total Suspended Solids Eff Monthly Removal %	Min 85	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
Oil and Grease Eff Daily Maximum mg/l	Max 20	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
Oil and Grease Eff Monthly Average mg/l	Max 10	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
pH Eff Cont Minimum unit	Min 6	0/31	0/28	0/28	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/87
pH Eff Cont Maximum unit	Max 9	0/31	0/28	0/28	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/87
Enterococci Eff Monthly Median MPN/100ml	Max 35	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
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	0/1	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 MovingMed %Sur	Min 90	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
Copper Eff Daily Maximum ug/l	Max 20	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
Copper Eff Monthly Average ug/l	Max 14	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
Lead Eff Daily Maximum ug/l	Max 8.2	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
Lead Eff Monthly Average ug/l	Max 3.5	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
Mercury Eff Weekly Average ug/l	Max 0.072	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
Mercury Eff Monthly Average ug/l	Max 0.066	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
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	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
Cyanide Eff Monthly Average ug/l	Max 20	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
Acrylonitrile Eff Daily Maximum ug/l	Max 13	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Acrylonitrile Eff Monthly Average ug/l	Max 6.3	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
TCDD-TEQ Eff Monthly MovingAvg mg/kg	Max 0.836	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1
Monitoring Point Receiving Water														0/0
Dissolved Oxygen RW1 Daily Minimum mg/l	Min 7	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
Dissolved Oxygen RW2 Daily Minimum mg/l	Min 7	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
Dissolved Oxygen RW3 Daily Minimum mg/l	Min 7	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
Dissolved Oxygen RW4 Daily Minimum mg/l	Min 7	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
Dissolved Oxygen RW5 Daily Minimum mg/l	Min 7	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
Dissolved Oxygen CR1 Daily Minimum mg/l	Min 7	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
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	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
Dissolved Sulfite RW2 Grab Maximum mg/l	Max 0.1	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
Dissolved Sulfite RW3 Grab Maximum mg/l	Max 0.1	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
Dissolved Sulfite RW4 Grab Maximum mg/l	Max 0.1	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
Dissolved Sulfite RW5 Grab Maximum mg/l	Max 0.1	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
Dissolved Sulfite CR1 Grab Maximum mg/l	Max 0.1	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
pH RW1 Grab Minimum unit	Min 6.5	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
pH RW1 Grab Maximum unit	Max 8.5	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
pH RW2 Grab Minimum unit	Min 6.5	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
pH RW2 Grab Maximum unit	Max 8.5	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
pH RW3 Grab Minimum unit	Min 6.5	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
pH RW3 Grab Maximum unit	Max 8.5	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
pH RW4 Grab Minimum unit	Min 6.5	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
pH RW4 Grab Maximum unit	Max 8.5	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
pH RW5 Grab Minimum unit	Min 6.5	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
pH RW5 Grab Maximum unit	Max 8.5	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
pH CR1 Grab Maximum unit	Max 8.5	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
Un-ionized Ammonia as N RW1 Daily Maximum mg/l	Max 0.16	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
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	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
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	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
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	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
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	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
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	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/2
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 February 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	16.3	68.6	38.8												214
02	16.1	59.3	40.4			179			6	6	96.6				219
03	17.8	57.3	39.1												224
04	16.3	55.9	37.9			185			6	6	96.8				225
05	16.5	53.9	37.5			197			8	8	95.9				223
06	17.2	52.5	40.4			190			5	5	97.4				234
07	19.8	57.1	40.6									6.25			230
08	16.9	58	39.9												234
09	20.4	56.4	41.5			195			12	12	93.8				209
10	23.4	47.6	40.1			174			5	5	97.1				189
11	19.3	52.8	39.1			184			4	4	97.8				217
12	18.8	55.1	39			158			6	6	96.2				212
13	26.7	68.5	50.5						4	4					197
14	29.6	67	49.3									6.2			227
15	19.3	98.9	56.6												214
16	43.8	100	80.2			142			10	10	93				189
17	46	102.9	76.5			99			10	10	89.9				141
18	53.5	91.9	65.8			86			7	7	91.9				130
19	33.9	67.4	52.1			103			6	6	94.2				128
20	26.9	56.6	45.3			135			8	8	94.1				161
21	25.7	60.6	44.4									8.2			183
22	29.1	96.8	63.1												198
23	55.9	89.8	71.6			114			9	9	92.1				150
24	51.7	75.8	63			85			7	7	91.8				101
25	33.9	67	52.7			101			5	5	95				135
26	31.3	66.5	51			130			6	6	95.4				163
27	27.9	59.4	47.5			127			6	6	95.3				164
28	25.3	63.6	46	1389.9	49.64			143.56				6.6	6.84	95	466
Min	16.1	47.6	37.5	1389.9	49.64	85		143.56	4	4	89.9	6.2	6.84	95	101
Max	55.9	102.9	80.2	1389.9	49.64	197		143.56	12	12	97.8	8.2	6.84	95	466
Avg	27.8321	68.1143	49.6393	1389.9	49.64	143.5556		143.56	6.8421	6.8421	94.6833	6.8125	6.84	95	199.1786

Approved: B S Drehwing

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Central Contra Costa February 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			6		97.2								6.33			
02			6		97.3								6.04			
03			6		97.3								5.98			
04			6		97.3								6.13			
05			5		97.8								6.06			
06			5		97.9								5.93			
07			7		97	5.86							6.01			
08			6		97.4								5.96			
09			5		97.6								6.04			
10			5		97.4								6.58			
11			4		98.2								6.24			
12			5		97.6								6.21			
13			5		97.5								5.94			
14			8		96.5	5.43							6.57			
15			9		95.8								5.47			
16			12		93.7								4.39			
17			14		90.1								4.77			
18			14		89.2								5.66			
19			13		89.8								6.01			
20			10		93.8								6.02			
21			9		95.1	11.57							6.27			
22			11		94.4								4.13			
23			11		92.7				ND	2			5.73			
24			7		93.1								6.2			
25			8		94.1								6.23			
26			5		96.9								6.19			
27			5		97								6.2			
28		199.18	9		98.1	8	7.71	96			ND	2	6.7			
Min		199.18	4		89.2	5.43	7.71	96	ND	2	ND	2	4.13			
Max		199.18	14		98.2	11.57	7.71	96	ND	2	ND	2	6.7			
Avg		199.18	7.7143		95.6357	7.715	7.71	96	ND	2	ND	2	5.9282			

Approved: B S Dhaliwal

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Central Contra Costa February 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	7.52	7.52	20.9	28.3													
02	7.52	7.52	19.9	26.9			22										
03	7.51	7.51	20	26.3			19										
04	7.57	7.57	19.7	29.1			17										
05	7.62	7.62	20.5	28			27										
06	7.55	7.55	20.1	27.4			19										
07	7.6	7.6	20	27.3													
08	7.44	7.44	20	25.6													
09	7.46	7.46	19	24.1			6										
10	7.52	7.52	19.3	24.9			8										
11	7.51	7.51	19.7	26.3			11										
12	7.49	7.49	19.3	26.6			11										
13	7.52	7.52	18.8	25.2			4										
14	7.4	7.4	18.8	23													
15	7.41	7.41	19.3	19													
16	7.34	7.34	18.1	19.9			109										
17	7.42	7.42	17.7	14.6			23							100	92.5	98	
18	7.39	7.39	17.7	14			49										
19	7.51	7.51	18.6	14.4			24										
20	7.51	7.51	19.4	18.5			13										
21	7.56	7.56	19.5	20.2													
22	7.46	7.46	19.5	22.1													
23	7.4	7.4	18.1	17.9			30										
24	7.44	7.44	18.8	14.7			16										
25	7.47	7.47	19.3	17.6			11										
26	7.46	7.46	19.4	19.3			7										
27	7.48	7.48	18.9	20.7			4										
28	7.61	7.61	19.5	18.7	22.16			16									
Min	7.34	7.34	17.7	14	22.16		4	16						100	92.5	98	
Max	7.62	7.62	20.9	29.1	22.16		109	16						100	92.5	98	
Avg	7.4889	7.4889	19.2786	22.1643	22.16		21.5	16						100	92.5	98	

Approved: BSDrahnich

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Central Contra Costa February 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	10.1						0.64				0.017		0.0025						
04																			
05																			
06																			
07															0.017				
08																			
09																			
10																			
11																			
12																			
13																			
14																			
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16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28			10.1		53.22				0.64								0.017		0.0896
Min	10.1		10.1		53.22		0.64		0.64		0.017		0.0025		0.017		0.017		0.0896
Max	10.1		10.1		53.22		0.64		0.64		0.017		0.0025		0.017		0.017		0.0896
Avg	10.1		10.1		53.22		0.64		0.64		0.017		0.0025		0.017		0.017		0.0896

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Central Contra Costa February 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					DNQ	1.5			DNQ	0.9			ND	0					0
03																			
04																			
05																			
06																			
07																			
08																			
09																			
10																			
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12																			
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21																			
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23																			
24																			
25																			
26																			
27																			
28		0.0622		0.747			DNQ	1.5			DNQ	0.9			ND	0	ND	0	
Min		0.0622		0.747	DNQ	1.5	DNQ	1.5	DNQ	0.9	DNQ	0.9	ND	0	ND	0	ND	0	0
Max		0.0622		0.747	DNQ	1.5	DNQ	1.5	DNQ	0.9	DNQ	0.9	ND	0	ND	0	ND	0	0
Avg		0.0622		0.747	DNQ	1.5	DNQ	1.5	DNQ	0.9	DNQ	0.9	ND	0	ND	0	ND	0	0

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Central Contra Costa February 2009 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	ND	0.005	ND	0.01	ND	0.005		0.02	ND	0.005	ND	0.1	ND	0.01	ND	0.01	ND	0.01	ND
03																			
04																			
05																			
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25																			
26																			
27																			
28																			
Min	ND	0.005	ND	0.01	ND	0.005		0.02	ND	0.005	ND	0.1	ND	0.01	ND	0.01	ND	0.01	ND
Max	ND	0.005	ND	0.01	ND	0.005		0.02	ND	0.005	ND	0.1	ND	0.01	ND	0.01	ND	0.01	ND
Avg	ND	0.005	ND	0.01	ND	0.005		0.02	ND	0.005	ND	0.1	ND	0.01	ND	0.01	ND	0.01	ND

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Central Contra Costa February 2009 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	0.01	ND	0.02	ND	0.01	ND	0.05	ND	0.01	ND	0.05	ND	0.01	ND	0.01	ND	0.5	ND	0.5
03																			
04																			
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25																			
26																			
27																			
28																			
Min	0.01	ND	0.02	ND	0.01	ND	0.05	ND	0.01	ND	0.05	ND	0.01	ND	0.01	ND	0.5	ND	0.5
Max	0.01	ND	0.02	ND	0.01	ND	0.05	ND	0.01	ND	0.05	ND	0.01	ND	0.01	ND	0.5	ND	0.5
Avg	0.01	ND	0.02	ND	0.01	ND	0.05	ND	0.01	ND	0.05	ND	0.01	ND	0.01	ND	0.5	ND	0.5

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Central Contra Costa February 2009 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	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
03												
04												
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28												
Min	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Max	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Avg	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5

Approved: BSDrahp

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Central Contra Costa February 2009 E-001 (13267 Study) EPA 610HPLC/625

Day		Daily Maximum Eff Acnaphthene ug/l NA		Daily Maximum Eff Acenapht h 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	ND	0.05	ND	0.05	ND	0.05	ND	0.025	ND	0.025	ND	0.025	ND	0.05	ND	0.05	ND	0.05	ND
03																			
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27																			
28																			
Min	ND	0.05	ND	0.05	ND	0.05	ND	0.025	ND	0.025	ND	0.025	ND	0.05	ND	0.05	ND	0.05	ND
Max	ND	0.05	ND	0.05	ND	0.05	ND	0.025	ND	0.025	ND	0.025	ND	0.05	ND	0.05	ND	0.05	ND
Avg	ND	0.05	ND	0.05	ND	0.05	ND	0.025	ND	0.025	ND	0.025	ND	0.05	ND	0.05	ND	0.05	ND

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Central Contra Costa February 2009 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	0.05	ND	0.05	ND	0.05	ND	0.025		1.3	ND	0.05	ND	0.05
03													
04													
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27													
28													
Min	0.05	ND	0.05	ND	0.05	ND	0.025		1.3	ND	0.05	ND	0.05
Max	0.05	ND	0.05	ND	0.05	ND	0.025		1.3	ND	0.05	ND	0.05
Avg	0.05	ND	0.05	ND	0.05	ND	0.025		1.3	ND	0.05	ND	0.05

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Central Contra Costa February 2009 E-001 (13267 Study) EPA 1613

Day	<	Daily Maximum Eff TCDD01 pg/L NA	<	Daily Maximum Eff TCDD02 pg/L NA	<	Daily Maximum Eff TCDD03 pg/L NA	<	Daily Maximum Eff TCDD04 pg/L NA	<	Daily Maximum Eff TCDD05 pg/L NA	<	Daily Maximum Eff TCDD06 pg/L NA	<	Daily Maximum Eff TCDD07 pg/L NA	<	Daily Maximum Eff TCDD08 pg/L NA	<	Daily Maximum Eff TCDD09 pg/L NA	<
01																			
02	ND	1.53	ND	1.68	ND	2.08	ND	2.74	ND	2.95	ND	2.51	ND	9.54	ND	0.8	ND	2.33	ND
03																			
04																			
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24																			
25																			
26																			
27																			
28																			
Min	ND	1.53	ND	1.68	ND	2.08	ND	2.74	ND	2.95	ND	2.51	ND	9.54	ND	0.8	ND	2.33	ND
Max	ND	1.53	ND	1.68	ND	2.08	ND	2.74	ND	2.95	ND	2.51	ND	9.54	ND	0.8	ND	2.33	ND
Avg	ND	1.53	ND	1.68	ND	2.08	ND	2.74	ND	2.95	ND	2.51	ND	9.54	ND	0.8	ND	2.33	ND

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Central Contra Costa February 2009 E-001 (13267 Study) EPA 1613

Day	Daily Maximum Eff TCDD10 pg/L NA	<	Daily Maximum Eff TCDD11 pg/L NA	<	Daily Maximum Eff TCDD12 pg/L NA	<	Daily Maximum Eff TCDD13 pg/L NA	<	Daily Maximum Eff TCDD14 pg/L NA	<	Daily Maximum Eff TCDD15 pg/L NA	<	Daily Maximum Eff TCDD16 pg/L NA	<	Daily Maximum Eff TCDD17 pg/L NA	<	Daily Maximum Eff TCDD-TEQ pg/L NA
01																	
02	3	ND	1.01	ND	1.06	ND	0.94	ND	1.8	ND	1.63	ND	2.2	ND	4.17	ND	0
03																	
04																	
05																	
06																	
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24																	
25																	
26																	
27																	
28																	
Min	3	ND	1.01	ND	1.06	ND	0.94	ND	1.8	ND	1.63	ND	2.2	ND	4.17	ND	0
Max	3	ND	1.01	ND	1.06	ND	0.94	ND	1.8	ND	1.63	ND	2.2	ND	4.17	ND	0
Avg	3	ND	1.01	ND	1.06	ND	0.94	ND	1.8	ND	1.63	ND	2.2	ND	4.17	ND	0

Approved: B S Drahim

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Central Contra Costa February 2009 E-001 (13267 Study) EPA 614

Day	<	Daily Maximum Eff Chlorpyrifos ug/l NA	<	Daily Maximum Eff Diazinon ug/l NA
01				
02	ND	0.04	ND	0.04
03				
04				
05				
06				
07				
08				
09				
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21				
22				
23				
24				
25				
26				
27				
28				
Min	ND	0.04	ND	0.04
Max	ND	0.04	ND	0.04
Avg	ND	0.04	ND	0.04

Approved: BS Dhalwich

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Central Contra Costa February 2009 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 Carbontet ug/l NA	<	Daily Maximum Eff Chlorobenz ug/l NA	<	Daily Maximum Eff Chloroethane ug/l NA	<
01																			
02	ND	0.9	DNQ	0.9	ND	0.2	ND	0.3	ND	0.5	DNQ	0.7	ND	0.4	DNQ	0.2	ND	0.4	ND
03																			
04																			
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28																			
Min	ND	0.9	DNQ	0.9	ND	0.2	ND	0.3	ND	0.5	DNQ	0.7	ND	0.4	DNQ	0.2	ND	0.4	ND
Max	ND	0.9	DNQ	0.9	ND	0.2	ND	0.3	ND	0.5	DNQ	0.7	ND	0.4	DNQ	0.2	ND	0.4	ND
Avg	ND	0.9	DNQ	0.9	ND	0.2	ND	0.3	ND	0.5	DNQ	0.7	ND	0.4	DNQ	0.2	ND	0.4	ND

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Central Contra Costa February 2009 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	0.6	DNQ	0.6	DNQ	0.3	ND	0.4	DNQ	0.3	DNQ	0.2	DNQ	0.3	ND	0.4	ND	0.2	ND	0.3
03																			
04																			
05																			
06																			
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24																			
25																			
26																			
27																			
28																			
Min	0.6	DNQ	0.6	DNQ	0.3	ND	0.4	DNQ	0.3	DNQ	0.2	DNQ	0.3	ND	0.4	ND	0.2	ND	0.3
Max	0.6	DNQ	0.6	DNQ	0.3	ND	0.4	DNQ	0.3	DNQ	0.2	DNQ	0.3	ND	0.4	ND	0.2	ND	0.3
Avg	0.6	DNQ	0.6	DNQ	0.3	ND	0.4	DNQ	0.3	DNQ	0.2	DNQ	0.3	ND	0.4	ND	0.2	ND	0.3

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Central Contra Costa February 2009 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	ND	0.2	ND	0.2	ND	0.5	ND	0.6	ND	0.2	ND	0.4	ND	0.5	ND	0.4	DNQ	1.2	ND
03																			
04																			
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28																			
Min	ND	0.2	ND	0.2	ND	0.5	ND	0.6	ND	0.2	ND	0.4	ND	0.5	ND	0.4	DNQ	1.2	ND
Max	ND	0.2	ND	0.2	ND	0.5	ND	0.6	ND	0.2	ND	0.4	ND	0.5	ND	0.4	DNQ	1.2	ND
Avg	ND	0.2	ND	0.2	ND	0.5	ND	0.6	ND	0.2	ND	0.4	ND	0.5	ND	0.4	DNQ	1.2	ND

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Central Contra Costa February 2009 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	0.4	ND	0.5	ND	0.2	ND	0.3
03							
04							
05							
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18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
Min	0.4	ND	0.5	ND	0.2	ND	0.3
Max	0.4	ND	0.5	ND	0.2	ND	0.3
Avg	0.4	ND	0.5	ND	0.2	ND	0.3

Approved: BS Dzubnicek

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Central Contra Costa February 2009 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	ND	4.1	ND	0.7	ND	0.1	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.1	ND	0.4	ND
03																			
04																			
05																			
06																			
07																			
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26																			
27																			
28																			
Min	ND	4.1	ND	0.7	ND	0.1	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.1	ND	0.4	ND
Max	ND	4.1	ND	0.7	ND	0.1	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.1	ND	0.4	ND
Avg	ND	4.1	ND	0.7	ND	0.1	ND	0.4	ND	0.4	ND	0.4	ND	0.4	ND	0.1	ND	0.4	ND

Approved: BS Drahwig

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Central Contra Costa February 2009 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	0.3	ND	1.1	ND	0.5	ND	0.2	ND	0.1	ND	0.1	ND	0.1	ND	1.1	ND	0.1	ND	0.5
03																			
04																			
05																			
06																			
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21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
Min	0.3	ND	1.1	ND	0.5	ND	0.2	ND	0.1	ND	0.1	ND	0.1	ND	1.1	ND	0.1	ND	0.5
Max	0.3	ND	1.1	ND	0.5	ND	0.2	ND	0.1	ND	0.1	ND	0.1	ND	1.1	ND	0.1	ND	0.5
Avg	0.3	ND	1.1	ND	0.5	ND	0.2	ND	0.1	ND	0.1	ND	0.1	ND	1.1	ND	0.1	ND	0.5

Approved: BS Dhaliwal

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Central Contra Costa February 2009 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	ND	3.2	ND	0.4	ND	0.4	ND	0.4	ND	0.6	ND	0.1	ND	0.4	ND	0.4	ND	0.1	ND
03																			
04																			
05																			
06																			
07																			
08																			
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20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
Min	ND	3.2	ND	0.4	ND	0.4	ND	0.4	ND	0.6	ND	0.1	ND	0.4	ND	0.4	ND	0.1	ND
Max	ND	3.2	ND	0.4	ND	0.4	ND	0.4	ND	0.6	ND	0.1	ND	0.4	ND	0.4	ND	0.1	ND
Avg	ND	3.2	ND	0.4	ND	0.4	ND	0.4	ND	0.6	ND	0.1	ND	0.4	ND	0.4	ND	0.1	ND

Approved: BsDrahnich

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Central Contra Costa February 2009 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	0.1	ND	0.3	ND	0.8	ND	2.3	ND	0.5	ND	0.1	ND	0.7	ND	1.3		1.9	ND	0.4
03																			
04																			
05																			
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24																			
25																			
26																			
27																			
28																			
Min	0.1	ND	0.3	ND	0.8	ND	2.3	ND	0.5	ND	0.1	ND	0.7	ND	1.3		1.9	ND	0.4
Max	0.1	ND	0.3	ND	0.8	ND	2.3	ND	0.5	ND	0.1	ND	0.7	ND	1.3		1.9	ND	0.4
Avg	0.1	ND	0.3	ND	0.8	ND	2.3	ND	0.5	ND	0.1	ND	0.7	ND	1.3		1.9	ND	0.4

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Central Contra Costa February 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		0.003																	
03			DNQ	0.3	DNQ	0.51	ND	0.03	ND	0.02	DNQ	0.42						10.1	
04																			
05																			
06																			
07																			
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21																			
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24																			
25																			
26																			
27																			
28																			
Min		0.003	DNQ	0.3	DNQ	0.51	ND	0.03	ND	0.02	DNQ	0.42						10.1	
Max		0.003	DNQ	0.3	DNQ	0.51	ND	0.03	ND	0.02	DNQ	0.42						10.1	
Avg		0.003	DNQ	0.3	DNQ	0.51	ND	0.03	ND	0.02	DNQ	0.42						10.1	

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Central Contra Costa February 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														DNQ	1.5			516
03	0.64		0.017		2.1	DNQ	0.34	DNQ	0.06	ND	0.01		36.7					
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
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22																		
23																		
24																		
25																		
26																		
27																		
28																		
Min	0.64		0.017		2.1	DNQ	0.34	DNQ	0.06	ND	0.01		36.7	DNQ	1.5			516
Max	0.64		0.017		2.1	DNQ	0.34	DNQ	0.06	ND	0.01		36.7	DNQ	1.5			516
Avg	0.64		0.017		2.1	DNQ	0.34	DNQ	0.06	ND	0.01		36.7	DNQ	1.5			516

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Central Contra Costa February 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	38.5				
02	37.8				
03	36.6				
04	37				
05	36.9				
06	38.3				
07	39.7				
08	38.9				
09	40.3				
10	40.2				
11	41.4				
12	39.8				
13	49.5				
14	49.8				
15	55.5				
16	71.5				
17	75.4				
18	62.8				
19	52.3				
20	47				
21	45.7				
22	64.5				
23	69.9				
24	61.6				
25	53.1				
26	51.4				
27	48.3				
28	46.9	36.6	75.4	1370.6	48.95
Min	36.6	36.6	75.4	1370.6	48.95
Max	75.4	36.6	75.4	1370.6	48.95
Avg	48.95	36.6	75.4	1370.6	48.95

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Central Contra Costa February 2009 OV-001 Overflow & Bypasses

Day	Grab Maximum Bypass CBOD mg/l	Grab Maximum Bypass TSS mg/l	<	Grab Maximum Bypass FecalColi MPN/100 ml NA	<	Grab Maximum Bypass TotalColi MPN/100 ml NA	Grab Maximum Bypass Enterococci MPN/100 ml	Daily Total Inf Rainfall in NA	Monthly Total Inf Rainfall in NA	Daily Total Bypass Dur_CSO min. NA	Monthly Total Bypass Dur_CSO min. NA	Daily Total Bypass Vol_CSO Mgal NA	Monthly Total Bypass Vol_CSO Mgal NA
01								0					
02								0					
03								0					
04								0					
05								0					
06								0.4					
07								0.01					
08								0.1					
09								0					
10								0					
11								0.12					
12								0					
13								0.91					
14								0.06					
15								1.07					
16								0.73					
17								1.36					
18								0					
19								0					
20								0					
21								0					
22								1.04					
23								0.04					
24								0.15					
25								0					
26								0.07					
27								0					
28								0	6.06				
Min								0	6.06				
Max								1.36	6.06				
Avg								0.2164	6.06				

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Central Contra Costa February 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	36	38	36	38	30	36		10.6		10.5		10.6		10.6		10.5		11
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
Min	36	38	36	38	30	36		10.6		10.5		10.6		10.6		10.5		11
Max	36	38	36	38	30	36		10.6		10.5		10.6		10.6		10.5		11
Avg	36	38	36	38	30	36		10.6		10.5		10.6		10.6		10.5		11

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Central Contra Costa February 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	102		100		102		101		101		103		ND	0.1	ND	0.1
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
Min	102		100		102		101		101		103		ND	0.1	ND	0.1
Max	102		100		102		101		101		103		ND	0.1	ND	0.1
Avg	102		100		102		101		101		103		ND	0.1	ND	0.1

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Central Contra Costa February 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	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.4	7.4	7.5	7.5	7.4	7.4	7.6	7.6	7.5
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
Min	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.4	7.4	7.5	7.5	7.4	7.4	7.6	7.6	7.5
Max	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.4	7.4	7.5	7.5	7.4	7.4	7.6	7.6	7.5
Avg	ND	0.1	ND	0.1	ND	0.1	ND	0.1	7.4	7.4	7.5	7.5	7.4	7.4	7.6	7.6	7.5

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Central Contra Costa February 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	7.5	7.5	10.6	10.5	10.5	10.5	10.5	9.7	1960	2000	2000	1920	2040	1780	10.5
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
Min	7.5	7.5	10.6	10.5	10.5	10.5	10.5	9.7	1960	2000	2000	1920	2040	1780	10.5
Max	7.5	7.5	10.6	10.5	10.5	10.5	10.5	9.7	1960	2000	2000	1920	2040	1780	10.5
Avg	7.5	7.5	10.6	10.5	10.5	10.5	10.5	9.7	1960	2000	2000	1920	2040	1780	10.5

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Central Contra Costa February 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	10.2	10.4	10.2	10.4	10.1	17610	17230	17450	17230	17500	15550	0	0	0	0
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
Min	10.2	10.4	10.2	10.4	10.1	17610	17230	17450	17230	17500	15550	0	0	0	0
Max	10.2	10.4	10.2	10.4	10.1	17610	17230	17450	17230	17500	15550	0	0	0	0
Avg	10.2	10.4	10.2	10.4	10.1	17610	17230	17450	17230	17500	15550	0	0	0	0

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Central Contra Costa February 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
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 February 2009 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	0	0	0	0	0	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND	0.2	ND
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
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

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Central Contra Costa February 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	0.001			ND	0.001			ND	0.001			ND	0.001			ND	0.001		
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
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27																			
28																			
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: BE Drahnak

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Central Contra Costa February 2009 Receiving Water

Day	<	Daily Maximum CR1 Un-ionNH3 mg/l Max 0.16	<	Annual Median CR3 Un-ionNH3 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	ND	0.001			ND	20		20		20	ND	20		20		40		80	
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
Min	ND	0.001			ND	20		20		20	ND	20		20		40		80	
Max	ND	0.001			ND	20		20		20	ND	20		20		40		80	
Avg	ND	0.001			ND	20		20		20	ND	20		20		40		80	

Approved: B S Dhahwal

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Central Contra Costa February 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	20		70		20		40		80		20		10	ND	10		10		10
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
Min	20		70		20		40		80		20		10	ND	10		10		10
Max	20		70		20		40		80		20		10	ND	10		10		10
Avg	20		70		20		40		80		20		10	ND	10		10		10

Approved: B S Dhaliwal

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Central Contra Costa February 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		10				
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
Min		10				
Max		10				
Avg		10				

Approved: BS Mahwi

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CENTRAL CONTRA COSTA SANITARY DISTRICT

EFFLUENT E-001
MASS LOADINGS OF 2,3,7,8-TCDD EQUIVALENTS

FEBRUARY 2009

	2,3,7,8 – TCDD Equivalent mg/month	
Month	Monthly Total	Running Annual Average**
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
February 2009	0.0	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
CHRONIC TOXICITY DATA

FEBRUARY 2009

MONTH	DATE	RED ABALONE TOXICITY	
		$1C_{25\%}$	TU*
February	February 5, 2008	9.7	10.3
April	April 22, 2008	13.5	7.4
June	June 17, 2008	11.0	9.1
September	September 22, 2008	9.5	10.5
October	October 20, 2008	13.5	7.4
November	November 5, 2008	13.3	7.5
January	January 6, 2009 January 20, 2009	8.9 12.0	11.2 8.3
3-Sample Median		12.0	8.3

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

CENTRAL CONTRA COSTA SANITARY DISTRICT

EFFLUENT E-001
MASS LOADINGS OF MERCURY

FEBRUARY 2009

	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	--
December 2008	0.049	--
January 2009	0.042	--
February 2009	0.080	0.06

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

CENTRAL CONTRA COSTA SANITARY DISTRICT

EFFLUENT E-001
ACUTE TOXICITY (FLOW-THROUGH) DATA*

FEBRUARY 2009

MONTH	DATE	FAT-HEAD MINNOW PERCENT SURVIVAL
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
February 2009	02/17/09	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.