

VI. Annual Pretreatment Program Data

2011 Annual Pretreatment Program Sludge Analysis (QUARTERLY SLUDGE PROJECT)

SOUTH BAY WATER RECLAMATION PLANT Order No. 2006-067 NPDES Permit No.CA0109045

The Quarterly Sludge Project is part of the South Bay WRP NPDES (Permit No. CA0109045/Order No. 2006-067) monitoring requirements for the Metropolitan Sewerage System. The sampling plan is designed so as to provide a “snapshot” of all of the physical and chemical characteristics monitored of the wastewater treatment waste streams for a short interval of time (1-2 days). This is conducted quarterly.

The Quarterly Sludge Project was conducted four times during 2011. Sampling occurred on February 1, May 3, August 2, and October 4. Monthly composite samples of MBC dewatered sludge (belt-press dewatered) during the respective calendar months were taken and analyzed for a similar suite of parameters. The tables showing the results of these analyses follow in this section. Results relative to the Pt. Loma WWTP or North City Water Reclamation Plant are in the respective annual reports for those facilities.

* pH, Grease & Oils, temperature, and conductivity are determined from grab samples.

Abbreviations:

SB_INF_02	SBWRP influent
SB_OUTFALL_01	SBWRP effluent
SB_ITP_COMB_EFF	SBWRP & IWTP combined effluent
SB_REC_WATER_34	SBWRP reclaim water
SB_PRIEFF_10	Primary Effluent
SB_SEC_EFF_29	Secondary effluent
SB_RSL_10	Primary Sed Tank to Sludge Line

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2011

Source: Date:		INFLUENT 01-FEB-2011	INFLUENT 03-MAY-2011	INFLUENT 02-AUG-2011	INFLUENT 04-OCT-2011
	MDL Units				
Aluminum	47 UG/L	1400	878	598	843
Antimony	2.9 UG/L	ND	ND	3.3	ND
Arsenic	.4 UG/L	0.8	0.5	ND	1.04
Barium	.039 UG/L	101	85.8	86.4	63.1
Beryllium	.022 UG/L	ND	0.04	ND	ND
Boron	7 UG/L	326	288	306	296
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	2.7	2.4	2.3	2.1
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	68.7	69.5	72.0	69.6
Iron	37 UG/L	825	754	647	562
Lead	2 UG/L	2.8	2.5	ND	ND
Manganese	.24 UG/L	74.9	71.4	70.0	64.8
Mercury	.005 UG/L	0.111	0.27	0.322	0.109
Molybdenum	.89 UG/L	6.1	4.9	7.1	5.5
Nickel	.53 UG/L	5.6	5.0	1.2	5.5
Selenium	.28 UG/L	1.18	0.90	0.78	0.50
Silver	.4 UG/L	0.7	0.7	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	2.50	3.22	2.17	0.90
Zinc	2.5 UG/L	140	149	159	153
Calcium Hardness	.1 MG/L	162	173	154	148
Magnesium Hardness	.4 MG/L	113	124	131	124
Total Hardness	.4 MG/L	274	297	286	271
Total Alkalinity (bicarbonate)	20 MG/L	316	289	336	325
Calcium	.04 MG/L	64.7	69.4	61.9	59.1
Lithium	.002 MG/L	0.031	0.032	0.025	0.020
Magnesium	.1 MG/L	27.4	30.0	31.9	30.1
Potassium	.3 MG/L	19.1	19.3	21.6	19.6
Sodium	1 MG/L	167	175	198	187
Bromide	.1 MG/L	0.44	0.44	0.43	0.42
Chloride	7 MG/L	217	248	239	228
Fluoride	.05 MG/L	0.61	0.67	0.64	0.72
Nitrate	.04 MG/L	0.28	0.10	0.15	1.31
Ortho Phosphate	.2 MG/L	10.4	11.0	10.6	11.7
Sulfate	9 MG/L	139	148	117	119
Cyanides, Total	.002 MG/L	ND	ND	0.002	ND
BOD	2 MG/L	259	377	373	328
pH	PH	7.8	7.5	7.6	7.6
Settleable Solids	.1 ML/L	5.0	8.0	8.0	18.0
Turbidity	.13 NTU	174	166	196	144
Total Kjeldahl Nitrogen	1.6 MG/L	51.7	49.2	53.3	55.0
Ammonia-N	.3 MG/L	32.7	30.8	34.7	25.1
Sulfides-Total	.18 MG/L	8.53	5.40	7.94	0.99
Total Suspended Solids	1.4 MG/L	234	286	262	256
Volatile Suspended Solids	1.6 MG/L	214	260	220	242
Total Dissolved Solids	28 MG/L	856	904	1050	965
MBAS (Surfactants)	.03 MG/L	11.0	15.0	15.0	11.0

ND= Not Detected

Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2011

Source: Date:		EFFLUENT 01-FEB-2011	EFFLUENT 03-MAY-2011	EFFLUENT 02-AUG-2011	EFFLUENT 04-OCT-2011
	MDL Units				
Aluminum	47 UG/L	230	149	ND	199
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	1.17	0.80	0.44	1.05
Barium	.039 UG/L	53.8	52.6	45.4	39.2
Beryllium	.022 UG/L	<0.02	0.05	ND	ND
Boron	7 UG/L	327	310	328	341
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	ND	ND	ND
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	15.7	22.4	5.6	7.2
Iron	37 UG/L	94	ND	ND	41
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	49.2	33.7	20.8	18.0
Mercury	.005 UG/L	ND	0.006	ND	ND
Molybdenum	.89 UG/L	3.8	2.5	3.5	3.5
Nickel	.53 UG/L	5.3	5.0	2.8	6.7
Selenium	.28 UG/L	0.69	0.55	ND	ND
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	<0.64	1.41	0.87	ND
Zinc	2.5 UG/L	28.3	30.2	28.1	29.9
Calcium Hardness	.1 MG/L	174	177	164	154
Magnesium Hardness	.4 MG/L	119	127	127	124
Total Hardness	.4 MG/L	292	304	290	278
Total Alkalinity (bicarbonate)	20 MG/L	170	171	156	170
Calcium	.04 MG/L	69.4	70.8	65.6	61.6
Lithium	.002 MG/L	0.031	0.028	0.021	0.019
Magnesium	.1 MG/L	28.8	30.8	30.7	30.1
Potassium	.3 MG/L	17.5	17.7	17.8	18.5
Sodium	1 MG/L	184	188	188	189
Bromide	.1 MG/L	0.40	0.48	0.49	0.47
Chloride	7 MG/L	241	261	246	246
Fluoride	.05 MG/L	0.63	1.08	0.73	0.85
Nitrate	.04 MG/L	20.2	29.4	38.9	33.4
Ortho Phosphate	.2 MG/L	6.1	6.7	1.6	6.8
Sulfate	9 MG/L	179	181	159	145
Cyanides, Total	.002 MG/L	0.002	ND	ND	ND
BOD	2 MG/L	19.6	11.5	4.2	9.7
pH	PH	7.4	7.4	7.6	7.3
Settleable Solids	.1 ML/L	ND	ND	ND	ND
Turbidity	.13 NTU	3.8	2.3	1.3	2.8
Total Kjeldahl Nitrogen	1.6 MG/L	7.8	2.3	1.8	2.4
Chlorine Residual, Total	.03 MG/L	0.07	0.05	0.06	0.06
Ammonia-N	.3 MG/L	4.7	2.6	ND	ND
Sulfides-Total	.18 MG/L	ND	ND	ND	ND
Total Suspended Solids	1.4 MG/L	6.9	5.7	ND	4.8
Volatile Suspended Solids	1.6 MG/L	5.8	5.1	ND	4.7
Total Dissolved Solids	28 MG/L	788	976	1070	965
MBAS (Surfactants)	.03 MG/L	0.18	0.25	0.13	0.16

ND= Not Detected

Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2011

Source: Date:		COMB EFF 03-FEB-2011	COMB EFF 03-MAY-2011	COMB EFF 02-AUG-2011	COMB EFF 04-OCT-2011
	MDL Units				
Aluminum	47 UG/L	439	ND	112	246
Antimony	2.9 UG/L	ND	ND	3.2	ND
Arsenic	.4 UG/L	1.0	2.0	2.33	2.68
Barium	.039 UG/L	35.2	2.7	37.7	22.0
Beryllium	.022 UG/L	ND	0.03	0.06	ND
Boron	7 UG/L	445	73	424	474
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	2.4	ND	4.5	2.0
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	52.0	3.9	33.6	7.4
Iron	37 UG/L	1550	37	2550	579
Lead	2 UG/L	22.2	2.3	2.4	ND
Manganese	.24 UG/L	101	20.5	112	62.8
Mercury	.005 UG/L	0.018	0.005	0.035	0.016
Molybdenum	.89 UG/L	7.7	2.1	8.1	7.6
Nickel	.53 UG/L	15.0	3.6	13.2	14.6
Selenium	.28 UG/L	1.0	1.0	1.23	0.93
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	2.03	1.03	4.02	0.91
Zinc	2.5 UG/L	46.7	6.0	53.9	24.8
Calcium Hardness	.1 MG/L	226	217	229	219
Magnesium Hardness	.4 MG/L	153	157	179	173
Total Hardness	.4 MG/L	378	374	408	392
Total Alkalinity (bicarbonate)	20 MG/L	280	204	163	181
Calcium	.04 MG/L	90.3	86.9	91.7	87.8
Lithium	.002 MG/L	0.053	0.040	0.063	0.071
Magnesium	.1 MG/L	37.1	38.1	43.4	41.9
Potassium	.3 MG/L	22.2	22.0	24.4	25.3
Sodium	1 MG/L	256	253	296	293
Bromide	.1 MG/L	0.44	1.03	0.52	0.44
Chloride	7 MG/L	313	358	363	358
Fluoride	.05 MG/L	0.59	0.64	0.69	0.65
Nitrate	.04 MG/L	11.5	50.7	59.0	33.8
Ortho Phosphate	.2 MG/L	2.3	3.0	3.9	16.9
Sulfate	9 MG/L	305	267	358	360
Cyanides, Total	.002 MG/L	0.009	0.005	0.005	0.005
BOD	2 MG/L	58.2*	33.4	78.8	47.5
pH	PH	7.3	7.2	7.4	7.2
Settleable Solids	.1 ML/L	0.3	ND	0.4	0.2
Turbidity	.13 NTU	31.1	2.3	39.5	7.9
Total Kjeldahl Nitrogen	1.6 MG/L	32.3	6.9	10.9	9.1
Chlorine Residual, Total	.03 MG/L	ND	ND	0.08	0.04^
Ammonia-N	.3 MG/L	21.8	6.4	2.1	3.3
Sulfides-Total	.18 MG/L	0.33	ND	ND	ND
Total Suspended Solids	1.4 MG/L	120	7.5	158	26.7
Volatile Suspended Solids	1.6 MG/L	90.0	6.0	130	16.7
Total Dissolved Solids	28 MG/L	1230	1290	1680	1180
MBAS (Surfactants)	.03 MG/L	1.40	2.10	0.19	0.25

*= result value from February 15, 2011 sample.

^= result value from October 5, 2011 sample.

ND= Not Detected

Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2011

Source: Date:		PRI EFF 01-FEB-2011	PRI EFF 03-MAY-2011	PRI EFF 02-AUG-2011	PRI EFF 04-OCT-2011
	MDL Units				
Aluminum	47 UG/L	864	593	187	329
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	1.25	0.80	0.56	0.84
Barium	.039 UG/L	67.1	68.0	58.3	44.5
Beryllium	.022 UG/L	ND	ND	0.03	ND
Boron	7 UG/L	334	271	307	307
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	1.9	1.7	ND	1.9
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	41.7	53.8	38.7	33.3
Iron	37 UG/L	421	485	304	200
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	91.3	68.7	62.5	54.1
Mercury	.005 UG/L	0.067	0.076	0.052	0.042
Molybdenum	.89 UG/L	5.4	6.9	5.6	4.8
Nickel	.53 UG/L	4.9	5.0	3.9	4.2
Selenium	.28 UG/L	1.01	0.80	0.72	0.46
Silver	.4 UG/L	0.9	ND	ND	0.5
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	1.00	2.33	1.10	ND
Zinc	2.5 UG/L	73.8	87.6	79.5	59.2
Calcium Hardness	.1 MG/L	170	165	153	156
Magnesium Hardness	.4 MG/L	118	122	125	126
Total Hardness	.4 MG/L	287	286	278	282
Total Alkalinity (bicarbonate)	20 MG/L	277	313	287	290
Calcium	.04 MG/L	67.9	66.0	61.2	62.7
Lithium	.002 MG/L	0.031	0.031	0.025	0.024
Magnesium	.1 MG/L	28.6	29.5	30.4	30.6
Potassium	.3 MG/L	20.3	20.1	19.9	19.8
Sodium	1 MG/L	182	189	196	193
Bromide	.1 MG/L	0.38	0.42	0.48	0.44
Chloride	7 MG/L	231	256	250	241
Fluoride	.05 MG/L	0.63	0.71	0.75	0.77
Nitrate	.04 MG/L	1.98	0.10	0.18	1.04
Ortho Phosphate	.2 MG/L	9.4	10.0	10.5	9.6
Sulfate	9 MG/L	167	150	127	152
Cyanides, Total	.002 MG/L	ND	ND	0.002	0.002
BOD	2 MG/L	158	245	144	146
pH	PH	7.6	7.5	7.7	7.7
Settleable Solids	.1 ML/L	0.4	0.5	1.8	0.5
Turbidity	.13 NTU	76.8	109	89.4	81.4
Total Kjeldahl Nitrogen	1.6 MG/L	43.2	40.5	41.1	44.7
Ammonia-N	.3 MG/L	27.0	33.0	30.8	22.8
Sulfides-Total	.18 MG/L	1.29	2.18	3.39	ND
Total Suspended Solids	1.4 MG/L	75.0	78.0	103	85.0
Volatile Suspended Solids	1.6 MG/L	62.5	68.0	87.5	82.5
Total Dissolved Solids	28 MG/L	884	1010	1000	975
MBAS (Surfactants)	.03 MG/L	8.90	11.0	12.0	4.30

ND= Not Detected

Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2011

Source: Date:		SEC_EFF 01-FEB-2011	SEC_EFF 03-MAY-2011	SEC_EFF 02-AUG-2011	SEC_EFF 04-OCT-2011
	MDL Units				
Aluminum	47 UG/L	235	134	ND	202
Antimony	2.9 UG/L	ND	ND	4.0	ND
Arsenic	.4 UG/L	1.20	0.80	0.47	0.77
Barium	.039 UG/L	53.8	53.3	43.9	36.5
Beryllium	.022 UG/L	ND	ND	0.10	ND
Boron	7 UG/L	337	336	311	316
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	ND	ND	ND
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	20.6	15.8	6.7	7.5
Iron	37 UG/L	92	52	56	39
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	40.7	27.7	29.2	17.5
Mercury	.005 UG/L	0.005	0.006	ND	ND
Molybdenum	.89 UG/L	3.9	2.9	3.3	3.4
Nickel	.53 UG/L	5.4	6.3	3.2	5.5
Selenium	.28 UG/L	0.77	0.60	0.41	ND
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	1.12	1.36	1.46	ND
Zinc	2.5 UG/L	27.1	29.0	49.3	28.7
Calcium Hardness	.1 MG/L	174	162	163	155
Magnesium Hardness	.4 MG/L	119	111	124	123
Total Hardness	.4 MG/L	293	273	287	278
Total Alkalinity (bicarbonate)	20 MG/L	167	168	153	156
Calcium	.04 MG/L	69.8	64.9	65.2	61.9
Lithium	.002 MG/L	0.032	0.034	0.023	0.022
Magnesium	.1 MG/L	28.8	27.0	30.2	30.0
Potassium	.3 MG/L	17.5	16.3	17.6	18.5
Sodium	1 MG/L	183	170	186	190
Bromide	.1 MG/L	0.43	0.50	0.47	0.47
Chloride	7 MG/L	240	260	241	247
Fluoride	.05 MG/L	0.63	0.72	0.76	0.83
Nitrate	.04 MG/L	27.7	32.6	39.6	34.1
Ortho Phosphate	.2 MG/L	6.4	7.0	1.3	6.4
Sulfate	9 MG/L	177	182	156	145
Cyanides, Total	.002 MG/L	ND	0.005	0.002	0.002
BOD	2 MG/L	23.5	15.9	9.7	12.2
pH	PH	7.3	7.4	7.7	7.5
Settleable Solids	.1 ML/L	ND	ND	ND	ND
Turbidity	.13 NTU	4.7	NR	NR	NR
Total Kjeldahl Nitrogen	1.6 MG/L	6.3	2.1	3.2	3.0
Ammonia-N	.3 MG/L	7.1	2.5	ND	0.3
Sulfides-Total	.18 MG/L	ND	ND	ND	ND
Total Suspended Solids	1.4 MG/L	7.7	7.3	9.9	7.4
Volatile Suspended Solids	1.6 MG/L	6.5	6.7	8.7	6.6
Total Dissolved Solids	28 MG/L	708	940	1070	965
MBAS (Surfactants)	.03 MG/L	0.19	0.23	0.15	0.12

ND= Not Detected
NR= Not Required
Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2011

Source: Date:		RAW SLUDGE 01-FEB-2011	RAW SLUDGE 03-MAY-2011	RAW SLUDGE 02-AUG-2011	RAW SLUDGE 04-OCT-2011
	MDL Units				
Aluminum	47 UG/L	3610	4250	18600	27100
Antimony	2.9 UG/L	ND	4.7	10.2	19.2
Arsenic	.4 UG/L	1.88	42.40	7.71	15.50
Barium	.039 UG/L	128	241	1150	1430
Beryllium	.022 UG/L	ND	0.10	0.05	0.40
Boron	7 UG/L	330	287	263	254
Cadmium	.53 UG/L	0.6	1.0	4.6	6.6
Chromium	1.2 UG/L	12.2	42.2	58.5	208
Cobalt	.85 UG/L	ND	2.1	6.3	19.4
Copper	2 UG/L	124	525	1430	4170
Iron	37 UG/L	2380	11800	23000	52100
Lead	2 UG/L	11.1	127	83.9	623
Manganese	.24 UG/L	137	246	561	831
Mercury	.005 UG/L	0.402	29.1	2.57	302
Molybdenum	.89 UG/L	6.5	13.1	69.0	73.6
Nickel	.53 UG/L	16.2	48.5	69.6	299
Selenium	.28 UG/L	1.0	80.9	22.3	ND
Silver	.4 UG/L	2.5	8.8	11.3	163
Thallium	3.9 UG/L	ND	ND	7.4	10.8
Vanadium	.64 UG/L	4.58	14.5	35.8	68.1
Zinc	2.5 UG/L	319	922	3230	5400
Total Alkalinity (bicarbonate)	20 MG/L	403	608	NR	NR
Calcium	.04 MG/L	80.2	72.5	70.0	86.7
Lithium	.002 MG/L	0.036	0.031	0.027	0.024
Magnesium	.1 MG/L	33.9	30.0	33.9	36.3
Potassium	.3 MG/L	23.6	22.1	23.2	26.3
Sodium	1 MG/L	195	169	189	180
Bromide	.1 MG/L	0.37	0.39	0.45	0.31
Chloride	7 MG/L	233	266	266	249
Fluoride	.05 MG/L	0.63	0.42	0.41	0.31
Nitrate	.04 MG/L	0.26	0.12	0.15	0.13
Ortho Phosphate	.2 MG/L	30.1	45.6	50.1	60.7
Sulfate	9 MG/L	113	71	38	22
Cyanides, Total	.002 MG/L	ND	0.002	0.002	0.003
Total Kjeldahl Nitrogen	1.6 MG/L	106	324	334	477
Sulfides-Total	.18 MG/L	14.7	43.7	40.4	48.3

ND= Not Detected
NR= Not Required
Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2011

Source: Date:		REC_WATER 01-FEB-2011	REC_WATER 03-MAY-2011	REC_WATER 02-AUG-2011	REC_WATER 04-OCT-2011
	MDL Units				
Aluminum	47 UG/L	463	129	ND	223
Antimony	2.9 UG/L	ND	ND	3.4	ND
Arsenic	.4 UG/L	1.16	0.90	0.52	1.04
Barium	.039 UG/L	46.0	51.7	45.3	38.3
Beryllium	.022 UG/L	0.03	ND	ND	ND
Boron	7 UG/L	328	219	333	325
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	ND	ND	1.5
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	10.2	9.6	5.7	6.7
Iron	37 UG/L	64	ND	ND	43
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	33.4	24.2	13.7	14.4
Mercury	.005 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	3.3	3.5	3.3	2.8
Nickel	.53 UG/L	4.6	5.5	2.9	6.5
Selenium	.28 UG/L	0.63	0.60	0.36	ND
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	ND	0.76	1.30	ND
Zinc	2.5 UG/L	22.0	28.4	26.7	29.5
Calcium Hardness	.1 MG/L	168	199	164	156
Magnesium Hardness	.4 MG/L	116	154	126	124
Total Hardness	.4 MG/L	284	354	290	280
Total Alkalinity (bicarbonate)	20 MG/L	178	176	156	160
Calcium	.04 MG/L	67.1	79.8	65.7	62.6
Lithium	.002 MG/L	0.030	0.038	0.024	0.021
Magnesium	.1 MG/L	28.2	37.5	30.6	30.1
Potassium	.3 MG/L	17.2	13.2	17.8	18.8
Sodium	1 MG/L	180	177	189	192
Bromide	.1 MG/L	0.40	0.44	0.42	0.44
Chloride	7 MG/L	238	260	246	246
Fluoride	.05 MG/L	0.54	0.67	0.70	0.71
Nitrate	.04 MG/L	14.90	24.30	38.80	32.80
Ortho Phosphate	.2 MG/L	5.7	6.7	1.1	5.9
Sulfate	9 MG/L	182	185	162	147
Cyanides, Total	.002 MG/L	0.003	0.003	0.003	0.003
BOD	2 MG/L	6.6	3.5	2.4	2.6
pH	PH	7.4	7.4	7.6	7.3
Turbidity	.13 NTU	2.4	1.4	1.0	1.4
Total Kjeldahl Nitrogen	1.6 MG/L	1.9	ND	1.9	2.3
Ammonia-N	.3 MG/L	3.8	0.6	ND	ND
Sulfides-Total	.18 MG/L	0.33	ND	ND	ND
Total Suspended Solids	1.4 MG/L	5.3	ND	ND	ND
Volatile Suspended Solids	1.6 MG/L	4.2	ND	ND	ND
Total Dissolved Solids	28 MG/L	724	952	1040	950
MBAS (Surfactants)	.03 MG/L	0.19	0.21	0.15	0.14

ND= Not Detected

Chromium results are for Total Chromium

SOUTH BAY WATER RECLAMATION PLANT
Ammonia-Nitrogen and Total Cyanides

Annual 2011

Total Cyanide, MDL=0.002 mg/L

Source:	INFLUENT	EFFLUENT	COMB EFF	PRI EFF	SEC EFF	RSL
01-FEB-2011	ND	0.002	NR	ND	ND	ND
03-FEB-2011	NR	NR	0.009	NR	NR	NR
03-MAY-2011	ND	ND	0.005	ND	0.005	0.002
02-AUG-2011	0.002	ND	0.005	0.002	0.002	0.002
04-OCT-2011	ND	ND	0.005	0.002	0.002	0.003
AVERAGE	0.001	0.001	0.006	0.001	0.002	0.002

Ammonia as Nitrogen, MDL=0.3 mg/L

Source:	INFLUENT	EFFLUENT	COMB EFF	PRI EFF	SEC EFF
01-FEB-2011	32.7	4.71	NR	27.0	7.09
03-FEB-2011	NR	NR	21.8	NR	NR
03-MAY-2011	30.8	2.62	6.38	33.0	2.53
02-AUG-2011	34.7	ND	2.12	30.8	ND
04-OCT-2011	25.1	ND	3.28	22.8	0.33
AVERAGE	30.8	1.83	8.40	28.4	2.49

ND= Not Detected
NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
Radioactivity

Annual 2011

Analyzed by: TestAmerica Laboratories Richland

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
INFLUENT	01-FEB-2011	P549339	4.6 ± 3.0	19.2 ± 5.3
INFLUENT	03-MAY-2011	P558037	3.5 ± 2.5	23.3 ± 6.1
INFLUENT	02-AUG-2011	P564981	3.4 ± 2.1	22.1 ± 4.1
INFLUENT	04-OCT-2011	P584726	4.6 ± 4.6	19.0 ± 4.9
INFLUENT	ANNUAL	AVERAGE	4.0 ± 3.1	21.9 ± 5.1

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
EFFLUENT	01-FEB-2011	P549344	3.9 ± 1.9	19.3 ± 4.5
EFFLUENT	03-MAY-2011	P558042	2.7 ± 1.9	21.1 ± 5.4
EFFLUENT	02-AUG-2011	P564986	1.8 ± 1.7	19.1 ± 4.0
EFFLUENT	04-OCT-2011	P584731	0.4 ± 3.2	18.5 ± 4.4
EFFLUENT	ANNUAL	AVERAGE	2.2 ± 2.2	19.5 ± 4.6

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
COMB EFF	03-FEB-2011	P549349	0.9 ± 3.0	27.9 ± 7.4
COMB EFF	03-MAY-2011	P558047	4.4 ± 2.6	24.7 ± 6.9
COMB EFF	02-AUG-2011	P564991	4.8 ± 3.1	27.6 ± 7.3
COMB EFF	04-OCT-2011	P584736	-0.2 ± 5.3	26.9 ± 6.1
COMB EFF	ANNUAL	AVERAGE	2.5 ± 3.5	26.8 ± 6.9

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PRI EFF	01-FEB-2011	P549354	2.9 ± 2.5	23.6 ± 4.6
PRI EFF	03-MAY-2011	P558052	3.5 ± 2.1	23.8 ± 5.4
PRI EFF	02-AUG-2011	P564996	3.1 ± 2.0	20.1 ± 3.9
PRI EFF	04-OCT-2011	P584741	2.3 ± 3.7	19.6 ± 5.0
PRI EFF	ANNUAL	AVERAGE	3.0 ± 2.6	21.8 ± 4.7

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
SEC EFF	01-FEB-2011	P549359	1.2 ± 1.5	19.1 ± 3.9
SEC EFF	03-MAY-2011	P558057	0.3 ± 0.9	17.6 ± 4.3
SEC EFF	02-AUG-2011	P565001	0.9 ± 1.5	18.2 ± 3.9
SEC EFF	04-OCT-2011	P584746	-0.6 ± 2.4	18.9 ± 4.1
SEC EFF	ANNUAL	AVERAGE	1.8 ± 1.6	18.5 ± 4.1

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
REC WATER	01-FEB-2011	P549375	2.2 ± 1.9	20.8 ± 5.2
REC WATER	03-MAY-2011	P558071	3.0 ± 2.0	20.5 ± 4.7
REC WATER	02-AUG-2011	P565017	1.7 ± 1.7	17.3 ± 4.1
REC WATER	04-OCT-2011	P584760	0.0 ± 4.4	19.1 ± 4.7
REC WATER	ANNUAL	AVERAGE	1.7 ± 2.5	19.4 ± 4.7

Units in picocuries/liter (pCi/L)

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2011

Analyte	MDL	Units	INFLUENT	INFLUENT	INFLUENT	INFLUENT
			01-FEB-2011 P549339	03-MAY-2011 P558037	02-AUG-2011 P564981	04-OCT-2011 P584726
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	6	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	6	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	6	0	0

ND=not detected

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2011

Analyte	MDL	Units	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
			01-FEB-2011 P549344	03-MAY-2011 P558042	02-AUG-2011 P564986	04-OCT-2011 P584731
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND=not detected
NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2011

Analyte	MDL	Units	COMB EFF	COMB EFF	COMB EFF	COMB EFF
			03-FEB-2011 P549349	03-MAY-2011 P558047	02-AUG-2011 P564991	04-OCT-2011 P584736
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND=not detected
NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2011

Analyte	MDL	Units	PRI EFF	PRI EFF	PRI EFF	PRI EFF
			01-FEB-2011 P549354	03-MAY-2011 P558052	02-AUG-2011 P564996	04-OCT-2011 P584741
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND=not detected

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2011

Analyte	MDL	Units	SEC EFF	SEC EFF	SEC EFF	SEC EFF
			01-FEB-2011 P549359	03-MAY-2011 P558057	02-AUG-2011 P565001	04-OCT-2011 P584746
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND=not detected

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2011

Analyte	MDL	Units	RSL	RSL	RSL	RSL
			01-FEB-2011 P549373	03-MAY-2011 P558069	02-AUG-2011 P565015	04-OCT-2011 P584758
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND=not detected

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2011

Analyte	MDL	Units	REC_WATER	REC_WATER	REC_WATER	REC_WATER
			01-FEB-2011 P549375	03-MAY-2011 P558071	02-AUG-2011 P565017	06-OCT-2011 P586994
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
Aldrin + Dieldrin	7	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Heptachlors	8	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND=not detected

NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Organophosphorus Pesticides EPA Method 614/622 (with additions)

Annual 2011

Analyte	MDL Units	INF	INF	EFF	EFF	COMB EFF
		03-MAY-2011 P558037	04-OCT-2011 P584726	03-MAY-2011 P558042	04-OCT-2011 P584731	03-MAY-2011 P558047
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	0.1	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.15 UG/L	0.0	0.1	0.0	0.0	0.0

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT
Organophosphorus Pesticides EPA Method 614/622 (with additions)

Annual 2011

Analyte	MDL Units	COMB EFF	PRI EFF	PRI EFF	SEC EFF	SEC EFF
		04-OCT-2011 P584736	03-MAY-2011 P558052	04-OCT-2011 P584741	03-MAY-2011 P558057	04-OCT-2011 P584746
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	0.1	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	0.03	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	0.03	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.03	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.15 UG/L	0.1	0.0	0.06	0.0	0.0

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT
Organophosphorus Pesticides EPA Method 614/622 (with additions)

Annual 2011

Analyte	MDL Units	RSL	RSL	RECLAIM	RECLAIM
		03-MAY-2011 P558069	04-OCT-2011 P584758	03-MAY-2011 P558071	06-OCT-2011 P586994
Demeton O	.15 UG/L	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND
Dichlorvos	.05 UG/L	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2011

Analyte	MDL	Units	SB_INF_02	SB_INF_02	SB_INF_02	SB_INF_02
			01-FEB-2011 P549339	03-MAY-2011 P558037	02-AUG-2011 P564981	04-OCT-2011 P584726
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	9.4	12.1	17.8
Diethyl phthalate	3.05	UG/L	9.0	8.9	6.7	6.0
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	9.0	18.3	18.8	23.8

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2011

Analyte	MDL	Units	SB_OUTFALL_01	SB_OUTFALL_01	SB_OUTFALL_01	SB_OUTFALL_01
			01-FEB-2011 P549344	03-MAY-2011 P558042	02-AUG-2011 P564986	04-OCT-2011 P584731
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	0.0	0.0
Additional analytes determined						
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2011

Analyte	MDL	Units	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF
			03-FEB-2011 P549349	03-MAY-2011 P558047	02-AUG-2011 P564991	04-OCT-2011 P584736
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	0.0	0.0
Additional analytes determined						
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2011

Analyte	MDL	Units	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10
			01-FEB-2011 P549354	03-MAY-2011 P558052	02-AUG-2011 P564996	04-OCT-2011 P584741
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	9.0	11.3	10.8	ND
Diethyl phthalate	3.05	UG/L	6.4	9.4	8.0	3.6
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	15.4	20.7	18.8	3.6

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2011

Analyte	MDL	Units	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20
			01-FEB-2011 P549359	03-MAY-2011 P558057	02-AUG-2011 P565001	04-OCT-2011 P584746
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	0.0	0.0
Additional analytes determined						
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2011

Analyte	MDL	Units	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
			01-FEB-2011 P549375	03-MAY-2011 P558071	02-AUG-2011 P565017	06-OCT-2011 P586994
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	14.1	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	14.1	0.0
Additional analytes determined						
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2011

Analyte:	MDL	Units	INFLUENT	INFLUENT	INFLUENT	INFLUENT
			01-FEB-2011 P549339	03-MAY-2011 P558037	02-AUG-2011 P564981	04-OCT-2011 P584726
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	35.6	41.8	39.8	43.8
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	116	116	110	88.9
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	35.6	41.8	39.8	43.8
Total Phenols	2.16	UG/L	35.6	41.8	39.8	43.8

Analyte:	MDL	Units	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
			01-FEB-2011 P549344	03-MAY-2011 P558042	02-AUG-2011 P564986	04-OCT-2011 P584731
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2011

Analyte:	MDL	Units	COMB EFF	COMB EFF	COMB EFF	COMB EFF
			03-FEB-2011 P549349	03-MAY-2011 P558047	02-AUG-2011 P564991	04-OCT-2011 P584736
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

Analyte:	MDL	Units	PRI EFF	PRI EFF	PRI EFF	PRI EFF
			01-FEB-2011 P549354	03-MAY-2011 P558052	02-AUG-2011 P564996	04-OCT-2011 P584741
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	19.7	45.0	35.1	9.6
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	69.2	115	79.7	7.8
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	19.7	45.0	35.1	9.6
Total Phenols	2.16	UG/L	19.7	45.0	35.1	9.6

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2011

Analyte:	MDL	Units	SEC EFF	SEC EFF	SEC EFF	SEC EFF
			01-FEB-2011 P549359	03-MAY-2011 P558057	02-AUG-2011 P565001	04-OCT-2011 P584746
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

Analyte:	MDL	Units	RSL	RSL	RSL	RSL
			01-FEB-2011 P549373	03-MAY-2011 P558069	02-AUG-2011 P565015	04-OCT-2011 P584758
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	78.4	109	122	154
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	134	277	169	497
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	78.4	109	122	154
Total Phenols	2.16	UG/L	78.4	109	122	154

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2011

Analyte:	MDL	Units	REC WATER	REC WATER	REC WATER	REC WATER
			01-FEB-2011	03-MAY-2011	02-AUG-2011	06-OCT-2011
			P549375	P558071	P565017	P586994
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2011

Analyte	MDL Units	SB_INF_02	SB_INF_02	SB_INF_02	SB_INF_02
		01-FEB-2011 P549342	03-MAY-2011 P558040	02-AUG-2011 P564984	04-OCT-2011 P584729
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	2.1	1.6	2.0	1.6
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	0.7	0.8	0.92*	0.8
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	3.5	1.1	1.2	0.9
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	0.6	0.8	1.0	1.0
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	5.6	2.7	3.2	2.5
Purgeable Compounds	1.3 UG/L	6.9	4.3	4.2	4.3
Additional Analytes Determined					
Acetone	4.5 UG/L	141	125	217	264
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	6.5	8.1	7.2	9.2
Carbon disulfide	.6 UG/L	1.9	2.6	1.7	1.5
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

* = The blank in this batch was 0.55 UG/L, result above the MDL.
ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2011

Analyte	MDL Units	SB_OUTFALL_01	SB_OUTFALL_01	SB_OUTFALL_01	SB_OUTFALL_01
		01-FEB-2011 P549347	03-MAY-2011 P558045	02-AUG-2011 P564989	04-OCT-2011 P584734
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	0.2	0.6	1.1	1.4
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	ND	0.64*	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	72.6	0.7	ND	0.6
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	72.8	1.3	1.1	2.0
Purgeable Compounds	1.3 UG/L	72.8	1.3	1.1	2.0
Additional Analytes Determined					
Acetone	4.5 UG/L	ND	ND	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

* = The blank in this batch was 0.55 UG/L, result above the MDL.
ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2011

Analyte	MDL Units	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF
		01-FEB-2011 P549352	03-MAY-2011 P558050	02-AUG-2011 P564994	04-OCT-2011 P584739
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	3.1	2.6	0.8	0.5
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	1.0	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	2.4	1.3	1.6*	1.4
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	1.0	0.4	ND	ND
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	4.2	3.6	1.9
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	4.1	3.0	0.8	0.5
Purgeable Compounds	1.3 UG/L	7.5	8.5	4.4	3.8
Additional Analytes Determined					
Acetone	4.5 UG/L	ND	ND	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

* = The blank in this batch was 0.55 UG/L, result above the MDL.
ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B
Annual 2011

Analyte	MDL Units	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10
		01-FEB-2011 P549357	03-MAY-2011 P558055	02-AUG-2011 P564999	04-OCT-2011 P584744
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	1.6	1.4	1.8	1.5
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	0.5	ND	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	5.4	0.9	0.9	0.9
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	0.6	0.5	0.6	0.5
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	7.0	2.3	2.7	2.4
Purgeable Compounds	1.3 UG/L	7.6	3.3	3.3	2.9
Additional Analytes Determined					
Acetone	4.5 UG/L	153	234	365	249
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	7.9	9.2	7.6	8.8
Carbon disulfide	.6 UG/L	7.3	6.9	2.2	1.8
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B
Annual 2011

Analyte	MDL Units	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20
		01-FEB-2011 P549362	03-MAY-2011 P558060	02-AUG-2011 P565004	04-OCT-2011 P584749
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	ND	0.3	0.5	0.4
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	7.4	0.4	ND	ND
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	7.4	0.7	0.5	0.4
Purgeable Compounds	1.3 UG/L	7.4	0.7	0.5	0.4
Additional Analytes Determined					
Acetone	4.5 UG/L	ND	<4.5	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B
Annual 2011

Analyte	MDL Units	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
		01-FEB-2011 P549378	03-MAY-2011 P558074	02-AUG-2011 P565020	04-OCT-2011 P584763
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	1.4	1.7	10.9
Bromoform	.5 UG/L	ND	ND	ND	1.3
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	1.2	2.4	4.3	21.5
Chloromethane	.5 UG/L	ND	ND	ND	<0.5
Dibromochloromethane	.6 UG/L	ND	0.7	0.7	12.0
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	0.6	2.0	ND	0.5
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	1.3
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	1.8	4.4	4.3	22.0
Purgeable Compounds	1.3 UG/L	1.8	6.5	6.7	46.2
Additional Analytes Determined					
Acetone	4.5 UG/L	ND	ND	ND	5.1
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B
Annual 2011

Analyte	MDL Units	SB_RSL_10_B	SB_RSL_10_B	SB_RSL_10_B	SB_RSL_10_B
		01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
		P549373	P558069	P565015	P584758
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	2.7	2.7	3.5	2.4
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	0.7	1.7	1.7	1.6*
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	19.5	43.0	2.3	2.8*
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	1.6	2.2	3.1	55.8
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	22.2	45.7	5.8	2.4
Purgeable Compounds	1.3 UG/L	24.5	49.6	10.6	58.2

Additional Analytes Determined

Acetone	4.5 UG/L	106	203	211	101
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	12.1	8.1	9.5
Carbon disulfide	.6 UG/L	2.1	2.1	2.6	2.3
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

*= The value of the blank in this batch for 1,4-Dichlorobenzene was 0.64 UG/L and for Methylene chloride was 0.75 UG/L, results above the MDL.

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Tributyl Tin Analysis

Annual 2011

Analyte	MDL	Units	INFLUENT	INFLUENT	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
			P549339	P558037	P564981	P584726	P549344	P558042	P564986
			01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011	03-MAY-2011	02-AUG-2011
Dibutyltin	7	UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND	ND	ND	ND
Tributyltin	2	UG/L	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	EFFLUENT	COMB EFF	COMB EFF	COMB EFF	COMB EFF	PRI EFF	PRI EFF
			P584731	P549349	P558047	P564991	P584736	P549354	P558052
			04-OCT-2011	03-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011	03-MAY-2011
Dibutyltin	7	UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND	ND	ND	ND
Tributyltin	2	UG/L	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	PRI EFF	PRI EFF	SEC EFF	SEC EFF	SEC EFF	SEC EFF	REC WATER
			P564996	P584741	P549359	P558057	P565001	P584746	P549375
			02-AUG-2011	04-OCT-2011	01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011	01-FEB-2011
Dibutyltin	7	UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND	ND	ND	ND
Tributyltin	2	UG/L	ND	ND	ND	ND	ND	ND	ND

Analyte	MDL	Units	REC WATER	REC WATER	REC WATER
			P558071	P565017	P586994
			03-MAY-2011	02-AUG-2011	06-OCT-2011
Dibutyltin	7	UG/L	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND
Tributyltin	2	UG/L	ND	ND	ND

ND=not detected

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2011

Analytes	MDL Units	Equiv.	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
			01-FEB-2011 P549339	01-FEB-2011 P549339	01-FEB-2011 P549344	01-FEB-2011 P549344
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND

Analytes	MDL Units	Equiv.	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
			03-MAY-2011 P558037	03-MAY-2011 P558037	03-MAY-2011 P558042	03-MAY-2011 P558042
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND

ND= not detected

DNQ= (Detected but not quantified). Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2011

Analytes	MDL	Units	Equiv.	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
				TCDD			
				02-AUG-2011	02-AUG-2011	02-AUG-2011	02-AUG-2011
				P564981	P564981	P564986	P564986
2,3,7,8-tetra CDD	125	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137	PG/L	0.010	ND	ND	ND	ND
octa CDD	247	PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118	PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166	PG/L	0.010	ND	ND	ND	ND
octa CDF	222	PG/L	0.001	ND	ND	ND	ND

Analytes	MDL	Units	Equiv.	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
				TCDD			
				04-OCT-2011	04-OCT-2011	04-OCT-2011	04-OCT-2011
				P584726	P584726	P584731	P584731
2,3,7,8-tetra CDD	125	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137	PG/L	0.010	DNQ16.3	DNQ0.163	ND	ND
octa CDD	247	PG/L	0.001	160	0.16	DNQ6.13	DNQ0.006
2,3,7,8-tetra CDF	115	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118	PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166	PG/L	0.010	ND	ND	ND	ND
octa CDF	222	PG/L	0.001	DNQ10	DNQ0.010	ND	ND

ND= not detected

DNQ= (Detected but not quantified). Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2011

Analytes	MDL Units	Equiv.	COMB EFF	COMB EFF	PRIMARY EFF	PRIMARY EFF
				TCDD		TCDD
			03-FEB-2011 P549349	03-FEB-2011 P549349	01-FEB-2011 P549354	01-FEB-2011 P549354
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND

Analytes	MDL Units	Equiv.	COMB EFF	COMB EFF	PRIMARY EFF	PRIMARY EFF
				TCDD		TCDD
			03-MAY-2011 P558047	03-MAY-2011 P558047	03-MAY-2011 P558052	03-MAY-2011 P558052
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND

ND= not detected

DNQ= (Detected but not quantified). Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2011

Analytes	MDL Units	Equiv.	COMB EFF	COMB EFF	PRIMARY EFF	PRIMARY EFF
			TCDD	TCDD		TCDD
			02-AUG-2011	02-AUG-2011	02-AUG-2011	02-AUG-2011
			P564991	P564991	P564996	P564996
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND

Analytes	MDL Units	Equiv.	COMB EFF	COMB EFF
			TCDD	TCDD
			04-OCT-2011	04-OCT-2011
			P584736	P584736
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND
octa CDD	247 PG/L	0.001	DNQ19.7	DNQ0.02
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND
octa CDF	222 PG/L	0.001	ND	ND

ND= not detected

DNQ= (Detected but not quantified). Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2011

Analytes	MDL Units	Equiv.	SEC EFF	SEC EFF	SEC EFF	SEC EFF
			01-FEB-2011 P549359	01-FEB-2011 P549359	03-MAY-2011 P558057	03-MAY-2011 P558057
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND	ND	ND
octa CDD	247 PG/L	0.001	ND	ND	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND	ND	ND
octa CDF	222 PG/L	0.001	ND	ND	ND	ND

Analytes	MDL Units	Equiv.	SEC EFF	SEC EFF
			02-AUG-2011 P565001	02-AUG-2011 P565001
2,3,7,8-tetra CDD	125 PG/L	1.000	ND	ND
1,2,3,7,8-penta CDD	123 PG/L	0.500	ND	ND
1,2,3,4,7,8_hexa_CDD	113 PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDD	98 PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDD	111 PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDD	137 PG/L	0.010	ND	ND
octa CDD	247 PG/L	0.001	ND	ND
2,3,7,8-tetra CDF	115 PG/L	0.100	ND	ND
1,2,3,7,8-penta CDF	140 PG/L	0.050	ND	ND
2,3,4,7,8-penta CDF	118 PG/L	0.050	ND	ND
1,2,3,4,7,8-hexa CDF	147 PG/L	0.100	ND	ND
1,2,3,6,7,8-hexa CDF	107 PG/L	0.100	ND	ND
1,2,3,7,8,9-hexa CDF	152 PG/L	0.100	ND	ND
2,3,4,6,7,8-hexa CDF	148 PG/L	0.100	ND	ND
1,2,3,4,6,7,8-hepta CDF	90 PG/L	0.010	ND	ND
1,2,3,4,7,8,9-hepta CDF	166 PG/L	0.010	ND	ND
octa CDF	222 PG/L	0.001	ND	ND

ND= not detected

DNQ= (Detected but not quantified). Estimated analyte concentration below calibration range.

This page left blank intentionally.

VII. Reclaimed Water Data Summary.

The results of all analyses performed on Reclaimed water are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated. Graphs of monthly averages are presented.

- A. Reclaimed Water Data Summaries
- B. Reclaimed Water Graphs
- C. Daily Values of Selected Parameters
- D. Total Coliforms Data Summaries
- E. UV Performance Report

A. Reclaimed Water Data Summaries

The results of all analyses performed on the SBWRP Reclaimed are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated.

South Bay Water Reclamation Plant
Annual Recycled Water Turbidity Report - 2011

Data from in-plant meter 4

Date	Average Daily Turbidity (NTU)	Minimum Daily 1 Turbidity (NTU)	Maximum Daily 2 Turbidity (NTU)	Time over 3 5 ntu's (minutes)
Jan	0.69	0.55	1.20	0
Feb	0.81	0.59	1.15	0
Mar	0.65	0.35	1.72	0
Apr	0.73	0.51	1.18	0
May	0.52	0.30	1.17	0
Jun	0.48	0.27	0.87	0
Jul	0.30	0.14	0.92	0
Aug	0.62	0.40	1.07	0
Sep	0.64	0.43	1.19	0
Oct	0.41	0.27	0.69	0
Nov	0.19	0.13	0.30	0
Dec	0.61	0.39	1.23	0.01
Average:	0.55			

1 Minimum Daily value is the average recorded for the month.

2 Maximum Daily value is the average recorded value for the month.

3 Total time for the month.

4 Compliance monitoring point, values taken from the DCS Point (S29AI0203), located at the UV Vault in Area 29 (Tertiary UV Disinfection System)

SOUTH BAY WATER RECLAMATION PLANT

Annual 2011

Reclaim Water
(SB_REC_WATER_34)

Analyte: Units:	Flow (mgd)	pH	Biochemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Turbidity* (NTU)
JANUARY -2011	1.01	7.43	5.1	2.3	<1.6	988	1.14
FEBRUARY -2011	1.47	7.34	3.3	1.8	<1.6	886	1.69
MARCH -2011	0.84	7.35	2.7	1.5	<1.6	950	0.99
APRIL -2011	2.94	7.37	2.6	<1.4	<1.6	939	1.31
MAY -2011	4.27	7.39	2.1	1.4	<1.6	971	1.37
JUNE -2011	5.32	7.49	4.4	<1.4	<1.6	982	NR
JULY -2011	5.67	7.45	4.6	<1.4	<1.6	971	NR
AUGUST -2011	6.24	7.43	<2.0	<1.4	<1.6	990	0.96
SEPTEMBER -2011	5.44	7.40	2.0	<1.4	<1.6	929	1.21
OCTOBER -2011	4.27	7.38	2.2	<1.4	<1.6	847	1.41
NOVEMBER -2011	0.78	7.34	<2.0	<1.4	<1.6	902	NR
DECEMBER -2011	0.33	7.34	<2.0	<1.4	<1.6	897	NR
Average	3.22	7.39	2.4	0.6	<1.6	938	1.26

*= Not for compliance monitoring
ND=not detected; NR=not required

SOUTH BAY WATER RECLAMATION PLANT
SB_REC_WATER_34 Reclaimed Water- Annual Averages

Annual 2011

Source:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.022	7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	NR	NR	NR	NR	NR	260
FEBRUARY -2011	463	ND	1.16	46.0	0.03	328
MARCH -2011	NR	NR	NR	NR	NR	289
APRIL -2011	NR	NR	NR	NR	NR	313
MAY -2011	129	ND	0.90	51.7	ND	219
JUNE -2011	NR	NR	NR	NR	NR	244
JULY -2011	NR	NR	NR	NR	NR	327
AUGUST -2011	ND	3.4	0.52	45.3	ND	333
SEPTEMBER-2011	NR	NR	NR	NR	NR	259
OCTOBER -2011	223	ND	1.04	38.3	ND	325
NOVEMBER -2011	NR	NR	NR	NR	NR	141
DECEMBER -2011	NR	NR	NR	NR	NR	300
=====	=====	=====	=====	=====	=====	=====
Annual Average:	204	0.9	0.91	45.3	0.003	278

Source:	Cadmium	Chromium	Copper	Iron	Manganese	Mercury
MDL:	.53	1.2	2	37	.24	.005
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	NR	NR	NR	51	28.7	NR
FEBRUARY -2011	ND	ND	10.2	64	33.4	ND
MARCH -2011	NR	NR	NR	65	15.4	NR
APRIL -2011	NR	NR	NR	43	23.5	NR
MAY -2011	ND	ND	9.6	ND	24.2	ND
JUNE -2011	NR	NR	NR	ND	24.0	NR
JULY -2011	NR	NR	NR	40	27.9	ND
AUGUST -2011	ND	ND	5.7	ND	13.7	ND
SEPTEMBER-2011	NR	NR	NR	ND	21.3	ND
OCTOBER -2011	ND	1.50	6.7	43	14.4	ND
NOVEMBER -2011	NR	NR	NR	ND	23.4	NR
DECEMBER -2011	NR	NR	NR	ND	34.9	NR
=====	=====	=====	=====	=====	=====	=====
Annual Average:	ND	0.38	8.1	26	23.7	ND

Source:	Nickel	Selenium	Thallium	Chloride	Fluoride	Sulfate
MDL:	.53	.28	3.9	7	.05	9
Units:	UG/L	UG/L	UG/L	MG/L	MG/L	MG/L
=====	=====	=====	=====	=====	=====	=====
JANUARY -2011	NR	NR	NR	280	0.59	201
FEBRUARY -2011	4.55	0.63	ND	244	0.50	174
MARCH -2011	NR	NR	NR	262	0.63	177
APRIL -2011	NR	NR	NR	245	0.71	183
MAY -2011	5.47	0.60	ND	254	0.67	184
JUNE -2011	NR	NR	NR	236	0.72	167
JULY -2011	NR	NR	NR	251	0.72	163
AUGUST -2011	2.94	0.36	ND	249	0.72	159
SEPTEMBER-2011	NR	NR	NR	243	0.63	146
OCTOBER -2011	6.48	ND	ND	226	0.66	139
NOVEMBER -2011	NR	NR	NR	222	0.62	124
DECEMBER -2011	NR	NR	NR	242	0.67	139
=====	=====	=====	=====	=====	=====	=====
Annual Average:	4.86	0.40	ND	246	0.65	163

ND= Not Detected
NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
SB_REC_WATER_34 Reclaimed Water- Annual Averages

Annual 2011

Source:	Total Cyanides (surfactants)	MBAS	Percent Sodium Calculated %	Calcium	Magnesium	Potassium
MDL:	.002	.03		.04	.1	.3
Units:	MG/L	MG/L		MG/L	MG/L	MG/L
JANUARY -2011	NR	0.07	55.4	78.1	36.2	18.7
FEBRUARY -2011	0.0026	0.19	56.2	67.1	28.2	17.2
MARCH -2011	NR	0.22	56.7	63.7	28.3	15.9
APRIL -2011	NR	0.11	55.4	64.1	25.5	16.1
MAY -2011	0.0029	0.21	51.0	79.8	37.5	13.2
JUNE -2011	NR	0.21	57.4	65.1	27.7	18.2
JULY -2011	NR	0.16	58.4	60.3	26.3	16.9
AUGUST -2011	0.0033	0.15	56.8	65.7	30.6	17.8
SEPTEMBER -2011	NR	0.28	57.9	57.7	29.3	18.2
OCTOBER -2011	0.0027	0.14	57.9	62.6	30.1	18.8
NOVEMBER -2011	NR	0.15	62.4	49.6	21.0	16.9
DECEMBER -2011	NR	0.10	58.5	60.0	26.6	18.1
Annual Average:	0.0029	0.17	57.0	64.5	28.9	17.2

Source:	Sodium	Calcium Hardness	Magnesium Hardness	Total Hardness	Total Dissolved Solids	Lithium
MDL:	1	.04	.1	.1	28	.002
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
JANUARY -2011	210	195	148	343	988	0.03
FEBRUARY -2011	180	168	116	284	886	0.03
MARCH -2011	178	159	116	275	950	0.02
APRIL -2011	163	160	105	265	939	0.03
MAY -2011	177	200	154	354	971	0.04
JUNE -2011	186	163	114	277	982	0.03
JULY -2011	181	151	108	259	971	0.03
AUGUST -2011	189	164	125	289	990	0.02
SEPTEMBER -2011	182	144	120	264	929	0.02
OCTOBER -2011	192	157	123	280	847	0.02
NOVEMBER -2011	177	124	86	210	902	0.02
DECEMBER -2011	183	150	109	259	897	0.02
Annual Average:	183	161	119	280	938	0.03

Source:	Cobalt	Molybdenum	Vanadium	Nitrate	Ortho Phosphat	Total Alkalinity (bicarbonate)
MDL:	.85	.89	.64	.04	.2	20
Units:	UG/L	UG/L	UG/L	MG/L	MG/L	MG/L
JANUARY -2011	NR	NR	NR	16.3	6.68	202
FEBRUARY -2011	ND	3.27	ND	18.3	5.75	178
MARCH -2011	NR	NR	NR	16.2	6.58	171
APRIL -2011	NR	NR	NR	21.7	7.30	169
MAY -2011	ND	3.53	0.76	27.4	6.79	176
JUNE -2011	NR	NR	NR	16.5	4.86	197
JULY -2011	NR	NR	NR	25.9	2.00	202
AUGUST -2011	ND	3.28	1.30	36.0	4.14	156
SEPTEMBER -2011	NR	NR	NR	27.8	4.90	156
OCTOBER -2011	ND	2.76	ND	33.2	5.78	160
NOVEMBER -2011	NR	NR	NR	32.0	6.08	141
DECEMBER -2011	NR	NR	NR	33.0	4.48	151
Annual Average:	ND	3.21	0.52	25.4	5.45	172

ND= Not Detected
NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
Reclaimed Water

Annual 2011

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
Sample ID:	MDL Units	P549375	P558071	P565017	P584760
=====					
Aluminum	47 UG/L	463	129	ND	223
Antimony	2.9 UG/L	ND	ND	3.0	ND
Arsenic	.4 UG/L	1.16	0.90	0.52	1.04
Barium	.039 UG/L	46	52	45	38
Beryllium	.022 UG/L	0.03	ND	ND	ND
Boron	7 UG/L	328	219	333	325
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	ND	ND	1.50
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	10	10	6	7
Iron	37 UG/L	64	ND	ND	43
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	33.4	24.2	13.7	14.4
Mercury	.005 UG/L	ND	ND	ND	NA
Molybdenum	.89 UG/L	3.27	3.53	3.28	2.76
Nickel	.53 UG/L	4.55	5.47	2.94	6.48
Selenium	.28 UG/L	0.63	0.60	0.36	ND
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	ND	0.76	1.30	ND
Zinc	2.5 UG/L	22	28	27	30
=====					
Bromide	.1 MG/L	0.40	0.44	0.42	0.44
Chloride	7 MG/L	238	260	246	246
Fluoride	.05 MG/L	0.54	0.67	0.70	0.71
Nitrate	.04 MG/L	14.9	24.3	38.8	32.8
Ortho Phosphate	.2 MG/L	5.7	6.7	1.1	5.9
Sulfate	9 MG/L	182	185	162	147
=====					
Calcium	.04 MG/L	67	80	66	63
Lithium	.002 MG/L	0.03	0.04	0.02	0.02
Magnesium	.1 MG/L	28	38	31	30
Potassium	.3 MG/L	17	13	18	19
Sodium	1 MG/L	180	177	189	192
=====					
Calcium Hardness	.1 MG/L	168	199	164	156
Magnesium Hardness	.4 MG/L	116	154	126	124
Total Hardness	.4 MG/L	284	354	290	280
=====					
Cyanides, Total	.002 MG/L	0.003	0.003	0.003	0.003
Sulfides-Total	.18 MG/L	0.33	ND	ND	ND
Total Kjeldahl Nitrogen	1.6 MG/L	1.9	ND	1.9	2.3
Ammonia-N	.3 MG/L	3.8	0.6	ND	ND
Adjusted Sodium Adsorption	MG/L	4.6	4.6	4.8	5.2
Percent Sodium	PERCENT	56.2	51.0	56.8	57.9
Total Organic Carbon	MG/L	11.4	9.9	11.2	9.6

ND= Not Detected
NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
QUARTERLY SLUDGE PROJECT

Radioactivity

Annual 2011

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
SB_REC_WATER_34	01-FEB-2011	P549375	2.2 ± 1.9	20.8 ± 5.2
SB_REC_WATER_34	03-MAY-2011	P558071	3.0 ± 2.0	20.5 ± 4.7
SB_REC_WATER_34	02-AUG-2011	P565017	1.7 ± 1.7	17.3 ± 4.1
SB_REC_WATER_34	04-OCT-2011	P584760	0.0 ± 4.4	19.1 ± 4.7

Units in picocuries per Liter (pCi/L)

South Bay Water Reclamation Plant
Reclaimed Water

Annual 2011

Chlorinated Pesticides

Source:			REC_WATER	REC_WATER	REC_WATER	REC_WATER
Date:			01-FEB-2011	03-MAY-2011	02-AUG-2011	06-OCT-2011
Analyte	MDL	Units	P549375	P558071	P565017	P586994
=====						
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	3	NG/L	ND	ND	ND	ND
BHC, Delta isomer	3	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	5	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	3	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	4	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	3	NG/L	ND	ND	ND	ND
Dieldrin	3	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	6	NG/L	ND	ND	ND	ND
Alpha Endosulfan	4	NG/L	ND	ND	ND	ND
Beta Endosulfan	2	NG/L	ND	ND	ND	ND
Endrin	2	NG/L	ND	ND	ND	ND
Endrin aldehyde	9	NG/L	ND	ND	ND	ND
Heptachlor	8	NG/L	ND	ND	ND	ND
Heptachlor epoxide	4	NG/L	ND	ND	ND	ND
Methoxychlor	10	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	4	NG/L	ND	ND	ND	ND
o,p-DDE	5	NG/L	ND	ND	ND	ND
o,p-DDT	3	NG/L	ND	ND	ND	ND
Oxychlordane	6	NG/L	ND	ND	ND	ND
PCB 1016	4000	NG/L	ND	ND	ND	ND
PCB 1221	4000	NG/L	ND	ND	ND	ND
PCB 1232	360	NG/L	ND	ND	ND	ND
PCB 1242	4000	NG/L	ND	ND	ND	ND
PCB 1248	2000	NG/L	ND	ND	ND	ND
PCB 1254	2000	NG/L	ND	ND	ND	ND
PCB 1260	2000	NG/L	ND	ND	ND	ND
PCB 1262	930	NG/L	ND	ND	ND	ND
p,p-DDD	3	NG/L	ND	ND	ND	ND
p,p-DDE	4	NG/L	ND	ND	ND	ND
p,p-DDT	8	NG/L	ND	ND	ND	ND
Toxaphene	330	NG/L	ND	ND	ND	ND
Trans Nonachlor	5	NG/L	ND	ND	ND	ND
=====						
Heptachlors	8	NG/L	0	0	0	0
Endosulfans	6	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	6	NG/L	0	0	0	0
DDT and derivatives	8	NG/L	0	0	0	0
Hexachlorocyclohexanes	7	NG/L	0	0	0	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

ND= Not Detected

NA= Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

South Bay Water Reclamation Plant
Reclaimed Water
OrganoPhosphorous

Annual 2011

Source:		REC_WATER	REC_WATER
Date:		03-MAY-2011	06-OCT-2011
Analyte	MDL Units	P558071	P586994
Demeton O	.15 UG/L	ND	ND
Demeton S	.08 UG/L	ND	ND
Diazinon	.03 UG/L	ND	ND
Guthion	.15 UG/L	ND	ND
Malathion	.03 UG/L	ND	ND
Parathion	.03 UG/L	ND	ND
Dichlorvos	.05 UG/L	ND	ND
Disulfoton	.02 UG/L	ND	ND
Dimethoate	.04 UG/L	ND	ND
Stirophos	.03 UG/L	ND	ND
Coumaphos	.15 UG/L	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0
Total Organophosphorus Pesticides	.15 UG/L	0.0	0.0

ND= Not Detected

South Bay Water Reclamation Plant
 Reclaimed Water
 Organotins
 Annual 2011

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		01-FEB-2011	03-MAY-2011	02-AUG-2011	06-OCT-2011
Analyte	MDL Units	P549375	P558071	P565017	P586994
=====	====	=====	=====	=====	=====
Tributyltin	2 UG/L	ND	ND	ND	ND
Dibutyltin	7 UG/L	ND	ND	ND	ND
Monobutyltin	16 UG/L	ND	ND	ND	ND

ND= Not Detected

South Bay Water Reclamation Plant
Reclaimed Water
Phenols

Annual 2011

Source:		REC_WATER	REC_WATER	REC_WATER	REC_WATER
Date:		01-FEB-2011	03-MAY-2011	02-AUG-2011	06-OCT-2011
Analyte	MDL Units	P549375	P558071	P565017	P586994
2-Chlorophenol	1.32 UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67 UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01 UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01 UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16 UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52 UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55 UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14 UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12 UG/L	ND	ND	ND	ND
Phenol	1.76 UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65 UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67 UG/L	0.00	0.00	0.00	0.00
Total Non-Chlorinated Phenols	2.16 UG/L	0.00	0.00	0.00	0.00
Total Phenols	2.16 UG/L	0.00	0.00	0.00	0.00
2-Methylphenol	2.15 UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)	UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11 UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66 UG/L	ND	ND	ND	ND

ND= not detected
NA= not analyzed

South Bay Water Reclamation Plant

Base/Neutrals

Annual 2011

Source:			REC_WATER	REC_WATER	REC_WATER	REC_WATER
Date:			01-FEB-2011	03-MAY-2011	02-AUG-2011	06-OCT-2011
Analyte	MDL	Units	P549375	P558071	P565017	P586994
=====						
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	14.1	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
=====						
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
=====						
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	14.1	0.0
=====						
Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND

ND= Not Detected

SOUTH BAY WASTEWATER TREATMENT PLANT
Annual Priority Pollutants Purgeable Compounds, EPA Method 624 Report

Annual 2011

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		01-FEB-2011	03-MAY-2011	02-AUG-2011	04-OCT-2011
Analyte	MDL Units	P549378	P558074	P565020	P584763
=====					
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
Chloromethane	.5 UG/L	ND	ND	ND	<0.5
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Acrolein	1.3 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	0.6	2.0	ND	0.5
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	1.2	2.4	4.3	21.5
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	1.4	1.7	10.9
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	0.7	0.7	12.0
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	1.3
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
=====					
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	1.3
=====					
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
=====					
Total Chloromethanes	.5 UG/L	1.8	4.4	4.3	22.0
=====					
Purgeable Compounds	1.3 UG/L	1.8	6.5	6.7	46.2
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
Acetone	4.5 UG/L	ND	ND	ND	5.1
Additional analytes determined					
=====					
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND

ND= not detected

South Bay Water Reclamation Plant
Reclaimed Water - Benzidines

Annual 2011

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		01-FEB-2011	03-MAY-2011	02-AUG-2011	06-OCT-2011
Analyte	MDL Units	P549375	P558071	P565017	P586994
=====	====	=====	=====	=====	=====
3,3-Dichlorobenzidine	2.44 UG/L	ND	ND	ND	ND
Benzidine	1.52 UG/L	ND	ND	ND	ND

ND= Not Detected

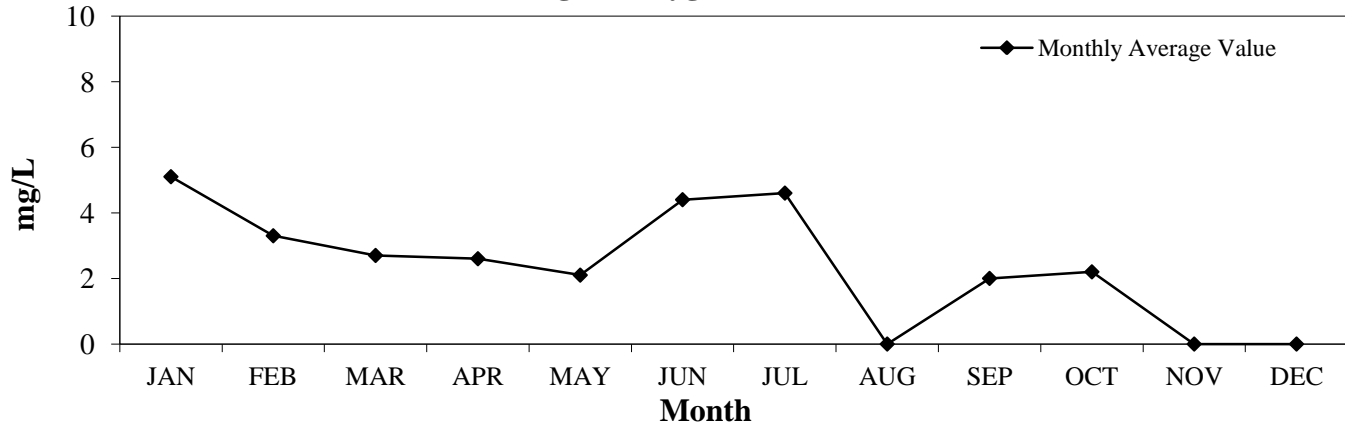
B. Reclaimed Water Graphs

Graphs of monthly averages for permit parameters with measurable concentration averages.

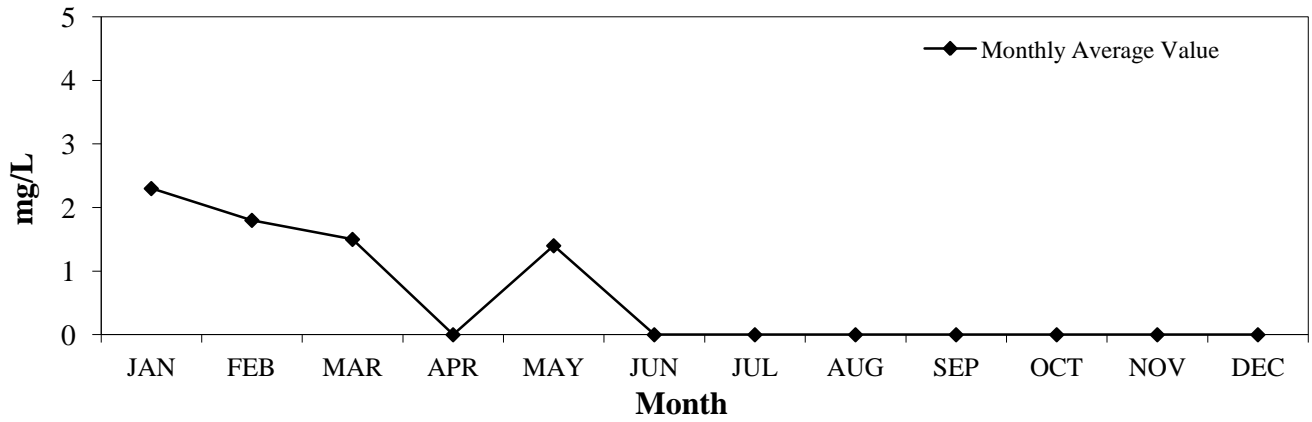
Please note that many of the graphs are on expanded scales. That is, they normally don't go to zero concentrations but show, in magnified scale, that range of concentrations where variation takes place. This makes differences and some trends obvious that might normally not be noticed. However, it also provides the temptation to interpret minor changes or trends as being of more significance than they are. Frequent reference to the scales and the actual differences in concentrations is therefore necessary.

2011 South Bay Reclaimed Water

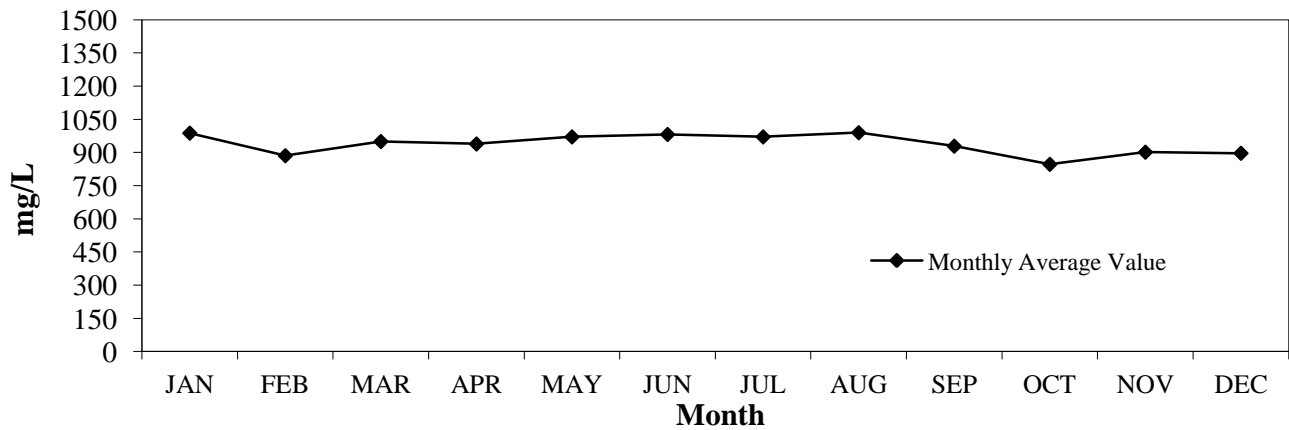
Biological Oxygen Demand



Total Suspended Solids

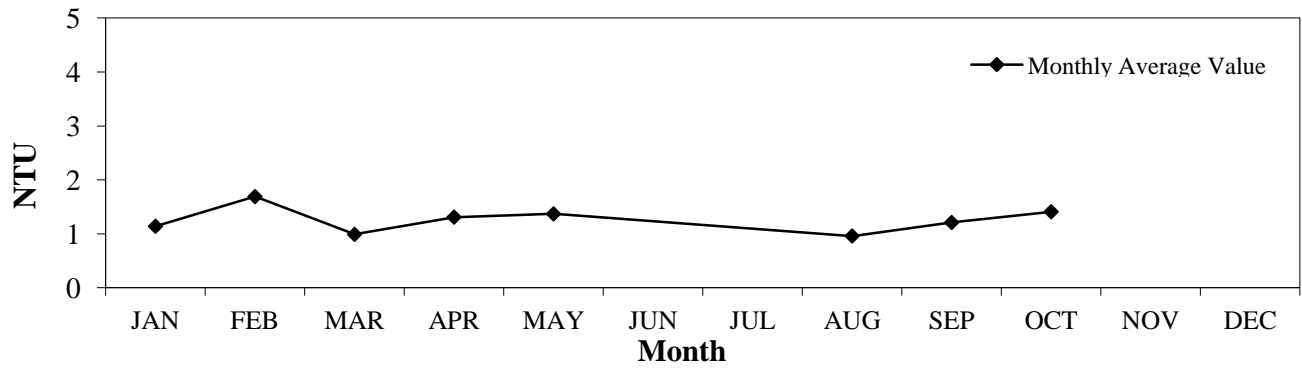


Total Dissolved Solids



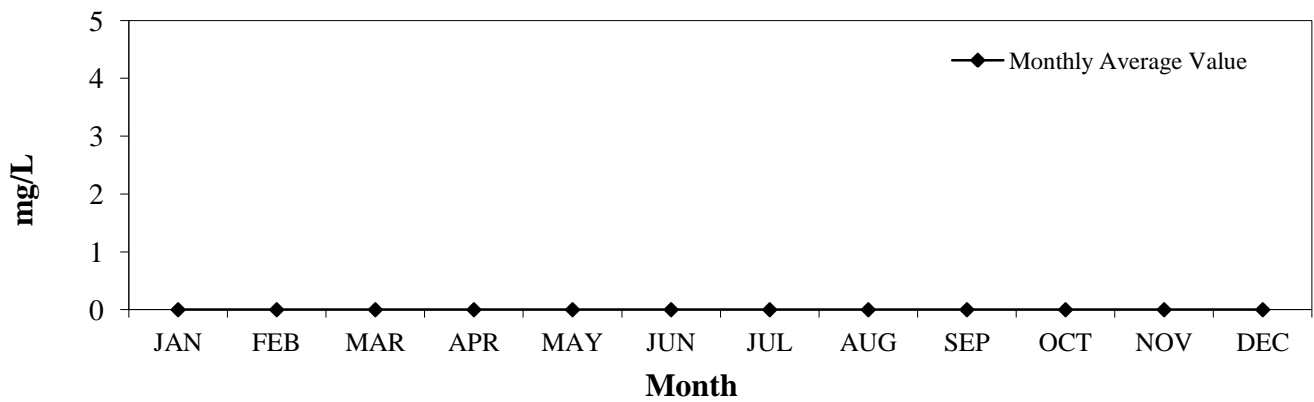
2011 South Bay Reclaimed Water

Turbidity

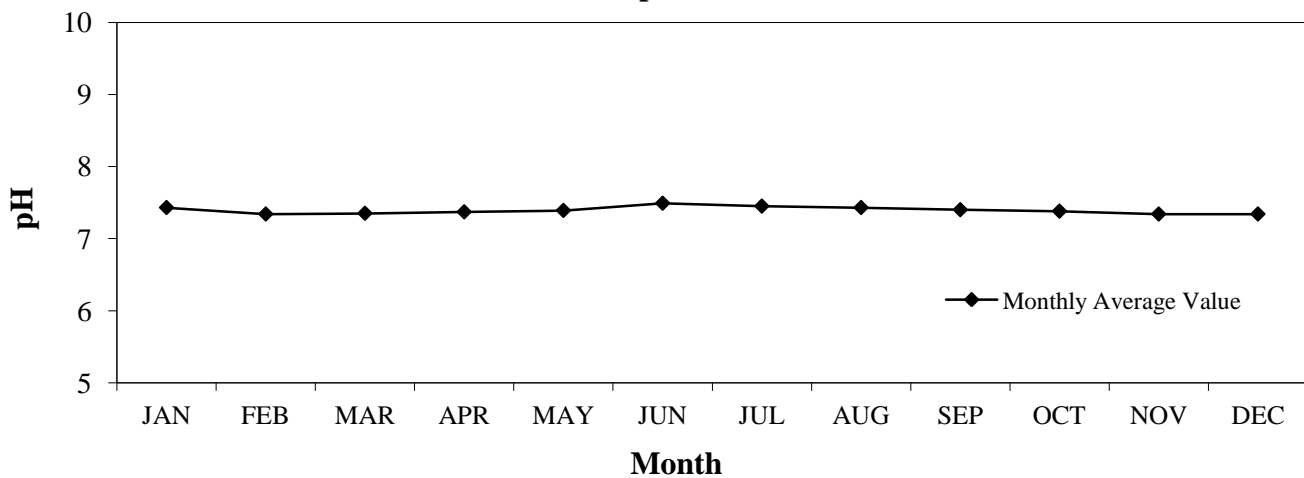


Not for reclaimed turbidity compliance, see monthly reports for compliance monitoring.

Volatile Suspended Solids

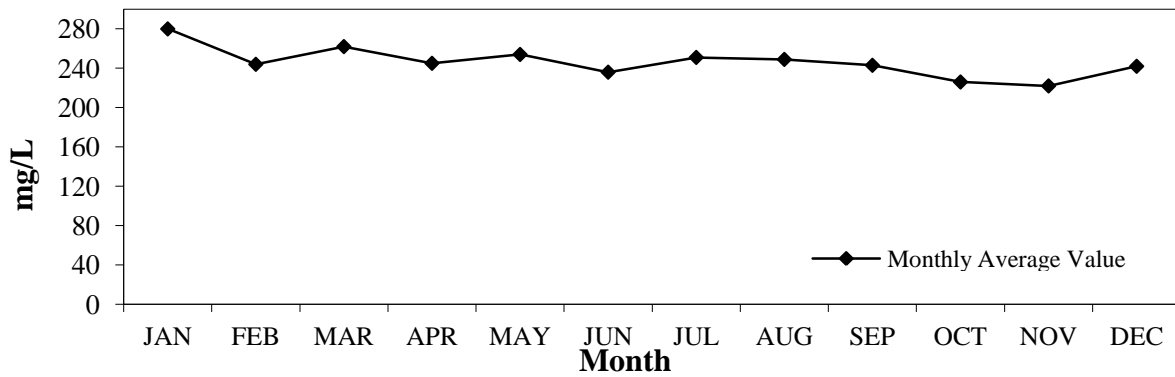


pH

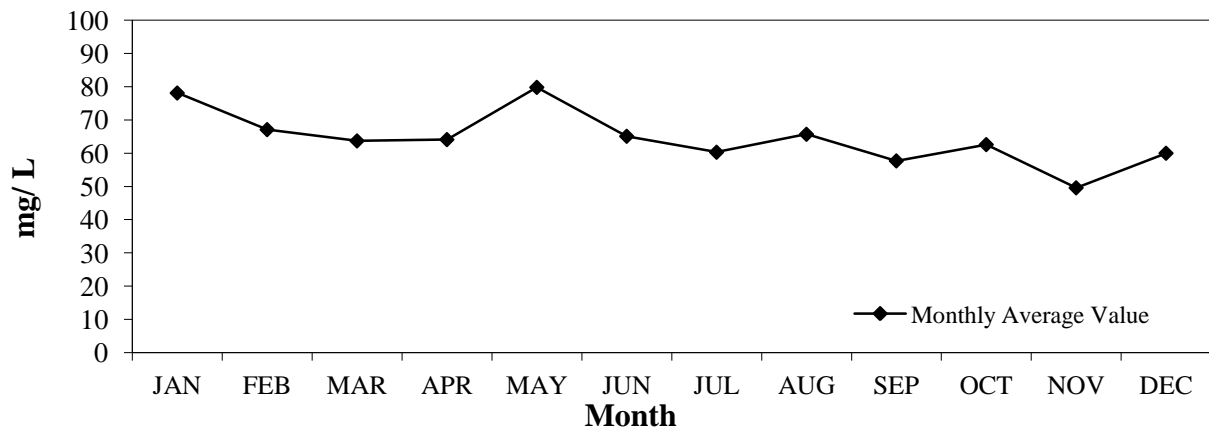


2011 South Bay Reclaimed Water

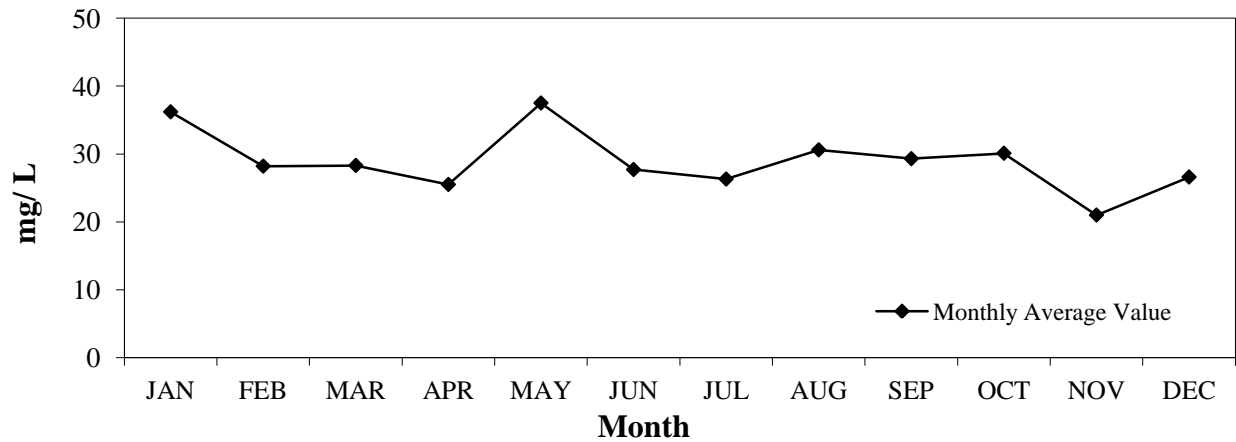
Chloride



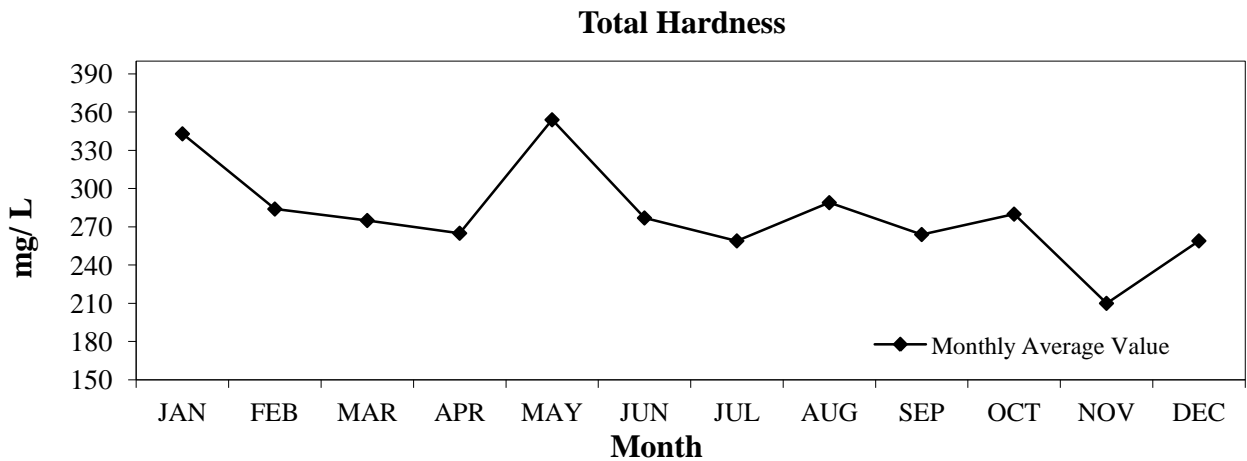
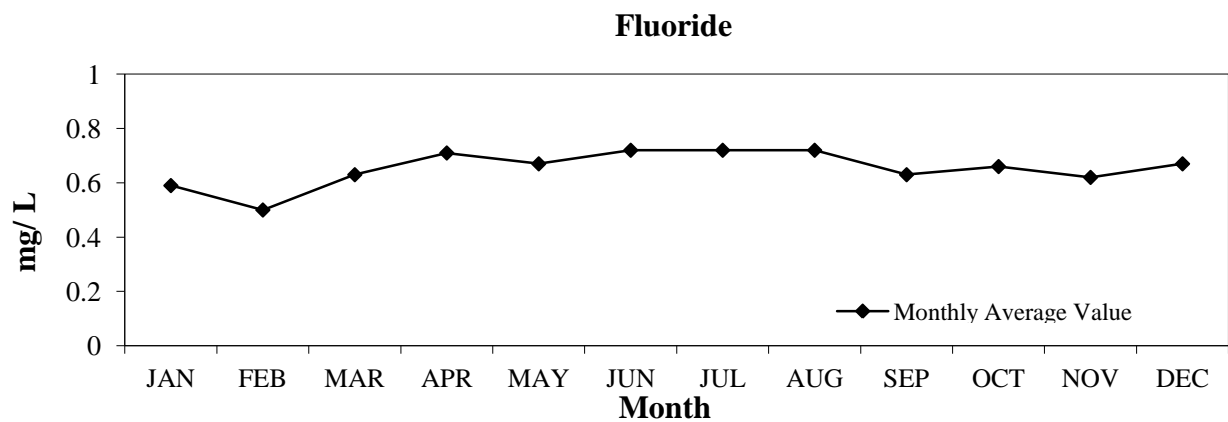
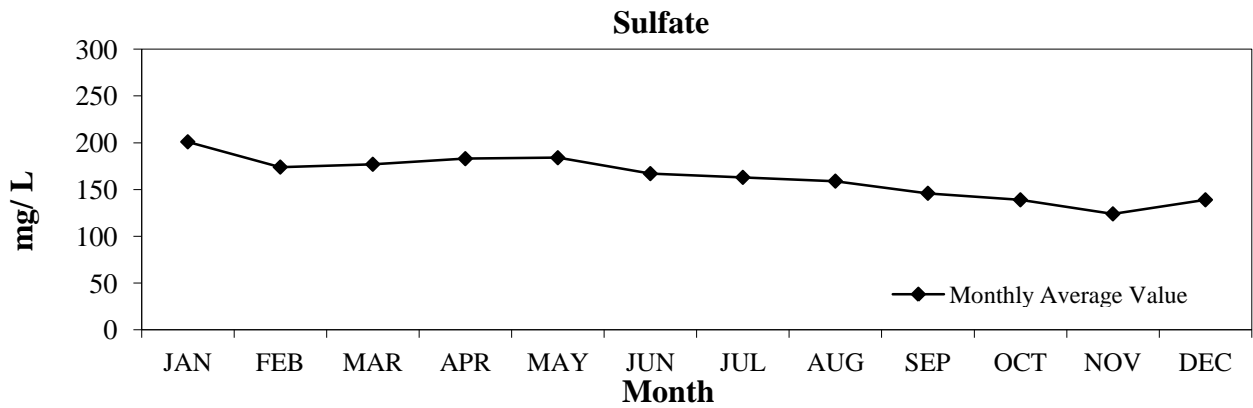
Calcium



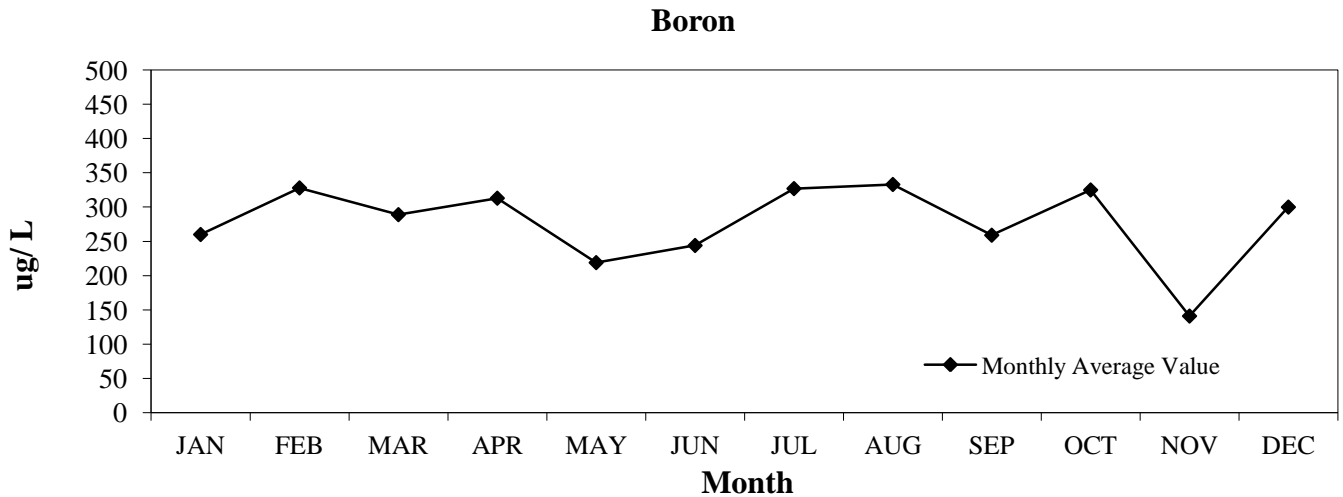
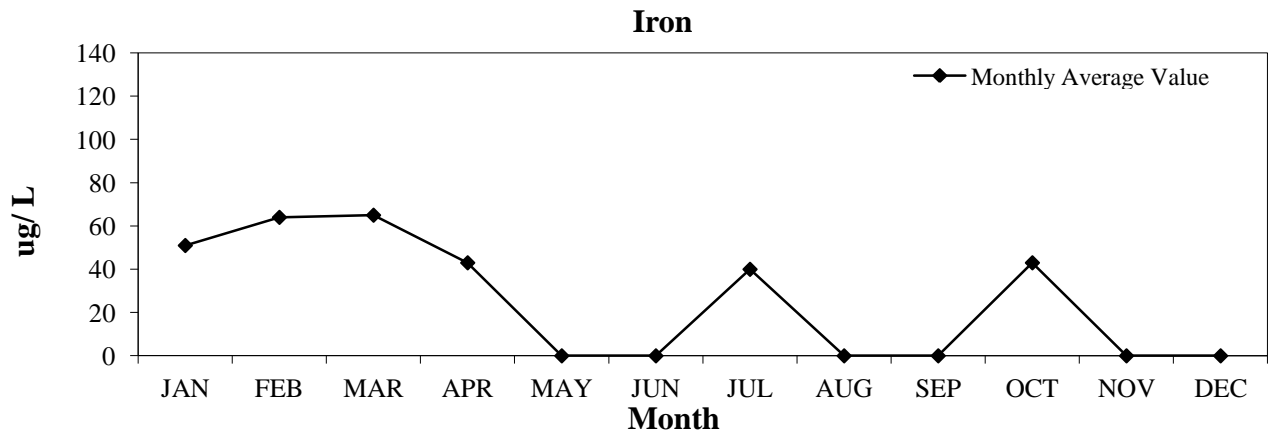
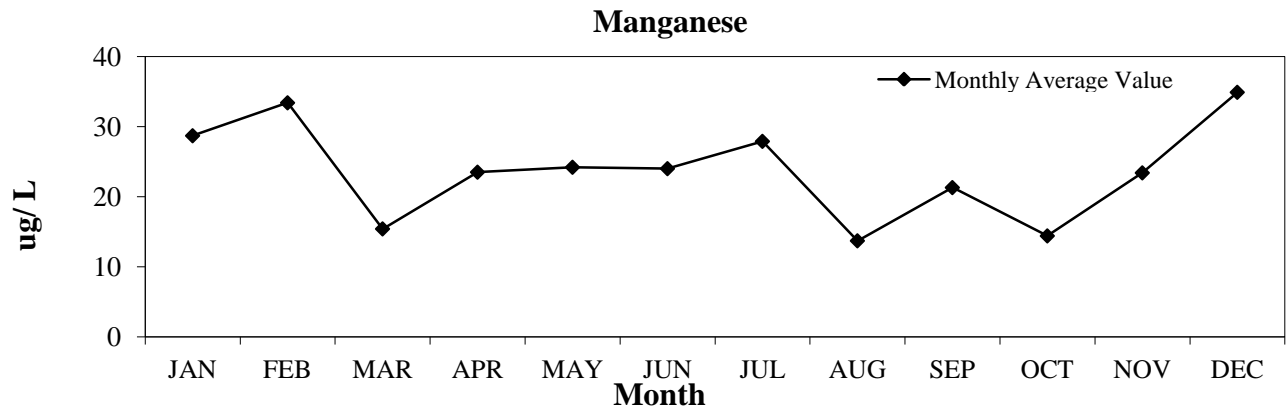
Magnesium



2011 South Bay Reclaimed Water

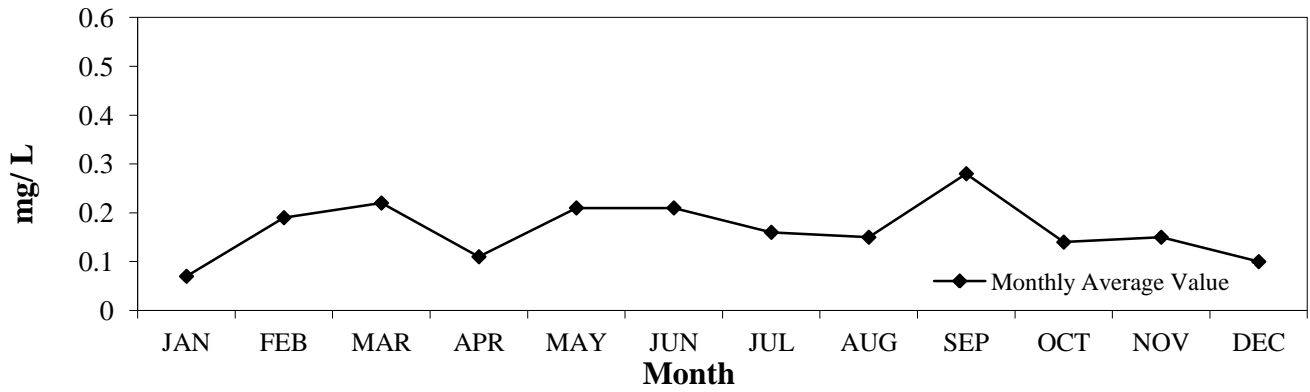


2011 South Bay Reclaimed Water

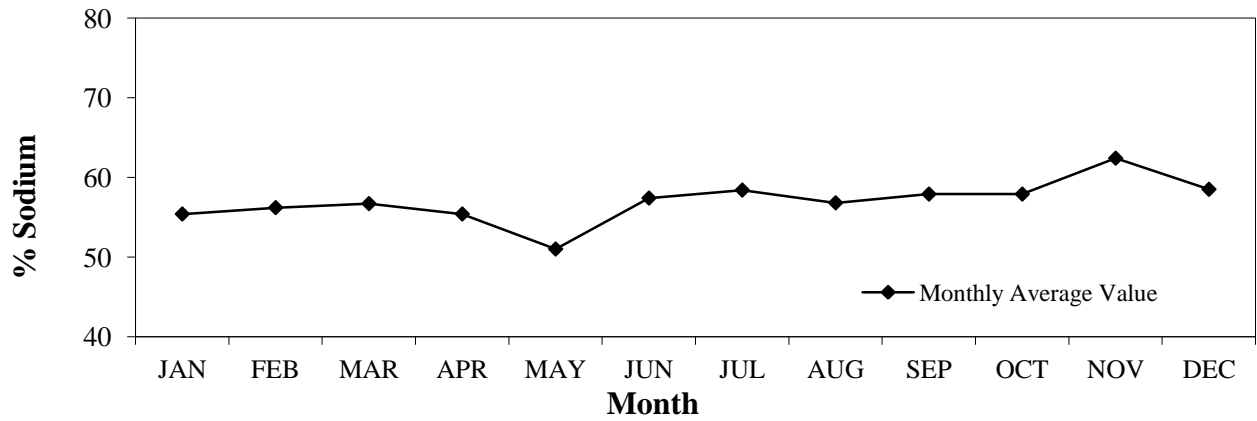


2011 South Bay Reclaimed Water

MBAS



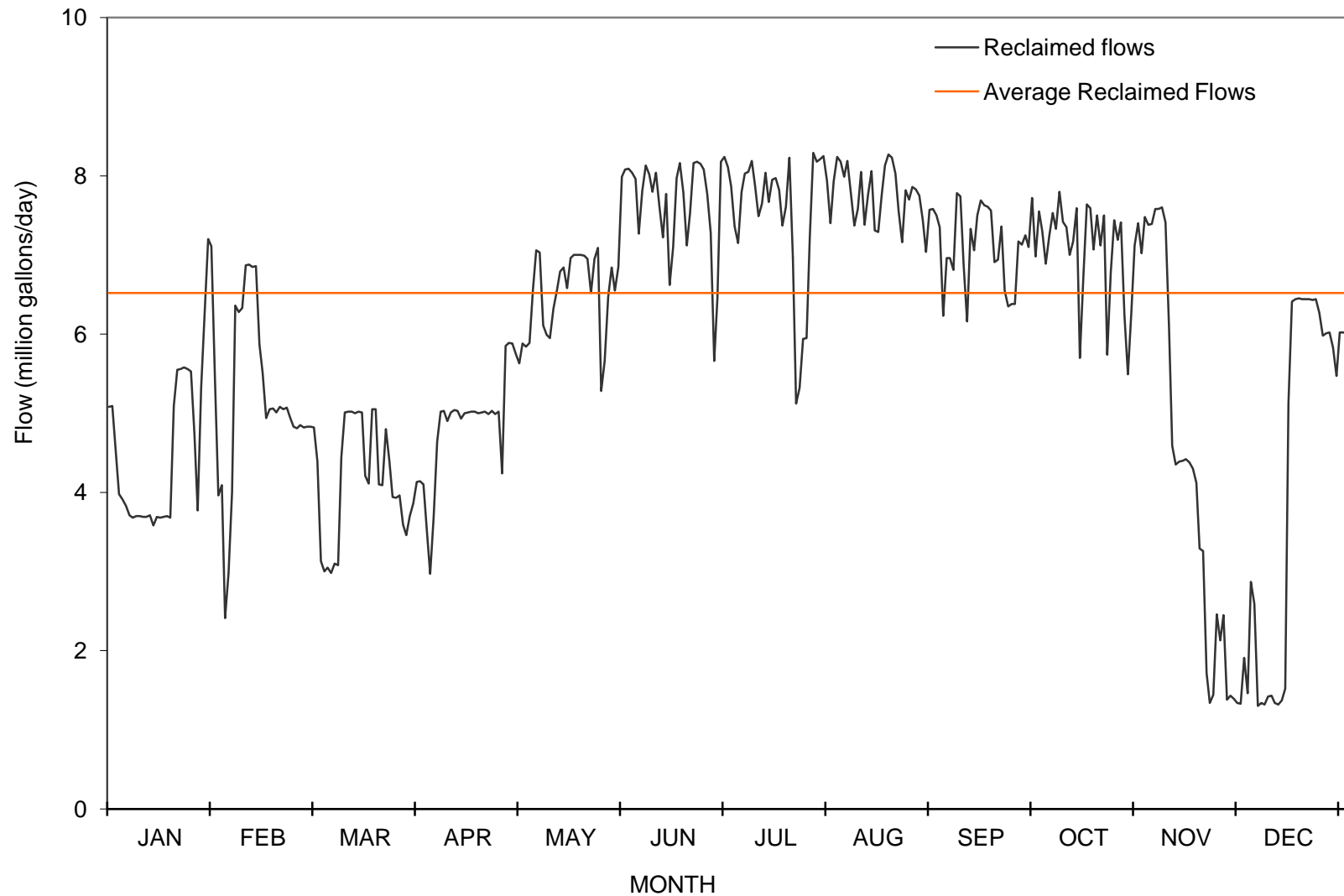
Percent Sodium



C. Daily Values of Selected Parameters.

Daily values of selected parameters (e.g. TSS, Flow, BOD, etc.) are tabulated and presented graphically; statistical summary information is provided.

South Bay Wastewater Reclamation Plant 2011 Reclaimed Water Production Flows



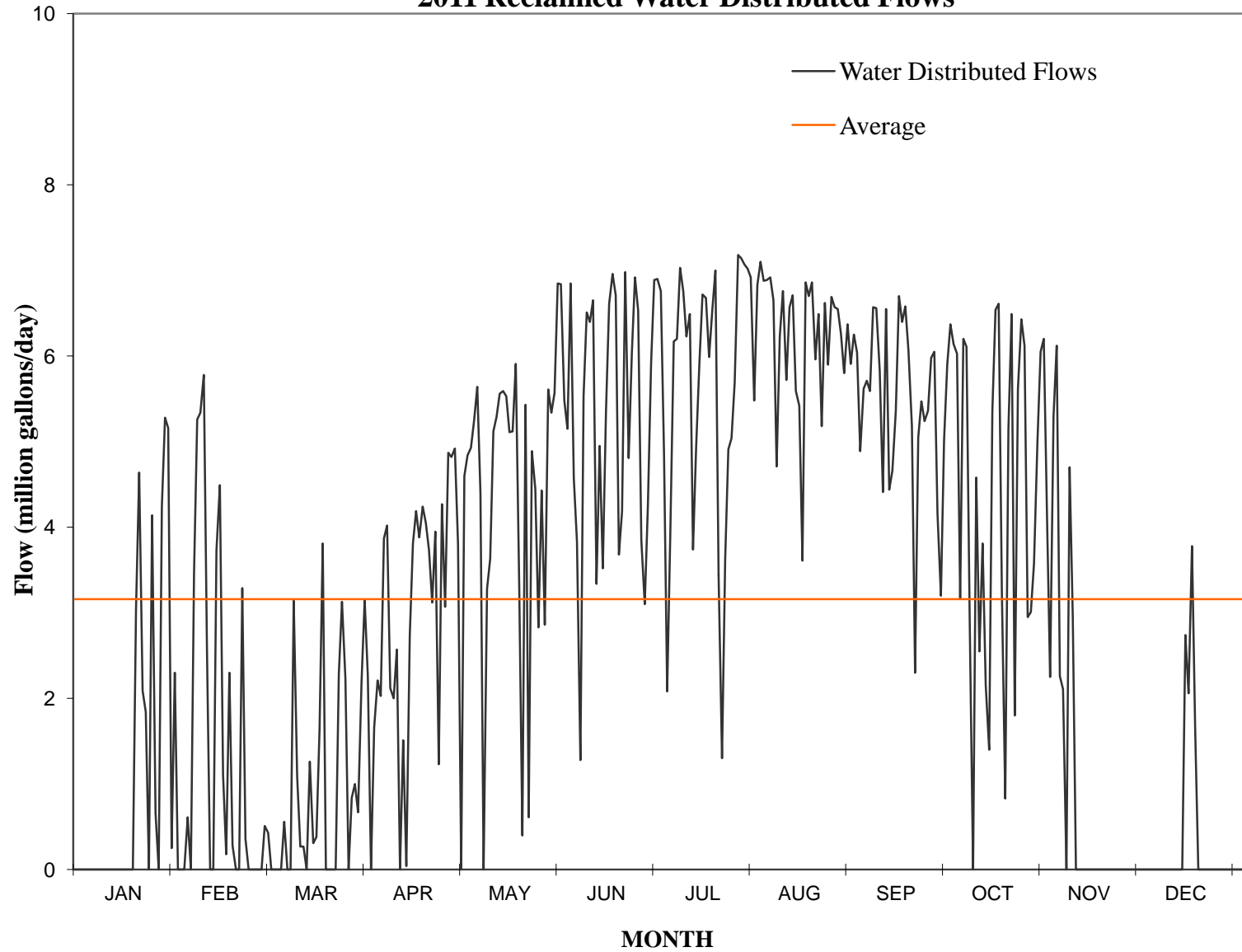
Daily Flows - Reclaimed Water Produced in 2011

Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	5.08	5.47	4.83	4.13	5.63	8.08	8.11	7.93	7.35	7.30	7.38	2.87	
2	5.09	3.96	4.82	4.14	5.88	8.09	7.87	8.24	6.23	6.89	7.39	2.59	
3	4.51	4.09	4.39	4.10	5.84	8.04	7.36	8.18	6.96	7.24	7.58	1.30	
4	3.98	2.41	3.13	3.50	5.89	7.96	7.15	7.99	6.96	7.53	7.58	1.34	
5	3.91	2.98	3.00	2.97	6.57	7.27	7.80	8.19	6.81	7.33	7.60	1.32	
6	3.83	4.00	3.05	3.69	7.06	7.81	8.03	7.78	7.78	7.80	7.41	1.42	
7	3.71	6.36	2.98	4.64	7.03	8.13	8.05	7.37	7.74	7.42	6.10	1.43	
8	3.68	6.28	3.10	5.02	6.11	8.02	8.19	7.58	6.88	7.35	4.59	1.34	
9	3.70	6.33	3.08	5.03	5.99	7.80	7.88	8.05	6.16	7.00	4.35	1.32	
10	3.70	6.87	4.44	4.90	5.95	8.04	7.49	7.38	7.33	7.17	4.39	1.37	
11	3.69	6.88	5.01	5.01	6.32	7.61	7.65	7.76	7.06	7.59	4.40	1.52	
12	3.69	6.85	5.02	5.04	6.55	7.22	8.04	8.06	7.50	5.70	4.42	5.13	
13	3.71	6.86	5.02	5.03	6.79	7.77	7.67	7.31	7.69	6.72	4.38	6.41	
14	3.58	5.87	5.00	4.93	6.84	6.62	7.95	7.29	7.63	7.64	4.30	6.44	
15	3.69	5.51	5.02	5.00	6.58	7.10	7.97	7.76	7.61	7.59	4.12	6.45	
16	3.68	4.94	5.01	5.01	6.96	7.97	7.82	8.13	7.56	7.07	3.29	6.44	
17	3.69	5.05	4.21	5.02	7.00	8.16	7.37	8.27	6.91	7.50	3.26	6.44	
18	3.70	5.06	4.11	5.02	7.00	7.79	7.61	8.23	6.94	7.12	1.72	6.44	
19	3.68	5.01	5.05	5.00	7.00	7.12	8.23	8.03	7.36	7.50	1.34	6.43	
20	5.09	5.08	5.05	5.01	6.99	7.53	6.97	7.55	6.55	5.74	1.44	6.44	
21	5.55	5.05	4.10	5.02	6.95	8.16	5.12	7.16	6.35	6.77	2.46	6.27	
22	5.56	5.07	4.09	4.99	6.52	8.18	5.32	7.82	6.38	7.44	2.13	5.98	
23	5.58	4.95	4.80	5.03	6.95	8.15	5.94	7.70	6.38	7.19	2.45	6.01	
24	5.56	4.83	4.40	4.99	7.09	8.08	5.95	7.86	7.17	7.41	1.38	6.02	
25	5.53	4.81	3.94	5.02	5.28	7.77	7.22	7.83	7.13	6.24	1.43	5.83	
26	4.73	4.85	3.93	4.24	5.66	7.28	8.29	7.75	7.25	5.49	1.39	5.47	
27	3.77	4.82	3.96	5.85	6.47	5.66	8.18	7.44	7.10	6.29	1.34	6.02	
28	5.33	4.83	3.59	5.89	6.84	6.46	8.21	7.04	7.72	7.12	1.33	6.02	
29	6.27		3.46	5.88	6.55	8.18	8.25	7.57	6.98	7.40	1.91	6.01	
30	7.20		3.70	5.75	6.85	8.24	7.94	7.58	7.55	7.02	1.46	6.03	Annual
31	7.11		3.86		7.99		7.40	7.50		7.48		5.99	Summary
Average	4.57	5.18	4.17	4.83	6.55	7.68	7.52	7.75	7.10	7.07	3.81	4.52	5.89
Minimum	3.58	2.41	2.98	2.97	5.28	5.66	5.12	7.04	6.16	5.49	1.33	1.30	1.30
Maximum	7.20	6.88	5.05	5.89	7.99	8.24	8.29	8.27	7.78	7.80	7.60	6.45	8.29
Total	142	145	129	145	203	230	233	240	213	219	114	140	2154

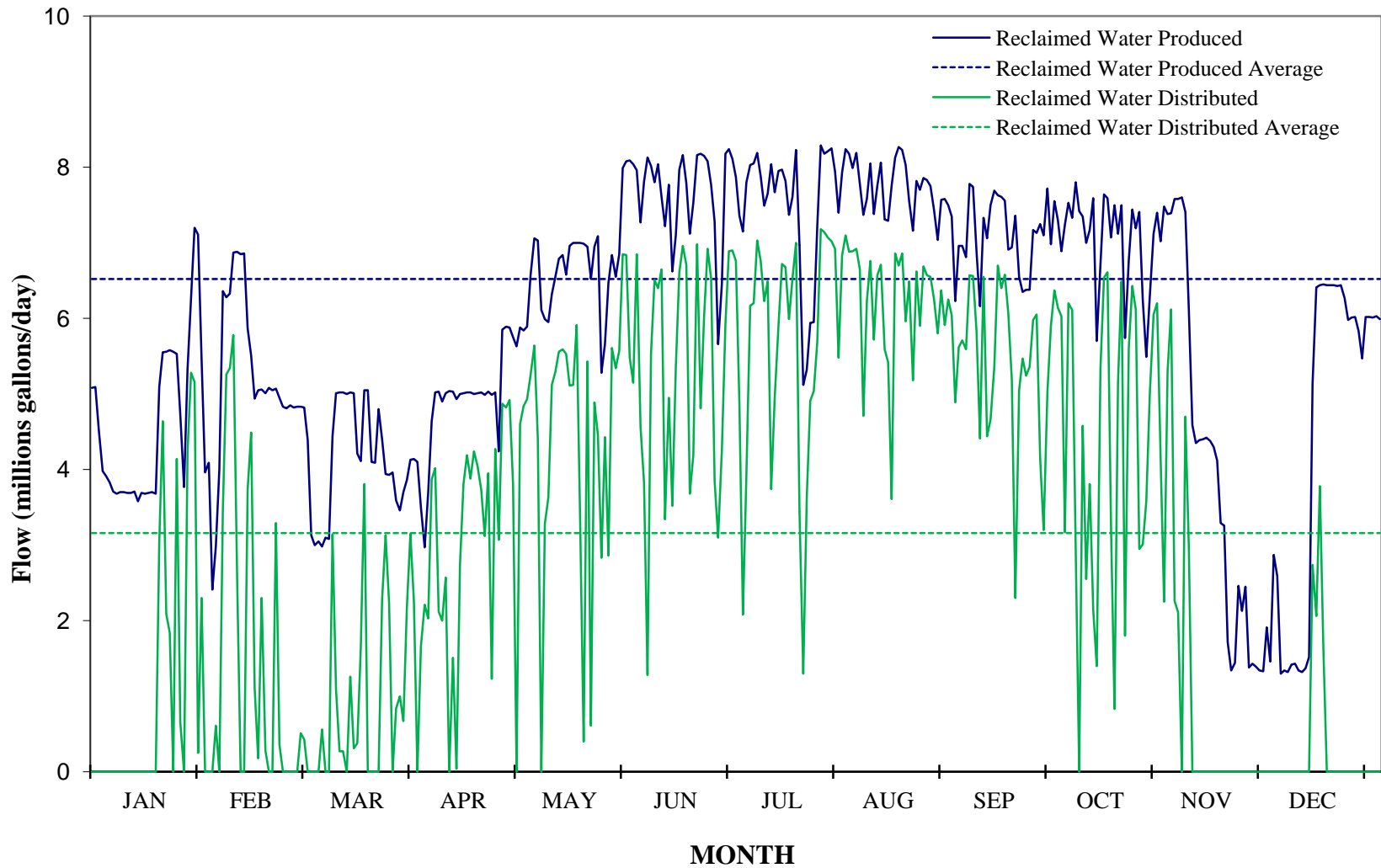
Daily Flows - Reclaimed Water Distributed in 2011

Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	0.00	2.30	0.51	3.15	0.00	6.84	6.90	6.83	6.04	6.14	5.30	0.00	
2	0.00	0.00	0.43	2.26	4.60	5.48	6.76	7.10	4.89	6.03	6.12	0.00	
3	0.00	0.00	0.00	0.00	4.84	5.15	4.87	6.88	5.62	3.17	2.26	0.00	
4	0.00	0.00	0.00	1.66	4.93	6.85	2.08	6.89	5.71	6.20	2.11	0.00	
5	0.00	0.61	0.00	2.21	5.25	4.57	3.94	6.92	5.59	6.11	0.00	0.00	
6	0.00	0.00	0.00	2.03	5.64	3.83	6.17	6.65	6.57	2.95	4.70	0.00	
7	0.00	3.46	0.56	3.87	4.40	1.28	6.20	4.71	6.56	0.00	2.95	0.00	
8	0.00	5.26	0.00	4.02	0.00	5.53	7.03	6.23	5.83	4.58	0.00	0.00	
9	0.00	5.34	0.00	2.12	3.28	6.51	6.76	6.76	4.41	2.55	0.00	0.00	
10	0.00	5.78	3.14	2.00	3.63	6.40	6.23	5.72	6.55	3.81	0.00	0.00	
11	0.00	2.58	1.09	2.57	5.12	6.65	6.49	6.57	4.44	2.15	0.00	0.00	
12	0.00	0.00	0.27	0.00	5.29	3.34	3.74	6.71	4.66	1.40	0.00	2.74	
13	0.00	0.00	0.27	1.51	5.56	4.95	4.95	5.59	5.36	5.35	0.00	2.06	
14	0.00	3.73	0.00	0.04	5.59	3.52	5.90	5.42	6.70	6.54	0.00	3.78	
15	0.00	4.49	1.26	2.73	5.53	5.35	6.72	3.61	6.40	6.61	0.00	1.65	
16	0.00	1.11	0.31	3.81	5.11	6.61	6.68	6.86	6.58	3.27	0.00	0.00	
17	0.00	0.18	0.38	4.19	5.12	6.96	5.99	6.70	6.06	0.83	0.00	0.00	
18	0.00	2.30	1.65	3.88	5.91	6.71	6.53	6.86	5.18	5.15	0.00	0.00	
19	0.00	0.28	3.81	4.24	3.31	3.68	7.00	5.96	2.30	6.49	0.00	0.00	
20	3.04	0.00	0.00	4.05	0.40	4.19	3.44	6.49	5.05	1.80	0.00	0.00	
21	4.64	0.00	0.00	3.73	5.43	6.98	1.30	5.18	5.47	5.61	0.00	0.00	
22	2.09	3.29	0.00	3.12	0.61	4.81	3.63	6.62	5.24	6.43	0.00	0.00	
23	1.84	0.36	0.00	3.95	4.89	6.03	4.91	5.90	5.36	6.12	0.00	0.00	
24	0.00	0.00	2.28	1.23	4.45	6.92	5.04	6.69	5.98	2.95	0.00	0.00	
25	4.14	0.00	3.13	4.27	2.83	6.53	5.69	6.57	6.05	3.01	0.00	0.00	
26	0.66	0.00	2.23	3.07	4.43	3.85	7.18	6.55	4.16	3.58	0.00	0.00	
27	0.00	0.00	0.00	4.87	2.86	3.10	7.14	6.26	3.20	5.00	0.00	0.00	
28	4.24	0.00	0.84	4.82	5.61	4.26	7.07	5.80	5.02	6.05	0.00	0.00	
29	5.28		1.00	4.92	5.34	5.91	7.02	6.37	5.90	6.20	0.00	0.00	
30	5.16		0.67	3.80	5.57	6.89	6.92	5.91	6.37	4.18	0.00	0.00	
31	0.25		2.18		6.85		5.48	6.25		2.25		0.00	Annual Summary
Average	1.01	1.47	0.84	2.94	4.27	5.32	5.67	6.24	5.44	4.27	0.78	0.33	3.22
Minimum	0.00	0.00	0.00	0.00	0.00	1.28	1.30	3.61	2.30	0.00	0.00	0.00	0.00
Maximum	5.28	5.78	3.81	4.92	6.85	6.98	7.18	7.10	6.70	6.61	6.12	3.78	7.18
Total	31.3	41.1	26.0	88.1	132.4	159.7	175.8	193.6	163.3	132.5	23.4	10.2	1177

South Bay Wastewater Reclamation Plant 2011 Reclaimed Water Distributed Flows

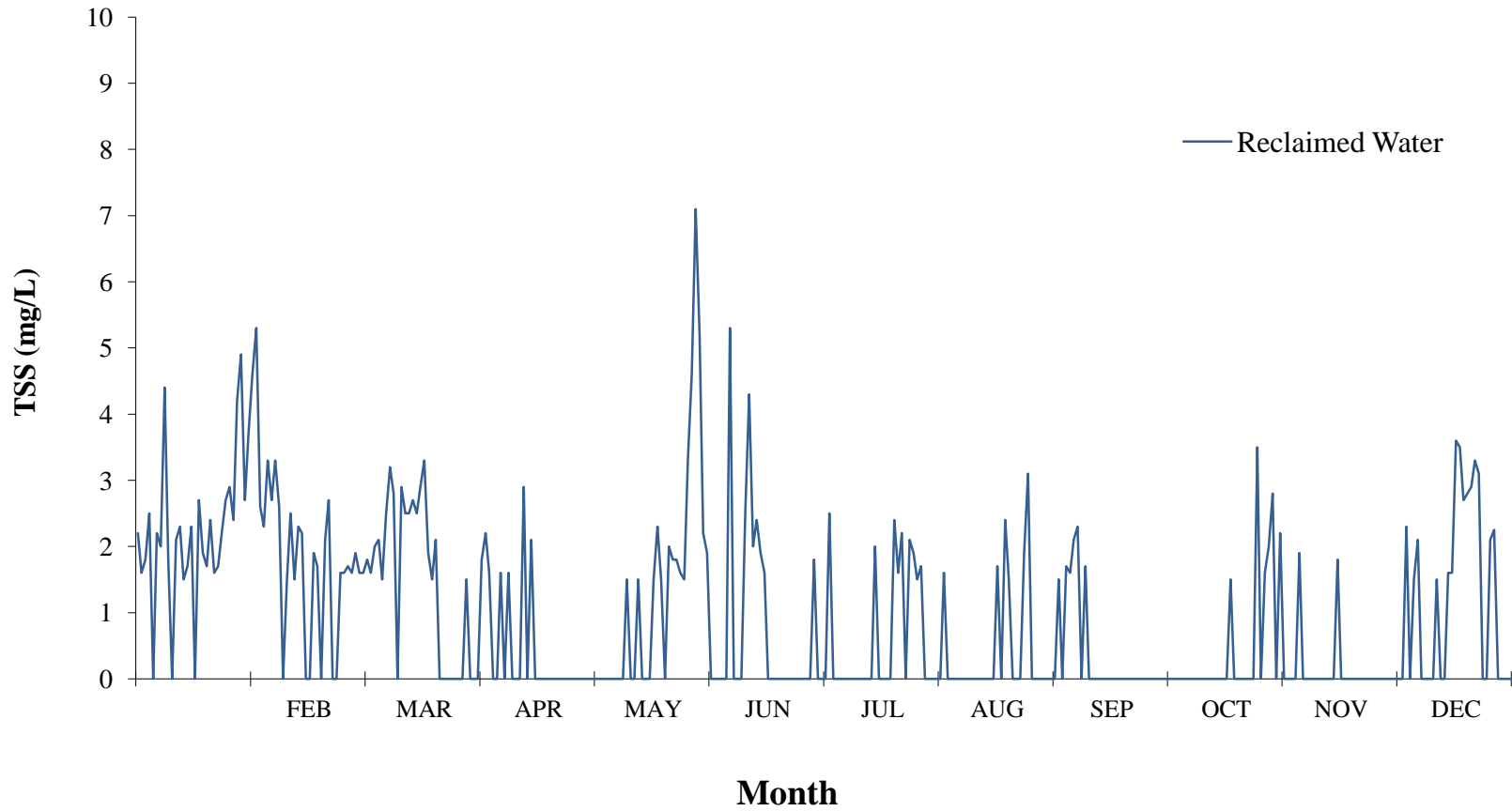


South Bay Wastewater Reclamation Plant 2011 Reclaimed Water Produced and Distributed Flows



This page left blank intentionally.

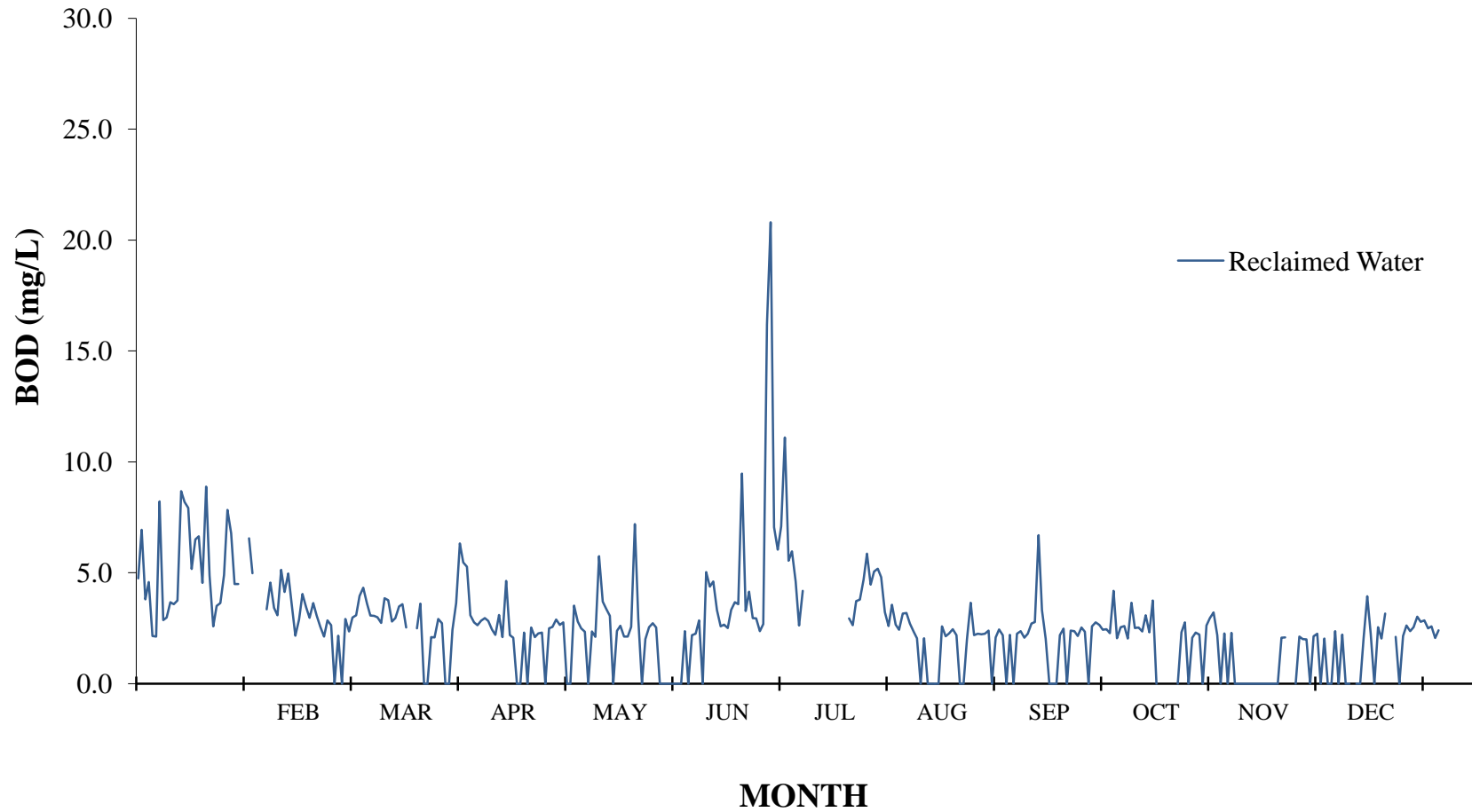
South Bay Wastewater Reclamation Plant 2011 Total Suspended Solids



Daily Reclaimed Water TSS Values in 2011

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	2.2	5.3	1.6	1.8	ND	ND	2.5	ND	1.7	ND	1.9	1.5	
2	1.6	2.6	1.8	2.2	ND	ND	ND	ND	1.6	ND	ND	2.1	
3	1.8	2.3	1.6	1.6	ND	ND	ND	ND	2.1	ND	ND	ND	
4	2.5	3.3	2.0	ND	ND	ND	ND	ND	2.3	ND	ND	ND	
5	ND	2.7	2.1	ND	ND	5.3	ND	ND	ND	ND	ND	ND	
6	2.2	3.3	1.5	1.6	ND	ND	ND	ND	1.7	ND	ND	ND	
7	2.0	2.6	2.5	ND	ND	ND	ND	ND	ND	ND	ND	1.5	
8	4.4	ND	3.2	1.6	ND	ND	ND	ND	ND	ND	ND	ND	
9	1.8	1.5	2.8	ND	1.5	2.5	ND	ND	ND	ND	ND	ND	
10	ND	2.5	ND	ND	ND	4.3	ND	ND	ND	ND	ND	1.6	
11	2.1	1.5	2.9	ND	ND	2.0	ND	ND	ND	ND	1.8	1.6	
12	2.3	2.3	2.5	2.9	1.5	2.4	ND	ND	ND	ND	ND	3.6	
13	1.5	2.2	2.5	ND	ND	1.9	2.0	ND	ND	ND	ND	3.5	
14	1.7	ND	2.7	2.1	NA	1.6	ND	1.7	ND	1.5	ND	2.7	
15	2.3	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	2.8	
16	ND	1.9	2.9	ND	1.5	ND	ND	2.4	ND	ND	ND	2.9	
17	2.7	1.7	3.3	ND	2.3	ND	ND	1.5	ND	ND	ND	3.3	
18	1.9	ND	1.9	ND	1.5	ND	2.4	ND	ND	ND	ND	3.1	
19	1.7	2.1	1.5	ND	ND	ND	1.6	ND	ND	ND	ND	ND	
20	2.4	2.7	2.1	ND	2.0	ND	2.2	ND	ND	ND	ND	ND	
21	1.6	ND	ND	ND	1.8	ND	ND	1.9	ND	3.5	ND	2.1	
22	1.7	ND	ND	ND	1.8	ND	2.1	3.1	ND	ND	ND	2.3	
23	2.2	1.6	ND	ND	1.6	ND	1.9	ND	ND	1.6	ND	ND	
24	2.7	1.6	ND	ND	1.5	ND	1.5	ND	ND	2.0	ND	ND	
25	2.9	1.7	ND	ND	3.3	ND	1.7	ND	ND	2.8	ND	ND	
26	2.4	1.6	ND	ND	4.6	ND	ND	ND	ND	ND	ND	ND	
27	4.2	1.9	ND	ND	7.1	1.8	ND	ND	ND	2.2	ND	ND	
28	4.9	1.6	1.5	ND	5.2	ND	ND	ND	ND	ND	NA	ND	
29	2.7		ND	ND	2.2	ND	ND	ND	ND	ND	2.3	1.8	
30	3.7		ND	ND	1.9	ND	ND	1.5	ND	ND	ND	ND	
31	4.6		ND		ND		1.6	ND		ND		ND	
Ave	2.28	1.80	1.46	0.46	1.33	0.73	0.63	0.39	0.31	0.44	0.20	1.17	0.93
Min	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Max	4.90	5.30	3.30	2.90	7.10	5.30	2.50	3.10	2.30	3.50	2.30	3.60	7.1

South Bay Wastewater Reclamation Plant 2011 Biochemical Oxygen Demand



Daily Reclaimed Water BOD Values 2011

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	4.75	6.55	2.36	6.33	ND	ND	11.1	2.66	ND	4.19	2.26	ND	
2	6.94	4.98	2.98	5.47	ND	ND	5.55	2.43	2.2	2.05	ND	2.37	
3	3.80		3.08	5.28	3.52	2.37	5.97	3.16	ND	2.55	2.29	ND	
4	4.58		3.96	3.09	2.81	ND	4.61	3.19	2.25	2.6	ND	2.21	
5	2.15		4.33	2.76	2.5	2.19	2.62	2.71	2.37	2.03	ND	ND	
6	2.12	3.36	3.62	2.64	2.34	2.25	4.19	2.36	2.07	3.65	ND	ND	
7	8.22	4.56	3.07	2.84	ND	2.86		2.05	2.25	2.51	ND		
8	2.87	3.42	3.06	2.96	2.35	ND		ND	2.72	2.54	ND	ND	
9	2.98	3.08	3.00	2.83	2.11	5.03		2.05	2.78	2.35	ND	ND	
10	3.67	5.14	2.74	2.44	5.75	4.38		ND	6.7	3.09	ND	2.04	
11	3.59	4.14	3.85	2.20	3.7	4.61		ND	3.31	2.32	ND	3.94	
12	3.75	4.97	3.77	3.10	3.38	3.31		ND	2.04	3.75	ND	2.26	
13	8.68	3.60	2.80	2.10	3.06	2.58		ND	ND	ND	ND	ND	
14	8.20	2.17	2.96	4.63	NA	2.66		2.58	ND		ND	2.55	
15	7.93	2.90	3.48	2.19	2.38	2.51		2.14	ND		ND	2.04	
16	5.17	4.05	3.58	2.08	2.61	3.33		2.27	2.19		ND	3.16	
17	6.51	3.45	2.54	ND	2.12	3.67		2.46	2.49		2.07		
18	6.64	2.97		ND	2.13	3.58		2.19	ND		2.09		
19	4.55	3.64		2.30	2.56	9.47	2.95	ND	2.39	ND		2.11	
20	8.88	3.07	2.50	ND	7.19	3.28	2.64	ND	2.37	2.32		ND	
21	4.88	2.56	3.61	2.54	2.94	4.15	3.73	2.01	2.15	2.77	ND	2.15	
22	2.58	2.12	ND	2.10	ND	2.96	3.79	3.65	2.53	ND	2.12	2.63	
23	3.51	2.86	ND	2.26	2.01	2.94	4.68	2.19	2.34	2.08	2.01	2.37	
24	3.63	2.64	2.10	2.31	2.55	2.37	5.86	2.25	ND	2.3	2	2.55	
25	4.90	ND	2.09	ND	2.73	2.69	4.47	2.23	2.58	2.22	ND	3.02	
26	7.84	2.17	2.92	2.50	2.53	16.2	5.06	2.25	2.77	ND	2.14	2.79	
27	6.78	ND	2.73	2.56	ND	20.8	5.19	2.39	2.65	2.62	2.25	2.85	
28	4.49	2.92	ND	2.90	ND	7.05	4.8	ND	2.43	2.96	ND	2.5	
29	4.49		ND	2.65	ND	6.04	3.23	2.09	2.46	3.22	2.03	2.59	
30			2.43	2.77	ND	7.09	2.6	2.45	2.28	2.19	ND	2.06	
31			3.63		ND		3.56	2.19		ND		2.41	Annual Summary
Ave	5.14	3.25	2.66	2.59	2.04	4.35	4.56	1.80	2.01	2.17	0.76	1.81	2.76
Min	2.12	ND	ND	ND	ND	ND	2.60	ND	ND	ND	ND	ND	ND
Max	8.88	6.55	4.33	6.33	7.19	20.8	11.10	3.65	6.70	4.2	2.29	3.9	20.8

D. Total Coliform Data Summaries

2011 Annual South Bay Water Reclamation Plant Total Coliform Report

2011 SBWRP Total Coliforms (MPN/ 100 ml)

Sample Date	SAMPLE			FIELD DUPLICATE			Sample Date	SAMPLE			FIELD DUPLICATE		
	Total Coliforms	7-Day Median	30-Day Average	Total Coliforms	7-Day Median	30-Day Average		Total Coliforms	7-Day Median	30-Day Average	Total Coliforms	7-Day Median	30-Day Average
1-Jan-11	<1.8	<1.8	18.1	4.5	<1.8	19.6	1-Mar-11	11	<1.8	2.1	7.8	<1.8	3.3
2-Jan-11	17	<1.8	18.6	4.5	4.5	19.0	2-Mar-11	1.8	<1.8	1.9	<1.8	<1.8	2.6
3-Jan-11	23	<1.8	19.3	7.8	4.5	19.3	3-Mar-11	NA	<1.8	1.9	NA	<1.8	2.6
4-Jan-11	4.5	<1.8	19.5	4.5	4.5	19.4	4-Mar-11	NA	<1.8	1.9	NA	<1.8	2.6
5-Jan-11	<1.8	<1.8	19.5	<1.8	4.5	19.4	5-Mar-11	NA	<1.8	1.9	NA	<1.8	2.6
6-Jan-11	<1.8	<1.8	18.7	<1.8	4.5	19.3	6-Mar-11	NA	<1.8	1.9	NA	<1.8	2.6
7-Jan-11	<1.8	<1.8	18.7	<1.8	4.5	19.3	7-Mar-11	920	<1.8	32.1	240	<1.8	10.3
8-Jan-11	7.8	4.5	18.9	4.5	4.5	19.4	8-Mar-11	<1.8	<1.8	31.4	<1.8	<1.8	8.7
9-Jan-11	2	2.0	19.0	6.8	4.5	19.7	9-Mar-11	<1.8	<1.8	31.4	<1.8	<1.8	8.7
10-Jan-11	13	2.0	19.4	11	4.5	20.0	10-Mar-11	<1.8	<1.8	31.4	<1.8	<1.8	8.7
11-Jan-11	2	2.0	19.5	2	2.0	20.1	11-Mar-11	19	1.8	32.0	540	<1.8	26.7
12-Jan-11	7.8	2.0	19.8	13	4.5	20.5	12-Mar-11	26	1.8	32.9	13	<1.8	27.1
13-Jan-11	2	2.0	19.6	2	4.5	20.4	13-Mar-11	33	19.0	34.0	6.8	6.8	27.3
14-Jan-11	4	4.0	19.3	11	6.8	19.7	14-Mar-11	2	2.0	34.0	4.5	4.5	27.5
15-Jan-11	<1.8	2.0	17.8	<1.8	6.8	19.0	15-Mar-11	<1.8	2.0	34.0	<1.8	4.5	27.5
16-Jan-11	<1.8	2.0	15.1	<1.8	2.0	15.3	16-Mar-11	<1.8	2.0	34.0	<1.8	4.5	27.5
17-Jan-11	<1.8	2.0	15.0	<1.8	2.0	15.2	17-Mar-11	2	2.0	34.1	<1.8	4.5	27.4
18-Jan-11	17	2.0	15.4	23	2.0	15.9	18-Mar-11	<1.8	2.0	34.1	2	2.0	27.4
19-Jan-11	1.8	1.8	15.5	2	2.0	15.9	19-Mar-11	7.8	2.0	34.4	4.5	2.0	27.4
20-Jan-11	2	1.8	3.9	1.8	1.8	4.3	20-Mar-11	2	2.0	34.4	<1.8	<1.8	27.4
21-Jan-11	7.8	1.8	3.9	23	1.8	4.9	21-Mar-11	<1.8	<1.8	34.3	<1.8	<1.8	27.4
22-Jan-11	13	2.0	4.2	7.8	2.0	5.0	22-Mar-11	<1.8	<1.8	34.2	<1.8	<1.8	27.4
23-Jan-11	23	7.8	4.9	49	7.8	6.5	23-Mar-11	<1.8	<1.8	34.2	<1.8	<1.8	27.4
24-Jan-11	<1.8	7.8	4.9	<1.8	7.8	6.5	24-Mar-11	4	<1.8	34.3	2	<1.8	27.4
25-Jan-11	<1.8	2.0	4.9	<1.8	2.0	6.5	25-Mar-11	<1.8	<1.8	34.3	2	<1.8	27.5
26-Jan-11	<1.8	2.0	4.9	<1.8	1.8	6.5	26-Mar-11	2	<1.8	34.4	<1.8	<1.8	27.4
27-Jan-11	<1.8	<1.8	4.9	<1.8	<1.8	6.5	27-Mar-11	1.8	<1.8	34.4	7.8	<1.8	27.7
28-Jan-11	<1.8	<1.8	4.9	<1.8	<1.8	6.1	28-Mar-11	<1.8	<1.8	34.4	<1.8	<1.8	27.7
29-Jan-11	<1.8	<1.8	4.9	<1.8	<1.8	6.1	29-Mar-11	<1.8	<1.8	34.4	<1.8	<1.8	27.7
30-Jan-11	<1.8	<1.8	4.9	<1.8	<1.8	5.9	30-Mar-11	<1.8	<1.8	34.4	<1.8	<1.8	27.7
31-Jan-11	<1.8	<1.8	4.9	<1.8	<1.8	5.8	31-Mar-11	<1.8	<1.8	34.4	<1.8	<1.8	27.7
1-Feb-11	<1.8	<1.8	4.4	4	<1.8	5.8	1-Apr-11	<1.8	<1.8	34.4	<1.8	<1.8	27.7
2-Feb-11	<1.8	<1.8	3.6	<1.8	<1.8	5.5	2-Apr-11	2	<1.8	34.5	<1.8	<1.8	27.7
3-Feb-11	NA	<1.8	3.6	NA	<1.8	5.5	3-Apr-11	33	<1.8	35.6	2	<1.8	27.7
4-Feb-11	NA	<1.8	3.6	NA	<1.8	5.5	4-Apr-11	<1.8	<1.8	35.2	<1.8	<1.8	27.5
5-Feb-11	NA	<1.8	3.6	NA	<1.8	5.5	5-Apr-11	<1.8	<1.8	35.2	<1.8	<1.8	27.5
6-Feb-11	NA	<1.8	3.6	NA	<1.8	5.5	6-Apr-11	1.8	<1.8	4.5	6.1	<1.8	19.7
7-Feb-11	<1.8	<1.8	3.4	4.5	<1.8	5.5	7-Apr-11	4.5	1.8	4.7	<1.8	<1.8	19.7
8-Feb-11	2	<1.8	3.5	<1.8	<1.8	5.5	8-Apr-11	<1.8	1.8	4.7	<1.8	<1.8	19.7
9-Feb-11	2	<1.8	3.6	<1.8	<1.8	5.5	9-Apr-11	6.8	1.8	4.9	2	<1.8	19.8
10-Feb-11	4	<1.8	3.7	2	<1.8	5.6	10-Apr-11	<1.8	<1.8	4.3	<1.8	<1.8	1.8
11-Feb-11	<1.8	<1.8	3.4	<1.8	<1.8	5.4	11-Apr-11	<1.8	<1.8	3.4	<1.8	<1.8	1.3
12-Feb-11	<1.8	<1.8	3.4	<1.8	<1.8	5.2	12-Apr-11	<1.8	<1.8	2.3	<1.8	<1.8	1.1
13-Feb-11	<1.8	<1.8	2.9	<1.8	<1.8	4.8	13-Apr-11	<1.8	<1.8	2.3	<1.8	<1.8	0.9
14-Feb-11	<1.8	<1.8	2.9	2	<1.8	4.8	14-Apr-11	49	<1.8	3.9	11	<1.8	1.3
15-Feb-11	<1.8	<1.8	2.6	<1.8	<1.8	4.4	15-Apr-11	2	<1.8	4.0	2	<1.8	1.4
16-Feb-11	<1.8	<1.8	2.6	<1.8	<1.8	4.3	16-Apr-11	<1.8	<1.8	3.9	<1.8	<1.8	1.4
17-Feb-11	<1.8	<1.8	2.4	<1.8	<1.8	4.0	17-Apr-11	<1.8	<1.8	3.9	<1.8	<1.8	1.3
18-Feb-11	<1.8	<1.8	2.4	<1.8	<1.8	4.0	18-Apr-11	2	<1.8	3.7	2	<1.8	1.2
19-Feb-11	<1.8	<1.8	2.4	<1.8	<1.8	4.0	19-Apr-11	4.5	2.0	3.8	<1.8	<1.8	1.2
20-Feb-11	NA	<1.8	2.4	NA	<1.8	4.0	20-Apr-11	<1.8	2.0	3.8	<1.8	<1.8	1.2
21-Feb-11	NA	<1.8	2.4	NA	<1.8	4.0	21-Apr-11	<1.8	<1.8	3.8	<1.8	<1.8	1.2
22-Feb-11	<1.8	<1.8	2.4	<1.8	<1.8	4.0	22-Apr-11	<1.8	<1.8	3.8	<1.8	<1.8	1.2
23-Feb-11	<1.8	<1.8	1.9	<1.8	<1.8	3.2	23-Apr-11	4.5	<1.8	3.8	2	<1.8	1.2
24-Feb-11	<1.8	<1.8	1.8	<1.8	<1.8	3.1	24-Apr-11	<1.8	<1.8	3.8	<1.8	<1.8	1.2
25-Feb-11	NA	<1.8	1.8	NA	<1.8	3.1	25-Apr-11	<1.8	<1.8	3.7	<1.8	<1.8	1.2
26-Feb-11	NA	<1.8	1.8	NA	<1.8	3.1	26-Apr-11	<1.8	<1.8	3.7	<1.8	<1.8	0.9
27-Feb-11	NA	<1.8	1.8	NA	<1.8	3.1	27-Apr-11	<1.8	<1.8	3.7	<1.8	<1.8	0.9
28-Feb-11	NA	<1.8	1.8	NA	<1.8	3.1	28-Apr-11	<1.8	<1.8	3.7	<1.8	<1.8	0.9
							29-Apr-11	<1.8	<1.8	3.7	<1.8	<1.8	0.9
							30-Apr-11	<1.8	<1.8	3.7	<1.8	<1.8	0.9

NA= not analyzed

**2011 Annual South Bay Water Reclamation Plant
Total Coliform Report**

2011 SBWRP Total Coliforms (MPN/ 100 ml)

Sample Date	SAMPLE			FIELD DUPLICATE			Sample Date	SAMPLE			FIELD DUPLICATE		
	Total Coliforms	7-Day Median	30-Day Average	Total Coliforms	7-Day Median	30-Day Average		Total Coliforms	7-Day Median	30-Day Average	Total Coliforms	7-Day Median	30-Day Average
1-May-11	<1.8	<1.8	3.7	<1.8	<1.8	0.9	1-Jul-11	2	<1.8	0.1	2	<1.8	0.3
2-May-11	<1.8	<1.8	3.6	<1.8	<1.8	0.9	2-Jul-11	2	<1.8	0.2	<1.8	<1.8	0.3
3-May-11	<1.8	<1.8	2.5	<1.8	<1.8	0.8	3-Jul-11	2	<1.8	0.3	<1.8	<1.8	0.3
4-May-11	<1.8	<1.8	2.5	<1.8	<1.8	0.8	4-Jul-11	<1.8	<1.8	0.3	<1.8	<1.8	0.3
5-May-11	11	<1.8	2.9	<1.8	<1.8	0.8	5-Jul-11	<1.8	<1.8	0.3	<1.8	<1.8	0.3
6-May-11	<1.8	<1.8	2.8	<1.8	<1.8	0.6	6-Jul-11	<1.8	<1.8	0.3	<1.8	<1.8	0.3
7-May-11	21	<1.8	3.4	<1.8	<1.8	0.6	7-Jul-11	<1.8	<1.8	0.3	<1.8	<1.8	0.3
8-May-11	<1.8	<1.8	3.4	<1.8	<1.8	0.6	8-Jul-11	13	<1.8	0.7	4.5	<1.8	0.4
9-May-11	2	<1.8	3.2	2	<1.8	0.6	9-Jul-11	4.5	<1.8	0.9	<1.8	<1.8	0.4
10-May-11	<1.8	<1.8	3.2	<1.8	<1.8	0.6	10-Jul-11	<1.8	<1.8	0.9	<1.8	<1.8	0.4
11-May-11	<1.8	<1.8	3.2	<1.8	<1.8	0.6	11-Jul-11	<1.8	<1.8	0.9	<1.8	<1.8	0.4
12-May-11	<1.8	<1.8	3.2	<1.8	<1.8	0.6	12-Jul-11	2	<1.8	0.9	4.5	<1.8	0.4
13-May-11	<1.8	<1.8	3.2	<1.8	<1.8	0.6	13-Jul-11	<1.8	<1.8	0.9	2	<1.8	0.5
14-May-11	<1.8	<1.8	1.6	<1.8	<1.8	0.3	14-Jul-11	<1.8	<1.8	0.9	<1.8	<1.8	0.5
15-May-11	4.5	<1.8	1.7	<1.8	<1.8	0.2	15-Jul-11	13	<1.8	1.4	4.5	<1.8	0.7
16-May-11	<1.8	<1.8	1.7	<1.8	<1.8	0.2	16-Jul-11	<1.8	<1.8	1.4	<1.8	<1.8	0.7
17-May-11	<1.8	<1.8	1.7	<1.8	<1.8	0.2	17-Jul-11	<1.8	<1.8	1.4	<1.8	<1.8	0.7
18-May-11	<1.8	<1.8	1.6	<1.8	<1.8	0.1	18-Jul-11	<1.8	<1.8	1.4	<1.8	<1.8	0.7
19-May-11	<1.8	<1.8	1.4	<1.8	<1.8	0.1	19-Jul-11	<1.8	<1.8	1.4	2	<1.8	0.7
20-May-11	<1.8	<1.8	1.4	<1.8	<1.8	0.1	20-Jul-11	<1.8	<1.8	1.4	<1.8	<1.8	0.7
21-May-11	<1.8	<1.8	1.4	<1.8	<1.8	0.1	21-Jul-11	<1.8	<1.8	1.4	4	<1.8	0.9
22-May-11	<1.8	<1.8	1.4	2	<1.8	0.2	22-Jul-11	<1.8	<1.8	1.4	<1.8	<1.8	0.9
23-May-11	<1.8	<1.8	1.3	<1.8	<1.8	0.1	23-Jul-11	<1.8	<1.8	1.4	<1.8	<1.8	0.9
24-May-11	<1.8	<1.8	1.3	<1.8	<1.8	0.1	24-Jul-11	<1.8	<1.8	1.3	<1.8	<1.8	0.9
25-May-11	<1.8	<1.8	1.3	<1.8	<1.8	0.1	25-Jul-11	<1.8	<1.8	1.3	<1.8	<1.8	0.9
26-May-11	<1.8	<1.8	1.3	<1.8	<1.8	0.1	26-Jul-11	<1.8	<1.8	1.3	<1.8	<1.8	0.8
27-May-11	<1.8	<1.8	1.3	<1.8	<1.8	0.1	27-Jul-11	<1.8	<1.8	1.3	<1.8	<1.8	0.8
28-May-11	<1.8	<1.8	1.3	<1.8	<1.8	0.1	28-Jul-11	2	<1.8	1.4	4.5	<1.8	0.9
29-May-11	<1.8	<1.8	1.3	<1.8	<1.8	0.1	29-Jul-11	<1.8	<1.8	1.4	<1.8	<1.8	0.9
30-May-11	<1.8	<1.8	1.3	2	<1.8	0.2	30-Jul-11	1.8	<1.8	1.4	4.5	<1.8	1.1
31-May-11	<1.8	<1.8	1.3	<1.8	<1.8	0.2	31-Jul-11	7.8	<1.8	1.6	1.8	<1.8	1.1
1-Jun-11	<1.8	<1.8	1.3	<1.8	<1.8	0.2	1-Aug-11	<1.8	<1.8	1.5	<1.8	<1.8	1.1
2-Jun-11	<1.8	<1.8	1.3	<1.8	<1.8	0.2	2-Aug-11	2	1.8	1.5	2	1.8	1.1
3-Jun-11	<1.8	<1.8	1.3	<1.8	<1.8	0.2	3-Aug-11	4.5	2.0	1.7	<1.8	1.8	1.1
4-Jun-11	<1.8	<1.8	0.9	<1.8	<1.8	0.2	4-Aug-11	<1.8	1.8	1.7	6.8	1.8	1.4
5-Jun-11	<1.8	<1.8	0.9	<1.8	<1.8	0.2	5-Aug-11	13	2.0	2.1	<1.8	1.8	1.4
6-Jun-11	<1.8	<1.8	0.2	<1.8	<1.8	0.2	6-Aug-11	23	4.5	2.9	7.8	1.8	1.6
7-Jun-11	<1.8	<1.8	0.2	<1.8	<1.8	0.2	7-Aug-11	<1.8	2.0	2.5	1.8	1.8	1.5
8-Jun-11	<1.8	<1.8	0.2	<1.8	<1.8	0.1	8-Aug-11	2	2.0	2.4	<1.8	1.8	1.5
9-Jun-11	<1.8	<1.8	0.2	<1.8	<1.8	0.1	9-Aug-11	<1.8	2.0	2.4	2	1.8	1.6
10-Jun-11	<1.8	<1.8	0.2	<1.8	<1.8	0.1	10-Aug-11	<1.8	<1.8	2.4	<1.8	1.8	1.6
11-Jun-11	<1.8	<1.8	0.2	2	<1.8	0.2	11-Aug-11	<1.8	<1.8	2.3	<1.8	<1.8	1.5
12-Jun-11	<1.8	<1.8	0.2	2	<1.8	0.3	12-Aug-11	<1.8	<1.8	2.3	<1.8	<1.8	1.4
13-Jun-11	<1.8	<1.8	0.2	<1.8	<1.8	0.3	13-Aug-11	4.5	<1.8	2.5	2	<1.8	1.5
14-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.3	14-Aug-11	<1.8	<1.8	2.0	<1.8	<1.8	1.3
15-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.3	15-Aug-11	<1.8	<1.8	2.0	<1.8	<1.8	1.3
16-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.3	16-Aug-11	<1.8	<1.8	2.0	<1.8	<1.8	1.3
17-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.3	17-Aug-11	<1.8	<1.8	2.0	<1.8	<1.8	1.3
18-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.3	18-Aug-11	13	<1.8	2.5	49	<1.8	2.9
19-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.3	19-Aug-11	<1.8	<1.8	2.5	<1.8	<1.8	2.9
20-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.3	20-Aug-11	<1.8	<1.8	2.5	<1.8	<1.8	2.7
21-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.2	21-Aug-11	17	<1.8	3.0	6.1	<1.8	2.9
22-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.2	22-Aug-11	<1.8	<1.8	3.0	<1.8	<1.8	2.9
23-Jun-11	<1.8	<1.8	<1.8	<1.8	<1.8	0.2	23-Aug-11	<1.8	<1.8	3.0	<1.8	<1.8	2.9
24-Jun-11	2	<1.8	0.1	<1.8	<1.8	0.2	24-Aug-11	<1.8	<1.8	3.0	<1.8	<1.8	2.9
25-Jun-11	<1.8	<1.8	0.1	<1.8	<1.8	0.2	25-Aug-11	<1.8	<1.8	3.0	<1.8	<1.8	2.9
26-Jun-11	<1.8	<1.8	0.1	2	<1.8	0.3	26-Aug-11	<1.8	<1.8	3.0	<1.8	<1.8	2.9
27-Jun-11	<1.8	<1.8	0.1	<1.8	<1.8	0.3	27-Aug-11	<1.8	<1.8	3.0	<1.8	<1.8	2.8
28-Jun-11	<1.8	<1.8	0.1	<1.8	<1.8	0.3	28-Aug-11	<1.8	<1.8	3.0	<1.8	<1.8	2.8
29-Jun-11	<1.8	<1.8	0.1	<1.8	<1.8	0.2	29-Aug-11	<1.8	<1.8	2.9	<1.8	<1.8	2.6
30-Jun-11	<1.8	<1.8	0.1	<1.8	<1.8	0.2	30-Aug-11	2	<1.8	2.7	2	<1.8	2.7
NA= not analyzed							31-Aug-11	<1.8	<1.8	2.7	<1.8	<1.8	2.7

**2011 Annual South Bay Water Reclamation Plant
Total Coliform Report**

2011 SBWRP Total Coliforms (MPN/ 100 ml)

Sample Date	SAMPLE			FIELD DUPLICATE			Sample Date	SAMPLE			FIELD DUPLICATE		
	Total Coliforms	7-Day Median	30-Day Average	Total Coliforms	7-Day Median	30-Day Average		Total Coliforms	7-Day Median	30-Day Average	Total Coliforms	7-Day Median	30-Day Average
1-Sep-11	<1.8	<1.8	2.6	<1.8	<1.8	2.6	1-Nov-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1
2-Sep-11	<1.8	<1.8	2.5	<1.8	<1.8	2.6	2-Nov-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1
3-Sep-11	<1.8	<1.8	2.5	<1.8	<1.8	2.4	3-Nov-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1
4-Sep-11	2	<1.8	2.1	<1.8	<1.8	2.4	4-Nov-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1
5-Sep-11	<1.8	<1.8	1.4	<1.8	<1.8	2.1	5-Nov-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1
6-Sep-11	<1.8	<1.8	1.4	<1.8	<1.8	2.0	6-Nov-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1
7-Sep-11	<1.8	<1.8	1.3	<1.8	<1.8	2.0	7-Nov-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1
8-Sep-11	<1.8	<1.8	1.3	<1.8	<1.8	2.0	8-Nov-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1
9-Sep-11	4	<1.8	1.4	<1.8	<1.8	2.0	9-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	<1.8
10-Sep-11	2	<1.8	1.5	2	<1.8	2.0	10-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	<1.8
11-Sep-11	<1.8	<1.8	1.5	<1.8	<1.8	2.0	11-Nov-11	4	<1.8	0.2	15	<1.8	0.5
12-Sep-11	2	<1.8	1.4	33	<1.8	3.1	12-Nov-11	<1.8	<1.8	0.2	<1.8	<1.8	0.5
13-Sep-11	<1.8	<1.8	1.4	<1.8	<1.8	3.1	13-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
14-Sep-11	<1.8	<1.8	1.4	<1.8	<1.8	3.1	14-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
15-Sep-11	<1.8	<1.8	1.4	<1.8	<1.8	3.1	15-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
16-Sep-11	<1.8	<1.8	1.4	<1.8	<1.8	3.1	16-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
17-Sep-11	<1.8	<1.8	1.0	<1.8	<1.8	1.4	17-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
18-Sep-11	<1.8	<1.8	1.0	<1.8	<1.8	1.4	18-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
19-Sep-11	<1.8	<1.8	1.0	<1.8	<1.8	1.4	19-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
20-Sep-11	<1.8	<1.8	0.4	<1.8	<1.8	1.2	20-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
21-Sep-11	49	<1.8	2.0	7.8	<1.8	1.5	21-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
22-Sep-11	<1.8	<1.8	2.0	<1.8	<1.8	1.5	22-Nov-11	NA	<1.8	0.1	NA	<1.8	0.5
23-Sep-11	<1.8	<1.8	2.0	<1.8	<1.8	1.5	23-Nov-11	NA	<1.8	0.1	NA	<1.8	0.5
24-Sep-11	<1.8	<1.8	2.0	<1.8	<1.8	1.5	24-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
25-Sep-11	<1.8	<1.8	2.0	<1.8	<1.8	1.5	25-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
26-Sep-11	<1.8	<1.8	2.0	<1.8	<1.8	1.5	26-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
27-Sep-11	<1.8	<1.8	2.0	<1.8	<1.8	1.5	27-Nov-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
28-Sep-11	<1.8	<1.8	2.0	2	<1.8	1.6	28-Nov-11	NA	<1.8	0.1	NA	<1.8	0.5
29-Sep-11	1.8	<1.8	2.0	<1.8	<1.8	1.5	29-Nov-11	NA	<1.8	0.1	NA	<1.8	0.5
30-Sep-11	1.8	<1.8	2.1	4.5	<1.8	1.6	30-Nov-11	NA	<1.8	0.1	NA	<1.8	0.5
1-Oct-11	<1.8	<1.8	2.1	<1.8	<1.8	1.6	1-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
2-Oct-11	<1.8	<1.8	2.1	<1.8	<1.8	1.6	2-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
3-Oct-11	<1.8	<1.8	2.1	<1.8	<1.8	1.6	3-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
4-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	1.6	4-Dec-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
5-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	1.6	5-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
6-Oct-11	<1.8	<1.8	2.0	2	<1.8	1.7	6-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
7-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	1.7	7-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
8-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	1.7	8-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
9-Oct-11	<1.8	<1.8	1.9	<1.8	<1.8	1.7	9-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
10-Oct-11	4.5	<1.8	2.0	2	<1.8	1.7	10-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
11-Oct-11	2	<1.8	2.0	<1.8	<1.8	1.7	11-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
12-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	0.6	12-Dec-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
13-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	0.6	13-Dec-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
14-Oct-11	2	<1.8	2.0	<1.8	<1.8	0.6	14-Dec-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
15-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	0.6	15-Dec-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
16-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	0.6	16-Dec-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
17-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	0.6	17-Dec-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
18-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	0.6	18-Dec-11	<1.8	<1.8	0.1	<1.8	<1.8	0.5
19-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	0.6	19-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
20-Oct-11	<1.8	<1.8	2.0	<1.8	<1.8	0.6	20-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
21-Oct-11	<1.8	<1.8	0.4	<1.8	<1.8	0.4	21-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
22-Oct-11	<1.8	<1.8	0.4	<1.8	<1.8	0.4	22-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
23-Oct-11	<1.8	<1.8	0.4	<1.8	<1.8	0.4	23-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
24-Oct-11	<1.8	<1.8	0.4	<1.8	<1.8	0.4	24-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
25-Oct-11	<1.8	<1.8	0.4	<1.8	<1.8	0.4	25-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
26-Oct-11	<1.8	<1.8	0.4	<1.8	<1.8	0.4	26-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
27-Oct-11	<1.8	<1.8	0.4	<1.8	<1.8	0.4	27-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
28-Oct-11	<1.8	<1.8	0.4	<1.8	<1.8	0.3	28-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
29-Oct-11	<1.8	<1.8	0.3	<1.8	<1.8	0.3	29-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
30-Oct-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1	30-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5
31-Oct-11	<1.8	<1.8	0.3	<1.8	<1.8	0.1	31-Dec-11	NA	<1.8	0.1	NA	<1.8	0.5

NA= not analyzed

E. UV Performance 2011

UV PERFORMANCE REPORT
CY 2011
Monthly Averages

Date	UV TRANSMITTANCE PCT	UV MIN DOSE mj/cm2	BANK 1 POWER PCT	BANK 2 POWER PCT	BANK 3 POWER PCT	BANK 4 POWER PCT
Jan-11	65.91	173.75	49.58	50.49	47.52	50.93
Feb-11	66.18	168.29	56.41	39.27	55.2	58.69
Mar-11	66	173.57	36.99	43.31	49.61	53.23
Apr-11	67.22	175.87	50.47	53.15	49.77	53.26
May-11	65.8	171.5	65.72	68.31	64.24	68.36
Jun-11	62.58	176.92	79.85	82.2	79.58	81.26
Jul-11	63.29	180.01	76.84	75.96	79.16	78.94
Aug-11	65.89	174.18	74	71.99	75.7	75.81
Sep-11	66.21	173.52	71.48	70.21	73.74	73.29
Oct-11	67.5	174.17	69.28	68.06	72.89	71.91
Nov-11	68.02	177.17	46.68	47.15	48.71	49.61
Dec-11	63.33	157.65	48.32	48.73	50.04	50.64
Average	65.66	173.05	60.47	59.9	62.18	63.83

This page left blank intentionally.