VII. Reclaimed Water Data Summary.

The results of all analyses performed on Reclaim water are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated. Graphs of monthly averages are presented.
South Bay Water Reclamation plant began reclaim water production on July 6, 2006.

A. Reclaimed Water Data Summaries

B. Reclaimed Water Graphs

C. Daily Values of Selected Parameters

D. Total Coliform Data Summaries

E. UV Performance Report

A. Reclaim Water Data Summaries

The results of all analyses performed on the SBWRP Reclaim 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 - 2007

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	0.79	0	1.13	0
Feb	0.62	0	0.83	0
Mar	0.92	0	1.33	0
Apr	0.87	0	1.36	0
May	0.78	0	1.13	0
Jun	0.43	0	0.71	0
Jul	0.35	0	0.52	0
Aug	0.36	0	0.54	0
Sep	0.39	0	0.89	0
Oct	0.52	0	0.70	0
Nov	0.63	0	1.18	0
Dec	0.83	0	1.47	0
Average:	0.62			

[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 combined filter effluent turbidity meter (S29AI0203), located at UV vault of Area 29 (Tertiary UV Disinfection System)

SOUTH BAY WATER RECLAMATION PLANT

From 01-JAN-2007 to 31-DEC-2007

Reclaim Water
(SB_REC_WATER_34)

	Flow (mgd)	pH	Biochemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)
JANUARY -2007	6.18	7.21	2.5	<1.6	<1.6	776
FEBRUARY -2007	6.47	7.27	3.9	<1.6	<1.6	920
MARCH -2007	6.51	7.27	3.8	<1.6	<1.6	902
APRIL -2007	6.17	7.25	3.8	3.0	2.2	881
MAY -2007	5.00	7.35	2.2	<1.6	<1.6	968
JUNE -2007	1.10	7.39	2.6	3.1	2.3	963
JULY -2007	1.03	7.39	2.6	5.1	4.2	914
AUGUST -2007	1.05	7.40	2.6	4.0	3.5	890
SEPTEMBER-2007	1.87	7.45	2.4	3.7	3.2	959
OCTOBER -2007	2.92	7.36	<2.0	2.6	1.9	917
NOVEMBER -2007	4.15	7.36	<2.0	2.0	<1.6	818
DECEMBER -2007	5.94	7.30	<2.0	<1.4	<1.6	856
Average	4.03	7.33	2.2	2.0	1.4	897

	Turbidity (NTU)
JANUARY -2007	1.55
FEBRUARY -2007	1.02
MARCH -2007	0.80
APRIL -2007	1.46
MAY -2007	1.16
JUNE -2007	2.00
JULY -2007	1.40
AUGUST -2007	1.66
SEPTEMBER-2007	1.20
OCTOBER -2007	2.90
NOVEMBER -2007	1.05
DECEMBER -2007	3.63
Average	1.65

NA= Not Analyzed, ND= Not Detected, NR= Not Required

South Bay Water Reclamation Plant
Quarterly Sludge Project

From 01-JAN-2007 to 31-DEC-2007

Source: SB_REC_WATER_34

Analytes	MDL	Units	13-FEB-2007	14-FEB-2007	08-MAY-2007	09-MAY-2007
Ammonia-N	.3	MG/L	ND	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	ND	NR	2.4	NR
Hexane Extractable Material	1.4	MG/L	NR	1.9	NR	2.0
Conductivity	10	UMHOS/CM	1470	NR	1490	NR
MBAS (Surfactants)	.03	MG/L	0.4	NR	0.4	NR
pH (grab)		PH	NR	7.3	NR	7.6
pH (composite)		PH	7.6	NR	7.9	NR
Total Alkalinity (bicarbonate)	20	MG/L	150	NR	165	NR
Total Dissolved Solids	42	MG/L	918	NR	1190	NR
Total Suspended Solids	1.6	MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6	MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6	MG/L	1.9	NR	1.7	NR
Turbidity	.13	NTU	0.9	NR	1.4	NR

Source: SB_REC_WATER_34

Analytes	MDL	Units	08-AUG-2007	09-AUG-2007	02-OCT-2007	03-OCT-2007
Ammonia-N	.3	MG/L	0.4	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2	MG/L	2.5	NR	3.4	NR
Hexane Extractable Material	1.4	MG/L	NR	3.4	NR	5.3
Conductivity	10	UMHOS/CM	1450	NR	1460	NR
MBAS (Surfactants)	.03	MG/L	0.4	NR	0.4	NR
pH (grab)		PH	NR	7.1	NR	7.8
pH (composite)		PH	7.7	NR	8.1	NR
Total Alkalinity (bicarbonate)	20	MG/L	156	NR	176	NR
Total Dissolved Solids	42	MG/L	1010	NR	940	NR
Total Suspended Solids	1.6	MG/L	2.2	NR	4.7	NR
Volatile Suspended Solids	1.6	MG/L	1.8	NR	4.2	NR
Total Kjeldahl Nitrogen	1.6	MG/L	1.6	NR	2.9	NR
Turbidity	.13	NTU	1.7	NR	2.9	NR

NA= Not Analyzed, ND= Not Detected, NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
SB_REC_WATER_34 Reclaimed Water- Annual Averages

From 01-JAN-2007 to 31-DEC-2007

Source:	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
MDL:	47	2.9	.4	.039	.022	1.7
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2007	NR	NR	NR	NR	NR	202
FEBRUARY -2007	ND	ND	0.53	71.0	ND	365
MARCH -2007	198	ND	NR	63.0	ND	301
APRIL -2007	209	ND	NR	53.8	ND	342
MAY -2007	124	ND	0.77	62.7	ND	362
JUNE -2007	53	ND	NR	53.3	ND	303
JULY -2007	193	ND	NR	63.5	ND	322
AUGUST -2007	303	ND	0.52	50.5	ND	358
SEPTEMBER-2007	176	ND	NR	59.2	ND	360
OCTOBER -2007	155	ND	ND	49.6	ND	306
NOVEMBER -2007	NR	NR	NR	NR	NR	312
DECEMBER -2007	NR	NR	NR	NR	NR	337
Annual Average:	157	ND	0.46	58.5	ND	323

Source:	Cadmium	Chromium	Copper	Iron	Manganese	Mercury
MDL:	.53	1.2	.63	37	.24	.09
Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JANUARY -2007	NR	NR	NR	94	30	NR
FEBRUARY -2007	ND	ND	9.0	109	45	ND
MARCH -2007	ND	ND	5.2	89	22	NR
APRIL -2007	ND	ND	4.8	50	14	NR
MAY -2007	ND	1.5	5.6	115	32	ND
JUNE -2007	ND	ND	8.0	49	11	NR
JULY -2007	ND	ND	14.1	ND	9	NR
AUGUST -2007	0.75	ND	37.7	76	10	ND
SEPTEMBER-2007	0.93	1.4	11.4	78	8	NR
OCTOBER -2007	ND	ND	8.1	76	6	ND
NOVEMBER -2007	NR	NR	NR	65	6	NR
DECEMBER -2007	NR	NR	NR	62	13	NR
Annual Average:	0.19	0.3	11.5	72	17	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	0.5 MG/L
JANUARY -2007	NR	NR	NR	201	0.31	162
FEBRUARY -2007	3.82	0.80	ND	209	0.36	214
MARCH -2007	3.06	NR	ND	234	0.43	210
APRIL -2007	3.60	NR	ND	221	0.45	174
MAY -2007	3.39	0.73	ND	229	0.37	196
JUNE -2007	3.28	NR	ND	235	0.42	182
JULY -2007	2.65	NR	ND	216	0.55	195
AUGUST -2007	6.33	0.41	ND	232	0.41	178
SEPTEMBER-2007	3.76	NR	ND	221	0.55	200
OCTOBER -2007	2.29	0.39	ND	226	0.38	187
NOVEMBER -2007	NR	NR	NR	211	0.39	176
DECEMBER -2007	NR	NR	NR	207	0.43	178
Annual Average:	3.58	0.58	ND	220	0.42	188

ND= Not Detected, NA= Not Analyzed, NS= Not Sampled, NR= Not required

SOUTH BAY WATER RECLAMATION PLANT
SB_REC_WATER_34 Reclaimed Water- Annual Averages

From 01-JAN-2007 to 31-DEC-2007

Source:	Total Cyanides	MBAS (surfactants)	Percent Sodium	Calcium	Magnesium	Potassium
MDL:	.002	.03		.04	.1	.3
Units:	MG/L	MG/L	Calculated %	MG/L	MG/L	MG/L
JANUARY -2007	NR	0.39	57	55.6	21.8	14.6
FEBRUARY -2007	ND	0.42	54	70.9	28.2	15.4
MARCH -2007	NR	0.39	55	71.9	29.4	16.0
APRIL -2007	NR	0.34	55	64.4	27.3	16.1
MAY -2007	ND	0.41	56	65.8	27.3	15.2
JUNE -2007	NR	0.33	58	68.7	29.9	18.5
JULY -2007	NR	0.39	57	67.9	27.8	17.9
AUGUST -2007	0.0025	0.39	57	63.8	29.1	17.2
SEPTEMBER-2007	NR	0.37	55	69.3	29.9	16.9
OCTOBER -2007	0.0036	0.41	55	71.2	28.4	18.3
NOVEMBER -2007	NR	0.41	56	64.7	26.6	18.0
DECEMBER -2007	NR	0.43	56	63.9	24.0	17.1
Annual Average:	0.0015	0.39	56	66.5	27.5	16.8

Source:	Sodium	Calcium Hardness	Magnesium Hardness	Total Hardness	Total Dissolved Solids	Lithium
MDL:	1	.04	.1	.1	42	.002
Units:	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
JANUARY -2007	149	139	89	228	776	0.03
FEBRUARY -2007	169	177	116	293	920	0.04
MARCH -2007	180	180	121	301	902	0.04
APRIL -2007	165	161	112	273	881	0.03
MAY -2007	174	165	112	277	968	0.03
JUNE -2007	200	172	123	295	963	0.03
JULY -2007	190	170	114	284	914	0.03
AUGUST -2007	184	160	119	279	890	0.03
SEPTEMBER-2007	177	173	123	296	959	0.03
OCTOBER -2007	178	178	116	294	917	0.04
NOVEMBER -2007	172	162	109	271	818	0.03
DECEMBER -2007	164	160	98	258	856	0.03
Annual Average:	175	166.4	113	279	897	0.03

Source:	Cobalt	Molybdenum	Vanadium	Nitrate	O-Phosphate	Total Alkalinity (bicarbonate)
MDL:	.85	.89	.64	.04	.2	20
Units:	UG/L	UG/L	UG/L	MG/L	MG/L	MG/L
JANUARY -2007	NR	NR	NR	NR	NR	132
FEBRUARY -2007	ND	4.4	ND	17.3	4.69	150
MARCH -2007	ND	4.9	ND	NR	NR	165
APRIL -2007	ND	3.4	ND	28.1	8.86	164
MAY -2007	ND	3.7	ND	20.8	6.82	165
JUNE -2007	ND	4.1	ND	28.9	NR	164
JULY -2007	ND	3.8	ND	NR	NR	156
AUGUST -2007	ND	3.6	ND	31.4	2.32	156
SEPTEMBER-2007	ND	3.6	ND	27.6	NR	157
OCTOBER -2007	ND	3.4	ND	31.6	9.78	176
NOVEMBER -2007	NR	NR	NR	31.8	NR	152
DECEMBER -2007	NR	NR	NR	32.4	NR	150
Annual Average:	ND	3.88	ND	27.8	6.49	157

ND= Not Detected, NA= Not Analyzed, NS= Not Sampled, NR= Not required

SOUTH BAY WATER RECLAMATION PLANT
QUARTERLY SLUDGE PROJECT
(Metals from Digestion and Ions from Supernatant)

From 01-JAN-2007 to 31-DEC-2007

Source: SB_REC_WATER_34

Date:			13-FEB-2007	08-MAY-2007	08-AUG-2007	02-OCT-2007
Sample ID:	MDL	Units	P370734	P380579	P392204	P399406
Aluminum	47	UG/L	ND	124	303	NR
Antimony	2.9	UG/L	ND	ND	ND	NR
Arsenic	.4	UG/L	0.53	0.77	0.52	NR
Barium	.039	UG/L	71	63	51	NR
Beryllium	.022	UG/L	ND	ND	ND	NR
Boron	1.7	UG/L	365	362	358	NR
Cadmium	.53	UG/L	ND	ND	0.8	NR
Chromium	1.2	UG/L	ND	1.50	ND	NR
Cobalt	.85	UG/L	ND	ND	ND	NR
Copper	.63	UG/L	9	6	38	NR
Iron	37	UG/L	109	115	76	NR
Lead	2	UG/L	ND	ND	ND	NR
Manganese	.24	UG/L	45.4	32.3	9.62	NR
Mercury	.09	UG/L	ND	ND	ND	NR
Molybdenum	.89	UG/L	4.38	3.69	3.59	NR
Nickel	.53	UG/L	3.82	3.39	6.33	NR
Selenium	.28	UG/L	0.80	0.73	0.41	NR
Silver	.4	UG/L	ND	ND	ND	NR
Thallium	3.9	UG/L	ND	ND	ND	NR
VaNRdium	.64	UG/L	ND	ND	ND	NR
Zinc	.41	UG/L	29	24	28	NR
Bromide	.1	MG/L	0.37	0.48	0.26	0.29
Chloride	7	MG/L	209	229	232	226
Fluoride	.05	MG/L	0.36	0.37	0.41	0.38
Nitrate	.04	MG/L	17.3	20.8	31.4	31.6
Ortho Phosphate	.2	MG/L	4.7	6.8	2.3	9.8
Sulfate	9	MG/L	214	196	178	187
Calcium	.04	MG/L	71	66	64	71
Lithium	.002	MG/L	0.04	0.03	0.03	0.04
Magnesium	.1	MG/L	28	27	29	28
Potassium	.3	MG/L	15	15	17	18
Sodium	1	MG/L	169	174	184	178
Calcium Hardness	.1	MG/L	177	164	159	178
Magnesium Hardness	.4	MG/L	116	113	120	117
Total Hardness	.4	MG/L	293	277	279	295
Cyanides,Total	.002	MG/L	ND	ND	0.003	0.004
Sulfides-Total	.18	MG/L	ND	ND	ND	0.63
Total Kjeldahl Nitrogen	1.6	MG/L	1.9	1.7	1.6	2.9
Ammonia-N	.3	MG/L	ND	ND	0.4	ND
Percent Sodium		PERCENT	54.0	56.1	57.1	54.9
Total Organic Carbon		MG/L	NR	NR	10.6	NR

ND= Not Detected
NA= Not Analyzed
NS= Not Sampled
NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
QUARTERLY SLUDGE PROJECT
Radioactivity

From 01-JAN-2007 to 31-DEC-2007

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
SB_REC_WATER_34	13-FEB-2007	P370734	2.1±1.1	18.6±3.1
SB_REC_WATER_34	08-MAY-2007	P380579	1.6±1.1	13.1±3.8
SB_REC_WATER_34	08-AUG-2007	P392204	1.0±0.9	16.7±3.6
SB_REC_WATER_34	02-OCT-2007	P399406	0.7±0.7	17.8±4.6

NA= Not Analyzed, ND= Not Detected, NS= Not Sampled, NR= Not Required

Units in picocuries per Liter (pCi/L)

South Bay Water Reclamation Plant
Annual Report - Chlorinated Pesticides

From 01-JAN-2007 to 31-DEC-2007

Source: SB_REC_WATER_34

Analyte	MDL	Units	13-FEB-2007 P370734	08-MAY-2007 P380579	08-AUG-2007 P392204	02-OCT-2007 P399406
Aldrin	60	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	10	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	20	NG/L	ND	ND	ND	ND
Dieldrin	50	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND	ND	ND
Beta Endosulfan	20	NG/L	ND	ND	ND	ND
Endrin	50	NG/L	ND	ND	ND	ND
Endrin aldehyde	20	NG/L	ND	ND	ND	ND
Heptachlor	20	NG/L	ND	ND	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND	ND	ND
Methoxychlor	60	NG/L	ND	ND	ND	ND
Mirex	20	NG/L	ND	ND	ND	ND
o,p-DDD	20	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	20	NG/L	ND	ND	ND	ND
Oxychlordane	20	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	4000	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	2000	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	20	NG/L	ND	ND	ND	ND
p,p-DDT	50	NG/L	ND	ND	ND	ND
Toxaphene	4000	NG/L	ND	ND	ND	ND
Trans Nonachlor	20	NG/L	ND	ND	ND	ND
Heptachlors	20	NG/L	0	0	0	0
Endosulfans	30	NG/L	0	0	0	0
Polychlorinated biphenyls	4000	NG/L	0	0	0	0
Chlordane + related cmpds.	80	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
Aldrin + Dieldrin	60	NG/L	0	0	0	0
Chlorinated Hydrocarbons	4000	NG/L	0	0	0	0

NA= Not Analyzed ND= Not Detected

South Bay Water Reclamation Plant
Annual report - OrganoPhosphorous

From 01-JAN-2007 to 31-DEC-2007

Source: SB_REC_WATER_34

Analyte	MDL	Units	08-MAY-2007 P380579	02-OCT-2007 P399406
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
Thiophosphorus Pesticides	.15	UG/L	0.000	0.000
Demeton -O, -S	.15	UG/L	0.000	0.000
Total Organophosphorus Pesticides	.3	UG/L	0.000	0.180
Tetraethylpyrophosphate		UG/L	NA	NA
Dichlorvos	.05	UG/L	ND	ND
Dibrom	.2	UG/L	ND	ND
Ethoprop	.04	UG/L	ND	ND
Phorate	.04	UG/L	ND	ND
Sulfotepp	.04	UG/L	ND	ND
Disulfoton	.02	UG/L	ND	0.180
Monocrotophos		UG/L	NA	NA
Dimethoate	.04	UG/L	ND	ND
Ronnel	.03	UG/L	ND	ND
Trichloronate	.04	UG/L	ND	ND
Merphos	.09	UG/L	ND	ND
Dichlofenthion	.03	UG/L	ND	ND
Tokuthion	.06	UG/L	ND	ND
Stirophos	.03	UG/L	ND	ND
Bolstar	.07	UG/L	ND	ND
Fensulfothion	.07	UG/L	ND	ND
EPN	.09	UG/L	ND	ND
Coumaphos	.15	UG/L	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND
Mevinphos, z isomer	.3	UG/L	ND	ND
Chlorpyrifos	.03	UG/L	ND	ND

NA= Not Analyzed, ND= Not Detected

South Bay Water Reclamation Plant

Quarterly Sludge Project

Organotin

From 01-JAN-2007 to 31-DEC-2007

Source: SB_REC_WATER_34

Analyte	MDL	Units	13-FEB-2007 P370734	08-MAY-2007 P380579	08-AUG-2007 P392204	02-OCT-2007 P399406
Tributyl tin	2	UG/L	ND	ND	ND	ND
Dibutyl tin	7	UG/L	ND	ND	ND	ND
Monobutyl Tin	16	UG/L	ND	ND	ND	ND

NA= Not Analyzed ND= Not Detected

South Bay Water Reclamation Plant
Annual Report - Phenols

From 01-JAN-2006 to 31-DEC-2006

Source: SB_WATER_REC_34

Analyte	MDL	Units	13-FEB-2007 P370734	08-MAY-2007 P380579	08-AUG-2007 P392204	02-OCT-2007 P399406
2,4,6-trichlorophenol	1.75	UG/L	ND	ND	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND	ND	ND
Phenol	2.53	UG/L	ND	ND	ND	ND
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00	0.00	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00	0.00	0.00
Total Phenols	6.07	UG/L	0.00	0.00	0.00	0.00
2-methylphenol	1.51	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	ND	ND	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Nd= not detected, NA= not analyzed, NS= not sampled

South Bay Water Reclamation Plant
Annual Report - Base/Neutrals

From 01-JAN-2007 to 31-DEC-2007

Source:SB_REC_WATER_34

Analyte	MDL	Units	13-FEB-2007 P370734	08-MAY-2007 P380579	08-AUG-2007 P392204	02-OCT-2007 P399406
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND	ND	ND
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND	ND	ND
Acenaphthene	2.2	UG/L	ND	ND	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND	ND	ND
Anthracene	4.04	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND	ND	ND
Chrysene	7.49	UG/L	ND	ND	ND	ND
Fluoranthene	6.9	UG/L	ND	ND	ND	ND
Fluorene	2.43	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND	ND	ND
Isophorone	1.93	UG/L	ND	ND	ND	ND
Naphthalene	1.52	UG/L	ND	ND	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND	ND	ND
Phenanthrene	4.15	UG/L	ND	ND	ND	ND
Pyrene	5.19	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	10.43	UG/L	0.0	0.0	0.0	0.0
1-methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND	ND	ND
Perylene	6.61	UG/L	ND	ND	ND	ND
Biphenyl	2.43	UG/L	ND	ND	ND	ND

Nd= not detected, NA= not analyzed, NS= not sampled

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

From 01-JAN-2007 to 31-DEC-2007

Source: SB_REC_WATER_34

Analyte	MDL	Units	14-FEB-2007 P370737	09-MAY-2007 P380582	09-AUG-2007 P392207	03-OCT-2007 P399409
Dichlorodifluoromethane		UG/L	NR	ND	ND	ND
Chloromethane	1	UG/L	ND	ND	ND	ND
Vinyl chloride	1	UG/L	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND	ND	ND
Acrolein	11.4	UG/L	ND	ND	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND	ND	ND
Methylene chloride	1	UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND	ND	ND
1,1-dichloroethene	1	UG/L	ND	ND	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND	ND	ND
Chloroform	1	UG/L	ND	ND	13.9	1.3
1,1,1-trichloroethane	1	UG/L	ND	ND	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND	ND	ND
Benzene	1	UG/L	ND	ND	ND	ND
1,2-dichloroethane	1	UG/L	ND	ND	ND	ND
Trichloroethene	1	UG/L	ND	ND	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND	ND	ND
Bromodichloromethane	1	UG/L	ND	ND	10.2	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND
Toluene	1	UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND	ND	ND
Tetrachloroethene	1	UG/L	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	ND	ND	4.5	ND
Chlorobenzene	1	UG/L	ND	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND	ND	ND
1,3-dichlorobenzene	1	UG/L	ND	ND	ND	ND
1,4-dichlorobenzene	1	UG/L	ND	ND	ND	ND
1,2-dichlorobenzene	1	UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	0.0	14.7	0.0
Purgeable Compounds	13.8	UG/L	0.0	0.0	28.6	1.3
Dichlorobenzenes	1	UG/L	0.0	0.0	0.0	0.0
Methyl Iodide	1	UG/L	ND	ND	ND	ND
Carbon disulfide	1	UG/L	ND	ND	ND	ND
Acetone	20	UG/L	ND	ND	ND	ND
Allyl chloride	1	UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND	ND	ND
Chloroprene	1.4	UG/L	ND	ND	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND	ND	ND
2-butanone	4	UG/L	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND
2-nitropropane	10	UG/L	ND	ND	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND	ND	ND
ortho-xylene	3.4	UG/L	ND	ND	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND	ND	ND
Styrene	4.7	UG/L	ND	ND	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND	ND	ND

ND= not detected, NA= not analyzed, NS= not sampled, NR= Not Required

South Bay Water Reclamation Plant

Benzidines

From 01-JAN-2007 to 31-DEC-2007

Source: SB_REC_WATER_34

Date:	MDL	Units	13-FEB-2007 P370734	08-MAY-2007 P380579	08-AUG-2007 P392204	02-OCT-2007 P399406
3,3-dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND

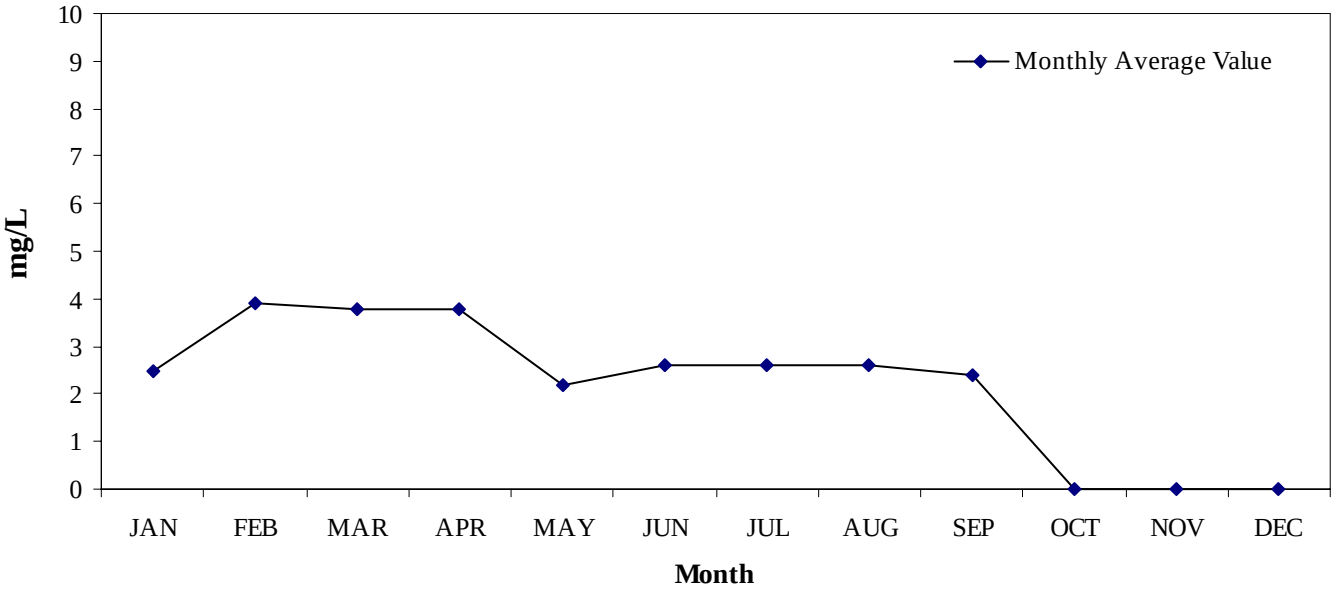
NA= Not Analyzed, ND= Not Detected

B. Reclaimed Water Graphs

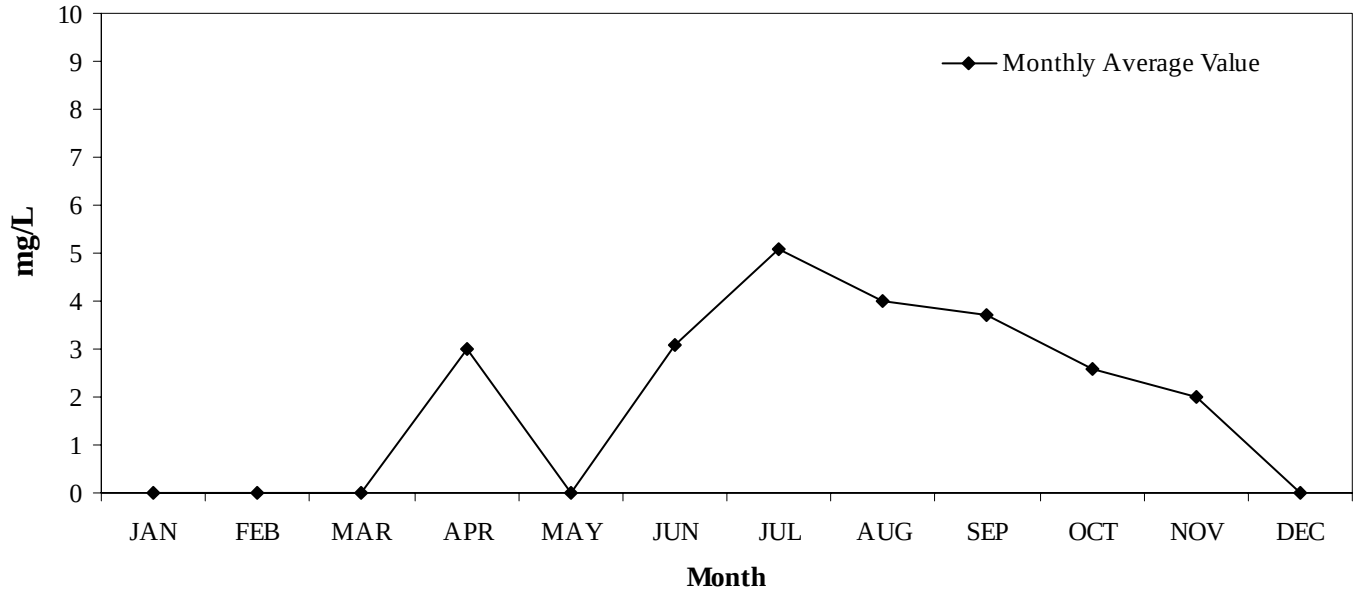
Graphs of monthly averages for permit parameters with measurable concentration averages.

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.

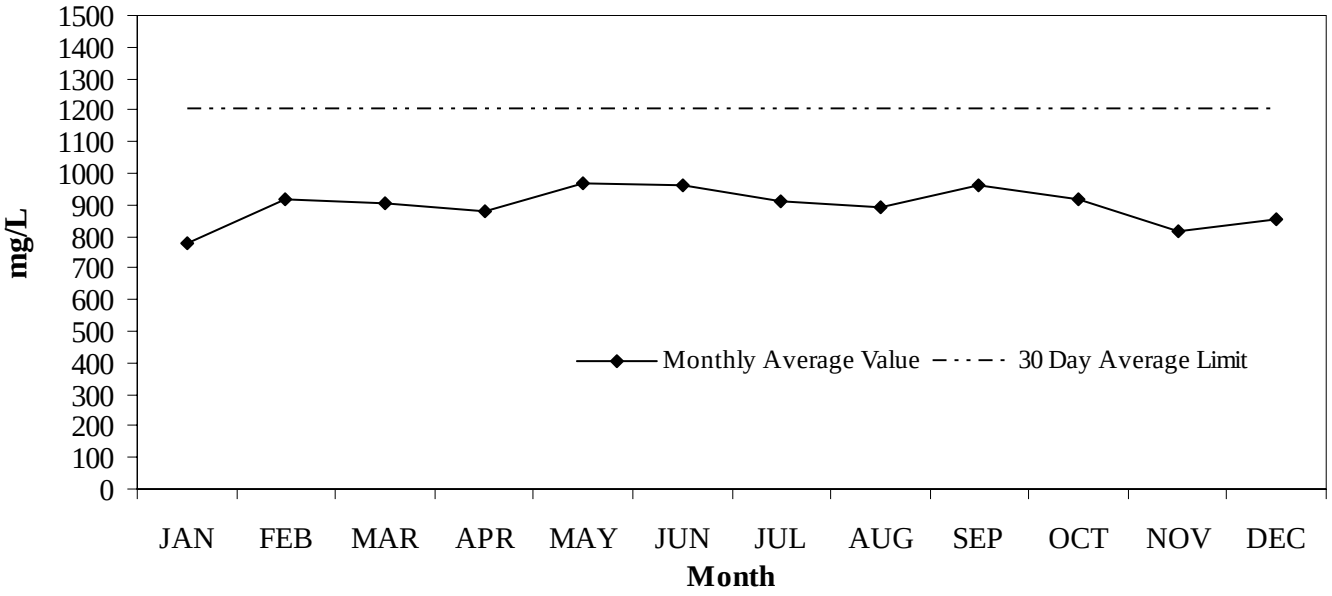
South Bay Reclaim Water
Biological Oxygen Demand



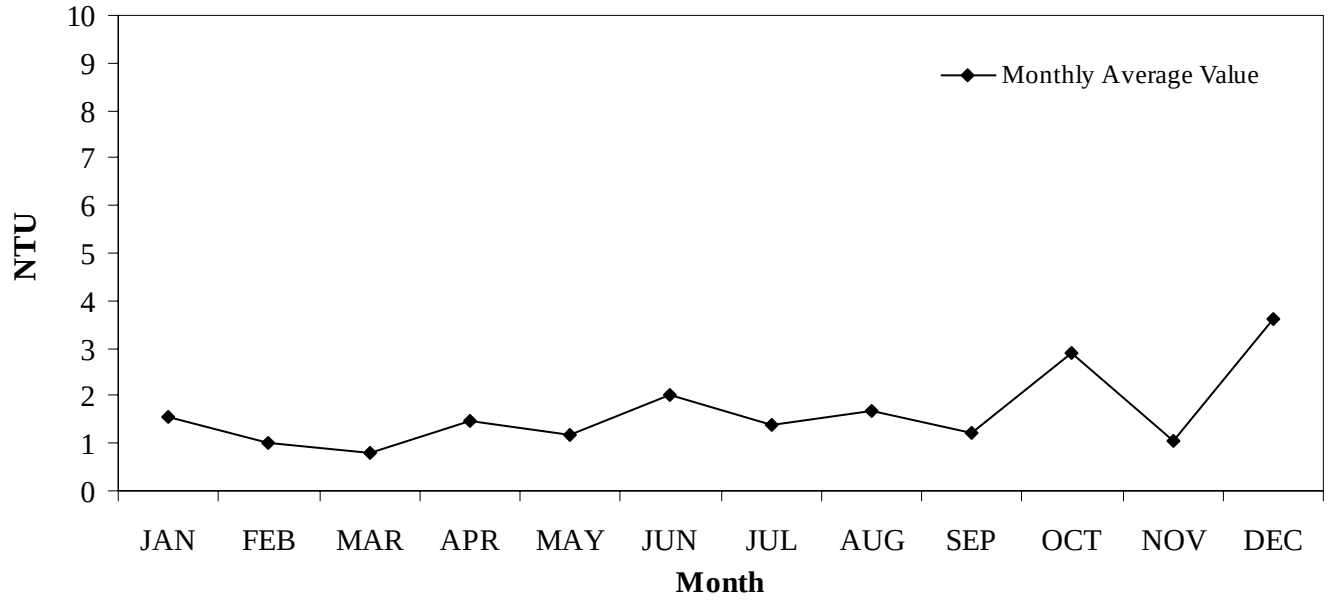
South Bay Reclaim Water
Total Suspended Solids



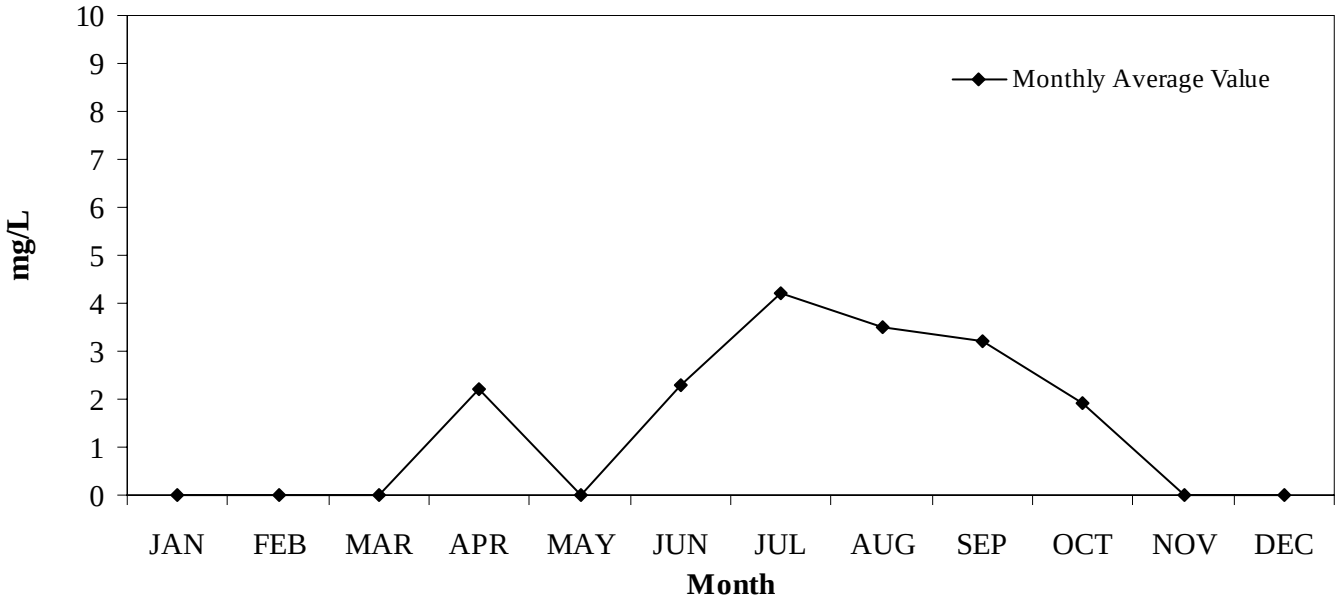
South Bay Reclaim Water
Total Dissolved Solids



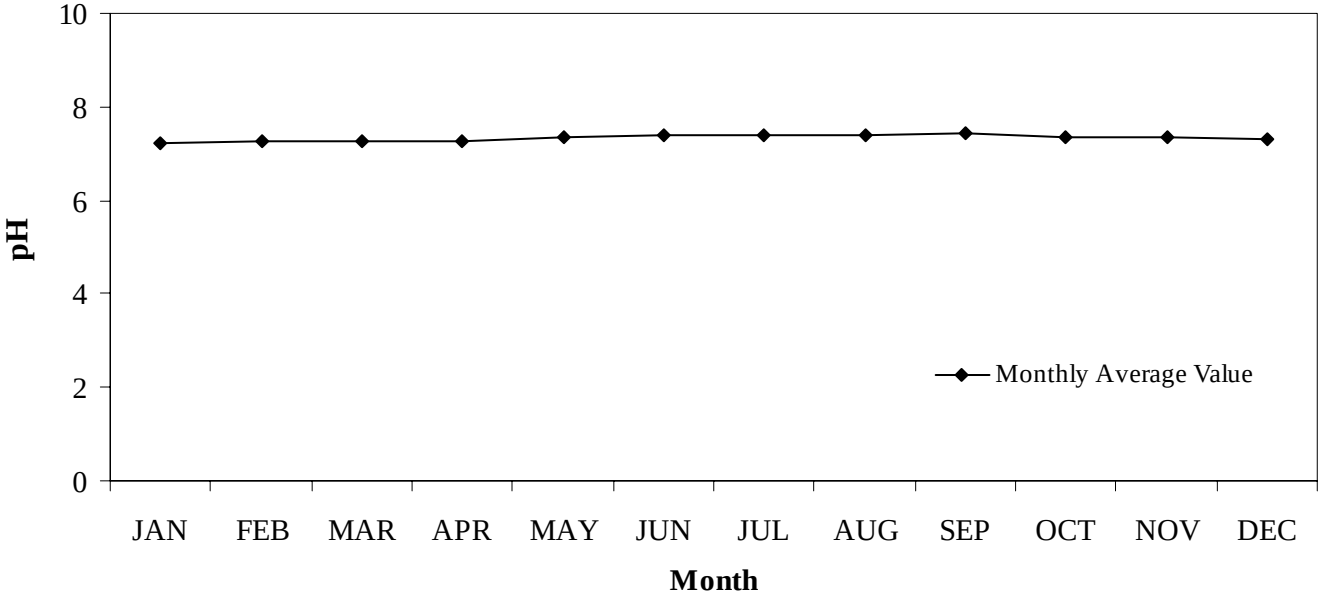
South Bay Reclaim Water
Turbidity



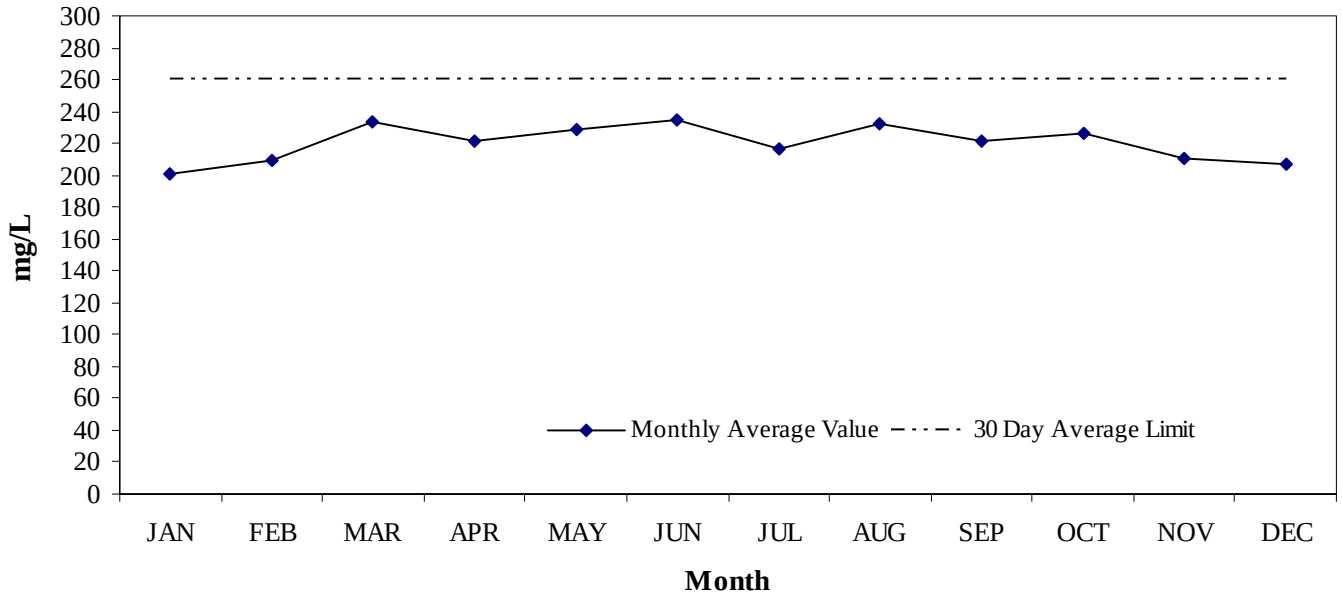
South Bay Reclaim Water
Volatile Suspended Solids



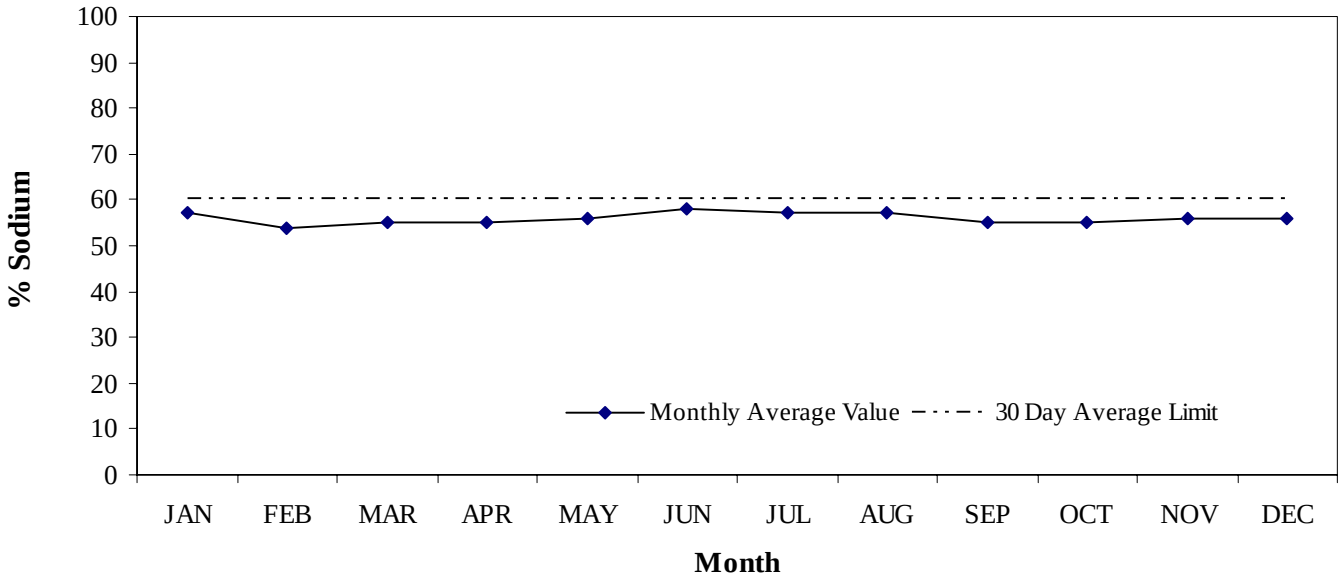
South Bay Reclaim Water
pH



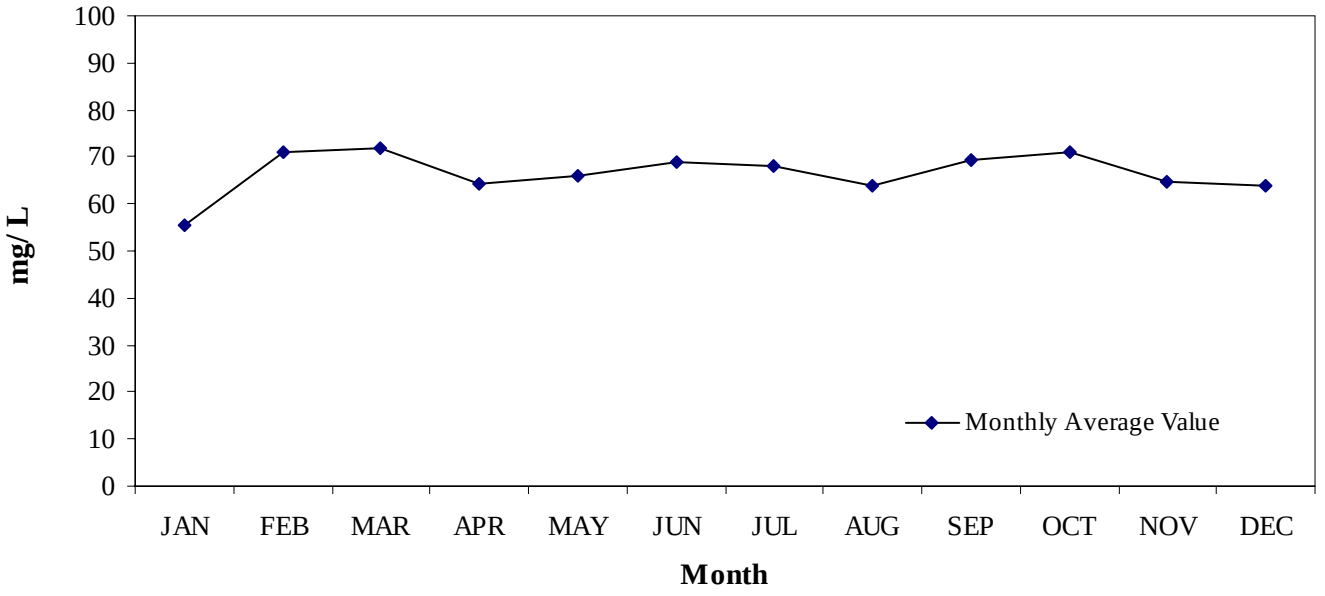
South Bay Reclaim Water
Chloride



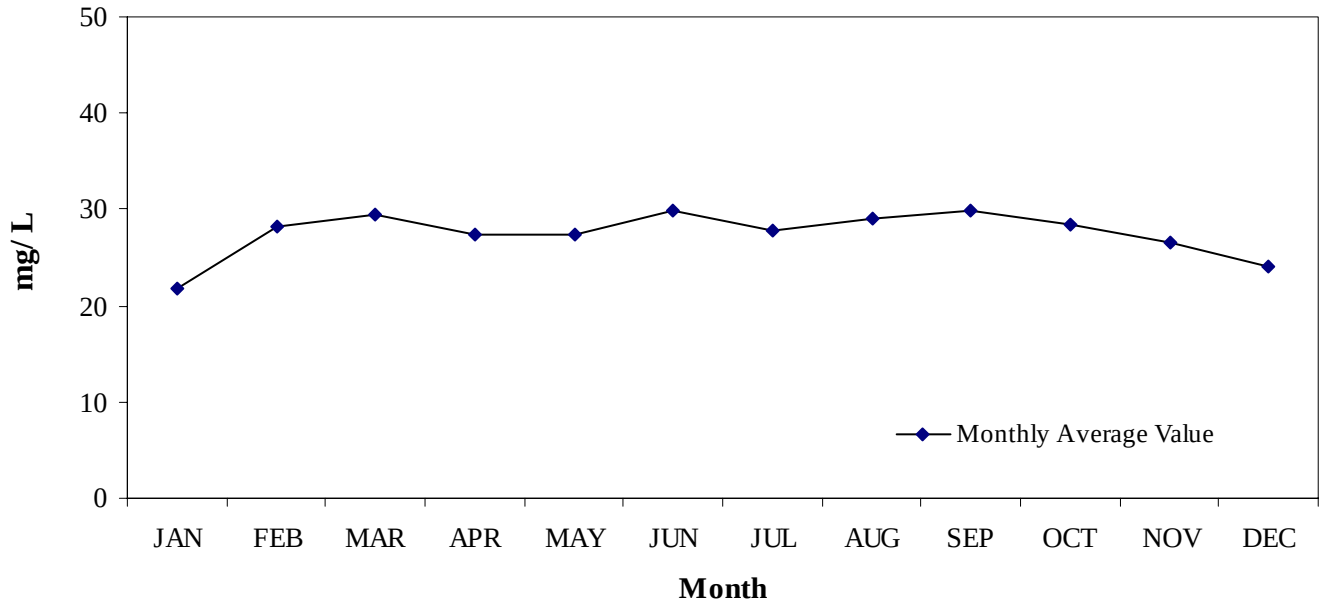
South Bay Reclaim Water
Percent Sodium



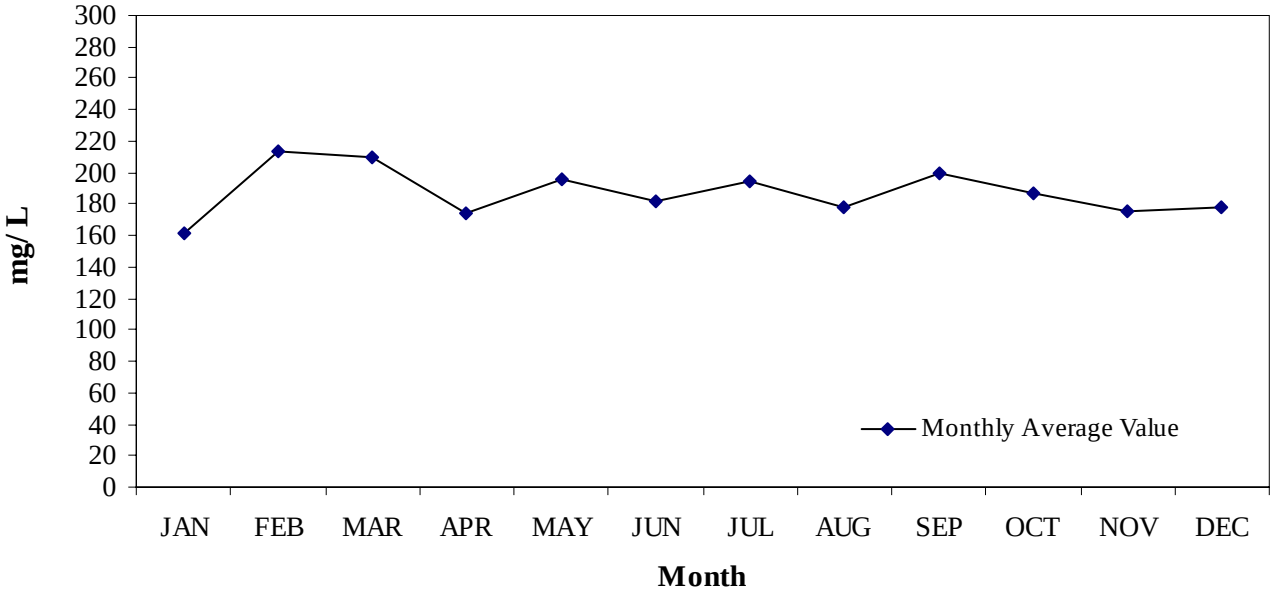
South Bay Reclaim Water
Calcium



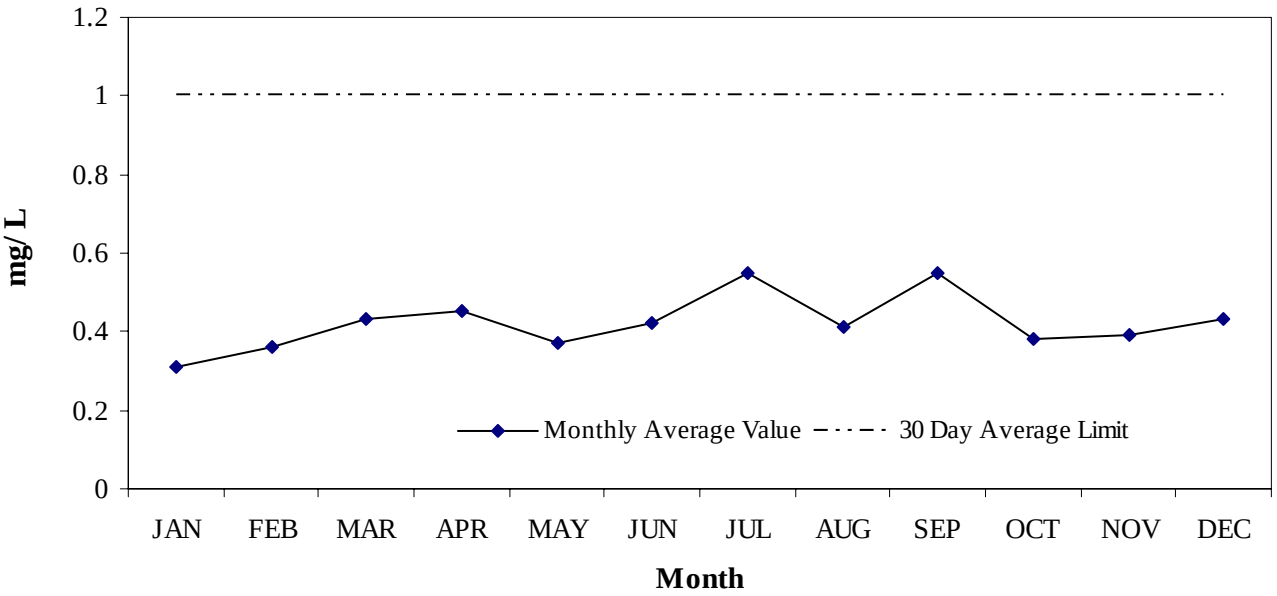
South Bay Reclaim Water
Magnesium



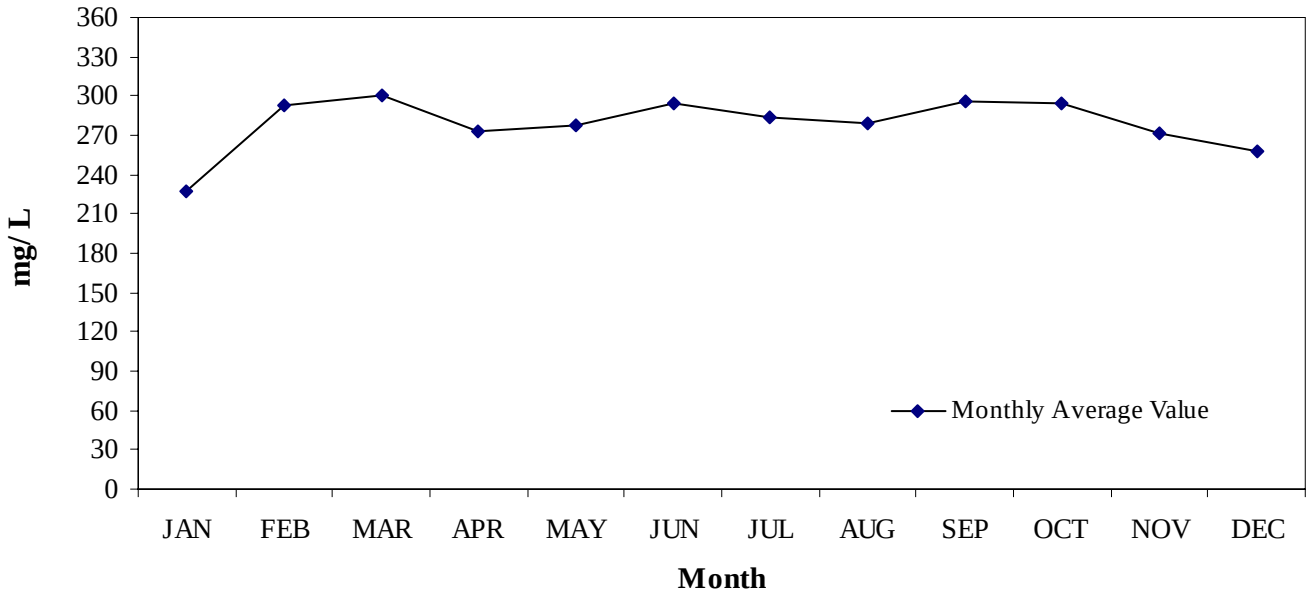
South Bay Reclaim Water
Sulfate



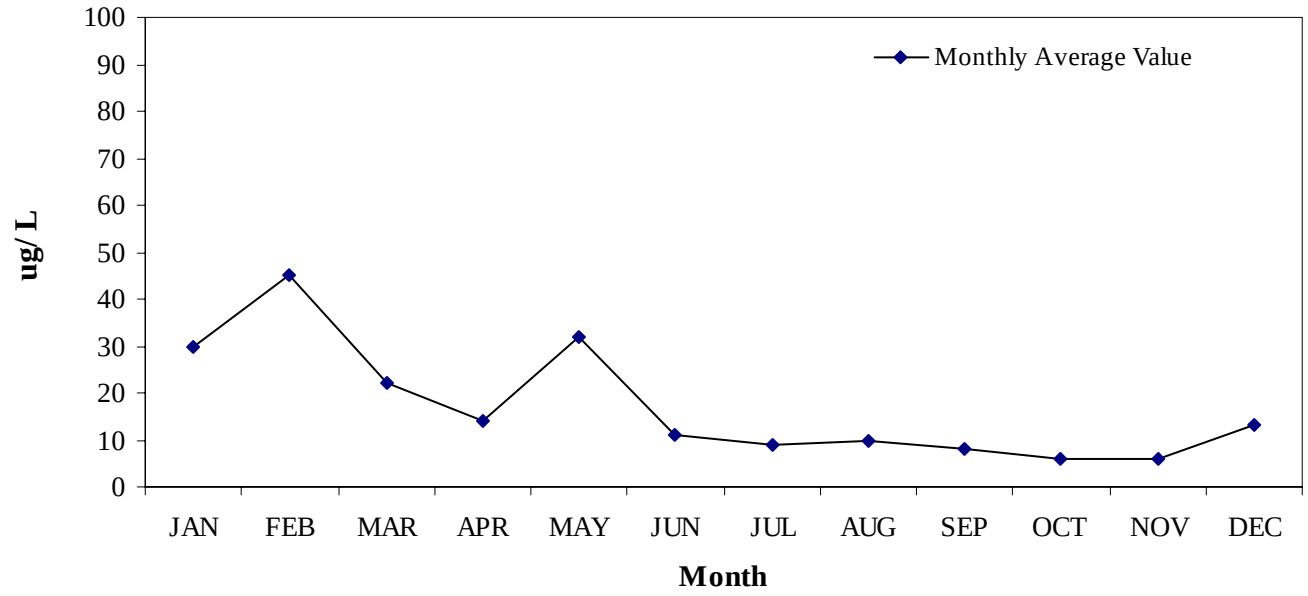
South Bay Reclaim Water
Flouride



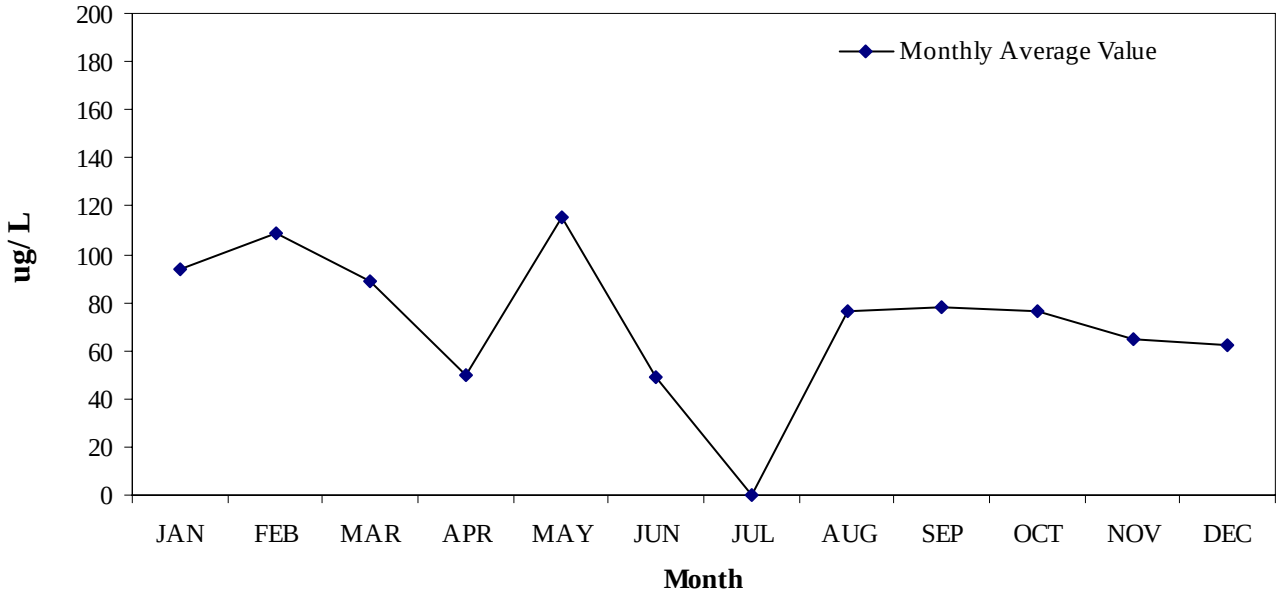
South Bay Reclaim Water
Total Hardness



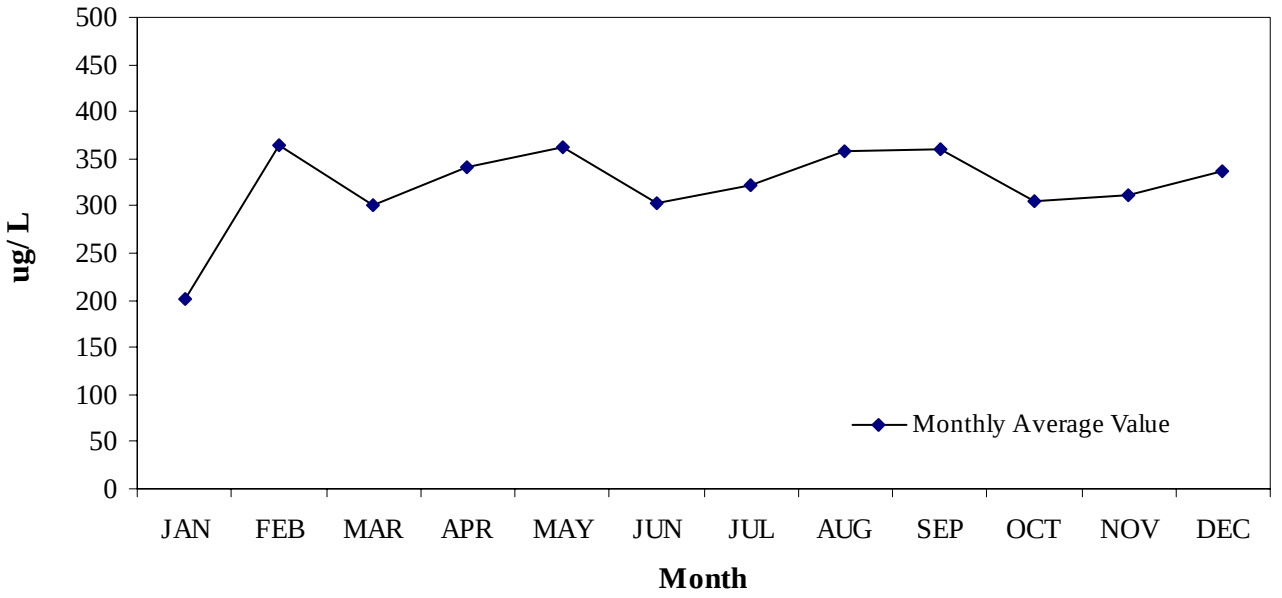
South Bay Reclaim Water
Manganese



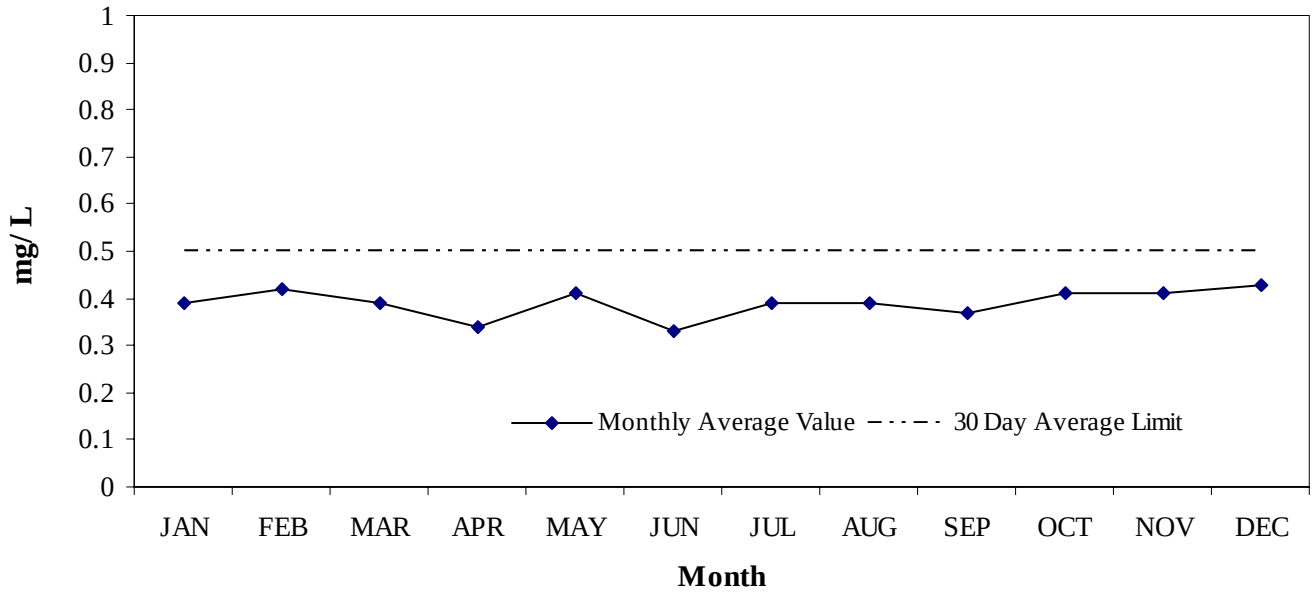
South Bay Reclaim Water
Iron



South Bay Reclaim Water
Boron



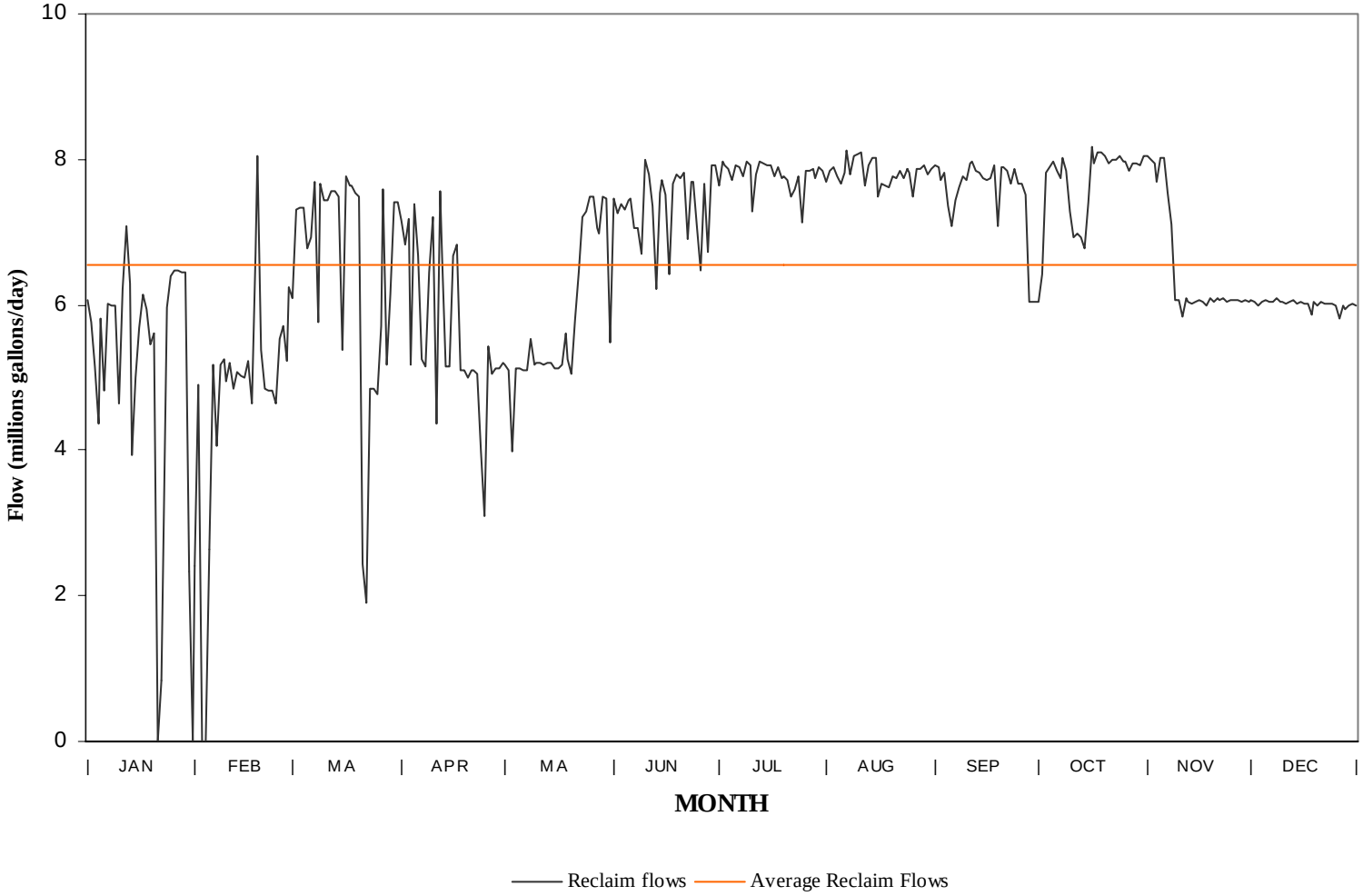
South Bay Reclaim Water
MBAS



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.

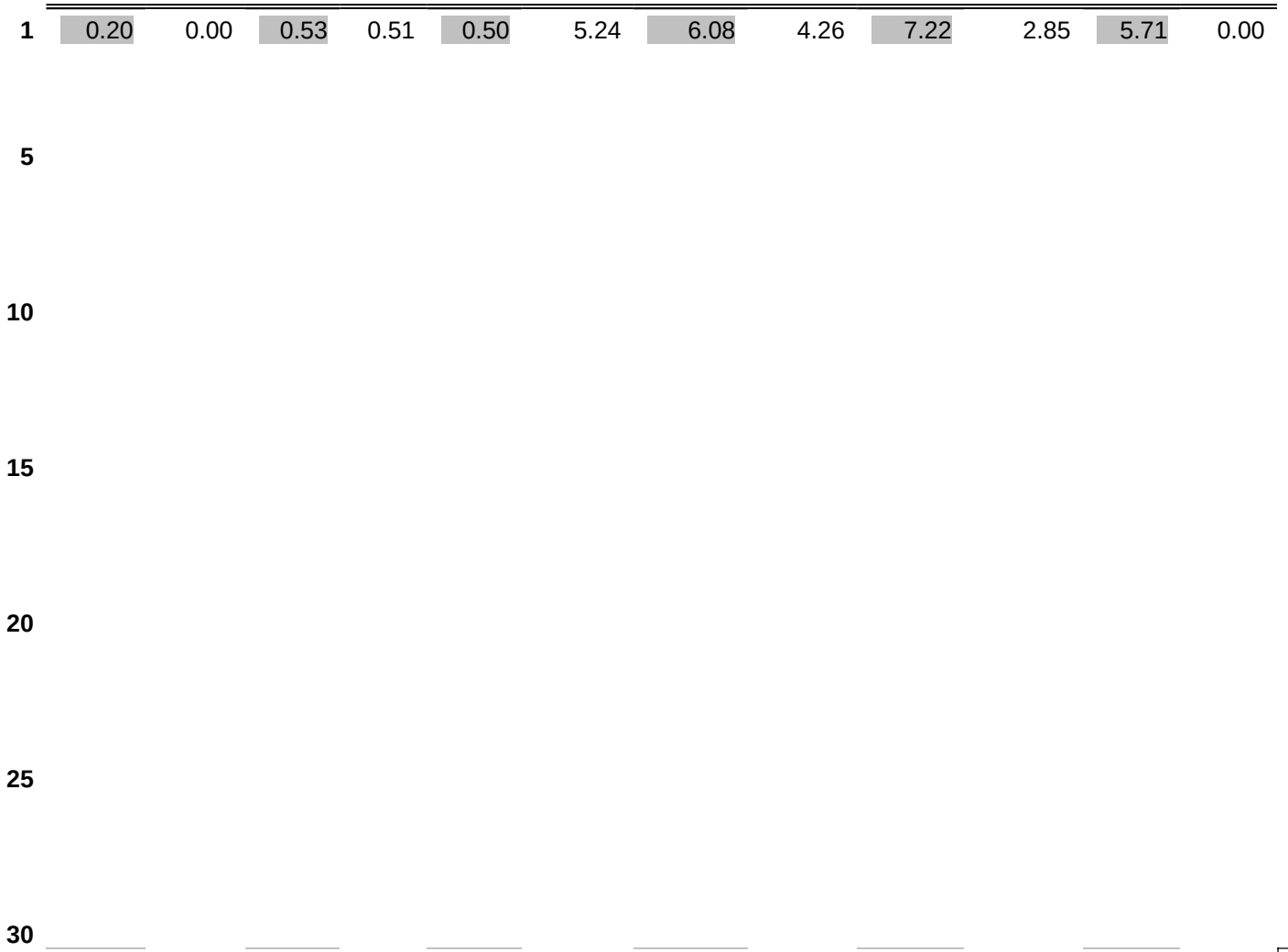
South Bay Wastewater Reclamation Plant
2007 Reclaim Flows



Daily Flows - Reclaim Water Produced 2007

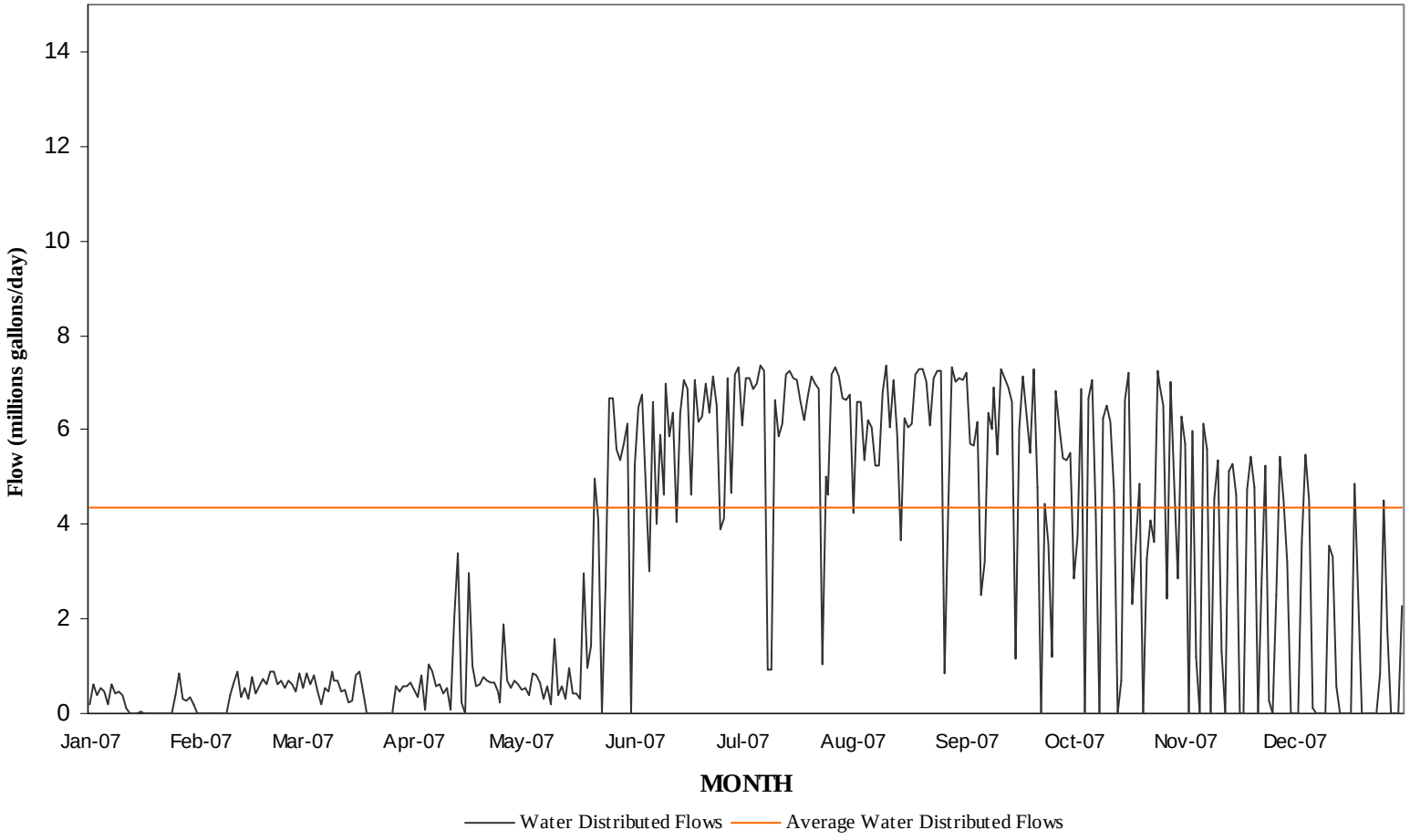
Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	6.06	2.40	6.10	7.16	5.19	7.45	7.64	7.69	7.91	6.05	8.05	6.07	
2	5.76	4.91	7.30	6.84	5.11	7.26	7.96	7.84	7.90	6.43	7.99	6.05	
3	5.15	0.01	7.34	7.19	3.98	7.38	7.92	7.89	7.71	7.82	7.94	6.00	
4	4.37	0.00	7.34	5.17	5.12	7.32	7.86	7.76	7.81	7.89	7.68	6.05	
5	5.81	2.65	6.78	7.38	5.12	7.43	7.71	7.67	7.35	7.97	8.03	6.07	
6	4.81	5.17	6.94	6.67	5.10	7.45	7.92	7.81	7.09	7.85	8.03	6.04	
7	6.01	4.06	7.69	5.25	5.10	7.06	7.89	8.13	7.43	7.73	7.55	6.03	
8	5.99	5.17	5.76	5.15	5.53	7.05	7.77	7.78	7.61	8.02	7.11	6.08	
9	5.98	5.25	7.67	6.45	5.18	6.70	7.96	8.05	7.76	7.85	6.06	6.04	
10	4.64	4.95	7.44	7.20	5.20	8.00	7.93	8.06	7.71	7.28	6.06	6.04	
11	6.21	5.20	7.44	4.36	5.20	7.79	7.29	8.10	7.95	6.93	5.84	6.01	
12	7.08	4.85	7.56	7.56	5.17	7.35	7.79	7.63	7.96	6.98	6.08	6.03	
13	6.29	5.07	7.56	6.67	5.21	6.23	7.97	7.93	7.83	6.94	6.05	6.06	
14	3.93	5.03	7.48	5.14	5.20	7.53	7.94	8.01	7.82	6.77	6.01	6.01	
15	5.01	5.00	5.38	5.15	5.12	7.71	7.93	8.02	7.75	7.40	6.05	6.04	
16	5.69	5.23	7.77	6.67	5.13	7.52	7.91	7.48	7.72	8.17	6.07	6.02	
17	6.13	4.65	7.64	6.82	5.19	6.43	7.77	7.66	7.75	7.94	6.04	6.02	
18	5.95	6.69	7.65	5.09	5.60	7.67	7.90	7.64	7.93	8.10	5.99	5.87	
19	5.45	8.04	7.53	5.10	5.25	7.79	7.73	7.61	7.07	8.09	6.08	6.05	
20	5.60	5.39	7.49	5.00	5.06	7.75	7.76	7.77	7.90	8.05	6.03	6.00	
21	0.00	4.85	2.43	5.11	5.78	7.82	7.71	7.75	7.89	7.95	6.09	6.05	
22	0.83	4.82	1.91	5.10	6.45	6.90	7.50	7.85	7.85	8.00	6.07	6.01	
23	2.56	4.82	4.86	5.05	7.22	7.70	7.58	7.74	7.66	8.00	6.09	6.01	
24	5.96	4.64	4.84	4.02	7.29	7.69	7.76	7.86	7.86	8.05	6.05	6.02	
25	6.40	5.53	4.76	3.09	7.49	7.07	7.14	7.81	7.67	7.98	6.07	5.98	
26	6.47	5.71	5.71	5.43	7.48	6.46	7.85	7.49	7.67	7.97	6.07	5.82	
27	6.46	5.23	7.58	5.06	7.05	7.66	7.85	7.88	7.52	7.83	6.07	6.00	
28	6.44	6.25	5.19	5.12	6.99	6.72	7.87	7.86	6.04	7.95	6.03	5.95	
29	6.44		6.15	5.13	7.48	7.93	7.74	7.91	6.04	7.94	6.06	6.00	
30	2.34		7.41	5.21	7.47	7.92	7.89	7.80	6.04	7.91	6.05	6.01	
31	0.00		7.40		5.48		7.83	7.86		8.05		6.00	Annual
Average	5.03	4.70	6.52	5.68	5.77	7.36	7.78	7.82	7.54	7.67	6.51	6.01	6.53
Minimum	0.00	0.00	1.91	3.09	3.98	6.23	7.14	7.48	6.04	6.05	5.84	5.82	0.00
Maximum	7.08	8.04	7.77	7.56	7.49	8.00	7.97	8.13	7.96	8.17	8.05	6.08	8.17
Total	155.82	131.57	202.10	170.34	178.94	220.74	241.27	242.34	226.20	237.89	195.39	186.43	2389.03

Daily Flows - Reclaim Water Distributed 2007



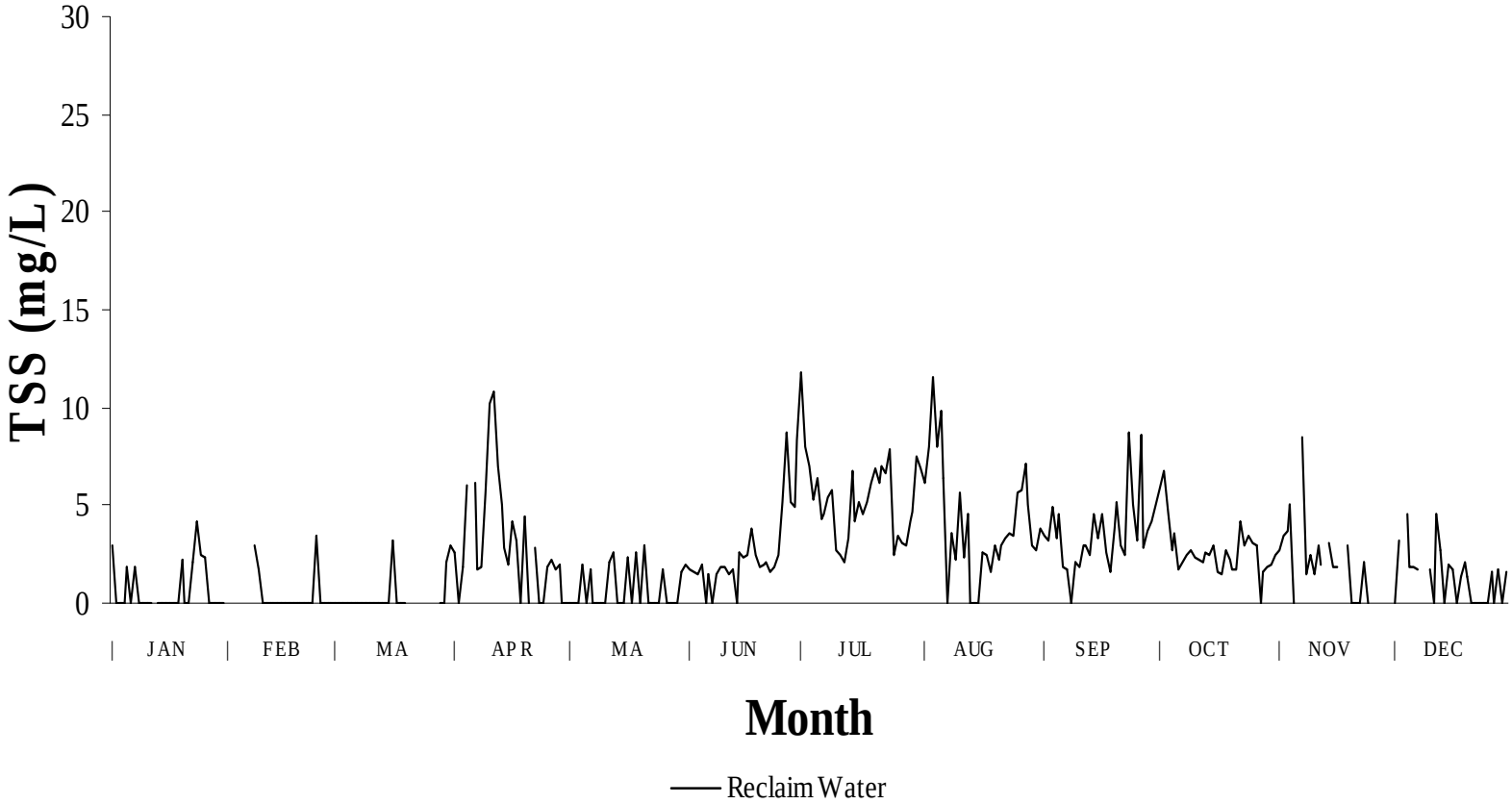
1	0.20	0.00	0.53	0.51	0.50	5.24	6.08	4.26	7.22	2.85	5.71	0.00	
5													
10													
15													
20													
25													
30													
31	0.00		0.66		0.00		6.75	7.05		6.29		2.26	Annual
Average	0.22	0.45	0.42	0.82	2.04	5.88	6.15	6.16	5.32	4.37	2.99	1.22	3.00
Minimum	0.00	0.00	0.00	0.00	0.00	3.00	0.93	0.85	0.00	0.00	0.00	0.00	0.40
Maximum	0.84	0.87	0.87	3.40	6.69	7.32	7.35	7.38	7.29	7.24	6.12	5.49	5.07
Total	6.80	12.48	13.17	24.65	63.11	176.33	190.75	190.90	159.73	135.48	89.77	37.85	91.75

South Bay Wastewater Reclamation Plant
2007 Reclaim Water Distributed Flows



South Bay Wastewater Reclamation Plant

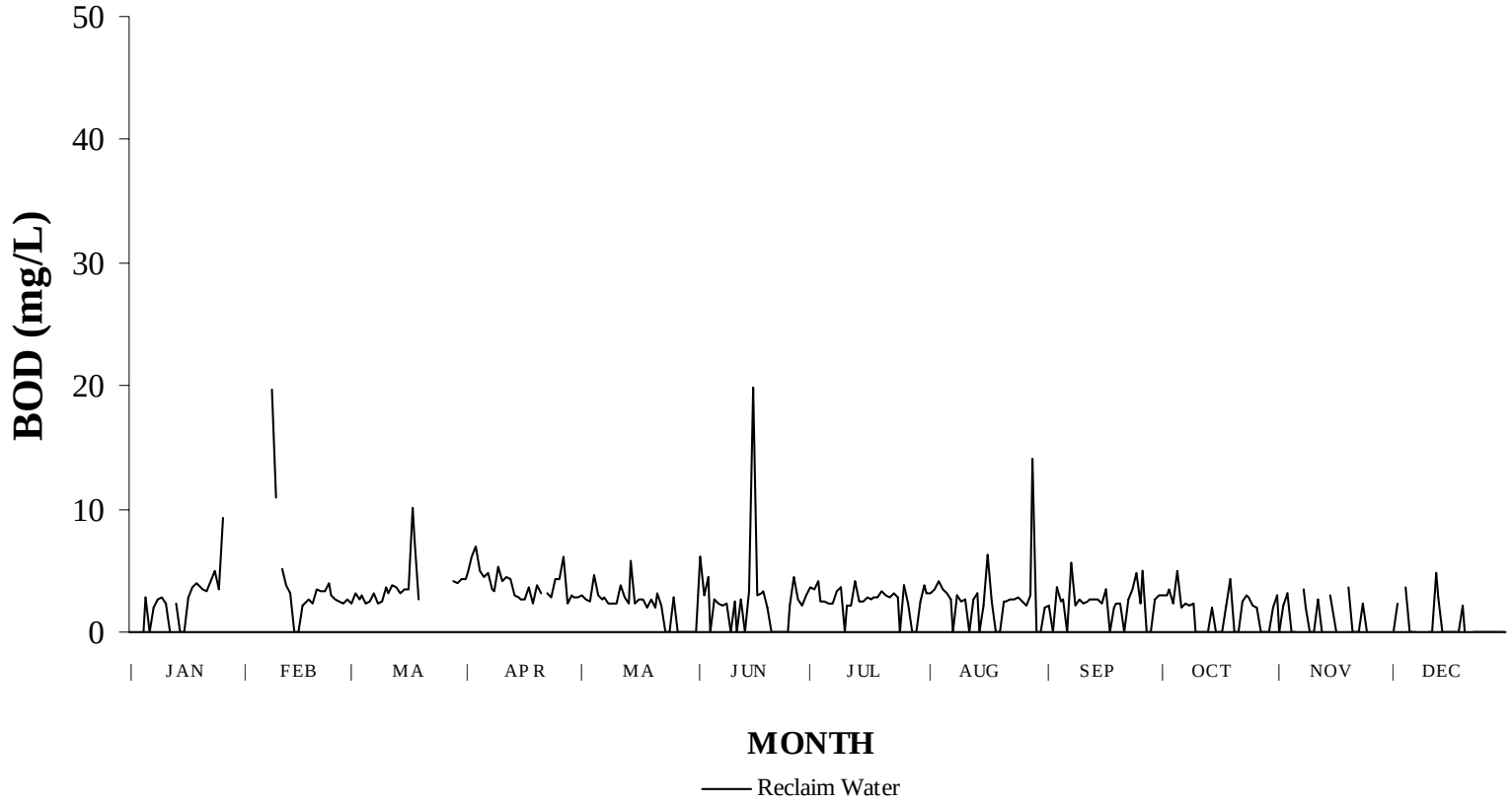
2007 Total Suspended Solids



Daily Reclaimed Water TSS Values 2007

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	2.9		ND	ND	ND	1.55	7	8	3.15	6.75	3.4	3.2	
2	ND		ND	1.9	ND	1.5	5.3	11.6	4.9	4.7	3.71		
3	ND		ND	6	2	2	6.4	8	3.3	2.7	4.98	4.5	
4	ND		ND		ND	ND	4.3	9.8	4.5	3.6	ND	1.8	
5	1.8		ND	6.2	1.7	1.5	4.5	6.43	1.9	1.7		1.9	
6	ND		ND	1.7	ND	ND	5.35	ND	1.7	2.1	8.5	1.7	
7	1.8	3	ND	1.9	ND	1.5	5.8	3.6	ND	2.4	1.5		
8	ND	1.7	ND	5.69	ND	1.9	2.65	2.2	2.05	2.7	2.5		
9	ND	ND	ND	10.2	ND	1.9	2.5	5.7	1.9	2.3	1.5	1.7	
10	ND	ND	ND	10.8	2.1	1.5	2.1	2.3	2.9	2.2	2.9	ND	
11	ND	ND	ND	7	2.6	1.7	3.3	4.6	3	2.1	2	4.5	
12		ND	ND	5	ND	ND	6.8	ND	2.5	2.6		2.7	
13	ND	ND	ND	2.8	ND	2.6	4.2	ND	4.5	2.5	3.1	ND	
14	<1.6	ND	ND	2	ND	2.3	5.2	ND	3.3	2.9	1.8	2	
15	ND	ND	3.2	4.2	2.3	2.5	4.5	2.6	4.6	1.6	1.8	1.7	
16	ND	ND	ND	3.2	ND	3.8	5.2	2.4	2.6	1.5		ND	
17	ND	ND	ND	ND	2.6	2.5	6.1	1.6	1.6	2.7		1.4	
18	ND	ND	ND	4.4	ND	1.9	6.9	2.9	3.8	2.2	2.9	2.1	
19	2.2	ND		ND	2.9	2	6.2	2.2	5.2	1.7	ND	1.4	
20	ND	ND			ND	2.1	7	3	2.9	1.75	ND	ND	
21	ND	ND		2.8	ND	1.6	6.63	3.3	2.5	4.2	ND	ND	
22	2.1	ND		ND	ND	1.9	7.88	3.6	8.67	3	2.1	ND	
23	4.13	3.4		ND	ND	2.5	2.5	3.5	5.1	3.4	ND	ND	
24	2.5	ND		1.9	1.7	5.2	3.4	5.7	3.2	3.1		ND	
25	2.3	ND		2.2	ND	8.7	3.1	5.8	8.57	3		1.6	
26	ND	ND		1.7	ND	5.2	2.9	7.14	2.8	ND		ND	
27	ND	ND	ND	2	ND	4.9	4.19	5.1	3.7	1.6		1.7	
28	ND	ND	ND	ND	ND	8.3	4.63	3	4.2	1.9	ND	ND	
29	ND		2.1	ND	1.6	11.8	7.5	2.7	5.1	2		1.65	
30	ND		3	ND	2	7.96	6.86	3.8	5.9	2.4	ND	ND	
31			2.6		1.7		6.2	3.5		2.7		1.5	Annual
Ave	2.47	2.70	2.73	4.18	2.11	3.44	5.07	4.60	3.79	2.67	3.05	2.18	3.25
Min	1.80	1.70	2.10	1.70	1.60	1.50	2.10	1.60	1.60	1.50	1.50	1.40	1.40
Max	4.13	3.40	3.20	10.80	2.90	8.70	7.88	11.60	8.67	6.75	8.50	4.50	11.60
Tot	19.73	8.10	10.90	83.59	23.20	73.05	157.09	124.07	110.04	80.00	42.69	37.05	769.51

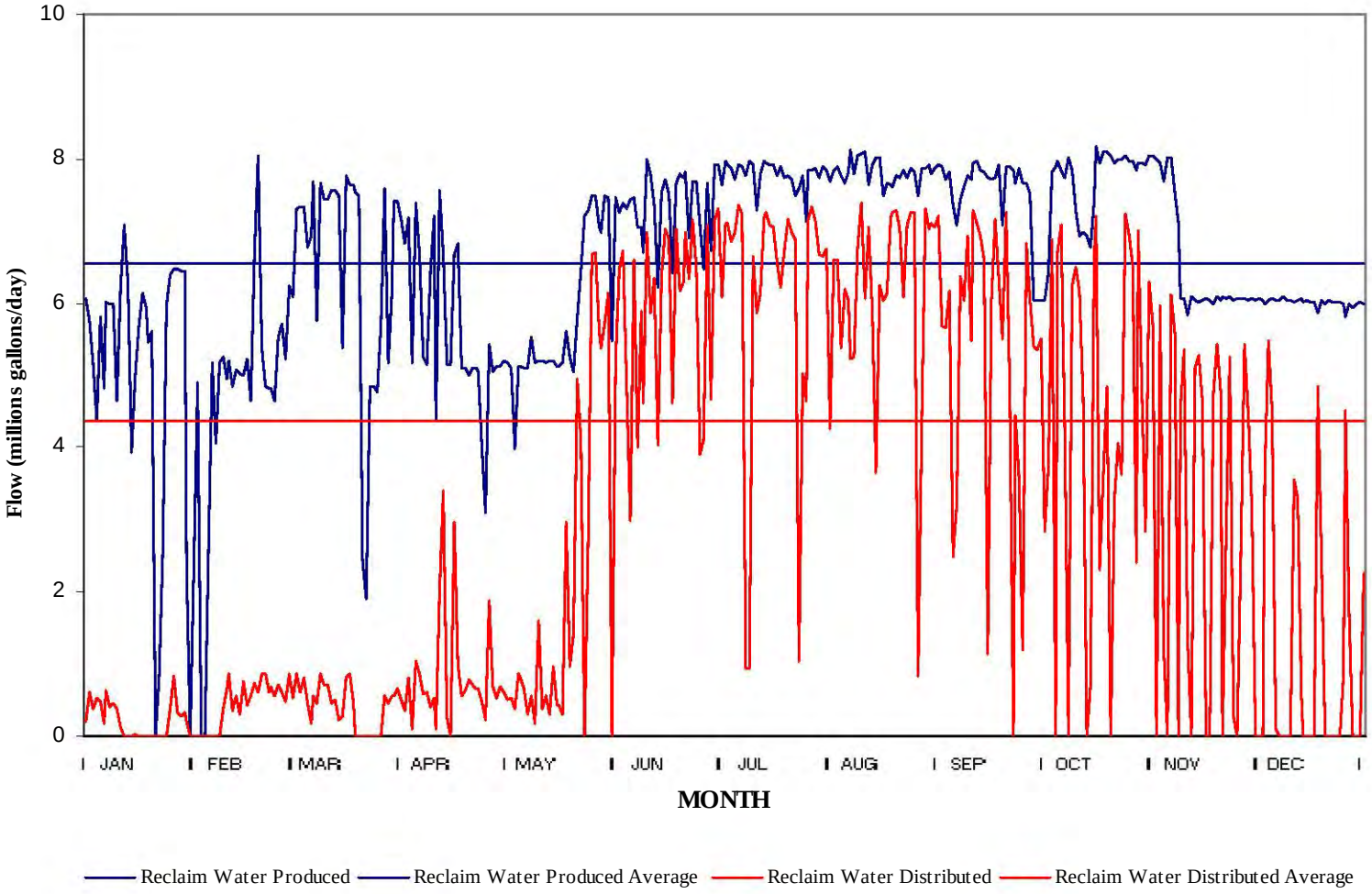
South Bay Wastewater Reclamation Plant
2007 Biochemical Oxygen Demand



Daily BOD Values 2007

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1			3.2	6.08	2.65	3.04	4.19	3.47	ND	3.05	2.07	2.25	
2			2.64	7.01	2.55	4.49	2.55	4.22	3.72	3.41	3.15		
3			2.9	4.91	4.58	ND	2.48	3.41	2.51	2.28	ND	3.64	
4	ND		2.24	4.39	2.92	2.7	2.33	3.22	2.66	5.03	ND	ND	
5	2.86		2.43	4.85	2.61	2.38	2.4	2.71	ND	2.03		ND	
6	ND		3.15	3.41	2.79	2.12	3.25	ND	5.69	2.24	3.54	ND	
7	2	19.7	2.31	3.26	2.31	2.29	3.72	2.95	2.22	2.14	2.01		
8	2.68	11	2.41	5.37	2.4	ND	ND	2.54	2.58	2.27	ND		
9	2.75		3.69	4.17	2.31	2.41	2.12	2.63	2.38	ND	ND	ND	
10	2.25	5.2	3.13	4.55	3.79	ND	2.08	ND	2.53	ND	2.65	ND	
11	ND	3.75	3.76	4.26	2.75	2.73	4.1	2.69	2.65	ND	ND	4.84	
12		3.19	3.59	3	2.39	ND	2.55	3.07	2.58	ND		2.82	
13	2.3	ND	3.12	2.8	5.72	3.37	2.48	ND	2.59	2.06	3.03	ND	
14	ND	ND	3.5	2.62	2.37	19.9	2.78	2.11	2.32	ND	2.03	ND	
15	ND	2.08	3.47	2.58	2.73	3.06	2.64	6.27	3.44	ND	ND	ND	
16	2.75	2.34	10.1	3.61	2.66	3.15	2.75	2.46	ND	ND		ND	
17	3.67	2.6	7.3	2.32	2.06	3.32	2.77	ND	2.01	2.21		ND	
18	3.92	2.38	2.73	3.77	2.6	2	3.36	ND	2.4	4.26	3.62	2.15	
19	3.8	3.46		3.13	2	ND	3	2.44	2.37	ND	ND	ND	
20	3.46	3.33			3.09	ND	2.89	2.53	ND	ND	ND		
21	3.23	3.23		3.21	2.23	ND	3.09	2.71	2.63	2.45	ND	ND	
22	4.13	3.91		2.89	ND	ND	2.84	2.62	3.41	2.97	2.25	ND	
23	4.95	3.01		4.3	ND	ND	ND	2.75	4.75	2.76	ND	ND	
24	3.48	2.62		4.33	2.87	2.11	3.76	2.5	2.25	2.12		ND	
25	9.27	2.47		6.13	ND	4.48	2.33	2.23	4.93	2.04		ND	
26		2.39		2.39	ND	2.66	ND	2.99	ND	ND		ND	
27		2.72	4.1	2.96	ND	2.12	ND	14.1	ND	ND		ND	
28		2.35	3.93	2.86	ND	3.03	2.44	ND	2.69	ND	2.00	ND	
29			4.35	2.83	ND	3.67	3.87	ND	2.93	2.06		ND	
30	7.46		4.34	2.94	ND	3.45	3.21	2.06	3.03	2.97	ND	ND	
31			4.72		6.05		3.21	2.11		ND		ND	Annual
Ave	3.82	4.30	3.79	3.83	2.98	3.74	2.55	2.61	2.38	1.56	1.25	0.58	2.78
Min	2.00	2.08	2.24	2.32	2.00	2.00	2.08	2.06	2.01	2.03	2.00	2.15	2.00
Max	9.27	19.70	10.10	7.01	6.05	19.90	4.19	14.10	5.69	5.03	3.62	4.84	19.90

South Bay Wastewater Reclamation Plant
2007 Reclaim Water Produced and Distributed Flows



D. Total Coliform Data Summaries

South Bay Water Reclamation Plant

2007 Total Coliform Density (MPN/100mL)

	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
Day	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median
1	8	4	NS	4	<2	<2	<2	<2	4	<2	13	2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
2	<2	2	NS	4	<2	<2	7	2	2	<2	*<1.8	2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
3	2	2	NS	4	2	<2	13	2	<2	<2	<1.8	2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	2.0	<1.8	<1.8	<1.8	<1.8	<1.8
4	<2	<2	NS	4	<2	<2	<2	2	<2	<2	<1.8	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
5	<2	<2	NS	4	<2	<2	<2	<2	<2	<2	<1.8	<1.8	9.3	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
6	<2	<2	NS	4	<2	<2	2	2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
7	8	<2	<2	2	<2	<2	<2	<2	2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	2.0	<1.8	<1.8	<1.8	<1.8	<1.8	2.0	<1.8
8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
9	2	<2	<2	<2	<2	<2	80	<2	2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	2.0	<1.8	<1.8	<1.8
10	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
11	33	2	<2	<2	<2	<2	4	<2	<2	<2	<1.8	<1.8	6.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
12	2	2	4	<2	<2	<2	4	<2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
13	<2	2	4	<2	<2	<2	<2	<2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
14	80	2	<2	<2	<2	<2	<2	<2	<2	<2	2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
15	<2	2	<2	<2	<2	<2	13	4	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	2.0	<1.8	<1.8	<1.8
16	<2	2	<2	<2	<2	<2	2	2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
17	<2	<2	<2	<2	170	<2	<2	2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
18	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1.8	<1.8	<1.8	<1.8	2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
19	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
21	NS	<2	<2	<2	<2	<2	2	<2	2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
22	NS	<2	<2	<2	NS	<2	2	<2	2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
23	NS	<2	30	<2	30	<2	<2	<2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
24	7	<2	<2	<2	70	<2	2	<2	2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	13.0	<1.8	<1.8	<1.8	<1.8	<1.8
25	6	<2	4	<2	13	<2	NS	<2	<2	<2	2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
26	4	<2	<2	<2	<2	<2	17	2	<2	<2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
27	<2	<2	<2	<2	2	2	<2	2	2	2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	49.0	<1.8	<1.8	<1.8	<1.8	<1.8
28	2	2	2	<2	<2	2	<2	2	2	2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
29	8	4			14	13	<2	<2	4	2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
30	<2	4			<2	2	<2	<2	<2	2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
31	NS	4			2	2			2	2			<1.8	<1.8	<1.8	<1.8			<1.8	<1.8			<1.8	<1.8

* New method detection limit based on the 21st edition of Standard Method

E. UV Performance 2007

UV PERFORMANCE REPORT
CY 2007

Monthly Averages

Date	UV TRANSMITTANCE	UV DOSE	BANK 1 POWER	BANK 2 POWER	BANK 3 POWER	BANK 4 POWER
	pct	mj/cm2	pct	pct	pct	pct
Jan-07	69.00	162.74	39.52	43.76	48.96	42.74
Feb-07	66.30	166.36	34.78	34.40	42.53	51.37
Mar-07	66.17	163.98	54.69	50.81	59.63	59.30
Apr-07	65.21	163.91	47.93	51.67	55.04	55.10
May-07	67.16	163.91	51.05	49.42	47.80	53.48
Jun-07	71.57	164.59	55.67	53.46	57.19	57.66
Jul-07	70.77	164.25	60.60	55.08	58.34	60.40
Aug-07	69.74	162.23	60.98	57.31	58.24	60.77
Sep-07	70.37	163.63	59.08	60.41	61.04	58.06
Oct-07	70.55	164.23	62.15	58.72	59.66	61.85
Nov-07	72.10	165.64	51.54	47.30	48.50	51.65
Dec-07	72.00	165.48	49.50	45.69	46.97	49.48
Average	69.25	164.25	52.29	50.67	53.66	55.16