

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. Reclaimed 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 - 2008

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	0.64	0.57	0.77	0
Feb	0.91	0.80	1.26	0
Mar	0.83	0.66	1.48	0
Apr	0.54	0.42	1.10	0.01
May	0.78	0.61	2.73	0.04
Jun	0.59	0.34	5.10	0.05
Jul	0.39	0.21	5.13	0.14
Aug	0.81	0.52	3.93	0.03
Sep	0.66	0.53	2.31	0.01
Oct	0.57	0.49	0.70	0
Nov	0.68	0.51	1.97	0.02
Dec	0.61	0.44	1.32	0.01
Average:	0.66			

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
RECLAIMED WATER ANNUAL SUMMARY

From 01-JAN-2008to 31-DEC-2008

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 -2008	6.22	7.36	<2.0	<1.4	ND	888
FEBRUARY -2008	6.50	7.33	<2.0	<1.4	<1.6	955
MARCH -2008	4.38	7.32	3.0	<1.4	<1.6	916
APRIL -2008	2.87	7.37	<2.0	<1.4	<1.6	881
MAY -2008	1.86	7.48	<2.0	<1.4	<1.6	863
JUNE -2008	1.10	7.52	2.0	<1.4	<1.6	950
JULY -2008	0.86	7.47	2.2	4.4	3.9	969
AUGUST -2008	0.56	7.53	<2.0	3.2	2.7	948
SEPTEMBER-2008	1.19	7.47	<2.0	2.6	2.0	961
OCTOBER -2008	1.78	7.43	<2.0	<1.4	<1.6	932
NOVEMBER -2008	5.03	7.42	2.2	1.6	<1.6	885
DECEMBER -2008	6.07	7.32	<2.0	<1.4	<1.6	889
Average	3.20	7.42	0.8	1.0	0.7	920

	Turbidity (NTU)
JANUARY -2008	1.81
FEBRUARY -2008	0.97
MARCH -2008	1.27
APRIL -2008	1.02
MAY -2008	1.08
JUNE -2008	1.02
JULY -2008	0.84
AUGUST -2008	0.97
SEPTEMBER-2008	2.31
OCTOBER -2008	1.28
NOVEMBER -2008	2.28
DECEMBER -2008	0.92
Average	1.31

Nd=not detected; NS=not sampled; NA=not analyzed.

SOUTH BAY WATER RECLAMATION PLANT
RECLAIMED WATER ANNUAL SUMMARY

From 01-JAN-2008 to 31-DEC-2008

Source: Analytes	MDL Units	SB_REC_WATER_34 12-FEB-2008	SB_REC_WATER_34 13-FEB-2008	SB_REC_WATER_34 13-MAY-2008	SB_REC_WATER_34 14-MAY-2008
Ammonia-N	.3 MG/L	ND	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	ND	NR	2.9	NR
Hexane Extractable Material	1.2 MG/L	NR	3.0	NR	4.0
Conductivity	10 UMHOS/CM	NR	NR	1410	NR
MBAS (Surfactants)	.03 MG/L	0.5	NR	0.4	NR
pH (grab)	PH	NR	7.3	NR	7.5
Total Alkalinity (bicarbonate)	20 MG/L	163	NR	168	NR
Total Dissolved Solids	28 MG/L	945	NR	886	NR
Total Suspended Solids	1.4 MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6 MG/L	1.7	NR	ND	NR
Turbidity	.13 NTU	1.0	NR	1.1	NR

Source: Analytes	MDL Units	SB_REC_WATER_34 12-AUG-2008	SB_REC_WATER_34 13-AUG-2008	SB_REC_WATER_34 07-OCT-2008
Ammonia-N	.3 MG/L	0.4	NR	ND
BOD (Biochemical Oxygen Demand)	2 MG/L	2.1	NR	ND
Hexane Extractable Material	1.2 MG/L	1.6	NR	1.8
Conductivity	10 UMHOS/CM	1520	NR	NR
MBAS (Surfactants)	.03 MG/L	0.5	NR	0.5
pH (grab)	PH	NR	7.4	7.3
Total Alkalinity (bicarbonate)	20 MG/L	166	NR	165
Total Dissolved Solids	28 MG/L	960	NR	949
Total Suspended Solids	1.4 MG/L	2.0	NR	ND
Volatile Suspended Solids	1.6 MG/L	1.6	NR	ND
Total Kjeldahl Nitrogen	1.6 MG/L	1.9	NR	ND
Turbidity	.13 NTU	1.0	NR	0.9

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

SOUTH BAY WATER RECLAMATION PLANT
RECLAIMED WATER ANNUAL SUMMARY

Metals

From: 01-JAN-2008 To: 31-DEC-2008

Source: SB_REC_WATER_34

	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 -2008	NR	NR	NR	NR	NR	336
FEBRUARY -2008	177	ND	0.66	54.4	ND	139
MARCH -2008	ND	ND	NR	54.5	ND	333
APRIL -2008	NR	NR	NR	NR	NR	319
MAY -2008	178	ND	0.77	52.2	ND	360
JUNE -2008	NR	NR	NR	NR	NR	309
JULY -2008	NR	NR	NR	NR	NR	320
AUGUST -2008	119	ND	0.56	56.9	ND	379
SEPTEMBER-2008	NR	NR	NR	NR	NR	328
OCTOBER -2008	132	ND	0.51	61.3	ND	363
NOVEMBER -2008	122	ND	NR	57.7	ND	360
DECEMBER -2008	NR	NR	NR	NR	NR	336
Annual Average:	121	ND	0.63	56.2	ND	324

	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 -2008	NR	NR	NR	ND	18.9	NR
FEBRUARY -2008	ND	ND	6.3	93	16.9	ND
MARCH -2008	ND	ND	17.3	104	31.3	NR
APRIL -2008	NR	NR	NR	93	19.0	NR
MAY -2008	ND	ND	12.6	125	17.2	ND
JUNE -2008	NR	NR	NR	93	18.7	NR
JULY -2008	NR	NR	NR	77	11.8	NR
AUGUST -2008	ND	1.40	13.7	37	17.3	ND
SEPTEMBER-2008	NR	NR	NR	73	15.7	NR
OCTOBER -2008	ND	ND	9.7	ND	16.1	ND
NOVEMBER -2008	ND	2.40	13.4	58	18.3	NR
DECEMBER -2008	NR	NR	NR	ND	21.3	NR
Annual Average:	ND	0.63	12.2	63	18.5	ND

	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 -2008	NR	NR	NR	223	0.38	189
FEBRUARY -2008	2.19	0.75	ND	251	0.54	195
MARCH -2008	4.06	NR	ND	246	0.51	195
APRIL -2008	NR	NR	NR	238	0.61	199
MAY -2008	3.98	0.43	ND	218	0.51	183
JUNE -2008	NR	NR	NR	222	0.53	190
JULY -2008	NR	NR	NR	235	0.56	191
AUGUST -2008	4.66	0.32	ND	246	0.53	198
SEPTEMBER-2008	NR	NR	NR	241	0.60	200
OCTOBER -2008	4.43	0.43	ND	232	0.47	205
NOVEMBER -2008	5.49	NR	ND	236	0.50	207
DECEMBER -2008	NR	NR	NR	242	0.53	208
Annual Average:	4.14	0.48	ND	236	0.52	197

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

SOUTH BAY WATER RECLAMATION PLANT
RECLAIMED WATER ANNUAL SUMMARY

Metals

From: 01-JAN-2008 To: 31-DEC-2008

Source: SB_REC_WATER_34

	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 -2008	NR	NR	NR	NR	NR	336
FEBRUARY -2008	177	ND	0.66	54.4	ND	139
MARCH -2008	ND	ND	NR	54.5	ND	333
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MAY -2008	178	ND	0.77	52.2	ND	360
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Annual Average:	121	ND	0.63	56.2	ND	324

	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 -2008	NR	NR	NR	ND	18.9	NR
FEBRUARY -2008	ND	ND	6.3	93	16.9	ND
MARCH -2008	ND	ND	17.3	104	31.3	NR
APRIL -2008	NR	NR	NR	93	19.0	NR
MAY -2008	ND	ND	12.6	125	17.2	ND
JUNE -2008	NR	NR	NR	93	18.7	NR
JULY -2008	NR	NR	NR	77	11.8	NR
AUGUST -2008	ND	1.40	13.7	37	17.3	ND
SEPTEMBER-2008	NR	NR	NR	73	15.7	NR
OCTOBER -2008	ND	ND	9.7	ND	16.1	ND
NOVEMBER -2008	ND	2.40	13.4	58	18.3	NR
DECEMBER -2008	NR	NR	NR	ND	21.3	NR
Annual Average:	ND	0.63	12.2	63	18.5	ND

	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 -2008	NR	NR	NR	223	0.38	189
FEBRUARY -2008	2.19	0.75	ND	251	0.54	195
MARCH -2008	4.06	NR	ND	246	0.51	195
APRIL -2008	NR	NR	NR	238	0.61	199
MAY -2008	3.98	0.43	ND	218	0.51	183
JUNE -2008	NR	NR	NR	222	0.53	190
JULY -2008	NR	NR	NR	235	0.56	191
AUGUST -2008	4.66	0.32	ND	246	0.53	198
SEPTEMBER-2008	NR	NR	NR	241	0.60	200
OCTOBER -2008	4.43	0.43	ND	232	0.47	205
NOVEMBER -2008	5.49	NR	ND	236	0.50	207
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Annual Average:	4.14	0.48	ND	236	0.52	197

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

SOUTH BAY WATER RECLAMATION PLANT
RECLAIMED WATER ANNUAL SUMMARY
Metals

From: 01-JAN-2008 To: 31-DEC-2008

	Total Cyanides	MBAS (surfactants)	Percent Sodium Calculated %	Calcium	Magnesium	Potassium
MDL:	.002	.03		.04	.1	.3
Units:	MG/L	MG/L		MG/L	MG/L	MG/L
JANUARY -2008	NR	0.18	55.9	67.3	27.0	17.1
FEBRUARY -2008	ND	0.46	56.4	77.2	32.1	17.9
MARCH -2008	NR	0.21	56.6	74.7	30.6	17.8
APRIL -2008	NR	0.26	56.5	74.9	30.8	18.0
MAY -2008	0.0025	0.40	56.4	69.4	29.7	20.6
JUNE -2008	NR	0.16	56.3	62.5	26.3	16.9
JULY -2008	NR	0.13	56.2	65.4	29.3	17.1
AUGUST -2008	0.0026	0.46	56.6	68.8	32.4	20.1
SEPTEMBER-2008	NR	0.20	57.2	57.2	27.6	15.9
OCTOBER -2008	0.0025	0.46	48.8	83.2	37.1	23.7
NOVEMBER -2008	NR	0.28	54.7	61.4	27.3	17.9
DECEMBER -2008	NR	0.25	57.0	64.3	25.1	16.6
Annual Average:	0.0019	0.29	55.7	68.9	29.6	18.3

	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 -2008	175	168	111	279	888	0.03
FEBRUARY -2008	207	193	132	325	955	0.03
MARCH -2008	201	187	125	312	916	0.03
APRIL -2008	201	187	126	313	881	0.03
MAY -2008	191	174	122	296	863	0.03
JUNE -2008	169	156	108	264	950	0.03
JULY -2008	180	164	120	284	969	0.03
AUGUST -2008	198	172	133	305	948	0.03
SEPTEMBER-2008	170	143	113	256	961	0.03
OCTOBER -2008	234	208	152	360	932	0.04
NOVEMBER -2008	160	154	112	266	885	0.03
DECEMBER -2008	174	161	103	264	889	0.03
Annual Average:	188	172.3	121	294	920	0.03

	Cobalt	Molybdenum	Vanadium	Nitrate	Ortho 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 -2008	NR	NR	NR	29.6	NR	139
FEBRUARY -2008	0.95	3.20	ND	24.4	2.79	163
MARCH -2008	ND	3.70	ND	20.5	5.18	167
APRIL -2008	NR	NR	NR	27.0	NR	159
MAY -2008	ND	3.30	0.7	31.9	5.53	168
JUNE -2008	NR	NR	NR	30.7	NR	161
JULY -2008	NR	NR	NR	29.5	NR	170
AUGUST -2008	ND	4.48	ND	30.2	9.79	166
SEPTEMBER-2008	NR	NR	NR	29.0	NR	167
OCTOBER -2008	ND	3.01	ND	31.7	8.47	165
NOVEMBER -2008	ND	3.26	ND	9.4	10.60	181
DECEMBER -2008	NR	NR	NR	34.3	3.25	153
Annual Average:	0.158	3.49	0.117	27.4	6.52	163

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

SOUTH BAY WATER RECLAMATION PLANT
RECLAIMED WATER ANNUAL SUMMARY

Radioactivity

From: 01-JAN-2008 To: 31-DEC-2008

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
SB_REC_WATER_34	12-FEB-2008	P414587	1.1±0.8	14.4±3.4
SB_REC_WATER_34	13-MAY-2008	P424876	1.1±0.8	21.7±5.6
SB_REC_WATER_34	12-AUG-2008	P435102	1.2±1.5	17.2±3.7
SB_REC_WATER_34	07-OCT-2008	P443504	0.8±1.2	18.6±3.7

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

Units in picocuries per Liter (pCi/L)

SOUTH BAY WATER RECLAMATION PLANT
RECLAIMED WATER ANNUAL SUMMARY

Chlorinated Pesticides

From: 01-JAN-2008 To: 31-DEC-2008

Source: SB_REC_WATER_34

Analyte	MDL	Units	12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
			P414587	P424876	P435102	P443504
=====	=====	=====	=====	=====	=====	=====
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	14	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	12	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	6	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	6	0
Hexachlorocyclohexanes	7	NG/L	0	0	26	0
Aldrin + Dieldrin	7	NG/L	0	0	0	0
=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	4000	NG/L	0	0	32	0

NA= Not Analyzed, ND= Not Detected

South Bay Water Reclamation Plant
RECLAIMED WATER ANNUAL SUMMARY

Organo-Phosphorous

From 01-JAN-2008 to 31-DEC-2008

Source: SB_REC_WATER_34

Analyte	MDL Units	13-MAY-2008	07-OCT-2008
		P424876	P443504
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	0.000
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	ND
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
RECLAIMED WATER ANNUAL SUMMARY

Organotin

From 01-JAN-2008 to 31-DEC-2008

Source: SB_REC_WATER_34

Analyte	MDL	Units	12-FEB-2008 P414587	13-MAY-2008 P424876	12-AUG-2008 P435102	07-OCT-2008 P443504
Tributyltin	2	UG/L	ND	ND	ND	ND
Dibutyltin	7	UG/L	ND	ND	ND	ND
Monobutyltin	16	UG/L	ND	ND	ND	ND

NA= Not Analyzed

ND= Not Detected

South Bay Water Reclamation Plant
RECLAIMED WATER ANNUAL SUMMARY

Phenols

From 01-JAN-2008 to 31-DEC-2008

Source: SB_WATER_REC_34

Analyte	MDL	Units	12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
			P414587	P424876	P435102	P443504
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	2.01	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	1.67	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	2.20	ND
Total Non-Chlorinated Phenols			6.07	0.00	2.20	0.00
Total Chlorinated Phenols			5.87	0.00	0.00	0.00
Total Phenols			6.07	0.00	2.20	0.00
2-methylphenol	2.15	UG/L	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND	ND	NA
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
RECLAIMED WATER ANNUAL SUMMARY

Base/Neutrals

From 01-JAN-2008 to 31-DEC-2008

Source:SB_REC_WATER_34

Analyte	MDL	Units	12-FEB-2008	13-MAY-2008	12-AUG-2008	07-OCT-2008
			P414587	P424876	P435102	P443504
1,2,4-trichlorobenzene	1.52	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	1.25	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	9.9
Benzenidine	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	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	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	9.9
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

* = Results are below Lower Control Limits in the INT CHK and both spiked samples.

NA= Not Analyzed ,ND= Not Detected

SOUTH BAY WASTEWATER TREATMENT PLANT
RECLAIMED WATER ANNUAL SUMMARY
Priority Pollutants Purgeable Compounds, EPA Method 624 Report

From 01-JAN-2008 to 31-DEC-2008

Source: SB_REC_WATER_34

Analyte	MDL	Units	13-FEB-2008 P414590	14-MAY-2008 P424879	12-AUG-2008 P435105	07-OCT-2008 P443507
Dichlorodifluoromethane		UG/L	ND	ND	ND	ND
Chloromethane	1	UG/L	ND	ND	1.3	0.7
Vinyl chloride	1	UG/L	ND	ND	ND	ND
Bromomethane	1	UG/L	ND	ND	ND	ND
Chloroethane	1	UG/L	ND	ND	<0.9	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	0.6	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	8.2	11.7	22.3	16.8
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	6.3	7.1	17.6	11.9
2-chloroethylvinyl ether	1.1	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	1.1	UG/L	ND	ND	ND	ND
Dibromochloromethane	1	UG/L	3.9	3.3	8.3	5.2
Chlorobenzene	1	UG/L	ND	ND	ND	ND
Ethylbenzene	1	UG/L	ND	ND	ND	ND
Bromoform	1	UG/L	ND	ND	ND	<0.5
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	0.8*	0.6*
1,2-dichlorobenzene	1	UG/L	ND	ND	0.9*	ND
Halomethane Purgeable Cmpnds	1	UG/L	0.0	0.0	1.3	0.7
Total Dichlorobenzenes	1	UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	1	UG/L	8.2	12.3	23.6	17.5
Purgeable Compounds	13.8	UG/L	18.4	22.7	49.5	34.6
Methyl Iodide	1	UG/L	ND	ND	ND	ND
Carbon disulfide	1	UG/L	ND	ND	ND	ND
Acetone	20	UG/L	ND	12.2	5.4	5.3
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	6.3	UG/L	ND	ND	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND	ND	ND
2-nitropropane	12	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

* = Batch did not meet QC criteria, blank contamination, the blank value for this batch was above MDL.

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

South Bay Water Reclamation Plant
RECLAIMED WATER ANNUAL SUMMARY

Benzidines

From 01-JAN-2008 to 31-DEC-2008

Source: SB_REC_WATER_34

Date:	MDL Units	12-FEB-2008 P414587	13-MAY-2008 P424876	12-AUG-2008 P435102	07-OCT-2008 P443504
3,3-dichlorobenzidine	2.44 UG/L	ND	ND	ND	ND
Benzidine	1.52 UG/L	ND	ND	ND	ND

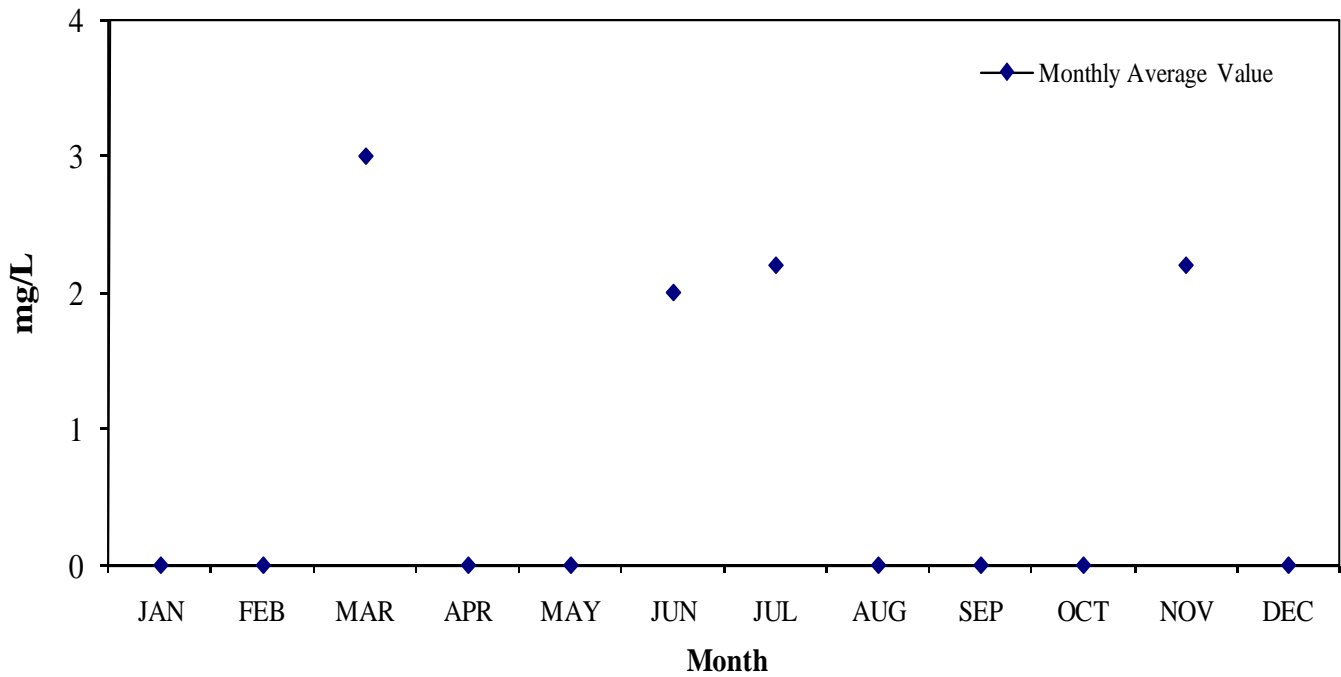
NA= Not Analyzed, ND= Not Detected

B. Reclaimed Water Graphs

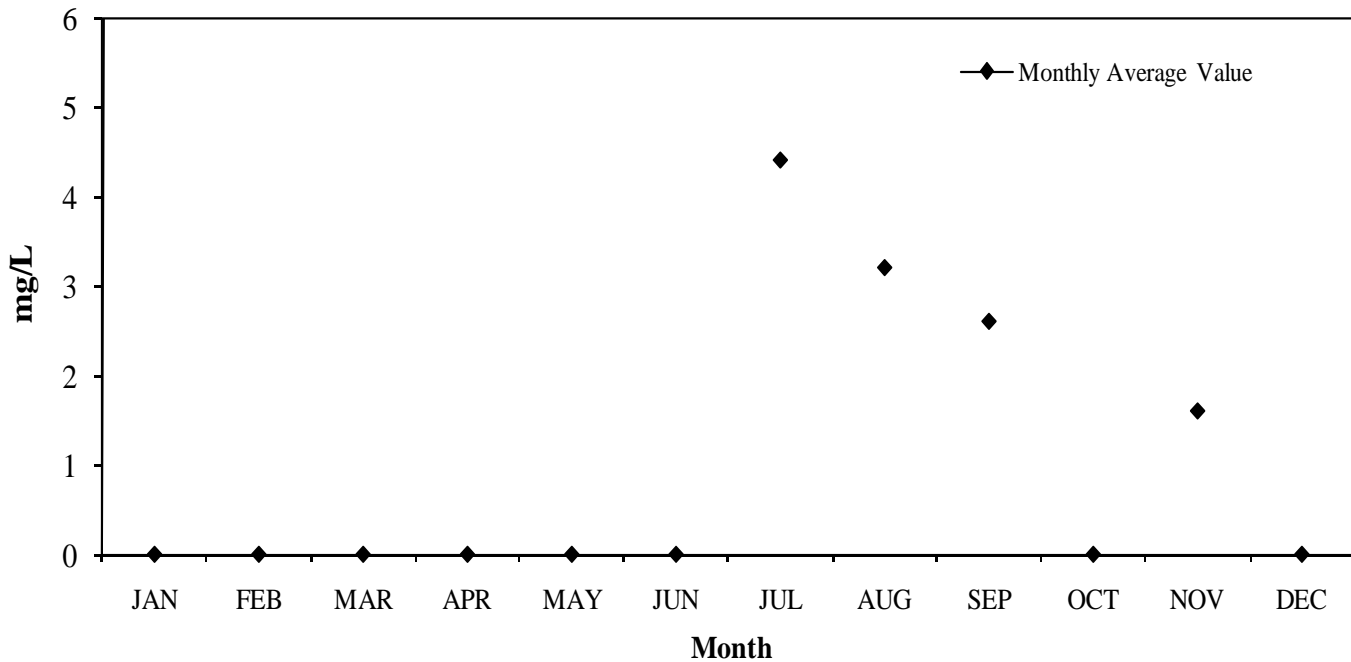
Graphs of monthly averages for permit parameters with measurable concentration averages.

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.

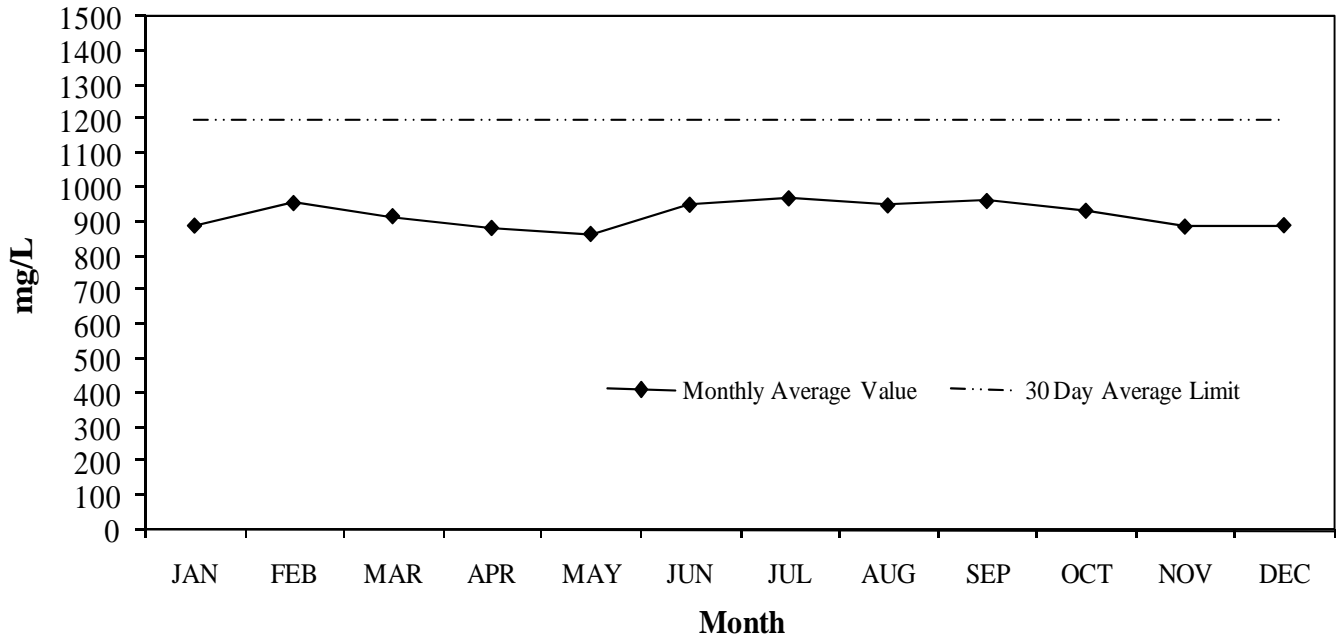
2008 South Bay Reclaim Water
Biological Oxygen Demand



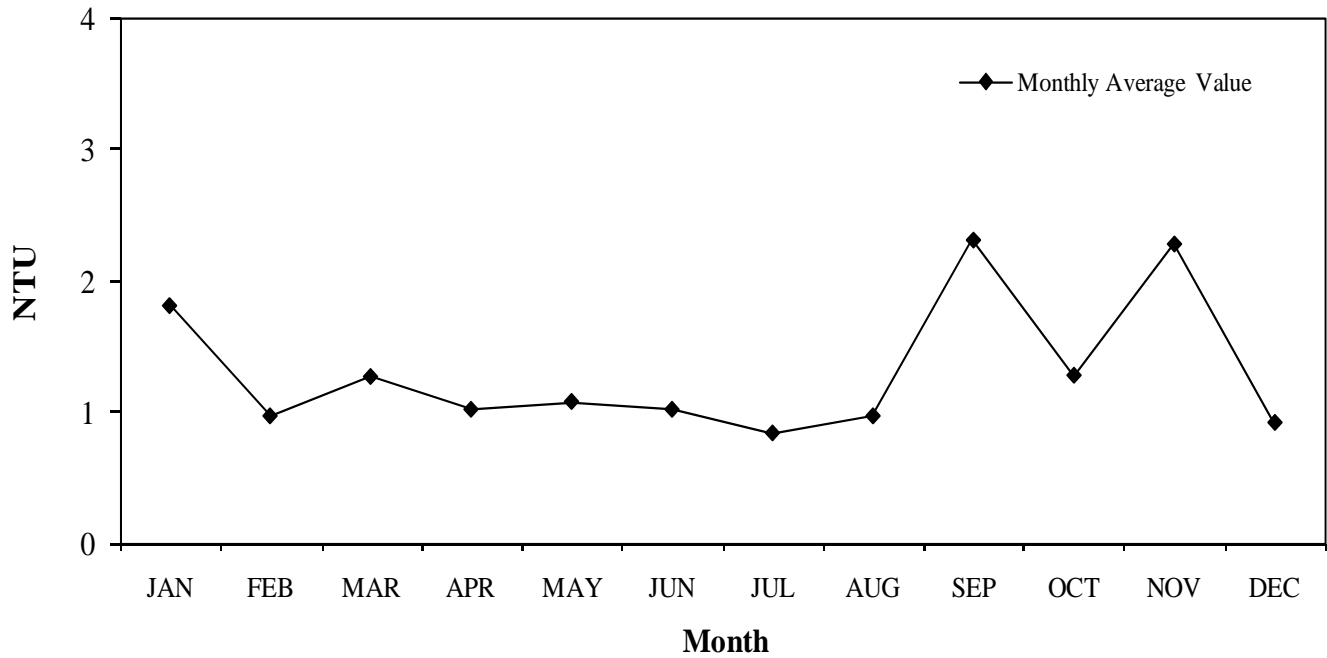
2008 South Bay Reclaim Water
Total Suspended Solids



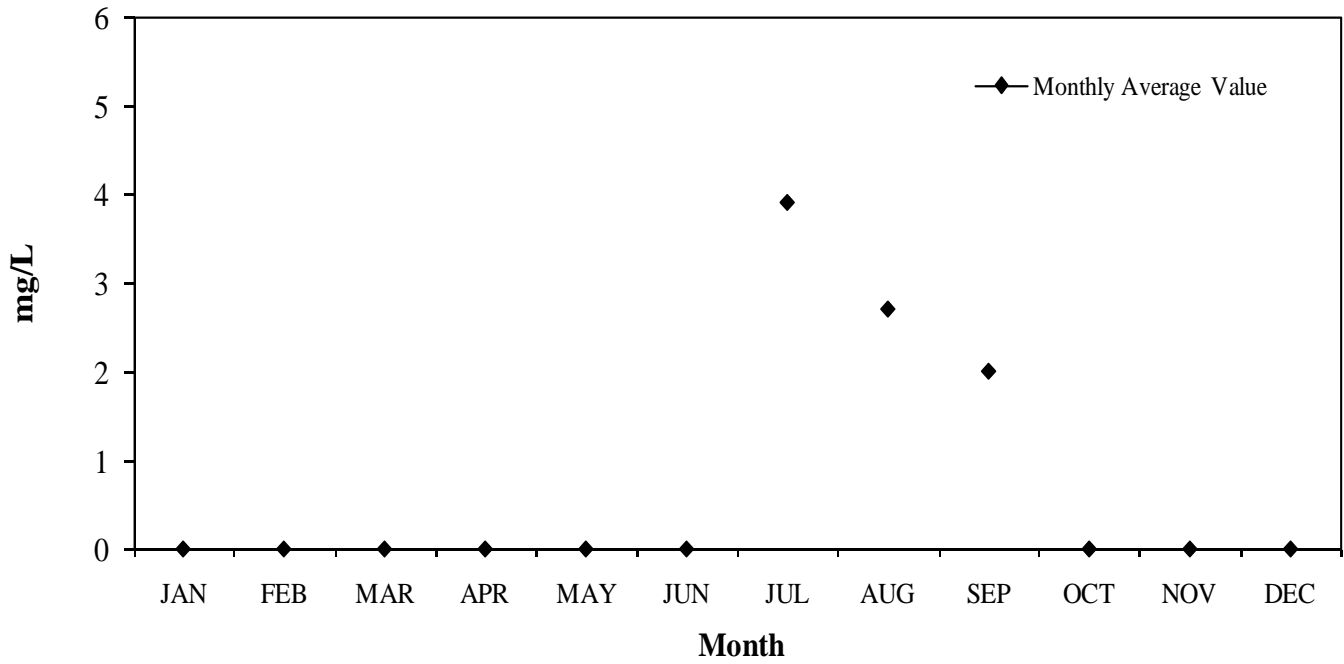
2008 South Bay Reclaim Water
Total Dissolved Solids



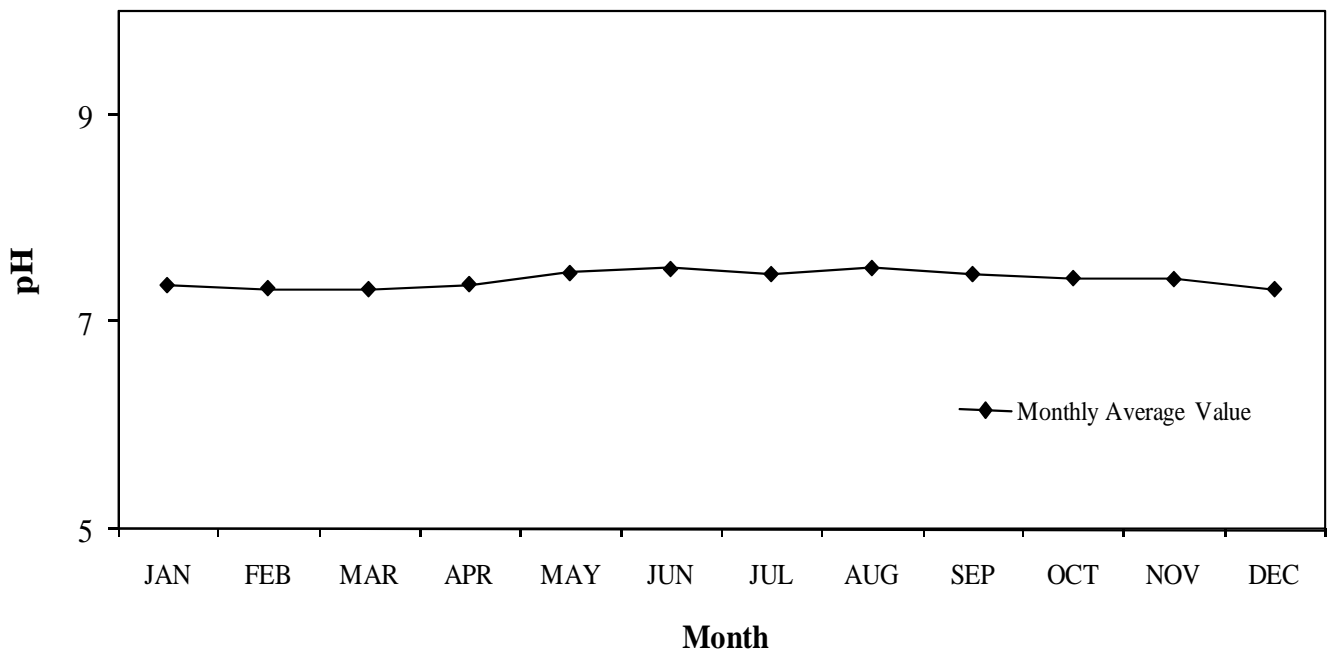
2008 South Bay Reclaim Water
Turbidity



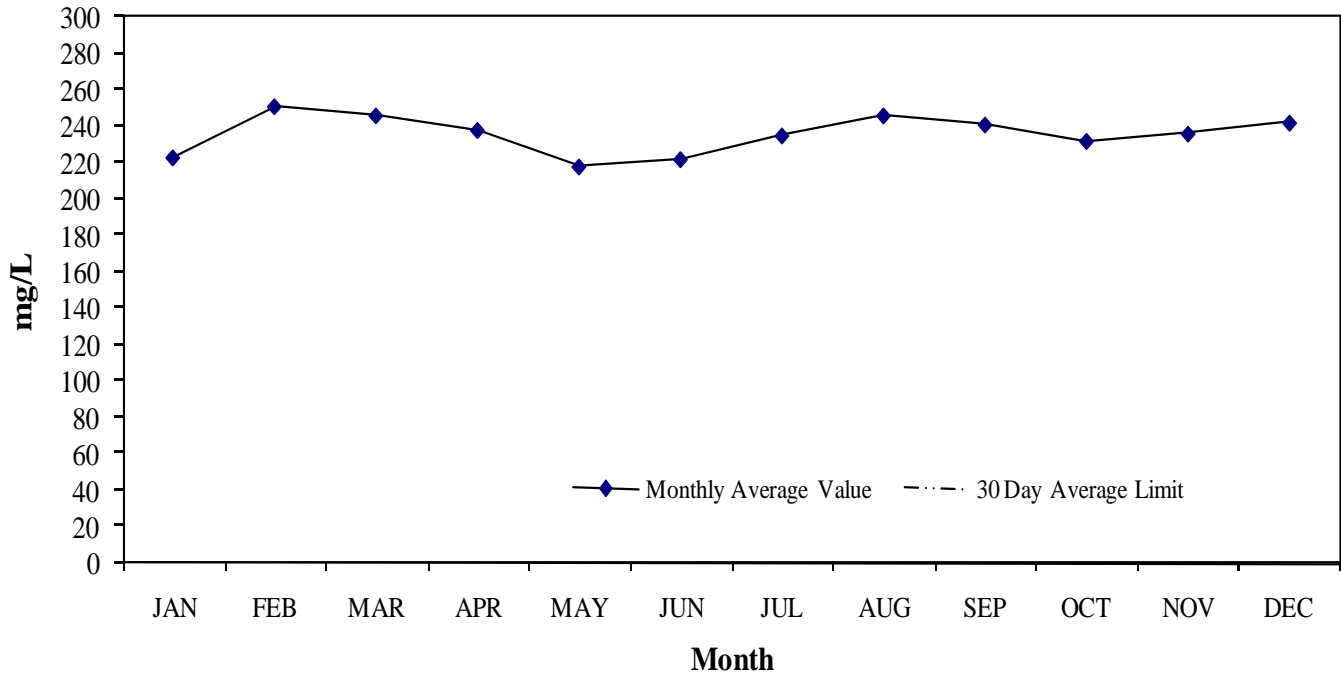
2008 South Bay Reclaim Water
Volatile Suspended Solids



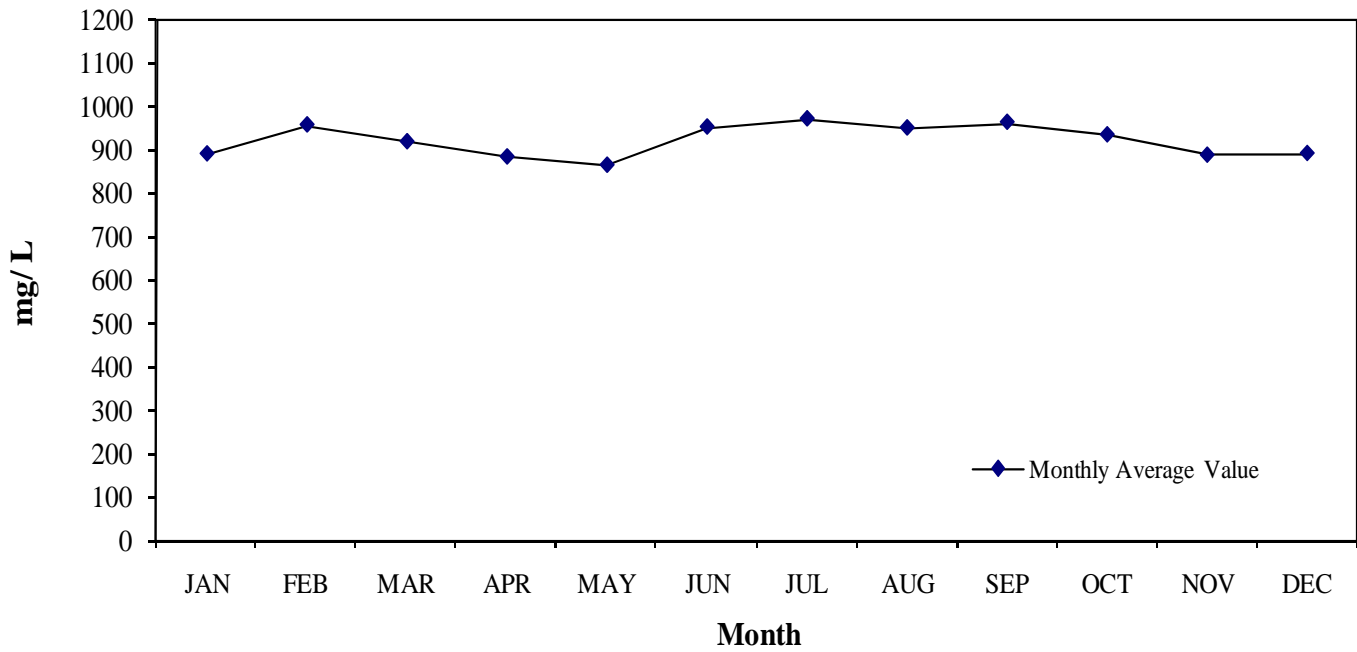
2008 South Bay Reclaim Water
pH



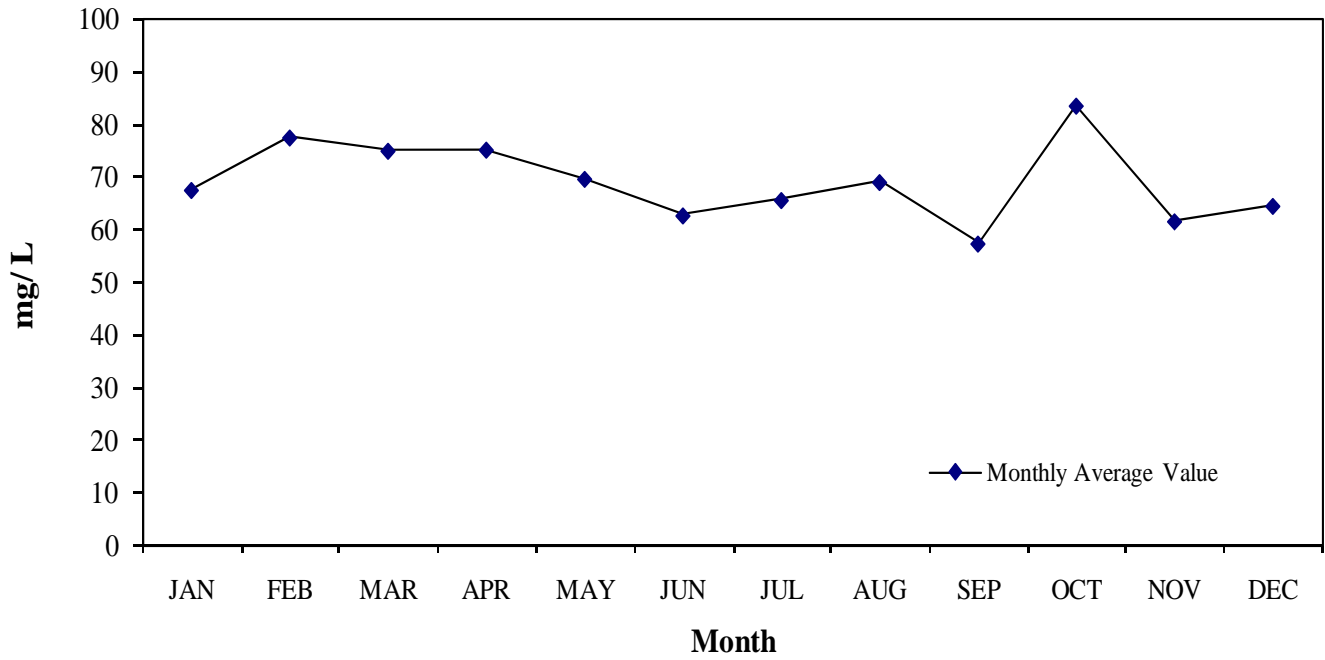
2008 South Bay Reclaim Water
Chloride



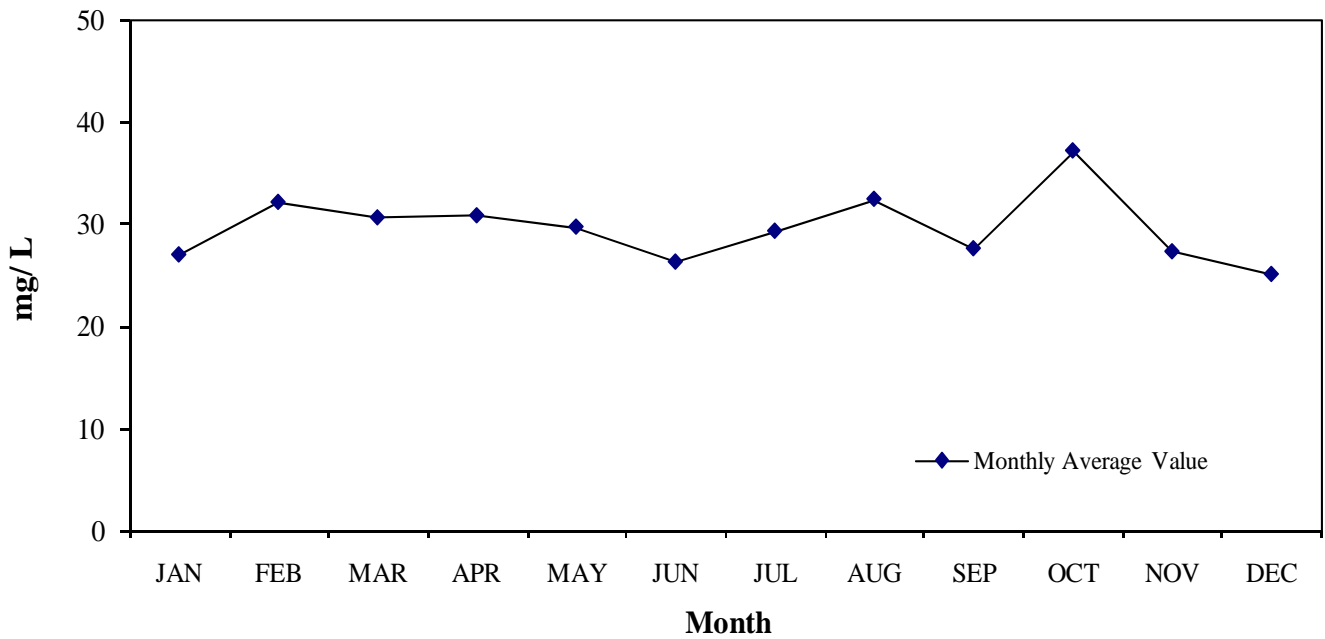
2008 South Bay Reclaim Water
Total Dissolved Solids



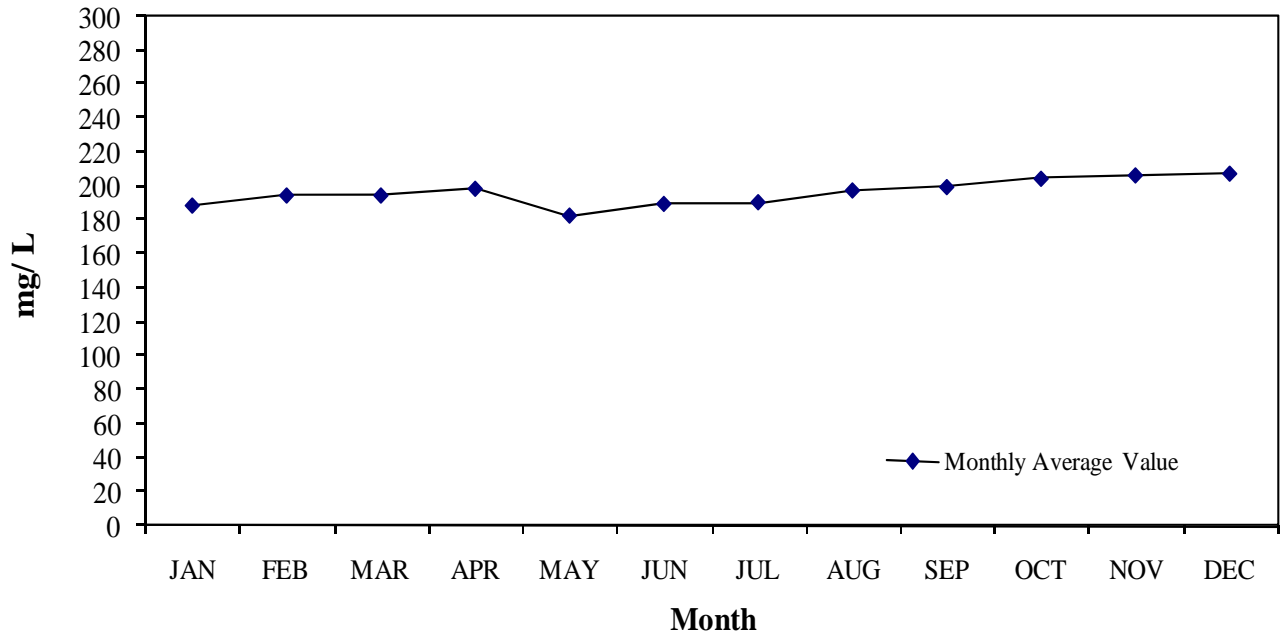
2008 South Bay Reclaim Water
Calcium



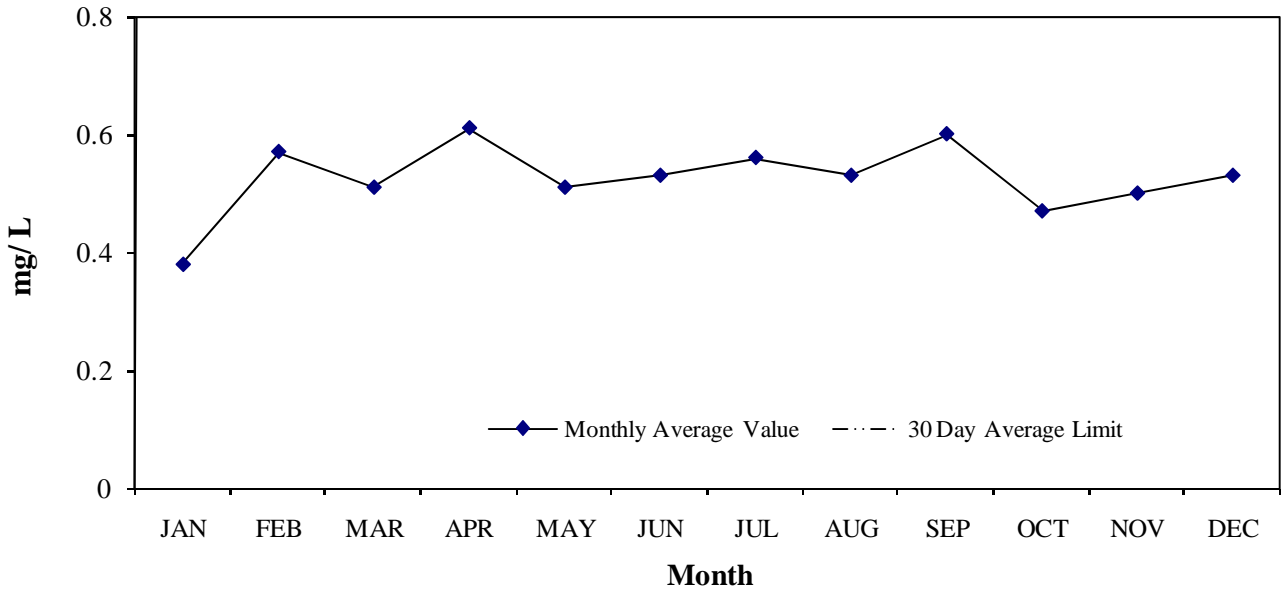
2008 South Bay Reclaim Water
Magnesium



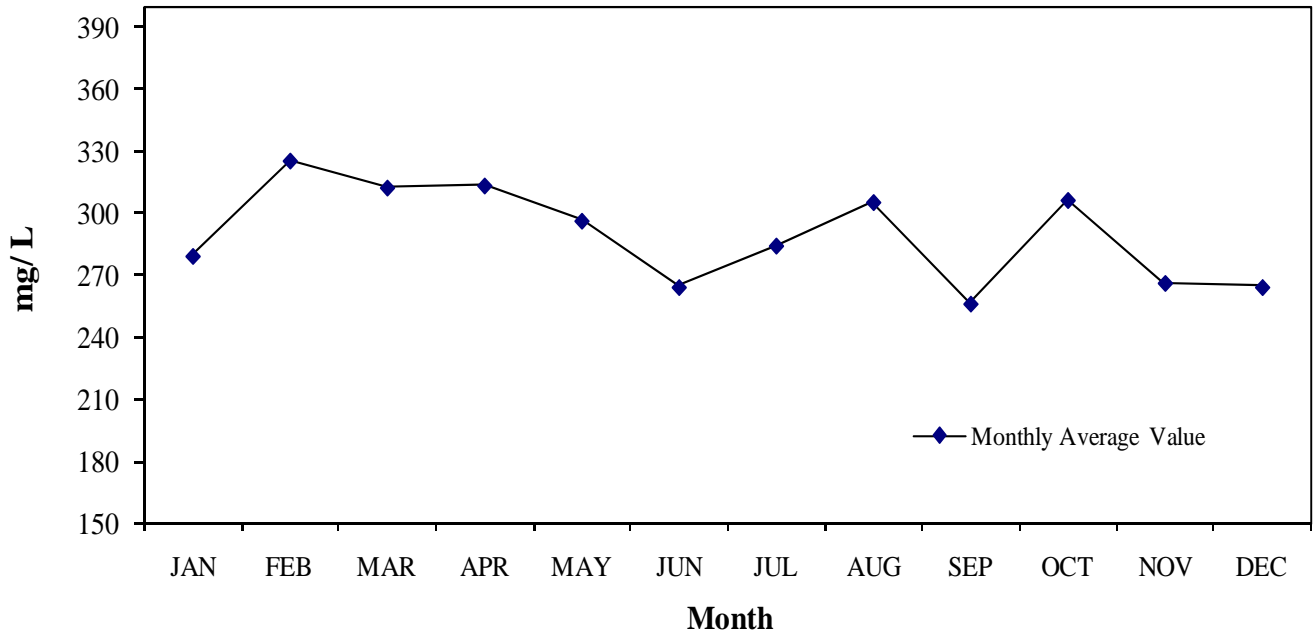
2008 South Bay Reclaim Water
Sulfate



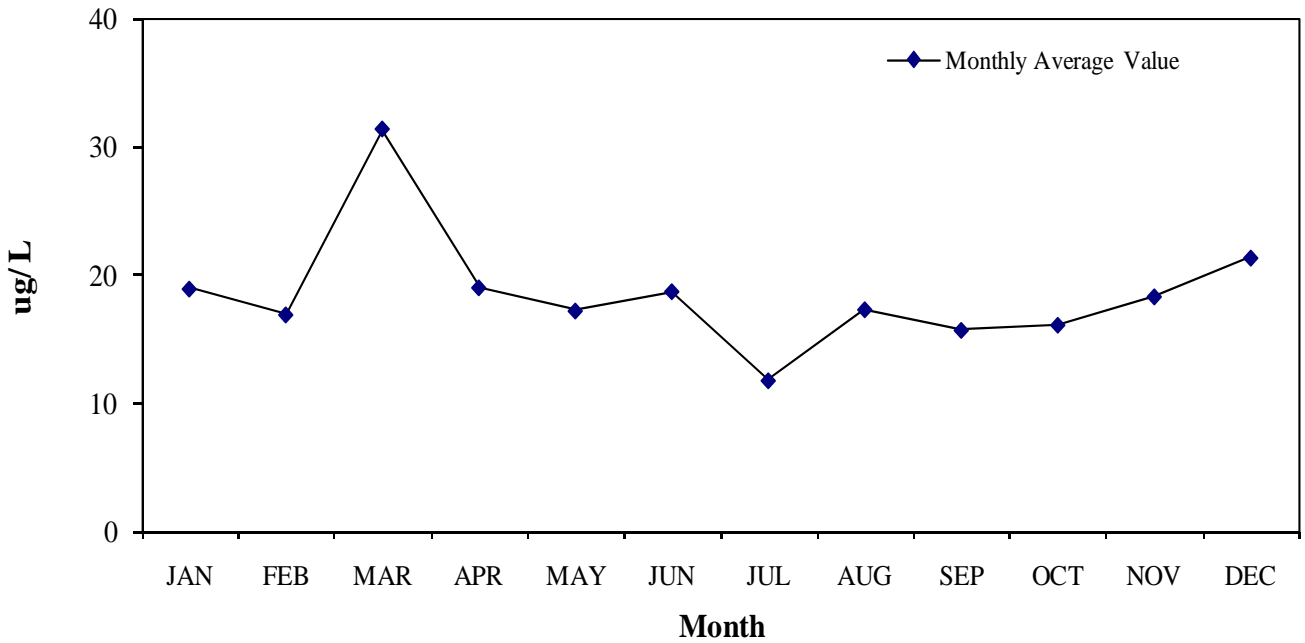
2008 South Bay Reclaim Water
Fluoride



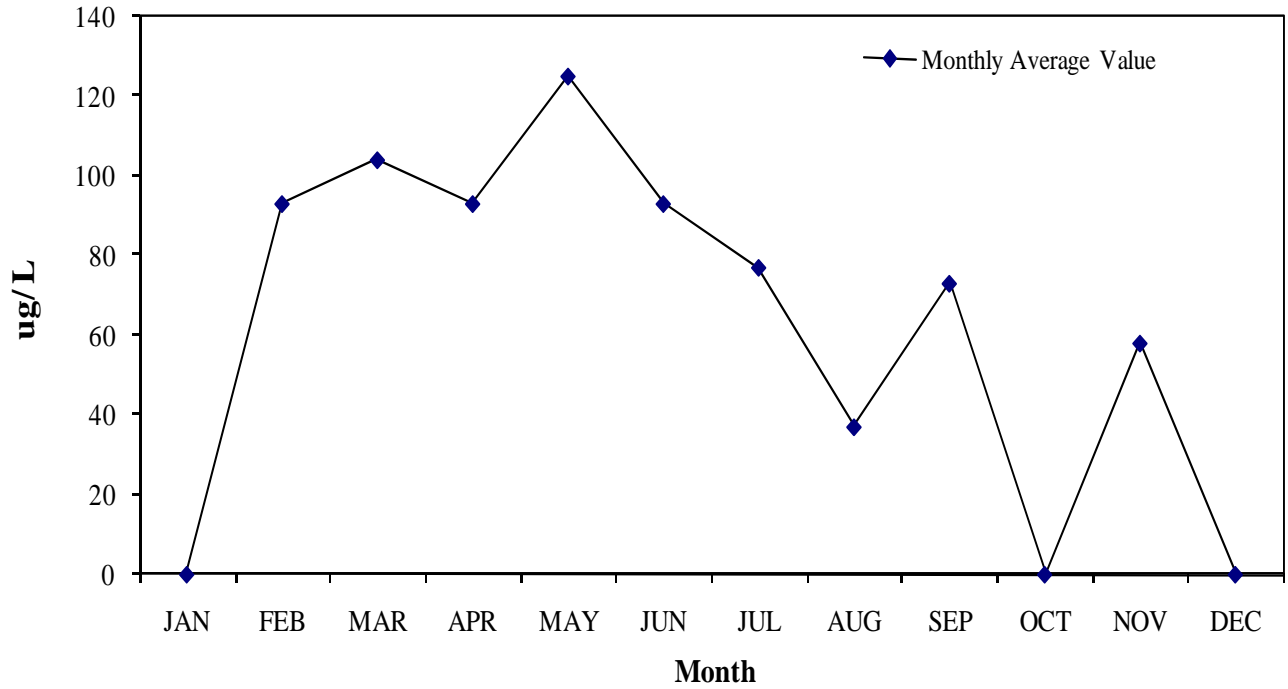
2008 South Bay Reclaim Water
Total Hardness



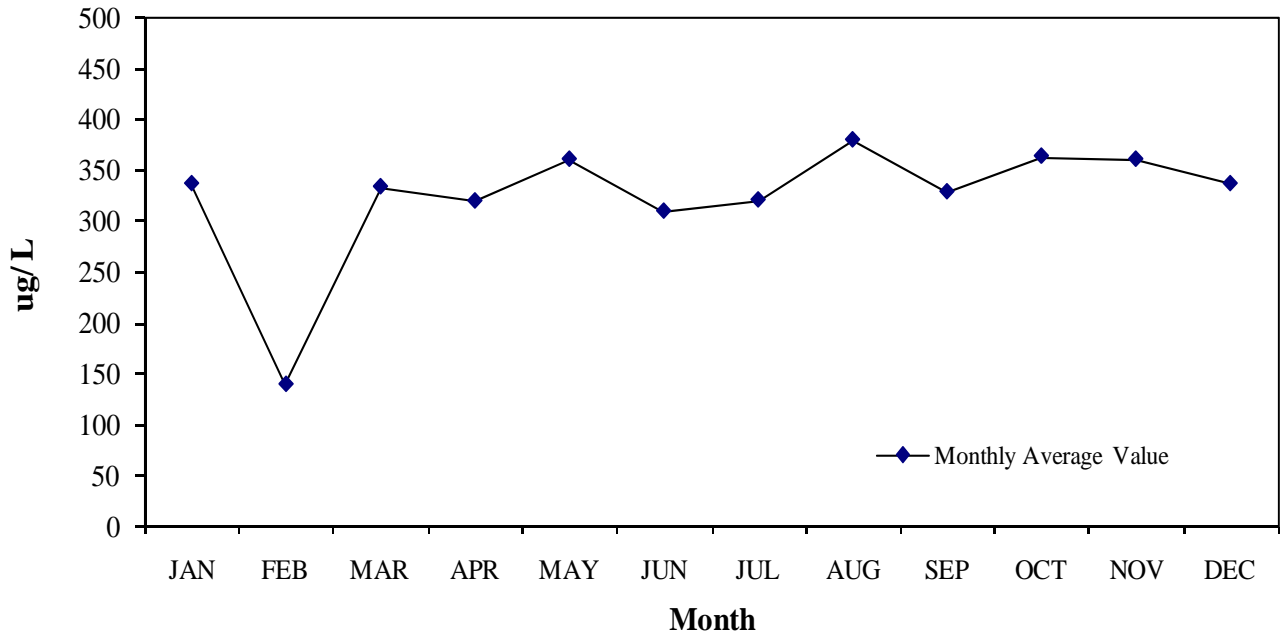
2008 South Bay Reclaim Water
Manganese



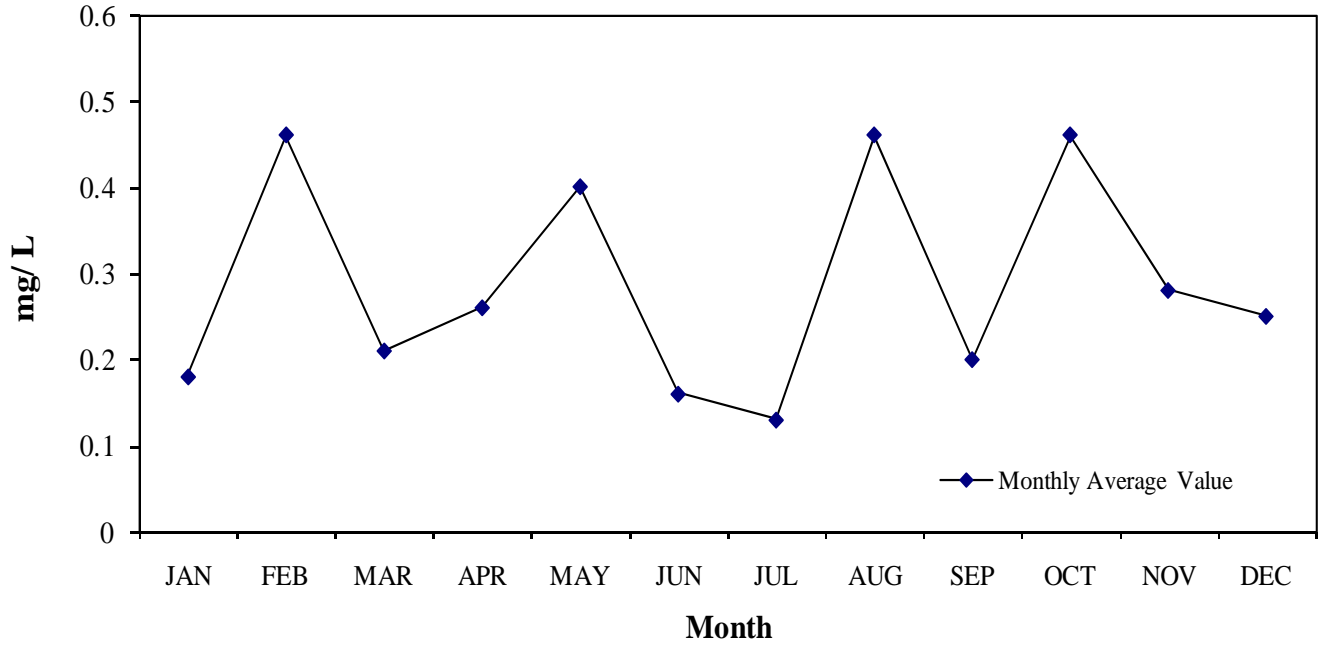
2008 South Bay Reclaim Water
Iron



2008 South Bay Reclaim Water
Boron



2008 South Bay Reclaim Water
MBAS

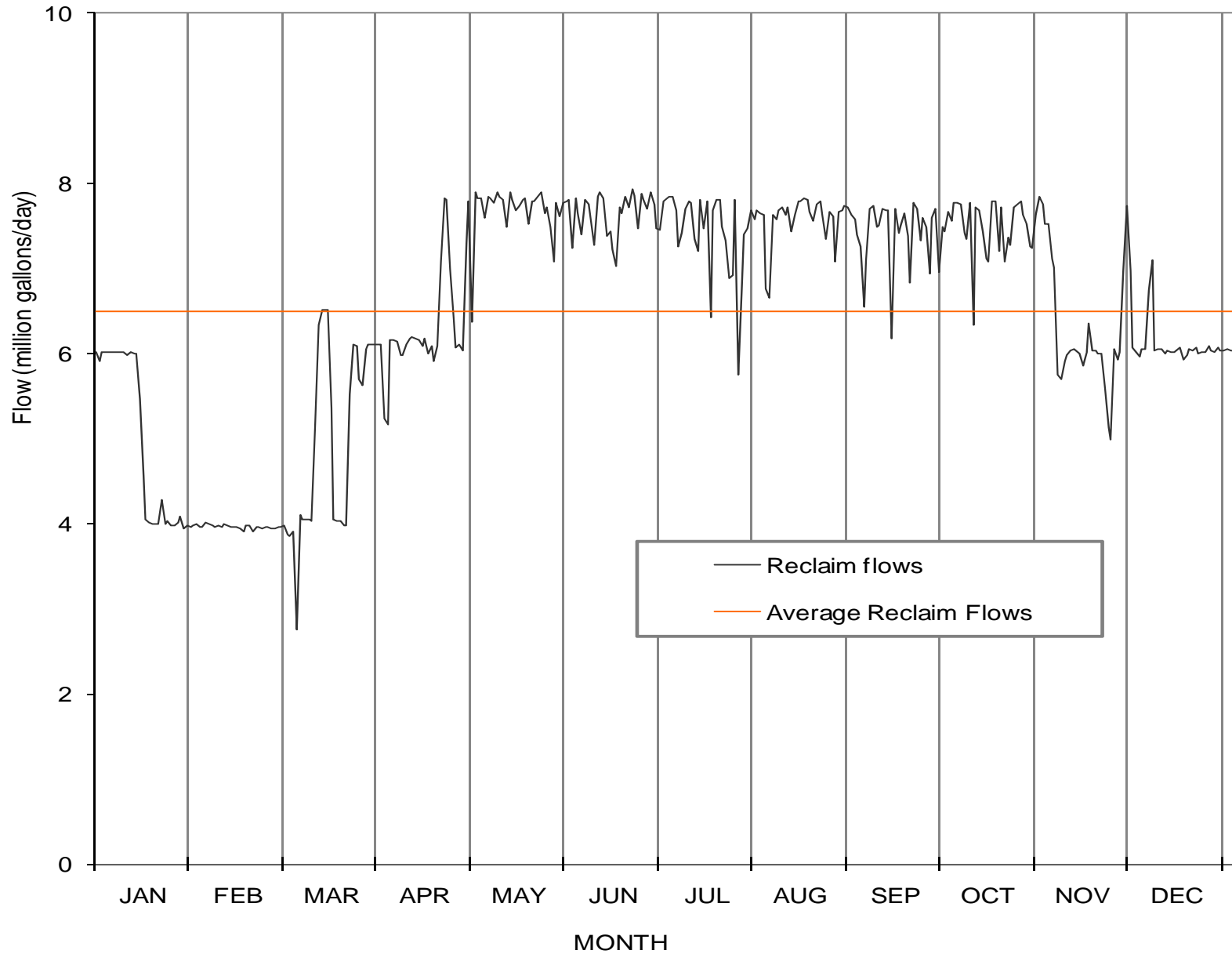


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C. Daily Values of Selected Parameters.

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 2008 Reclaimed Production Flows



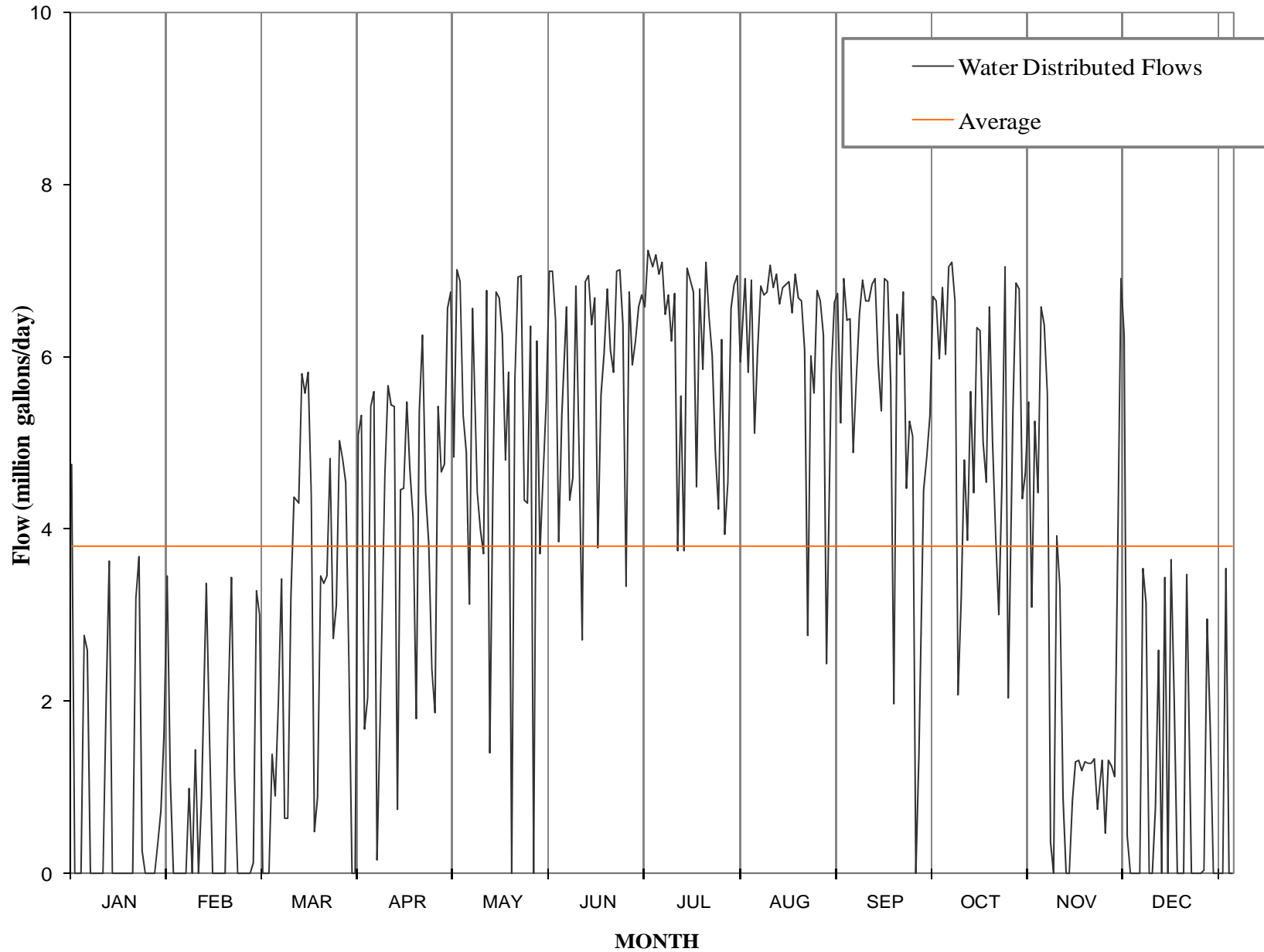
Daily Flows - Reclaim Water Produced in 2008

Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	6.03	3.99	3.98	6.11	7.91	7.24	7.84	7.64	7.26	7.78	7.12	6.06	
2	5.91	4.00	3.88	5.25	7.84	7.83	7.86	6.77	6.56	7.78	7.02	6.76	
3	6.03	3.97	3.86	5.17	7.84	7.66	7.85	6.67	7.11	7.76	5.75	7.11	
4	6.02	3.96	3.91	6.17	7.61	7.40	7.70	7.64	7.71	7.43	5.70	6.05	
5	6.02	4.02	2.76	6.16	7.86	7.81	7.26	7.58	7.74	7.35	5.92	6.06	
6	6.03	4.00	4.10	6.15	7.83	7.77	7.43	7.69	7.50	7.78	5.99	6.06	
7	6.02	3.98	4.06	5.98	7.78	7.61	7.71	7.73	7.52	6.35	6.04	6.01	
8	6.03	3.97	4.05	5.98	7.90	7.28	7.79	7.64	7.71	7.73	6.06	6.04	
9	6.02	3.98	4.05	6.12	7.86	7.85	7.78	7.72	7.69	7.70	6.05	6.02	
10	6.02	3.97	4.03	6.19	7.81	7.90	7.36	7.44	7.69	7.44	6.01	6.03	
11	5.98	4.00	5.13	6.20	7.49	7.84	7.21	7.64	6.19	7.13	5.86	6.05	
12	6.03	3.99	6.34	6.18	7.90	7.39	7.81	7.80	7.71	7.09	6.03	6.07	
13	6.00	3.96	6.52	6.17	7.81	7.44	7.48	7.80	7.42	7.80	6.36	5.93	
14	6.00	3.97	6.52	6.10	7.70	7.23	7.80	7.83	7.52	7.80	6.05	5.99	
15	5.48	3.96	6.52	6.19	7.74	7.04	6.44	7.81	7.66	7.21	6.04	6.06	
16	4.57	3.95	5.36	6.01	7.82	7.72	7.69	7.67	7.39	7.73	6.01	6.05	
17	4.05	3.91	4.05	6.09	7.84	7.66	7.81	7.56	6.84	7.08	6.01	6.07	
18	4.02	3.98	4.04	5.92	7.54	7.86	7.82	7.77	7.78	7.37	5.60	6.01	
19	4.01	3.99	4.03	6.09	7.80	7.72	7.49	7.79	7.71	7.29	5.13	6.02	
20	4.00	3.92	3.99	7.08	7.79	7.94	7.34	7.64	7.34	7.72	4.99	6.03	
21	4.01	3.96	3.98	7.83	7.86	7.87	6.89	7.36	7.61	7.76	6.06	6.09	
22	4.29	3.96	5.52	7.81	7.91	7.48	6.92	7.67	7.49	7.79	5.94	6.04	
23	4.01	3.95	6.11	7.00	7.66	7.89	7.82	7.62	6.94	7.64	6.03	6.03	
24	4.04	3.96	6.10	6.42	7.72	7.82	5.75	7.09	7.60	7.54	6.98	6.07	
25	3.99	3.97	5.71	6.08	7.50	7.71	6.82	7.68	7.71	7.26	7.75	6.04	
26	3.98	3.95	5.64	6.11	7.09	7.91	7.41	7.69	6.97	7.25	6.99	6.04	
27	4.02	3.95	6.06	6.05	7.78	7.76	7.47	7.74	7.49	7.63	6.07	6.06	
28	4.09	3.96	6.11	7.30	7.62	7.48	7.70	7.72	7.45	7.86	6.03	6.04	
29	3.95	3.97	6.11	7.79	7.78	7.46	7.58	7.64	7.68	7.76	5.97	6.04	
30	3.99		6.12	6.38	7.80	7.80	7.69	7.59	7.56	7.53	6.06	6.05	
31	3.96		6.12		7.82		7.66	7.41		7.54		6.04	
Average	4.99	3.97	4.99	6.34	7.75	7.65	7.46	7.58	7.42	7.51	6.12	6.10	6.49
Minimum	3.95	3.91	2.76	5.17	7.09	7.04	5.75	6.67	6.19	6.35	4.99	5.93	2.76
Maximum	6.03	4.02	6.52	7.83	7.91	7.94	7.86	7.83	7.78	7.86	7.75	7.11	7.94
Total	154.6	115.1	154.8	190.1	240.2	229.4	231.2	235.0	222.6	232.9	183.6	189.0	2378.4

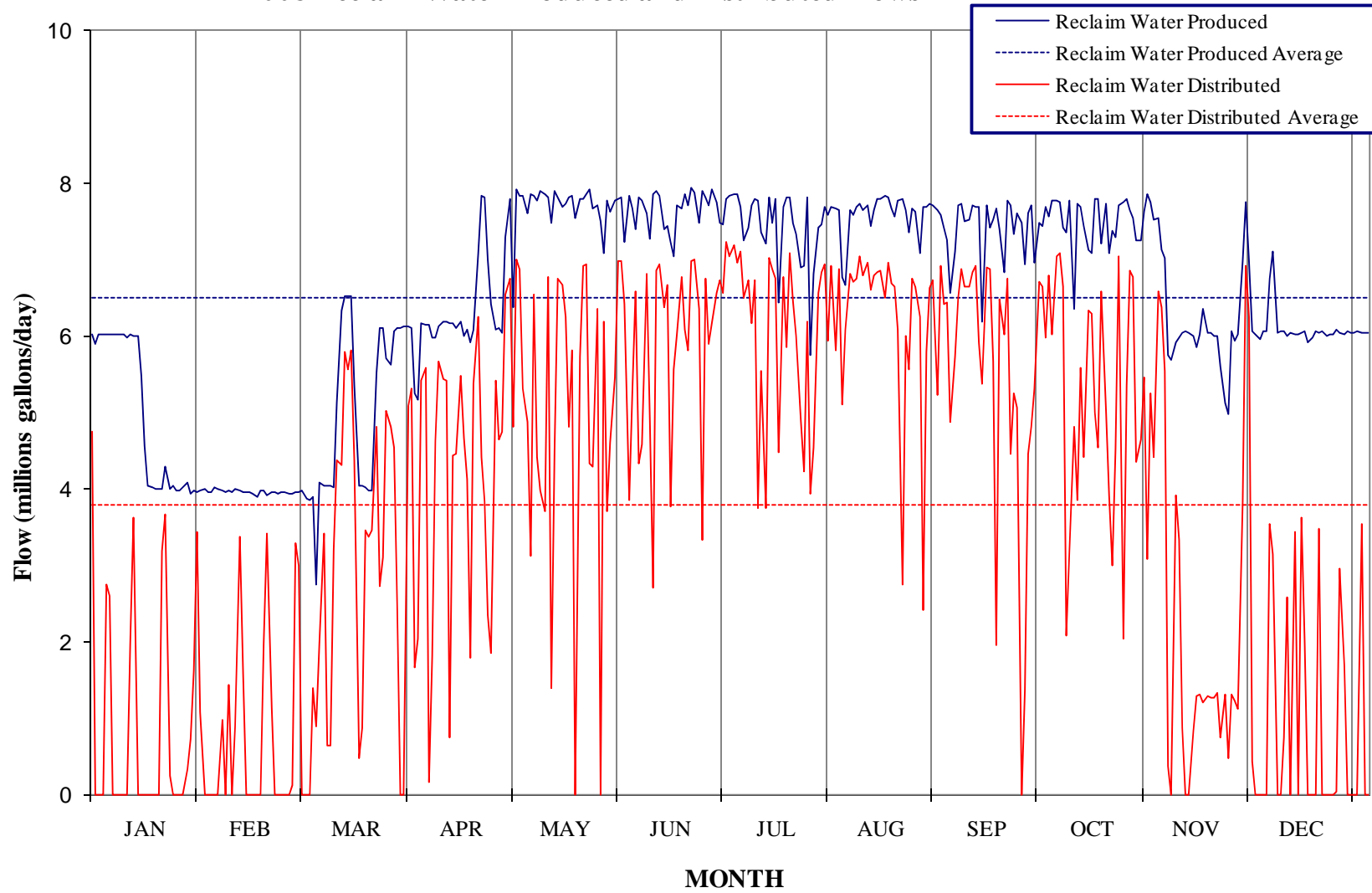
Daily Flows - Reclaim Water Distributed in 2008

Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	4.76	1.08	0.00	5.32	7.01	6.43	7.05	6.89	6.44	6.03	6.38	0.00	
2	0.00	0.00	0.00	1.67	6.88	3.85	7.19	5.12	4.89	7.05	5.56	3.54	
3	0.00	0.00	0.00	2.04	5.32	5.33	6.97	6.09	5.73	7.10	0.37	3.15	
4	0.00	0.00	1.39	5.42	4.89	6.59	7.11	6.83	6.50	6.65	0.00	0.00	
5	2.76	0.00	0.89	5.60	3.13	4.33	6.50	6.72	6.89	2.08	3.93	0.00	
6	2.60	0.00	1.98	0.16	6.56	4.60	6.73	6.76	6.66	3.19	3.33	0.76	
7	0.00	0.98	3.42	1.82	4.43	6.83	6.18	7.06	6.65	4.81	0.88	2.59	
8	0.00	0.00	0.64	4.63	3.99	4.90	6.74	6.80	6.85	3.87	0.00	0.00	
9	0.00	1.44	0.64	5.67	3.72	2.71	3.75	6.97	6.92	5.60	0.00	3.44	
10	0.00	0.00	3.21	5.45	6.78	6.87	5.54	6.62	5.93	4.43	0.84	0.00	
11	0.00	0.89	4.38	5.43	1.40	6.94	3.75	6.80	5.38	6.35	1.29	3.64	
12	1.98	3.37	4.31	0.75	4.50	6.38	7.04	6.85	6.91	6.30	1.32	2.00	
13	3.63	1.60	5.80	4.45	6.76	6.68	6.89	6.87	6.88	5.01	1.20	0.00	
14	0.00	0.00	5.58	4.47	6.68	3.78	6.75	6.52	5.68	4.54	1.29	0.00	
15	0.00	0.00	5.82	5.48	6.25	5.57	4.49	6.96	1.97	6.59	1.28	0.00	
16	0.00	0.00	4.39	4.68	4.81	6.04	6.79	6.69	6.49	5.03	1.28	3.48	
17	0.00	0.00	0.49	4.13	5.83	6.79	5.86	6.65	6.03	3.93	1.33	0.00	
18	0.00	0.00	0.88	1.80	0.00	6.09	7.10	6.09	6.76	3.01	0.75	0.00	
19	0.00	1.98	3.46	5.38	5.73	5.82	6.46	2.76	4.47	4.53	1.31	0.00	
20	0.00	3.43	3.37	6.25	6.93	7.00	6.01	6.01	5.25	7.05	0.47	0.00	
21	3.19	1.15	3.46	4.42	6.94	7.01	4.91	5.58	5.08	2.04	1.31	0.04	
22	3.68	0.00	4.82	3.83	4.33	6.37	4.23	6.77	0.00	5.37	1.24	2.96	
23	0.26	0.00	2.73	2.36	4.30	3.33	6.20	6.65	1.38	6.86	1.13	1.69	
24	0.00	0.00	3.11	1.86	6.36	6.75	3.94	6.26	4.46	6.79	3.84	0.00	
25	0.00	0.00	5.02	5.42	0.00	5.91	4.54	2.43	4.83	4.36	6.92	0.00	
26	0.00	0.00	4.82	4.66	6.19	6.18	6.57	5.81	5.32	4.66	6.25	0.00	
27	0.00	0.12	4.54	4.75	3.72	6.58	6.85	6.64	6.71	5.47	0.44	0.00	
28	0.34	3.29	2.47	6.56	4.62	6.73	6.95	6.74	6.65	3.09	0.00	3.54	
29	0.73	3.00	0.00	6.76	5.47	6.58	5.94	5.23	5.98	5.26	0.00	0.00	
30	1.62		0.00	4.83	6.99	7.24	6.92	6.92	6.81	4.42	0.00	0.00	
31	3.45		5.10		6.99		5.82	6.43		6.59		0.00	Annual Summary
Average	0.94	0.77	2.80	4.20	5.08	5.87	6.06	6.24	5.55	5.10	1.80	0.99	3.78
Minimum	0.00	0.00	0.00	0.16	0.00	2.71	3.75	2.43	0.00	2.04	0.00	0.00	0.92
Maximum	4.76	3.43	5.82	6.76	7.01	7.24	7.19	7.06	6.92	7.10	6.92	3.64	6.15
Total	29.0	22.3	86.7	126.1	157.5	176.2	187.8	193.5	166.5	158.1	53.9	30.8	115.7

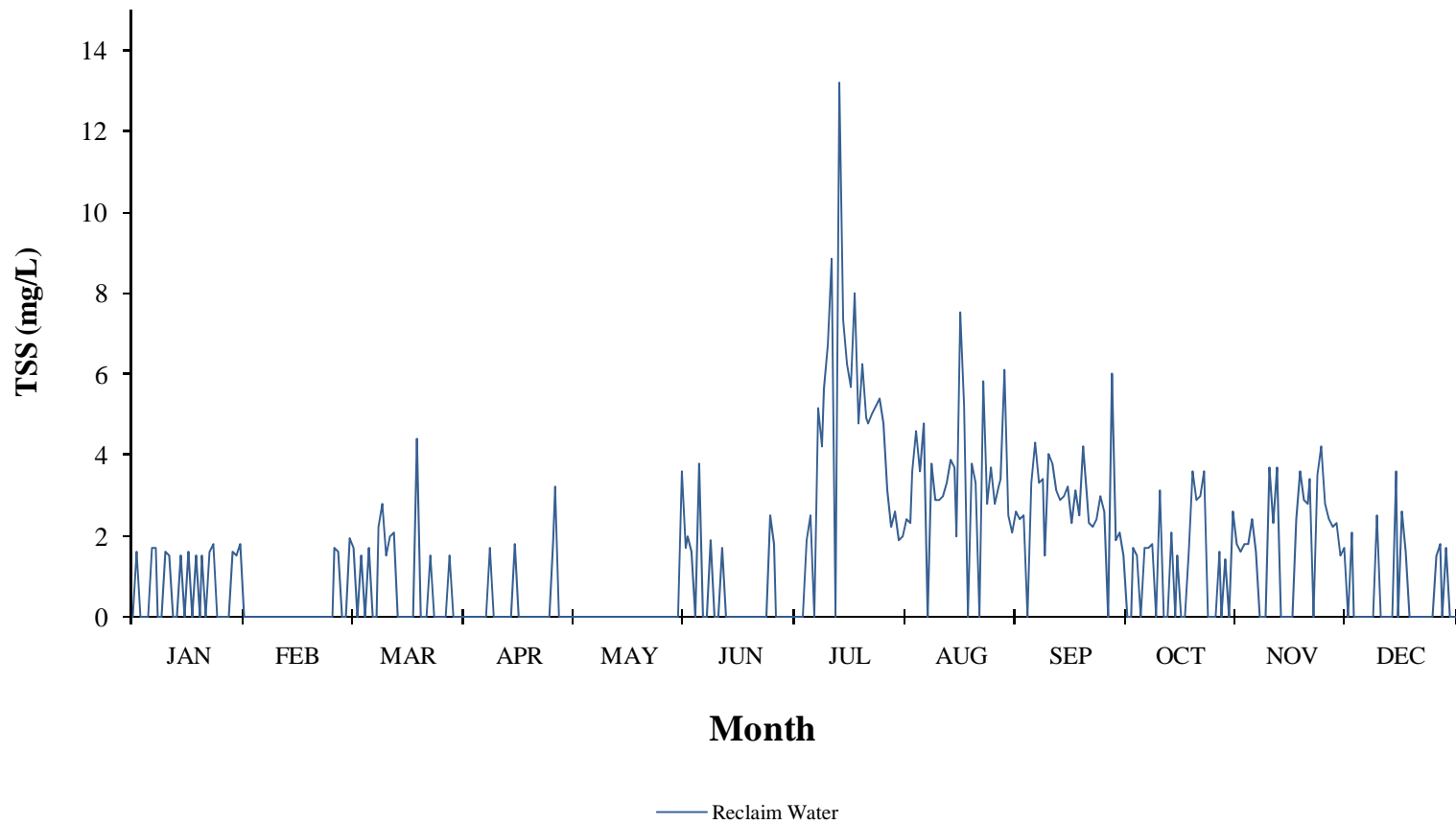
South Bay Wastewater Reclamation Plant 2008 Reclaimed Water Distributed Flows



South Bay Wastewater Reclamation Plant 2008 Reclaim Water Produced and Distributed Flows



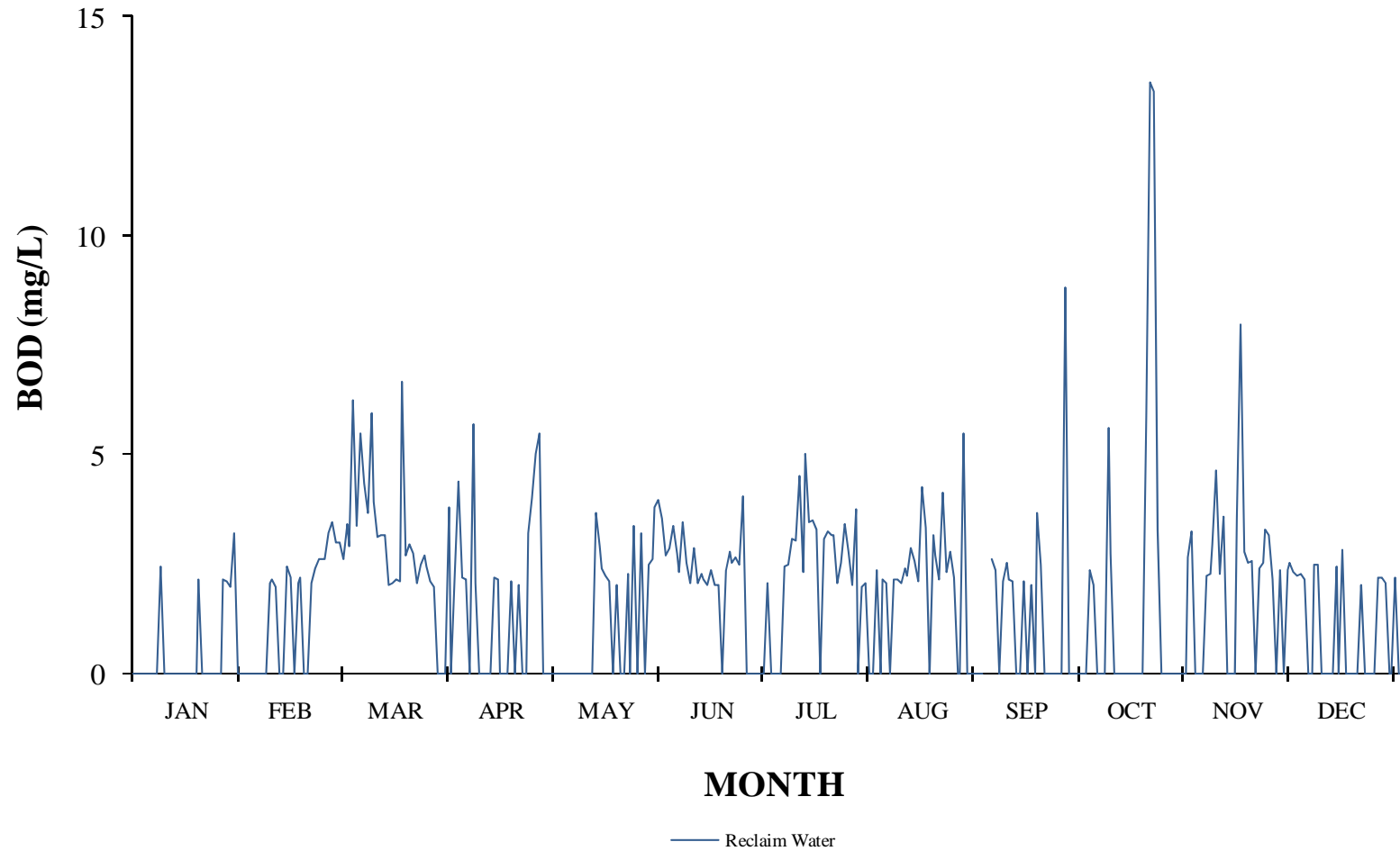
South Bay Wastewater Reclamation Plant 2008 Total Suspended Solids



Daily Reclaimed Water TSS Values in 2008

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	ND	ND	1.70	ND	ND	1.60	ND	4.60	3.30	ND	1.60	ND	
2	1.60	ND	ND	ND	ND	ND	1.90	3.60	4.30	1.70	ND	ND	
3	ND	ND	1.50	ND	ND	3.80	2.50	4.80	3.30	1.70	ND	ND	
4	ND	ND	ND	ND	ND	ND	ND	ND	3.40	1.80	ND	2.50	
5	ND	ND	1.70	ND	ND	ND	5.15	3.80	1.50	ND	3.70	ND	
6	1.70	ND	ND	ND	ND	1.90	4.20	2.90	4.00	3.10	2.30	ND	
7	1.70	ND	ND	1.70	ND	ND	5.63	2.90	3.80	ND	3.70	ND	
8	ND	ND	2.20	ND	ND	ND	6.71	3.00	3.10	ND	ND	ND	
9	ND	ND	2.80	ND	ND	1.70	8.83	3.30	2.90	2.10	ND	3.60	
10	1.60	ND	1.50	ND	ND	ND	ND	3.90	3.00	ND	ND	ND	
11	1.50	ND	2.00	ND	ND	ND	13.20	3.70	3.20	1.50	ND	2.60	
12	ND	ND	2.10	ND	ND	ND	7.33	2.00	2.30	ND	2.40	1.60	
13	ND	ND	ND	ND	ND	ND	6.25	7.50	3.10	ND	3.60	ND	
14	1.50	ND	ND	1.80	ND	ND	5.70	5.20	2.50	1.60	2.90	ND	
15	ND	ND	ND	ND	ND	ND	8.00	ND	4.20	3.60	2.80	ND	
16	1.60	ND	ND	ND	ND	ND	4.80	3.80	3.00	2.90	3.40	ND	
17	ND	ND	ND	ND	ND	ND	6.25	3.30	2.30	3.00	ND	ND	
18	1.50	ND	4.40	ND	ND	ND	4.90	ND	2.20	3.60	3.50	ND	
19	ND	ND	ND	ND	ND	ND	4.80	5.80	2.40	ND	4.20	ND	
20	1.50	ND	ND	ND	ND	ND	5.00	2.80	3.00	ND	2.80	1.50	
21	ND	ND	ND	ND	ND	ND	5.20	3.70	2.60	ND	2.40	1.80	
22	1.60	ND	1.50	ND	ND	2.50	5.40	2.80	ND	1.60	2.20	ND	
23	1.80	ND	ND	ND	ND	1.80	4.80	3.20	6.00	ND	2.30	1.70	
24	ND	ND	ND	1.90	ND	ND	3.10	3.40	1.90	1.40	1.50	ND	
25	ND	1.70	ND	3.20	ND	ND	2.20	6.10	2.10	ND	1.70	ND	
26	ND	1.60	ND	ND	ND	ND	2.60	2.50	1.50	2.60	ND	ND	
27	ND	ND	1.50	ND	ND	ND	1.90	2.10	ND	1.80	2.10	ND	
28	1.60	ND	ND	ND	ND	ND	2.00	2.60	ND	1.60	ND	ND	
29	1.50	1.95	ND	ND	3.60	ND	2.40	2.40	1.70	1.80	ND	ND	
30	1.80		ND	ND	1.70	ND	2.30	2.50	1.50	1.80	ND	2.30	
31	ND		ND		2.00		3.60	ND		2.40		ND	Annual Summary
Ave	1.61	1.75	2.08	2.15	2.43	2.22	4.88	3.64	2.89	2.19	2.73	2.20	2.56
Min	1.50	1.60	1.50	1.70	1.70	1.60	1.90	2.00	1.50	1.40	1.50	1.50	1.40
Max	1.80	1.95	4.40	3.20	3.60	3.80	13.20	7.50	6.00	3.60	4.20	3.60	13.20

South Bay Wastewater Reclamation Plant 2008 Biochemical Oxygen Demand



Daily BOD Values 2008

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	ND	ND	2.62	ND	ND	2.72	ND	ND		2.04	ND	ND	
2	ND	ND	3.42	2.25	ND	2.88	ND	2.17	2.63	ND	2.23	ND	
3	ND	ND	2.9	4.4	ND	3.38	ND	2.05	2.36	ND	2.27	2.49	
4	ND	ND	6.23	2.2	ND	2.76	ND	ND	ND	ND	2.95	2.5	
5	ND	ND	3.39	2.14	ND	2.33	2.44	2.16	2.12	5.59	4.62	ND	
6	ND	ND	5.47	ND	ND	3.46	2.5	2.14	2.54	2.75	2.26	ND	
7	ND	ND	4.35	5.68	ND	2.52	3.06	2.06	2.16	ND	3.59	ND	
8	ND	ND	3.66	2.06	ND	2.06	3.02	2.39	2.13	ND	ND	ND	
9	2.44	2.08	5.96	ND	ND	2.87	4.53	2.24	ND	ND	ND	2.43	
10	ND	2.15	3.92	ND	ND	2.05	2.3	2.88	ND	ND	ND	ND	
11	ND	2	3.13	ND	ND	2.28	5.04	2.57	2.09	ND	3.55	2.82	
12	ND	ND	3.16	ND	3.67	2.17	3.48	2.12	ND	ND	7.97	ND	
13	ND	ND	3.18	2.18	2.9	2.03	3.5	4.26	2.04	ND	2.77	ND	
14	ND	2.44	2.03	2.14	2.42	2.36	3.29	3.32	ND	ND	2.54	ND	
15	ND	2.18	2.07	ND	2.24	2.03	ND	ND	3.68	ND	2.56	ND	
16	ND	ND	2.14	ND	2.09	2.03	3.07	3.15	2.48	5.89	ND	2.03	
17	ND	2.06	2.1	ND	ND	ND	3.25	2.68	ND	13.5	2.4	ND	
18	ND	2.18	6.68	2.11	2.02	2.37	3.15	2.14	ND	13.3	2.53	ND	
19	ND	ND	2.7	ND	ND	2.8	3.17	4.13	ND	3.28	3.27	ND	
20	2.15	ND	2.96	2.04	ND	2.52	2.08	2.31	ND	ND	3.16	ND	
21	ND	2.05	2.74	ND	2.29	2.67	2.53	2.77	ND	ND	2.17	2.2	
22	ND	2.41	2.08	ND	ND	2.51	3.41	2.2	ND	ND	ND	2.19	
23	ND	2.6	2.48	3.21	3.36	4.03	2.77	ND	8.8	ND	2.36	2.05	
24	ND	2.61	2.72	3.99	ND	ND	2.03	ND	ND	ND	ND	ND	
25	ND	2.63	2.46	5.03	3.2	ND	3.74	5.47	ND	ND	2.36	ND	
26	ND	3.2	2.12	5.49	ND	ND	ND	ND	ND	ND	2.55	2.2	
27	2.15	3.48	2	ND	2.47	ND	2	ND	ND	ND	2.3	ND	
28	2.12	2.99	ND	ND	2.6	ND	2.07	ND	ND	2.64	2.24	ND	
29	2	2.98	ND	ND	3.81	ND	ND	ND	ND	3.26	2.26	ND	
30	3.2		ND	ND	3.96	2.06	ND	ND	2.37	ND	2.17	2.11	
31	ND		3.78		3.54		2.35			ND		ND	Annual Summary
Ave	2.34	2.50	3.30	3.21	2.90	2.56	2.22	1.84	1.22	1.69	2.24	0.74	2.23
Min	2.00	2.00	2.00	2.04	2.02	2.03	2.00	2.05	2.04	2.04	2.17	2.03	2.00
Max	3.20	3.48	6.68	5.68	3.96	4.03	5.04	5.47	8.80	13.50	7.97	2.82	13.50

E. UV Performance 2008

**UV PERFORMANCE REPORT
CY 2008**

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Monthly Averages

Date	UV TRANSMITTANCE pct	UV DOSE mj/cm2	BANK 1 POWER pct	BANK 2 POWER pct	BANK 3 POWER pct	BANK 4 POWER pct
Jan-08	70.00	166.82	48.00	45.06	45.90	47.84
Feb-08	67.38	167.13	42.10	38.59	39.52	42.10
Mar-08	68.42	165.38	46.87	43.84	43.97	46.71
Apr-08	69.03	164.80	53.87	51.13	51.70	51.00
May-08	67.45	163.76	59.84	57.03	57.45	59.84
Jun-08	67.00	163.15	62.13	56.57	60.17	62.27
Jul-08	66.16	168.28	66.77	63.44	58.93	66.75
Aug-08	66.39	167.84	63.55	60.97	61.90	64.00
Sep-08	69.30	163.50	59.63	53.70	54.77	57.93
Oct-08	68.42	169.87	59.94	55.35	58.00	60.10
Nov-08	66.27	169.60	56.77	53.37	57.40	59.20
Dec-08	68.77	165.13	53.77	52.38	55.69	55.69
Average	67.88	166.27	55.88	52.62	53.78	56.12

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