

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 - 2012
Data from in-plant meter**

Month	1651 FLE AVG TURBIDITY NTU	1657 FLE MIN TURBIDITY NTU	1654 FLE MAX TURBIDITY NTU	1687 PCT. ABOVE 5 NTU (DURING RW DEL.) pct
Jan 2012	0.61	0.38	0.91	0.00
Feb 2012	1.25	0.71	1.88	0.00
Mar 2012	1.12	0.73	1.40	0.00
Apr 2012	0.49	0.32	1.24	0.00
May 2012	0.60	0.47	1.98	0.00
Jun 2012	0.40	0.28	1.92	0.00
Jul 2012	0.79	0.55	2.41	0.00
Aug 2012	0.26	0.23	0.76	0.00
Sep 2012	0.55	0.47	1.16	0.00
Oct 2012	0.40	0.32	1.26	0.00
Nov 2012	0.45	0.38	1.18	0.00
Dec 2012	0.97	0.73	2.17	0.00
Average	0.66	0.47	1.52	0.00

1657- Minimum Daily value is the average recorded value for the month.

1654- Maximum Daily value is the average recorded value for the month.

1687- Total Time for the month

Compliance monitoring point, values taken from DCS Point(S29A10203), located at the UV Vault in Area 29 (Tertiary UV Disinfection System)

SOUTH BAY WATER RECLAMATION PLANT

Annual 2012

Reclaim Water
(SB_REC_WATER_34)

Analyte:	Flow	pH	Biochemical Oxygen Demand	Total Suspended Solids	Volatile Suspended Solids	Total Dissolved Solids	Turbidity*
Units:	(mgd)	(pH units)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(NTU)
JANUARY -2012	1.96	7.36	2	<1.4	<1.6	960	NR
FEBRUARY -2012	1.72	7.41	3	1.5	<1.6	992	NR
MARCH -2012	1.89	7.40	2	1.7	<1.6	950	NR
APRIL -2012	2.65	7.42	<2	<1.4	ND	980	NR
MAY -2012	4.29	7.45	<2	<1.4	<1.6	1030	NR
JUNE -2012	5.22	7.42	<2	<1.4	<1.6	989	NR
JULY -2012	5.51	7.56	<2	<1.4	<1.6	1010	NR
AUGUST -2012	5.50	7.47	<2	<1.4	<1.6	1050	0.78
SEPTEMBER -2012	4.96	7.54	<2	<1.4	<1.4	1030	NR
OCTOBER -2012	3.91	7.53	<2	<1.4	<1.4	944	0.80
NOVEMBER -2012	2.62	7.42	<2	<1.4	ND	935	NR
DECEMBER -2012	0.60	7.48	<2	<1.4	<1.4	952	NR
Average	3.40	7.46	1	0.3	0.0	985	0.79

*= Not for compliance monitoring

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT
SB_REC_WATER_34 Reclaimed Water- Annual Averages

Annual 2012

Analyte:	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 -2012	NR	NR	NR	NR	NR	207
FEBRUARY -2012	566	ND	0.7	36.8	0.03	269
MARCH -2012	NR	NR	NR	NR	NR	279
APRIL -2012	NR	NR	NR	NR	NR	305
MAY -2012	93	ND	0.7	43.7	ND	311
JUNE -2012	NR	NR	NR	NR	NR	355
JULY -2012	137	ND	NR	46.1	ND	313
AUGUST -2012	127	ND	0.6	47.2	ND	247
SEPTEMBER-2012	NR	NR	NR	NR	NR	310
OCTOBER -2012	130	ND	0.6	43.6	ND	282
NOVEMBER -2012	NR	NR	NR	NR	NR	277
DECEMBER -2012	NR	NR	NR	NR	NR	317
=====	=====	=====	=====	=====	=====	=====
Annual Average:	211	ND	0.7	43.5	0.01	289

Analyte:	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 -2012	NR	NR	NR	51	51.3	NR
FEBRUARY -2012	ND	ND	7.5	ND	57.1	ND
MARCH -2012	NR	NR	NR	44	19.7	NR
APRIL -2012	NR	NR	NR	ND	17.3	NR
MAY -2012	ND	1.30	8.8	115	17.8	ND
JUNE -2012	NR	NR	NR	170	7.8	NR
JULY -2012	ND	ND	11.3	68	48.2	NR
AUGUST -2012	ND	ND	6.4	ND	9.5	ND
SEPTEMBER-2012	NR	NR	NR	37	9.7	NR
OCTOBER -2012	ND	3.83	7.6	56	26.5	<0.005
NOVEMBER -2012	NR	NR	NR	ND	18.8	NR
DECEMBER -2012	NR	NR	NR	ND	18.4	NR
=====	=====	=====	=====	=====	=====	=====
Annual Average:	ND	1.03	8.3	45	25.2	0.000

Analyte:	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 -2012	NR	NR	NR	278	0.66	160
FEBRUARY -2012	5.29	0.42	ND	285	0.62	165
MARCH -2012	NR	NR	NR	274	0.57	155
APRIL -2012	NR	NR	NR	268	0.58	159
MAY -2012	5.60	0.35	ND	278	0.58	164
JUNE -2012	NR	NR	NR	263	0.50	167
JULY -2012	4.48	NR	4.7	258	0.62	164
AUGUST -2012	4.25	0.39	ND	250	0.55	155
SEPTEMBER-2012	NR	NR	NR	259	0.60	151
OCTOBER -2012	4.26	0.40	4.1	260	0.55	142
NOVEMBER -2012	NR	NR	NR	251	0.56	138
DECEMBER -2012	NR	NR	NR	271	0.55	143
=====	=====	=====	=====	=====	=====	=====
Annual Average:	4.78	0.39	1.8	266	0.58	155

ND= Not Detected
NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
SB_REC_WATER_34 Reclaimed Water- Annual Averages

Annual 2012

Analyte:	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 -2012	NR	0.14	56.9	70.6	34.1	18.4
FEBRUARY -2012	0.002	0.14	57.0	69.5	33.9	17.8
MARCH -2012	NR	0.10	56.9	62.8	29.8	16.5
APRIL -2012	NR	0.10	57.0	65.9	32.0	17.6
MAY -2012	0.004	0.17	56.9	62.4	29.0	16.0
JUNE -2012	NR	0.12	57.7	64.6	30.2	17.5
JULY -2012	NR	0.17	58.1	67.1	31.5	18.3
AUGUST -2012	0.002	0.15	57.2	65.1	30.1	17.7
SEPTEMBER -2012	NR	0.16	57.1	61.4	32.2	17.5
OCTOBER -2012	0.003	0.18	58.3	60.7	31.6	17.4
NOVEMBER -2012	NR	0.25	58.4	56.9	30.0	17.4
DECEMBER -2012	NR	0.26	58.7	64.3	33.9	19.3
Annual Average:	0.003	0.16	57.5	64.3	31.5	17.6

Analyte:	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 -2012	206	177	140	317	960	0.02
FEBRUARY -2012	203	174	139	313	992	0.02
MARCH -2012	182	157	122	279	950	0.02
APRIL -2012	195	165	131	296	980	0.02
MAY -2012	180	156	119	275	1030	0.02
JUNE -2012	194	162	124	286	989	0.02
JULY -2012	204	168	129	297	1010	0.02
AUGUST -2012	190	163	123	286	1050	0.02
SEPTEMBER -2012	189	154	132	286	1030	0.02
OCTOBER -2012	196	152	130	282	944	0.02
NOVEMBER -2012	186	142	123	265	935	0.02
DECEMBER -2012	212	161	139	300	952	0.02
Annual Average:	195	160.9	129	290	985	0.02

Analyte:	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 -2012	NR	NR	NR	28.7	5.3	155
FEBRUARY -2012	ND	2.85	0.66	29.3	4.3	185
MARCH -2012	NR	NR	NR	32.0	4.7	179
APRIL -2012	NR	NR	NR	33.9	6.0	174
MAY -2012	ND	3.16	1.69	38.9	5.1	167
JUNE -2012	NR	NR	NR	40.2	7.4	176
JULY -2012	ND	2.97	0.69	29.4	5.6	175
AUGUST -2012	ND	2.35	1.07	40.0	5.2	170
SEPTEMBER -2012	NR	NR	NR	35.3	8.3	171
OCTOBER -2012	ND	2.51	0.92	32.2	4.0	199
NOVEMBER -2012	NR	NR	NR	36.2	5.8	178
DECEMBER -2012	NR	NR	NR	32.8	4.3	190
Annual Average:	ND	2.77	1.006	34.1	5.5	177

ND= Not Detected
NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
Reclaimed Water

Annual 2012

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		07-FEB-2012	01-MAY-2012	07-AUG-2012	02-OCT-2012
Sample ID:	MDL Units	P602896	P614121	P627029	P634451
=====					
Aluminum	47 UG/L	566	93	127	130
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.7	0.7	0.6	0.6
Barium	.039 UG/L	36.8	43.7	47.2	43.6
Beryllium	.022 UG/L	0.025	ND	ND	ND
Boron	7 UG/L	269	311	247	282
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	1.3	ND	3.8
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	8	9	6	8
Iron	37 UG/L	ND	115	ND	56
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	57.1	17.8	9.5	26.5
Mercury	.005 UG/L	ND	ND	ND	<0.005
Molybdenum	.89 UG/L	2.9	3.2	2.4	2.5
Nickel	.53 UG/L	5.29	5.6	4.25	4.26
Selenium	.28 UG/L	0.42	0.35	0.39	0.40
Silver	.4 UG/L	ND	ND	ND	ND
Thallium, Total Recoverable	3.9 UG/L	ND	ND	ND	4.1
Vanadium	.64 UG/L	0.66	1.69	1.07	0.92
Zinc	2.5 UG/L	21.7	41	32.5	23.5
=====					
Bromide	.1 MG/L	0.6	0.5	0.4	0.4
Chloride	7 MG/L	289	271	251	255
Fluoride	.05 MG/L	0.66	0.60	0.57	0.61
Nitrate	.04 MG/L	26.5	42.5	43.1	22.0
Ortho Phosphate	.2 MG/L	2.6	7.3	5.4	1.6
Sulfate	9 MG/L	177	174	160	146
=====					
Calcium	.04 MG/L	71	62	65	61
Lithium	.002 MG/L	0.024	0.025	0.023	0.019
Magnesium	.1 MG/L	35	29	30	32
Potassium	.3 MG/L	18	16	18	17
Sodium	1 MG/L	209	180	190	196
=====					
Calcium Hardness	.1 MG/L	177	156	163	152
Magnesium Hardness	.4 MG/L	144	120	124	131
Total Hardness	.4 MG/L	321	276	287	282
=====					
Cyanides, Total	.002 MG/L	0.002	0.004	0.002	0.003
Sulfides-Total	.4 MG/L	ND	ND	ND	ND
Total Kjeldahl Nitrogen	1.6 MG/L	4.0	2.2	ND	7.0
Ammonia-N	.3 MG/L	0.7	ND	ND*	3.1
Adjusted Sodium Adsorption	MG/L	5.5	4.9	5.3	5.5
Percent Sodium	PERCENT	57.0	56.9	57.2	58.3
Total Organic Carbon	MG/L	13.2	13.1	10.4	11.8

*= This analysis was performed on sample: = P628842 that was collected August 9, 2012.
ND= Not Detected

SOUTH BAY WATER RECLAMATION PLANT
Radioactivity

Annual 2012

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
SB_REC_WATER_34	07-FEB-2012	P602896	2.9 ± 3.7	21.8 ± 6.3
SB_REC_WATER_34	01-MAY-2012	P614121	6.0 ± 4.1	21.2 ± 7.1
SB_REC_WATER_34	07-AUG-2012	P627029	-2.0 ± 2.7	20.1 ± 5.0
SB_REC_WATER_34	02-OCT-2012	P634451	1.9 ± 3.1	18.6 ± 3.5

Units in picocuries per Liter (pCi/L)

South Bay Water Reclamation Plant
Chlorinated Pesticides

Reclaimed Water

Annual 2012

Date:			07-FEB-2012	01-MAY-2012	07-AUG-2012	02-OCT-2012
Analyte	MDL	Units	P602896	P614121	P627029	P634451
Aldrin	7	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	7	NG/L	ND	ND	ND	ND
BHC, Beta isomer	6	NG/L	ND	ND	ND	ND
BHC, Delta isomer	4	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	5	NG/L	ND	ND	ND	ND
Dieldrin	8	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	5	NG/L	ND	ND	ND	ND
Endrin	8	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	4	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	8	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 Analysis

Annual 2012

Source:		REC_WATER	REC_WATER
Date:		01-MAY-2012	02-OCT-2012
Analyte	MDL Units	P614121	P634451
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 2012

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		07-FEB-2012	01-MAY-2012	07-AUG-2012	02-OCT-2012
Analyte	MDL Units	P602896	P614121	P627029	P634451
=====		=====	=====	=====	=====
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 2012

Source:			REC_WATER	REC_WATER	REC_WATER	REC_WATER
Date:			07-FEB-2012	01-MAY-2012	07-AUG-2012	02-OCT-2012
Analyte	MDL	Units	P602896	P614121	P627029	P634451
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	0.0	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

Additional analytes determined

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
Reclaimed water

Base/Neutrals

Annual 2012

Source:			REC_WATER	REC_WATER	REC_WATER	REC_WATER
Date:			07-FEB-2012	01-MAY-2012	07-AUG-2012	02-OCT-2012
Analyte	MDL	Units	P602896	P614121	P627029	P634451
=====	=====	=====	=====	=====	=====	=====
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
=====	=====	=====	=====	=====	=====	=====
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 2012

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		07-FEB-2012	01-MAY-2012	07-AUG-2012	02-OCT-2012
Analyte	MDL Units	P602899	P614124	P627032	P634454
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
Chloromethane	.5 UG/L	ND	0.5	ND	ND
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	ND	ND	ND	ND
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	1.1	14.4	9.9	0.8
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	13.5	9.2	ND
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	6.8	6.0	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
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
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.5	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	1.1	14.9	9.9	0.8
Purgeable Compounds	1.3 UG/L	1.1	35.2	25.1	0.8
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
Acetone	4.5 UG/L	ND	23.8	ND	ND
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

ND= not detected

South Bay Water Reclamation Plant
Reclaimed Water

Benzidines

Annual 2012

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		07-FEB-2012	01-MAY-2012	07-AUG-2012	02-OCT-2012
Analyte	MDL Units	P602896	P614121	P627029	P634451
=====	====	=====	=====	=====	=====
3,3-Dichlorobenzidine	2.44 UG/L	ND	ND	ND	ND
Benzidine	1.52 UG/L	ND	ND	ND	ND

ND= Not Detected

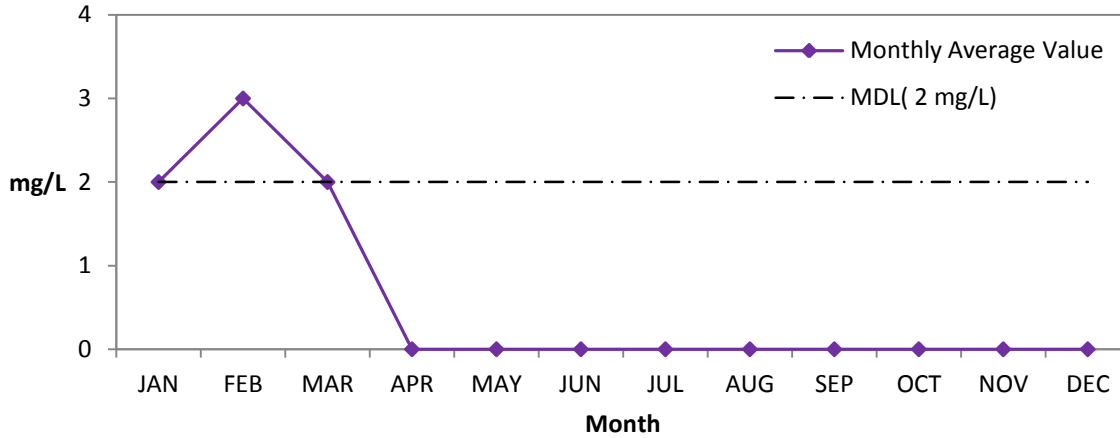
B. Reclaimed Water Graphs

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

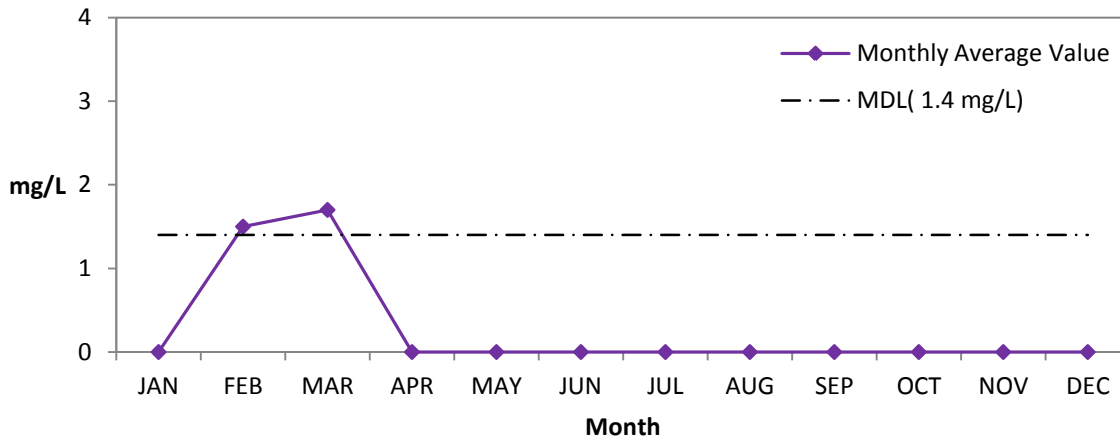
Please note that many of the graphs are on expanded scales. That is, they normally don't go to zero concentrations but show, in magnified scale, that range of concentrations where variation takes place. This makes differences and some trends obvious that might normally not be noticed. However, it also 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.

2012 South Bay Reclaimed Water

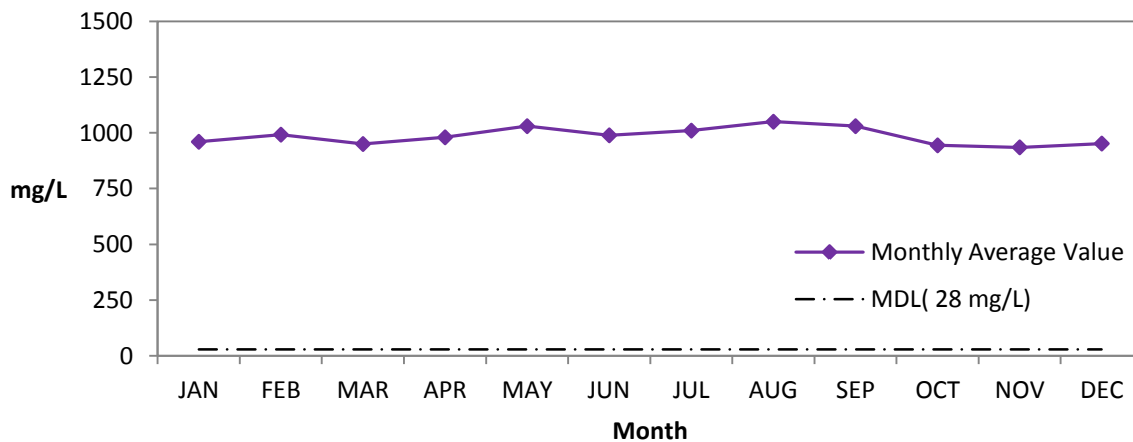
Biological Oxygen Demand



Total Suspended Solids

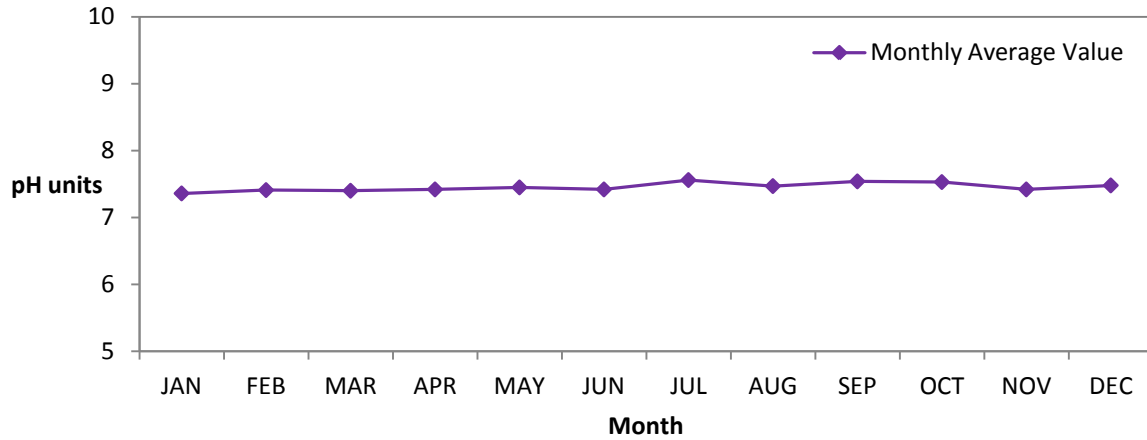


Total Dissolved Solids

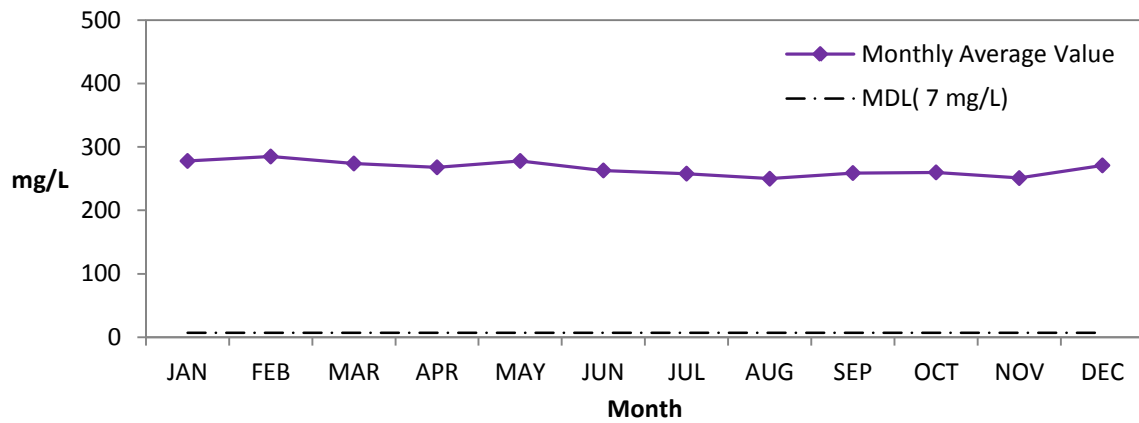


2012 South Bay Reclaimed Water

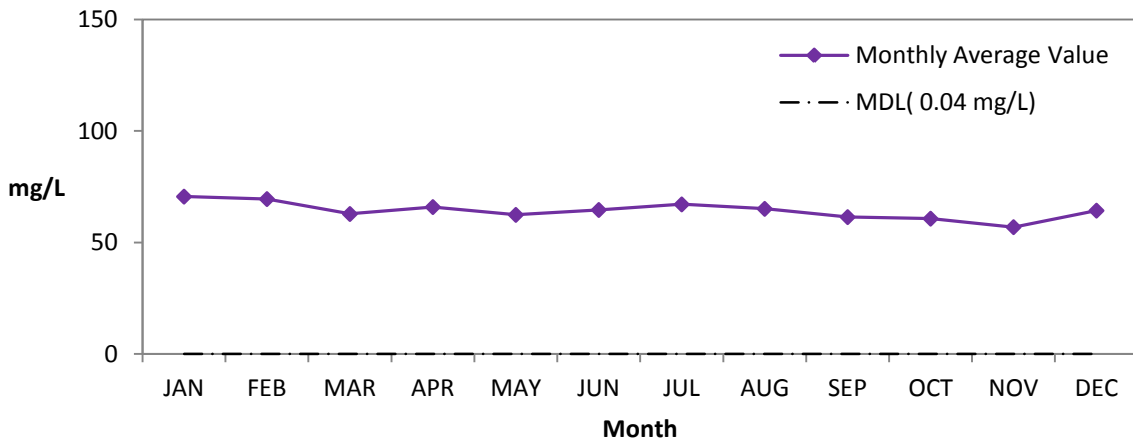
pH



Chloride

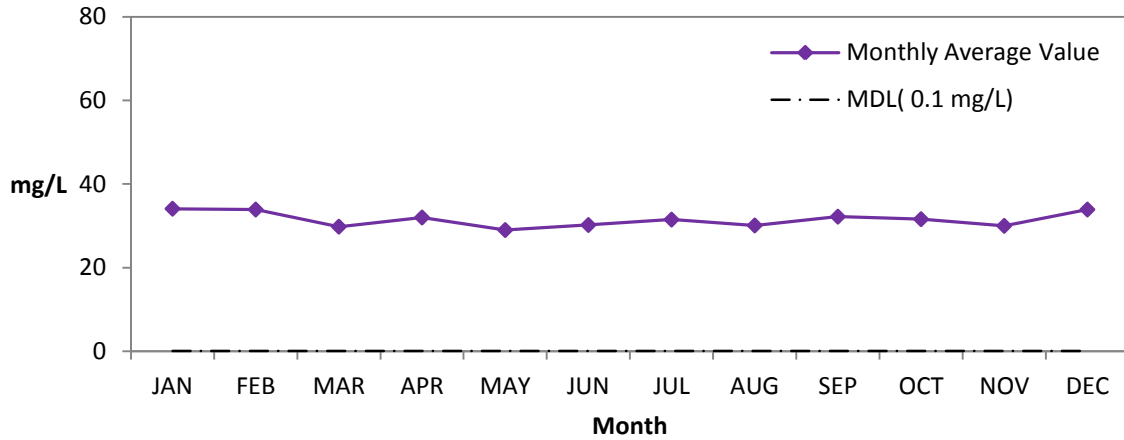


Calcium

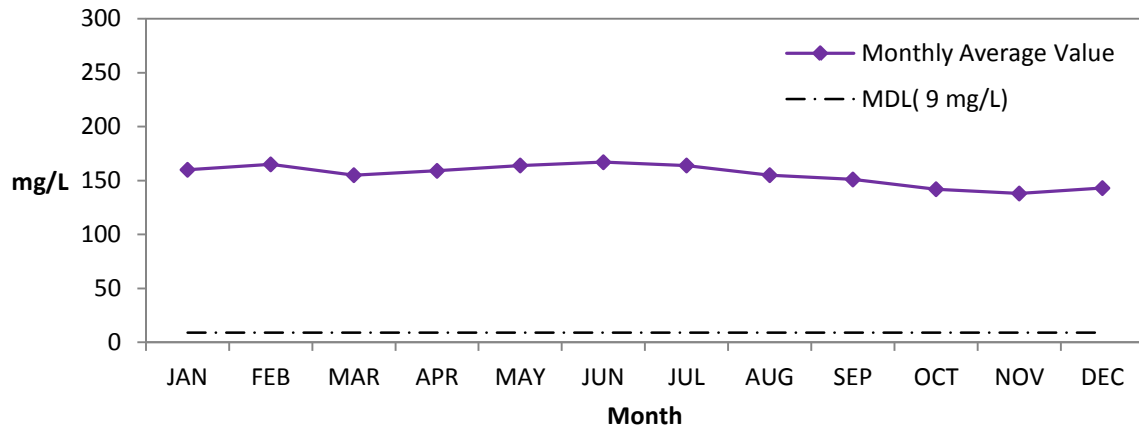


2012 South Bay Reclaimed Water

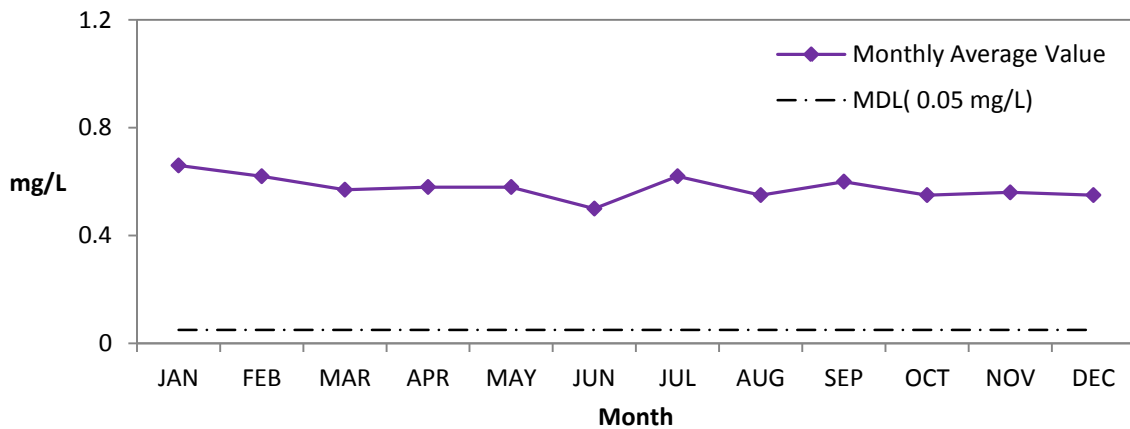
Magnesium



Sulfate

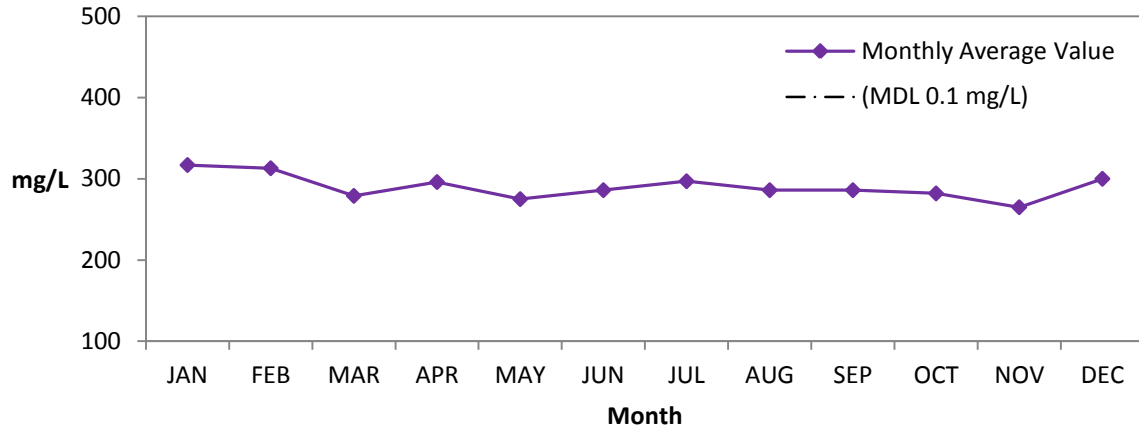


Fluoride

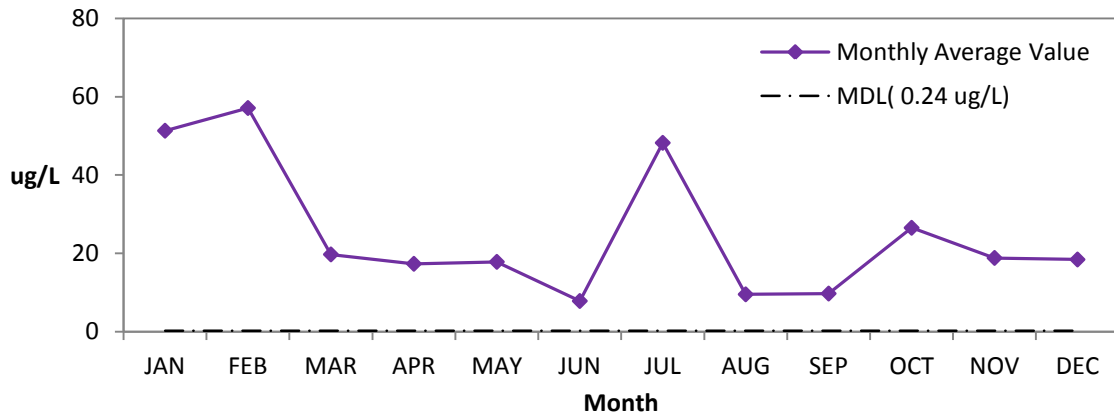


2012 South Bay Reclaimed Water

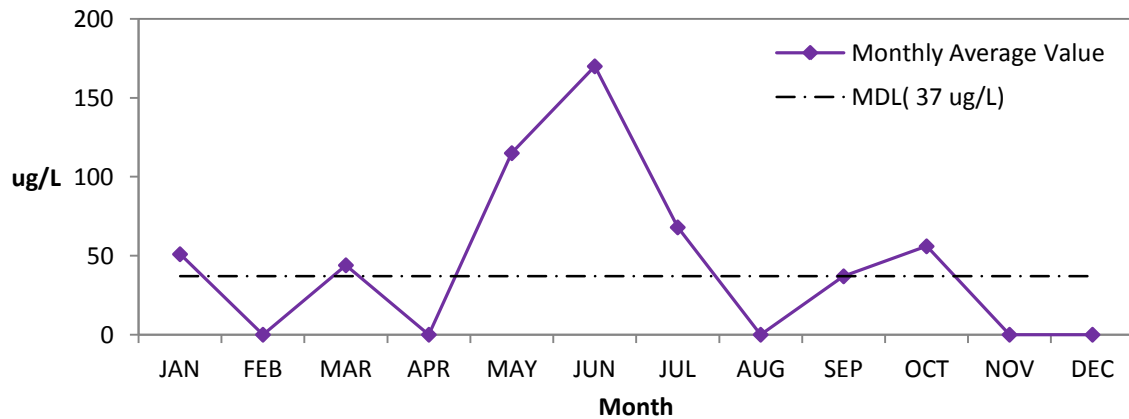
Total Hardness



Manganese

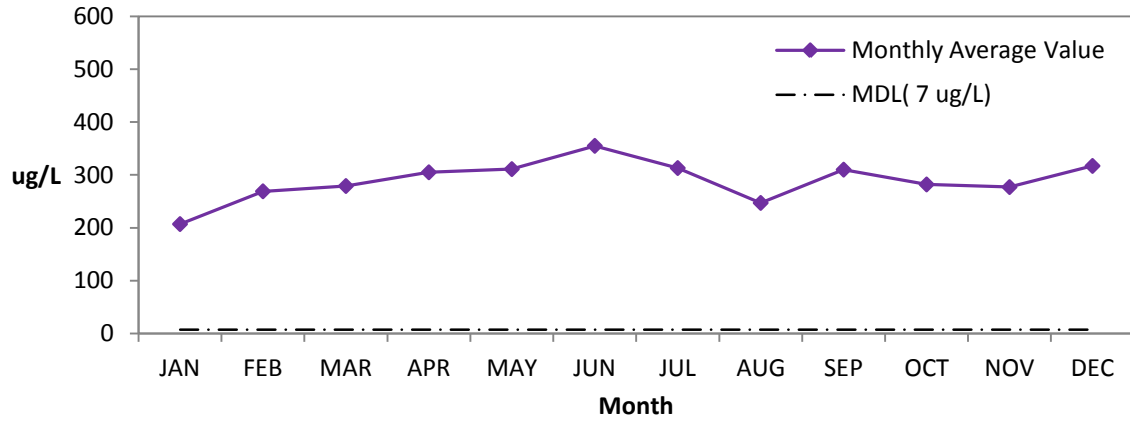


Iron

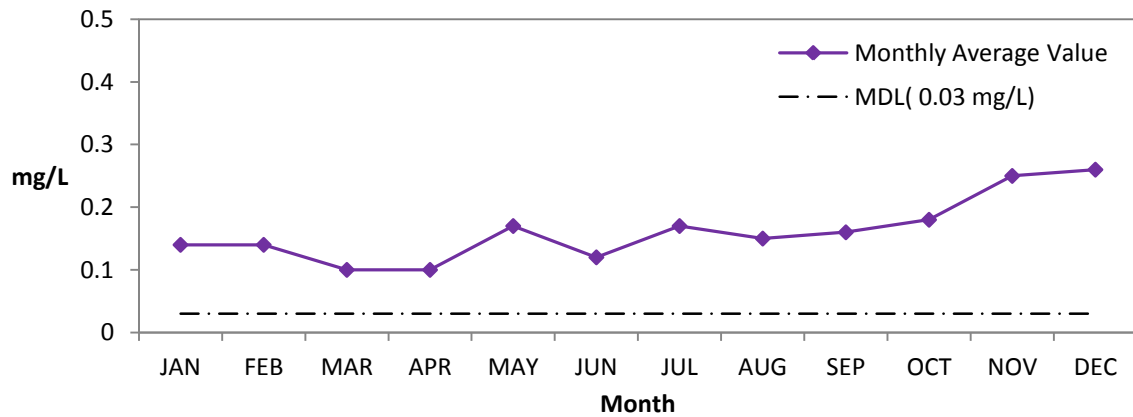


2012 South Bay Reclaimed Water

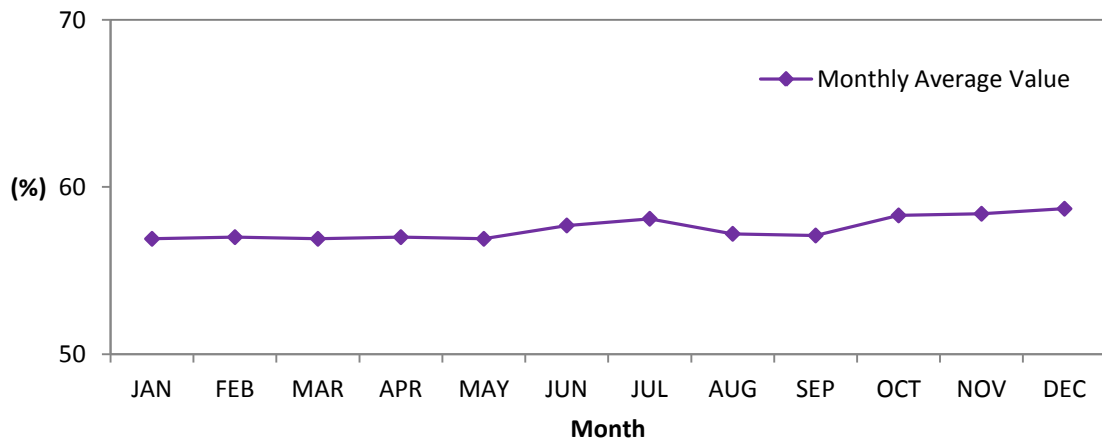
Boron



MBAS



Percent Sodium

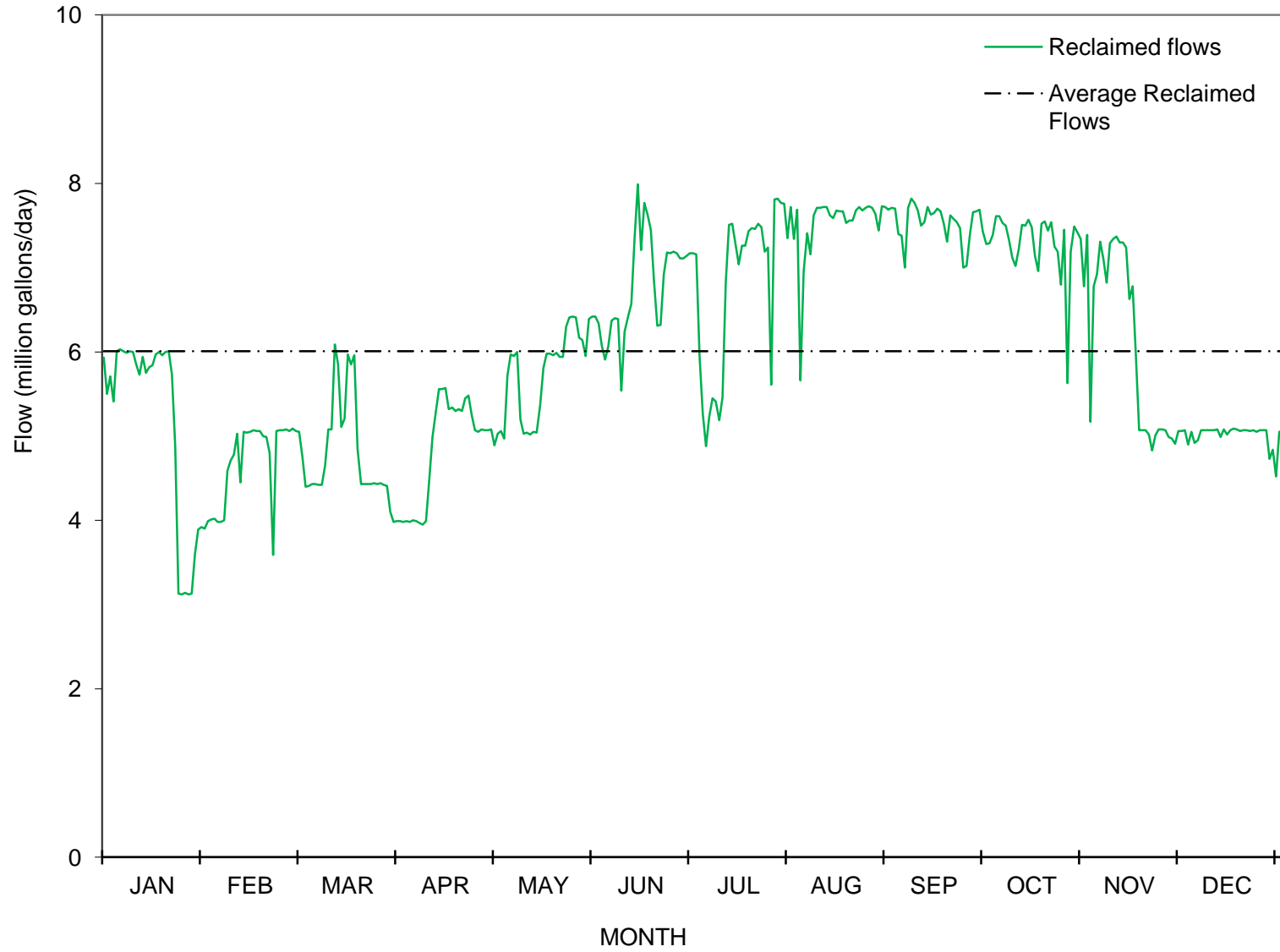


This page is left blank intentionally.

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 2012 Reclaimed Production Flows



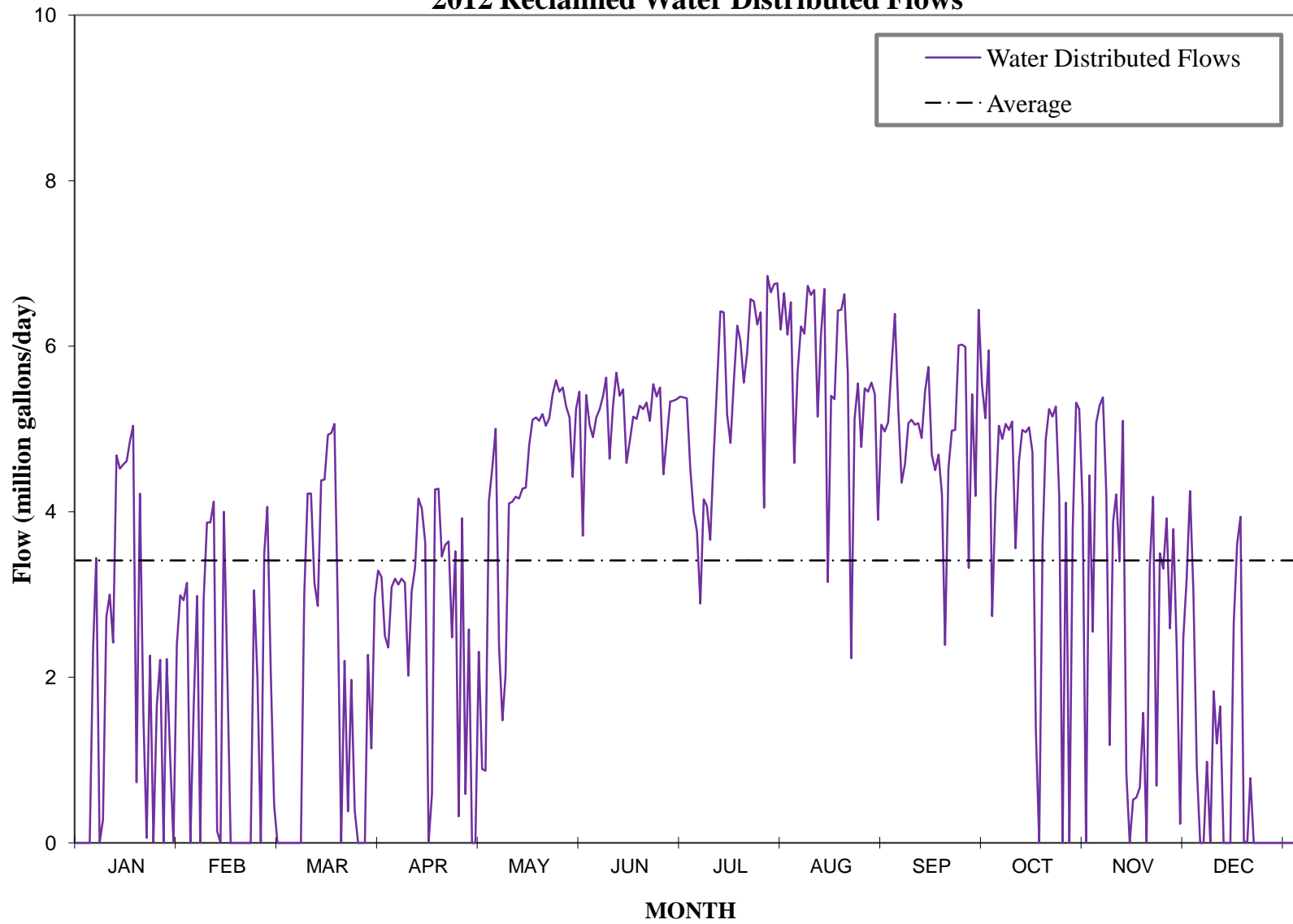
Daily Flows - Reclaimed Water Produced in 2012

Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	5.93	3.90	5.05	3.99	5.03	6.34	7.16	7.69	7.40	7.61	6.92	4.92	
2	5.50	3.99	4.76	3.98	5.06	6.07	5.96	5.66	7.38	7.61	7.31	4.95	
3	5.71	4.01	4.40	3.99	4.97	5.91	5.27	6.96	7.00	7.53	7.10	5.07	
4	5.41	4.02	4.41	3.98	5.72	6.07	4.88	7.41	7.71	7.50	6.82	5.07	
5	6.01	3.98	4.43	4.00	5.97	6.37	5.23	7.16	7.82	7.33	7.29	5.07	
6	6.03	3.98	4.43	3.99	5.95	6.40	5.45	7.62	7.77	7.12	7.34	5.07	
7	6.01	4.00	4.42	3.97	6.00	6.39	5.41	7.71	7.68	7.02	7.37	5.07	
8	5.99	4.59	4.42	3.95	5.20	5.54	5.19	7.71	7.50	7.22	7.30	5.08	
9	6.01	4.71	4.65	3.99	5.03	6.24	5.46	7.72	7.54	7.51	7.30	4.99	
10	6.00	4.78	5.08	4.48	5.04	6.42	6.82	7.72	7.72	7.50	7.24	5.08	
11	5.85	5.03	5.08	4.99	5.02	6.57	7.51	7.62	7.63	7.57	6.63	5.02	
12	5.73	4.45	6.09	5.28	5.05	7.35	7.52	7.59	7.65	7.48	6.78	5.07	
13	5.94	5.05	5.85	5.56	5.04	7.99	7.28	7.68	7.70	7.14	5.95	5.09	
14	5.75	5.04	5.11	5.56	5.37	7.21	7.04	7.67	7.67	6.96	5.07	5.08	
15	5.82	5.05	5.21	5.57	5.81	7.77	7.26	7.67	7.52	7.52	5.07	5.06	
16	5.84	5.07	5.97	5.32	5.98	7.63	7.26	7.53	7.31	7.55	5.07	5.07	
17	5.97	5.06	5.85	5.34	5.98	7.45	7.43	7.56	7.62	7.44	5.02	5.07	
18	6.00	5.06	5.96	5.30	5.96	6.83	7.47	7.56	7.58	7.54	4.83	5.06	
19	5.96	5.00	4.85	5.32	5.99	6.31	7.46	7.68	7.54	7.25	5.01	5.07	
20	6.00	4.99	4.43	5.30	5.94	6.32	7.52	7.72	7.47	7.19	5.08	5.05	
21	6.01	4.80	4.43	5.45	5.94	6.92	7.48	7.68	7.00	6.80	5.08	5.07	
22	5.73	3.59	4.43	5.48	6.30	7.18	7.19	7.71	7.02	7.45	5.07	5.07	
23	4.88	5.06	4.43	5.25	6.41	7.17	7.24	7.73	7.38	5.63	4.99	5.07	
24	3.13	5.07	4.44	5.07	6.42	7.19	5.61	7.71	7.66	7.19	4.97	4.73	
25	3.12	5.07	4.43	5.05	6.41	7.17	7.81	7.64	7.67	7.49	4.91	4.84	
26	3.14	5.08	4.44	5.08	6.17	7.11	7.82	7.44	7.69	7.42	5.06	4.52	
27	3.12	5.06	4.42	5.07	6.14	7.11	7.77	7.73	7.43	7.34	5.06	5.05	
28	3.13	5.09	4.41	5.07	5.95	7.14	7.76	7.72	7.28	6.78	5.07	5.06	
29	3.60	5.06	4.10	5.08	6.39	7.17	7.35	7.69	7.29	7.39	4.90	5.05	
30	3.89		3.98	4.89	6.42	7.17	7.72	7.71	7.39	5.17	5.05	4.87	
31	3.92		3.99		6.42		7.34	7.70		6.78		5.02	
Average	5.20	4.68	4.77	4.85	5.78	6.82	6.83	7.55	7.50	7.19	5.89	5.01	6.01
Minimum	3.12	3.59	3.98	3.95	4.97	5.54	4.88	5.66	7.00	5.17	4.83	4.52	3.12
Maximum	6.03	5.09	6.09	5.57	6.42	7.99	7.82	7.73	7.82	7.61	7.37	5.09	7.99
Total	161	136	148	145	179	205	212	234	225	223	177	155	2200

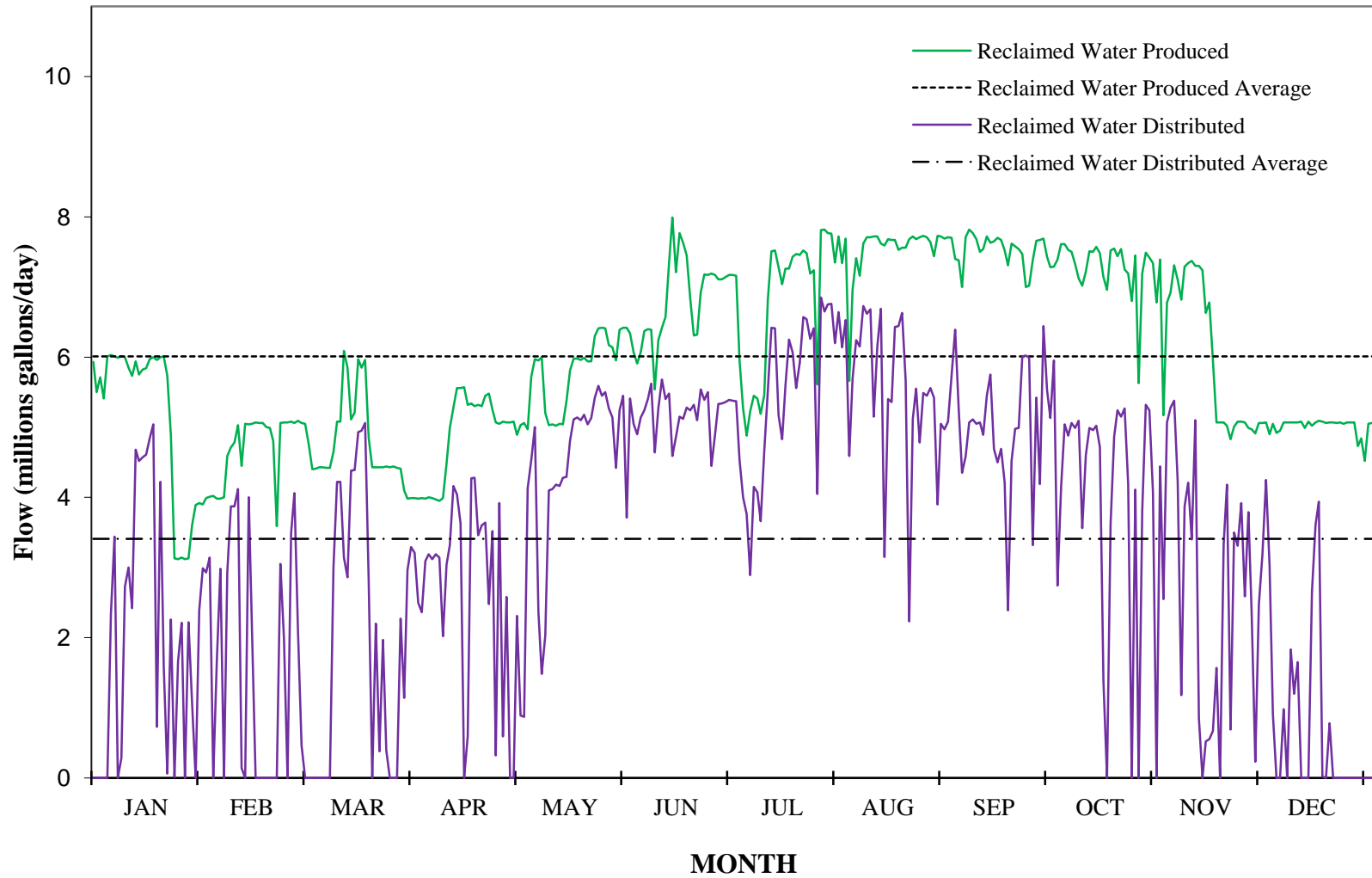
Daily Flows - Reclaimed Water Distributed in 2012

Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	0.00	2.99	0.00	3.21	0.89	5.41	5.37	6.53	6.39	4.14	5.28	0.00	
2	0.00	2.93	0.00	2.50	0.87	5.05	4.54	4.59	5.25	5.04	5.38	0.00	
3	0.00	3.14	0.00	2.36	4.13	4.90	4.00	5.69	4.35	4.88	4.22	0.98	
4	0.00	0.00	0.00	3.09	4.53	5.14	3.76	6.24	4.58	5.06	1.18	0.00	
5	0.00	1.67	0.00	3.19	5.00	5.24	2.89	6.15	5.07	4.99	3.87	1.83	
6	2.34	2.98	0.00	3.12	2.37	5.40	4.15	6.73	5.11	5.09	4.21	1.20	
7	3.44	0.00	0.00	3.19	1.48	5.62	4.07	6.62	5.05	3.56	3.40	1.65	
8	0.00	2.93	0.00	3.14	2.03	4.64	3.66	6.68	5.07	4.60	5.10	0.00	
9	0.28	3.87	3.00	2.02	4.10	5.27	4.66	5.15	4.89	4.99	0.85	0.00	
10	2.73	3.87	4.22	3.04	4.12	5.68	5.52	6.15	5.45	4.96	0.00	0.00	
11	3.00	4.12	4.22	3.32	4.18	5.40	6.42	6.69	5.75	5.02	0.52	2.65	
12	2.42	0.14	3.14	4.16	4.16	5.48	6.41	3.15	4.69	4.72	0.55	3.61	
13	4.68	0.00	2.86	4.04	4.28	4.59	5.17	5.40	4.50	1.38	0.67	3.94	
14	4.52	4.00	4.38	3.63	4.29	4.86	4.83	5.36	4.69	0.00	1.57	0.02	
15	4.57	2.08	4.39	0.00	4.81	5.15	5.59	6.43	4.21	3.62	0.00	0.00	
16	4.61	0.00	4.93	0.59	5.11	5.12	6.25	6.44	2.39	4.87	3.33	0.78	
17	4.84	0.00	4.95	4.27	5.14	5.28	6.07	6.63	4.52	5.24	4.18	0.00	
18	5.04	0.00	5.06	4.28	5.10	5.24	5.56	5.67	4.98	5.15	0.69	0.00	
19	0.73	0.00	2.82	3.46	5.18	5.32	5.92	2.23	4.99	5.27	3.50	0.00	
20	4.22	0.00	0.00	3.60	5.04	5.10	6.57	5.12	6.01	4.18	3.31	0.00	
21	1.59	0.00	2.20	3.64	5.13	5.54	6.54	5.55	6.02	0.00	3.92	0.00	
22	0.06	0.00	0.38	2.48	5.42	5.39	6.26	4.78	5.99	4.11	2.59	0.00	
23	2.26	3.05	1.97	3.52	5.59	5.50	6.41	5.49	3.32	0.00	3.79	0.00	
24	0.01	1.99	0.39	0.32	5.45	4.45	4.05	5.45	5.42	3.80	2.32	0.00	
25	1.66	0.00	0.00	3.92	5.50	4.89	6.85	5.56	4.19	5.32	0.23	0.00	
26	2.21	3.49	0.00	0.59	5.27	5.33	6.65	5.42	6.44	5.24	2.47	0.00	
27	0.00	4.06	0.00	2.58	5.14	5.34	6.75	3.90	5.53	4.07	3.19	0.00	
28	2.22	2.09	2.27	0.00	4.42	5.36	6.76	5.05	5.13	0.00	4.25	0.00	
29	1.07	0.46	1.14	0.00	5.24	5.39	6.20	4.97	5.95	4.44	3.02	0.00	
30	0.00		2.96	2.31	5.45	5.38	6.64	5.08	2.74	2.55	0.91	0.00	
31	2.39		3.29		3.71		6.14	5.74		5.07		1.94	Annual Summary
Average	1.96	1.72	1.89	2.65	4.29	5.22	5.51	5.50	4.96	3.91	2.62	0.60	3.40
Minimum	0.00	0.00	0.00	0.00	0.87	4.45	2.89	2.23	2.39	0.00	0.00	0.00	0.00
Maximum	5.04	4.12	5.06	4.28	5.59	5.68	6.85	6.73	6.44	5.32	5.38	3.94	6.85
Total	60.9	49.9	58.6	79.6	133.1	156.5	170.7	170.6	148.7	121.4	78.5	18.6	1247

South Bay Wastewater Reclamation Plant 2012 Reclaimed Water Distributed Flows

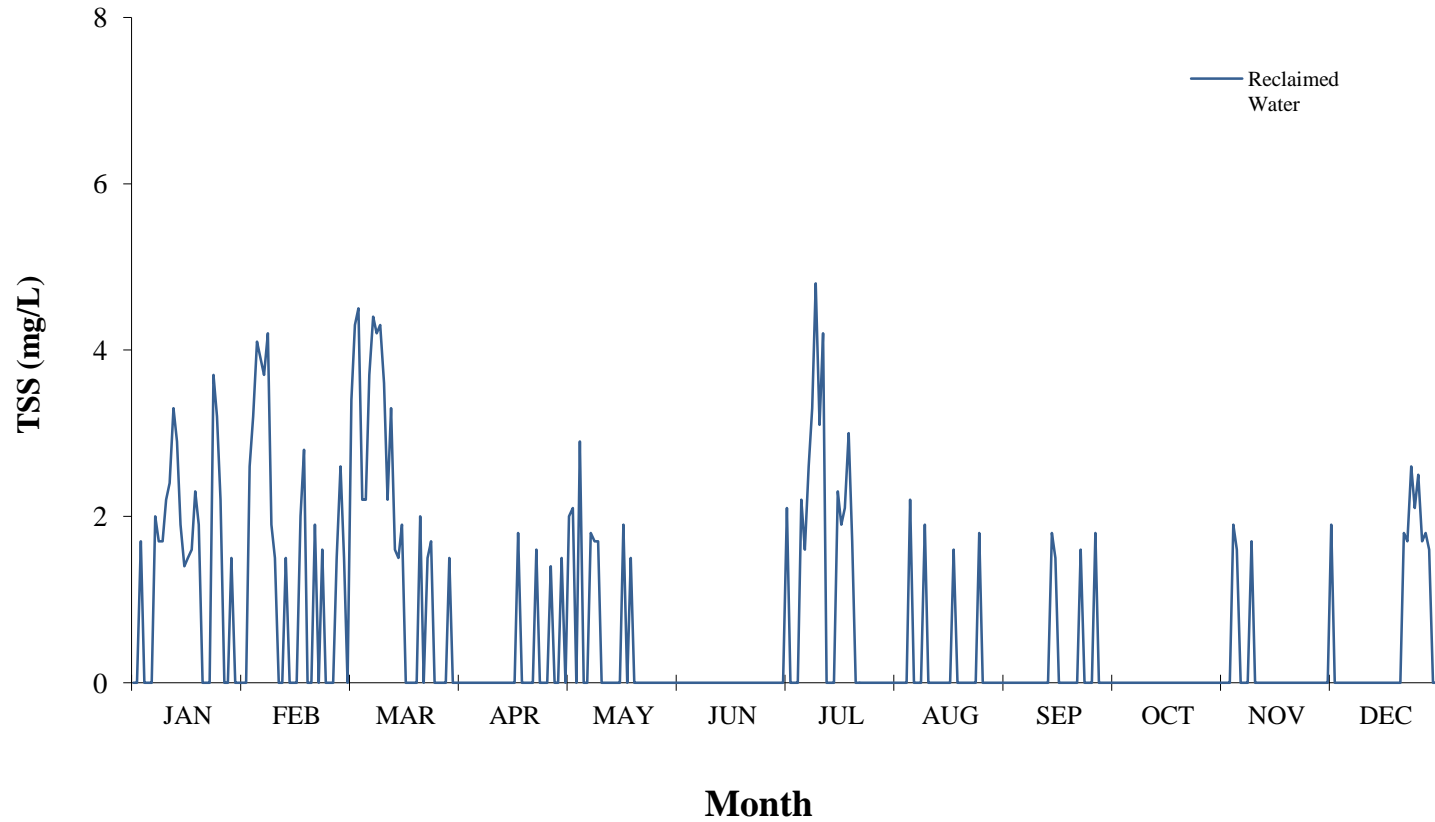


South Bay Wastewater Reclamation Plant 2012 Reclaimed Water Produced and Distributed Flows



This page left blank intentionally.

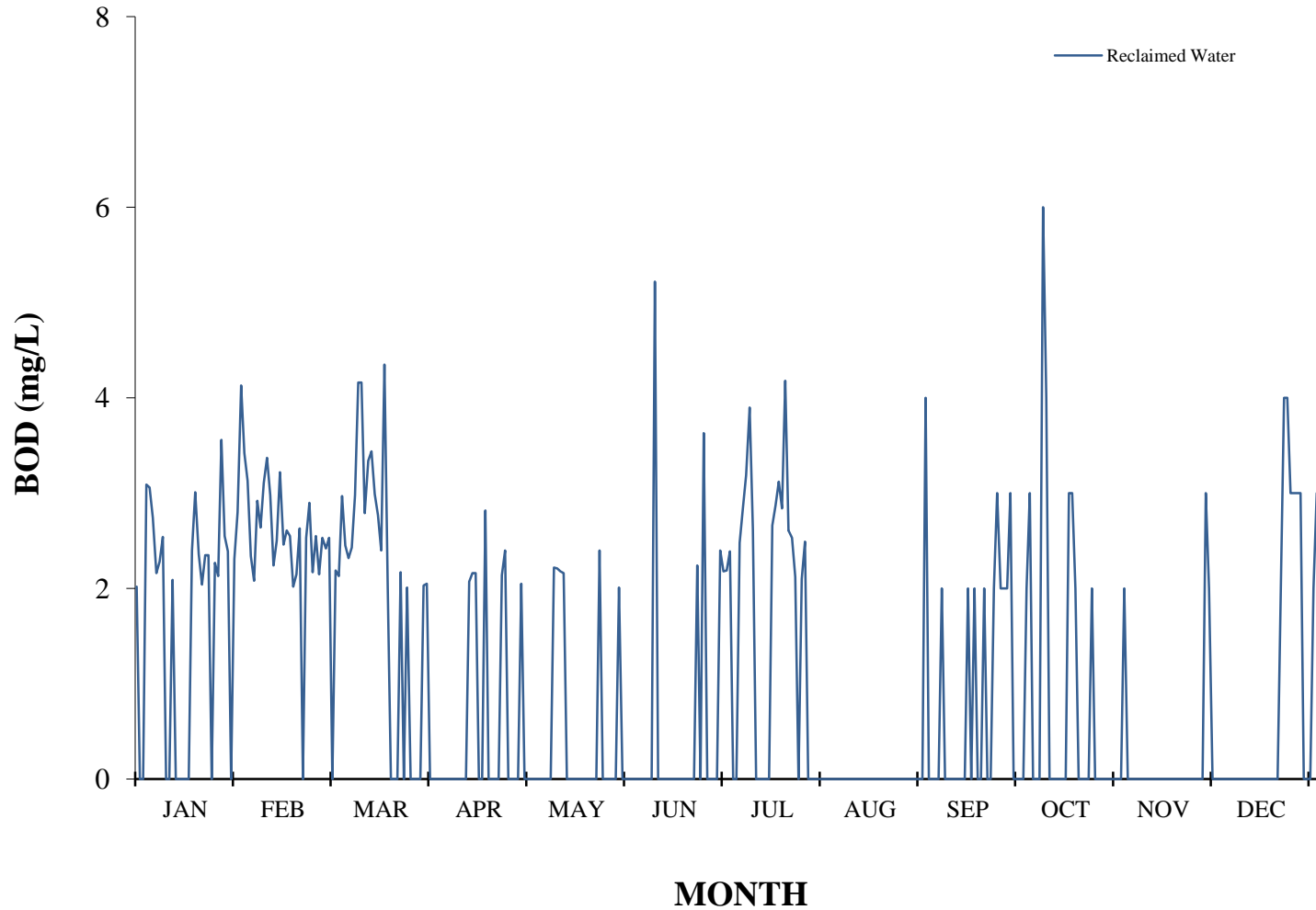
South Bay Wastewater Reclamation Plant 2012 Total Suspended Solids



Daily Reclaimed Water TSS Values in 2012

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	ND	ND	3.4	ND	2.1	ND	ND	ND	ND	ND	ND	ND	
2	ND	2.6	4.3	ND	ND	ND	ND	2.2	ND	ND	ND	ND	
3	1.7	3.2	4.5	ND	2.9	ND	2.2	ND	ND	ND	ND	ND	
4	ND	4.1	2.2	ND	ND	ND	1.6	ND	ND	ND	1.7	ND	
5	ND	3.9	2.2	ND	ND	ND	2.6	ND	ND	ND	ND	ND	
6	ND	3.7	3.7	ND	1.8	ND	3.3	1.9	ND	ND	ND	ND	
7	2.0	4.2	4.4	ND	1.7	ND	4.8	ND	ND	ND	ND	ND	
8	1.7	1.9	4.2	ND	1.7	ND	3.1	ND	ND	ND	ND	ND	
9	1.7	1.5	4.3	ND	ND	ND	4.2	ND	ND	ND	ND	ND	
10	2.2	ND	3.6	ND	ND	ND	ND	ND	1.8	ND	ND	ND	
11	2.4	ND	2.2	ND	ND	ND	ND	ND	1.5	ND	ND	ND	
12	3.3	1.5	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	
13	2.9	ND	1.6	ND	ND	ND	2.3	ND	ND	ND	ND	ND	
14	1.9	ND	1.5	ND	ND	ND	1.9	1.6	ND	ND	ND	ND	
15	1.4	ND	1.9	ND	1.9	ND	2.1	ND	ND	ND	ND	ND	
16	1.5	2.0	ND	1.8	ND	ND	3.0	ND	ND	ND	ND	1.8	
17	1.6	2.8	ND	ND	1.5	ND	1.7	ND	ND	ND	ND	1.7	
18	2.3	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	2.6	
19	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	
20	ND	1.9	2.0	ND	ND	ND	ND	ND	ND	ND	ND	2.5	
21	ND	NS	ND	1.6	ND	ND	ND	1.8	ND	ND	ND	1.7	
22	ND	1.6	1.5	ND	ND	ND	ND	ND	1.8	ND	ND	1.8	
23	3.7	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	1.6	
24	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
25	2.2	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	
26	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	
27	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
28	1.5	1.5	1.5	1.5	ND	ND	ND	ND	ND	ND	ND	ND	
29	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	
30	ND		ND	2.0	ND	ND	ND	ND	ND	1.9	ND	ND	
31	ND		ND		ND		ND	ND		1.6		ND	Annual Summary
Ave	1.26	1.40	1.74	0.28	0.44	0.07	1.06	0.24	0.22	0.11	0.12	0.51	0.62
Min	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Max	3.70	4.20	4.50	2.00	2.90	2.10	4.80	2.20	1.80	1.90	1.90	2.60	4.8

South Bay Wastewater Reclamation Plant 2012 Biochemical Oxygen Demand



Daily Reclaimed Water BOD Values 2012

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	2	3	ND	ND	ND	ND	2	ND	ND	3	ND	ND	
2	ND	4	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3	ND	3	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4	3	3	3	ND	ND	ND	2	ND	2	ND	ND	ND	
5	3	2	2	ND	ND	ND	3	ND	ND	6	ND	ND	
6	3	2	2	ND	ND	ND	3	ND	ND	4	ND	ND	
7	2	3	2	ND	ND	ND	4	ND	ND	ND	ND	ND	
8	2	3	3	ND	2	5	3	ND	ND	ND	ND	ND	
9	3	3	4	ND	2	ND	ND	ND	ND	ND	ND	ND	
10	ND	3	4	ND	2	ND	ND	ND	ND	ND	ND	ND	
11	ND	3	3	ND	2	ND	ND	ND	ND	ND	ND	ND	
12	2	2	3	2	ND	ND	ND	ND	2	ND	ND	ND	
13	ND	3	3	2	ND	ND	ND	ND	ND	3	ND	ND	
14	ND	3	3	2	ND	ND	3	ND	2	3	ND	ND	
15	ND	2	3	ND	ND	ND	3	ND	ND	2	ND	ND	
16	ND	3	2	ND	ND	ND	3	ND	ND	ND	ND	ND	
17	ND	3	4	3	ND	ND	3	ND	2	ND	ND	2	
18	2	2	2	ND	ND	ND	4	ND	ND	ND	ND	4	
19	3	2	ND	ND	ND	ND	3	ND	ND	ND	ND	4	
20	2	3	ND	ND	ND	ND	3	ND	2	2	ND	3	
21	2	NS	ND	ND	ND	2	2	ND	3	ND	ND	3	
22	2	3	2	2	2	ND	ND	ND	2	ND	ND	3	
23	2	3	ND	2	ND	4	2	ND	2	ND	ND	3	
24	ND	2	2	ND	ND	ND	2	ND	2	ND	3	ND	
25	2	3	ND	ND	ND	ND	ND	ND	3	ND	2	ND	
26	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
27	4	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
28	3	2	ND	2	2	2	ND	ND	ND	ND	ND	3	
29	2	3	2	ND	ND	2	ND	ND	ND	ND	ND	3	
30	ND		2	ND	ND	2	ND	4	2	2	ND	3	
31	2		ND		ND		ND	ND		ND		ND	Annual Summary
Ave	2	3	2	1	0	1	1	0	1	1	0	1	1
Min	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND
Max	4	4	4	3	2	5	4	4	3	6	3	4	6

D. Total Coliform Data Summaries

**2012 Annual South Bay Wastewater Reclamation Plant
Total Coliforms (MPN/ 100 ml)**

Sample Date	SAMPLE			FIELD DUPLICATE			Sample Date	SAMPLE			FIELD DUPLICATE		
	MPN /100 mL	7-day Median	30-day Average	MPN /100 mL	7-day Median	30-day Average		MPN /100 mL	7-day Median	30-day Average	MPN /100 mL	7-day Median	30-day Average
01-Jan-12	NS			NS			01-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
02-Jan-12	NS			NS			02-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
03-Jan-12	NS			NS			03-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
04-Jan-12	NS			NS			04-Mar-12	2	<1.8	<1.8	<1.8	<1.8	<1.8
05-Jan-12	NS			NS			05-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
06-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	06-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
07-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	07-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
08-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	08-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
09-Jan-12	2	<1.8	<1.8	<1.8	<1.8	<1.8	09-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
10-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	10-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
11-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	11-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
12-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	12-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
13-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	13-Mar-12	2	<1.8	<1.8	4.5	<1.8	<1.8
14-Jan-12	2	<1.8	<1.8	2	<1.8	<1.8	14-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
15-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	15-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
16-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	16-Mar-12	2	<1.8	<1.8	<1.8	<1.8	<1.8
17-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	17-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
18-Jan-12	4.5	<1.8	<1.8	<1.8	<1.8	<1.8	18-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
19-Jan-12	2	<1.8	<1.8	<1.8	<1.8	<1.8	19-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
20-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	20-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
21-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	21-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
22-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	22-Mar-12	2	<1.8	<1.8	<1.8	<1.8	<1.8
23-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	23-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
24-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	24-Mar-12	<1.8	<1.8	<1.8	2	<1.8	<1.8
25-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	25-Mar-12	2	<1.8	<1.8	<1.8	<1.8	<1.8
26-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	26-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
27-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	27-Mar-12	6.8	<1.8	<1.8	<1.8	<1.8	<1.8
28-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	28-Mar-12	4.5	2	<1.8	<1.8	<1.8	<1.8
29-Jan-12	<1.8	<1.8	<1.8	4.5	<1.8	<1.8	29-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
30-Jan-12	1.8	<1.8	<1.8	<1.8	<1.8	<1.8	30-Mar-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
31-Jan-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	31-Mar-12	<1.8	<1.8	<1.8	2	<1.8	<1.8
01-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	01-Apr-12	2	<1.8	<1.8	2	<1.8	<1.8
02-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	02-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
03-Feb-12	<1.8	<1.8	<1.8	4.5	<1.8	<1.8	03-Apr-12	2	<1.8	<1.8	2	<1.8	<1.8
04-Feb-12	6.8	<1.8	<1.8	<1.8	<1.8	<1.8	04-Apr-12	2	<1.8	<1.8	<1.8	<1.8	<1.8
05-Feb-12	2	<1.8	<1.8	<1.8	<1.8	<1.8	05-Apr-12	4.5	2	<1.8	2	2	<1.8
06-Feb-12	4.5	<1.8	<1.8	<1.8	<1.8	<1.8	06-Apr-12	<1.8	2	<1.8	<1.8	2	<1.8
07-Feb-12	2	2	<1.8	1.8	<1.8	<1.8	07-Apr-12	<1.8	2	<1.8	<1.8	<1.8	<1.8
08-Feb-12	<1.8	2	<1.8	<1.8	<1.8	<1.8	08-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
09-Feb-12	4.5	2	<1.8	<1.8	<1.8	<1.8	09-Apr-12	<1.8	<1.8	<1.8	2	<1.8	<1.8
10-Feb-12	<1.8	2	<1.8	1.8	<1.8	<1.8	10-Apr-12	4.5	<1.8	<1.8	<1.8	<1.8	<1.8
11-Feb-12	<1.8	2	<1.8	<1.8	<1.8	<1.8	11-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
12-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	12-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
13-Feb-12	<1.8	<1.8	<1.8	4.5	<1.8	<1.8	13-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
14-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	14-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
15-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	15-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
16-Feb-12	<1.8	<1.8	<1.8	2	<1.8	<1.8	16-Apr-12	<1.8	<1.8	<1.8	2	<1.8	<1.8
17-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	17-Apr-12	4.5	<1.8	<1.8	<1.8	<1.8	<1.8
18-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	18-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
19-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	19-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
20-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	20-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
21-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	21-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
22-Feb-12	NS			NS			22-Apr-12	2	<1.8	<1.8	4.5	<1.8	<1.8
23-Feb-12	<1.8	<1.8	<1.8	2	<1.8	<1.8	23-Apr-12	4.5	<1.8	<1.8	2	<1.8	<1.8
24-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	24-Apr-12	2	<1.8	<1.8	4.5	<1.8	<1.8
25-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	25-Apr-12	2	2	<1.8	4.5	2	<1.8
26-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	26-Apr-12	1.8	2	<1.8	2	2	<1.8
27-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	27-Apr-12	<1.8	2	<1.8	<1.8	2	<1.8
28-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	28-Apr-12	<1.8	2	<1.8	<1.8	2	<1.8
29-Feb-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	29-Apr-12	<1.8	1.8	<1.8	<1.8	2	<1.8
							30-Apr-12	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8

NS=not sampled

**2012 Annual South Bay Wastewater Reclamation Plant
Total Coliforms (MPN/ 100 ml)**

Sample Date	SAMPLE			FIELD DUPLICATE			Sample Date	SAMPLE		
	MPN /100 mL	7-day Median	30-day Average	MPN /100 mL	7-day Median	30-day Average		MPN /100 mL	7-day Median	30-day Average
01-May-12	< 1.8	< 1.8	< 1.8	2	< 1.8	< 1.8	01-Jul-12	<1.8	< 1.8	< 1.8
02-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	02-Jul-12	<1.8	< 1.8	< 1.8
03-May-12	< 1.8	< 1.8	< 1.8	4.5	< 1.8	< 1.8	03-Jul-12	2	< 1.8	< 1.8
04-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	04-Jul-12	2	< 1.8	< 1.8
05-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	05-Jul-12	<1.8	< 1.8	< 1.8
06-May-12	2	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	06-Jul-12	7.8	2	< 1.8
07-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	07-Jul-12	4.5	2	< 1.8
08-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	08-Jul-12	2	2	< 1.8
09-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	09-Jul-12	<1.8	2	< 1.8
10-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	10-Jul-12	<1.8	2	< 1.8
11-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	11-Jul-12	<1.8	< 1.8	< 1.8
12-May-12	< 1.8	< 1.8	< 1.8	2	< 1.8	< 1.8	12-Jul-12	2	2	< 1.8
13-May-12	4.5	< 1.8	< 1.8	3.6	< 1.8	< 1.8	13-Jul-12	2	2	< 1.8
14-May-12	1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	14-Jul-12	4.5	2	< 1.8
15-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	15-Jul-12	<1.8	< 1.8	< 1.8
16-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	16-Jul-12	<1.8	< 1.8	< 1.8
17-May-12	< 1.8	< 1.8	< 1.8	2	< 1.8	< 1.8	17-Jul-12	<1.8	< 1.8	< 1.8
18-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	18-Jul-12	<1.8	< 1.8	< 1.8
19-May-12	4.5	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	19-Jul-12	<1.8	< 1.8	< 1.8
20-May-12	1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	20-Jul-12	<1.8	< 1.8	< 1.8
21-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	21-Jul-12	17	< 1.8	< 1.8
22-May-12	< 1.8	< 1.8	< 1.8	1.8	< 1.8	< 1.8	22-Jul-12	<1.8	< 1.8	< 1.8
23-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	23-Jul-12	<1.8	< 1.8	< 1.8
24-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	24-Jul-12	<1.8	< 1.8	< 1.8
25-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	25-Jul-12	<1.8	< 1.8	< 1.8
26-May-12	2	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	26-Jul-12	<1.8	< 1.8	< 1.8
27-May-12	< 1.8	< 1.8	< 1.8	6.8	< 1.8	< 1.8	27-Jul-12	<1.8	< 1.8	< 1.8
28-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	28-Jul-12	2	< 1.8	< 1.8
29-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	29-Jul-12	<1.8	< 1.8	< 1.8
30-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	30-Jul-12	<1.8	< 1.8	< 1.8
31-May-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	31-Jul-12	<1.8	< 1.8	< 1.8
01-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	01-Aug-12	<1.8	< 1.8	< 1.8
02-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	02-Aug-12	<1.8	< 1.8	< 1.8
03-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	03-Aug-12	<1.8	< 1.8	< 1.8
04-Jun-12	6.1	< 1.8	< 1.8	7.8	< 1.8	< 1.8	04-Aug-12	<1.8	< 1.8	< 1.8
05-Jun-12	< 1.8	< 1.8	< 1.8	2	< 1.8	< 1.8	05-Aug-12	<1.8	< 1.8	< 1.8
06-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	06-Aug-12	<1.8	< 1.8	< 1.8
07-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	07-Aug-12	<1.8	< 1.8	< 1.8
08-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	08-Aug-12	<1.8	< 1.8	< 1.8
09-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	09-Aug-12	<1.8	< 1.8	< 1.8
10-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	10-Aug-12	<1.8	< 1.8	< 1.8
11-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	11-Aug-12	7.8	< 1.8	< 1.8
12-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	12-Aug-12	<1.8	< 1.8	< 1.8
13-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	13-Aug-12	<1.8	< 1.8	< 1.8
14-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	14-Aug-12	<1.8	< 1.8	< 1.8
15-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	15-Aug-12	<1.8	< 1.8	< 1.8
16-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	16-Aug-12	<1.8	< 1.8	< 1.8
17-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	17-Aug-12	2	< 1.8	< 1.8
18-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	18-Aug-12	<1.8	< 1.8	< 1.8
19-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	19-Aug-12	2	< 1.8	< 1.8
20-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	20-Aug-12	<1.8	< 1.8	< 1.8
21-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	21-Aug-12	<1.8	< 1.8	< 1.8
22-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	22-Aug-12	2	< 1.8	< 1.8
23-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	23-Aug-12	<1.8	< 1.8	< 1.8
24-Jun-12	2	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	24-Aug-12	<1.8	< 1.8	< 1.8
25-Jun-12	< 1.8	< 1.8	< 1.8	2	< 1.8	< 1.8	25-Aug-12	<1.8	< 1.8	< 1.8
26-Jun-12	< 1.8	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	26-Aug-12	<1.8	< 1.8	< 1.8
27-Jun-12	< 1.8	< 1.8	< 1.8	2	< 1.8	< 1.8	27-Aug-12	<1.8	< 1.8	< 1.8
28-Jun-12	< 1.8	< 1.8	< 1.8	2	< 1.8	< 1.8	28-Aug-12	<1.8	< 1.8	< 1.8
29-Jun-12	NS			NS			29-Aug-12	<1.8	< 1.8	< 1.8
30-Jun-12	2	< 1.8	< 1.8	<1.8	< 1.8	< 1.8	30-Aug-12	<1.8	< 1.8	< 1.8
							31-Aug-12	<1.8	< 1.8	< 1.8

NS=not sampled

Duplicate analysis were discontinued: July 1, 2012

**2012 Annual South Bay Wastewater Reclamation Plant
Total Coliforms (MPN/ 100 ml)**

Sample Date	SAMPLE			Sample Date	SAMPLE		
	MPN /100 mL	7-day Median	30-day Average		MPN /100 mL	7-day Median	30-day Average
01-Sep-12	11	< 1.8	< 1.8	01-Nov-12	<1.8	< 1.8	< 1.8
02-Sep-12	<1.8	< 1.8	< 1.8	02-Nov-12	<1.8	< 1.8	< 1.8
03-Sep-12	<1.8	< 1.8	< 1.8	03-Nov-12	<1.8	< 1.8	< 1.8
04-Sep-12	<1.8	< 1.8	< 1.8	04-Nov-12	<1.8	< 1.8	< 1.8
05-Sep-12	<1.8	< 1.8	< 1.8	05-Nov-12	23	< 1.8	1.83
06-Sep-12	<1.8	< 1.8	< 1.8	06-Nov-12	1.8	< 1.8	1.89
07-Sep-12	<1.8	< 1.8	< 1.8	07-Nov-12	<1.8	< 1.8	1.89
08-Sep-12	4.5	< 1.8	< 1.8	08-Nov-12	<1.8	< 1.8	1.89
09-Sep-12	<1.8	< 1.8	< 1.8	09-Nov-12	<1.8	< 1.8	< 1.8
10-Sep-12	<1.8	< 1.8	< 1.8	10-Nov-12	<1.8	< 1.8	< 1.8
11-Sep-12	<1.8	< 1.8	< 1.8	11-Nov-12	<1.8	< 1.8	< 1.8
12-Sep-12	<1.8	< 1.8	< 1.8	12-Nov-12	4.5	< 1.8	< 1.8
13-Sep-12	2	< 1.8	< 1.8	13-Nov-12	<1.8	< 1.8	< 1.8
14-Sep-12	2	< 1.8	< 1.8	14-Nov-12	<1.8	< 1.8	< 1.8
15-Sep-12	<1.8	< 1.8	< 1.8	15-Nov-12	<1.8	< 1.8	< 1.8
16-Sep-12	<1.8	< 1.8	< 1.8	16-Nov-12	<1.8	< 1.8	< 1.8
17-Sep-12	<1.8	< 1.8	< 1.8	17-Nov-12	<1.8	< 1.8	< 1.8
18-Sep-12	<1.8	< 1.8	< 1.8	18-Nov-12	<1.8	< 1.8	< 1.8
19-Sep-12	<1.8	< 1.8	< 1.8	19-Nov-12	<1.8	< 1.8	< 1.8
20-Sep-12	4	< 1.8	< 1.8	20-Nov-12	<1.8	< 1.8	< 1.8
21-Sep-12	7.8	< 1.8	< 1.8	21-Nov-12	<1.8	< 1.8	< 1.8
22-Sep-12	4	< 1.8	< 1.8	22-Nov-12	<1.8	< 1.8	< 1.8
23-Sep-12	<1.8	< 1.8	< 1.8	23-Nov-12	<1.8	< 1.8	< 1.8
24-Sep-12	11	4	< 1.8	24-Nov-12	<1.8	< 1.8	< 1.8
25-Sep-12	<1.8	4	< 1.8	25-Nov-12	<1.8	< 1.8	< 1.8
26-Sep-12	<1.8	4	< 1.8	26-Nov-12	<1.8	< 1.8	< 1.8
27-Sep-12	<1.8	< 1.8	< 1.8	27-Nov-12	<1.8	< 1.8	< 1.8
28-Sep-12	<1.8	< 1.8	< 1.8	28-Nov-12	<1.8	< 1.8	< 1.8
29-Sep-12	<1.8	< 1.8	< 1.8	29-Nov-12	<1.8	< 1.8	< 1.8
30-Sep-12	<1.8	< 1.8	< 1.8	30-Nov-12	4.5	< 1.8	< 1.8
01-Oct-12	<1.8	< 1.8	< 1.8	01-Dec-12	1.8	< 1.8	< 1.8
02-Oct-12	<1.8	< 1.8	< 1.8	02-Dec-12	<1.8	< 1.8	< 1.8
03-Oct-12	<1.8	< 1.8	< 1.8	03-Dec-12	<1.8	< 1.8	< 1.8
04-Oct-12	<1.8	< 1.8	< 1.8	04-Dec-12	<1.8	< 1.8	< 1.8
05-Oct-12	7.8	< 1.8	< 1.8	05-Dec-12	<1.8	< 1.8	< 1.8
06-Oct-12	<1.8	< 1.8	< 1.8	06-Dec-12	2	< 1.8	< 1.8
07-Oct-12	<1.8	< 1.8	< 1.8	07-Dec-12	<1.8	< 1.8	< 1.8
08-Oct-12	<1.8	< 1.8	< 1.8	08-Dec-12	2	< 1.8	< 1.8
09-Oct-12	13	< 1.8	< 1.8	09-Dec-12	<1.8	< 1.8	< 1.8
10-Oct-12	<1.8	< 1.8	< 1.8	10-Dec-12	<1.8	< 1.8	< 1.8
11-Oct-12	<1.8	< 1.8	< 1.8	11-Dec-12	<1.8	< 1.8	< 1.8
12-Oct-12	4.5	< 1.8	1.87	12-Dec-12	<1.8	< 1.8	< 1.8
13-Oct-12	7.8	< 1.8	2.06	13-Dec-12	<1.8	< 1.8	< 1.8
14-Oct-12	2	2	2.06	14-Dec-12	<1.8	< 1.8	< 1.8
15-Oct-12	<1.8	2	2.06	15-Dec-12	<1.8	< 1.8	< 1.8
16-Oct-12	<1.8	< 1.8	2.06	16-Dec-12	<1.8	< 1.8	< 1.8
17-Oct-12	<1.8	< 1.8	2.06	17-Dec-12	<1.8	< 1.8	< 1.8
18-Oct-12	4.5	2	2.21	18-Dec-12	NS		
19-Oct-12	<1.8	< 1.8	2.21	19-Dec-12	NS		
20-Oct-12	<1.8	< 1.8	2.08	20-Dec-12	NS		
21-Oct-12	<1.8	< 1.8	1.82	21-Dec-12	NS		
22-Oct-12	<1.8	< 1.8	< 1.8	22-Dec-12	NS		
23-Oct-12	NS			23-Dec-12	NS		
24-Oct-12	<1.8	< 1.8	< 1.8	24-Dec-12	NS		
25-Oct-12	<1.8	< 1.8	< 1.8	25-Dec-12	NS		
26-Oct-12	<1.8	< 1.8	< 1.8	26-Dec-12	NS		
27-Oct-12	<1.8	< 1.8	< 1.8	27-Dec-12	NS		
28-Oct-12	<1.8	< 1.8	< 1.8	28-Dec-12	NS		
29-Oct-12	<1.8	< 1.8	< 1.8	29-Dec-12	NS		
30-Oct-12	<1.8	< 1.8	< 1.8	30-Dec-12	NS		
31-Oct-12	<1.8	< 1.8	< 1.8	31-Dec-12	<1.8	< 1.8	< 1.8

NS=not sampled

Duplicate analysis were discontinued: July 1, 2012

E. UV Performance 2012

UV PERFORMANCE REPORT
CY 2012
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 2012	63.96	168.80	54.91	53.09	55.96	55.96
Feb 2012	65.36	177.62	51.67	50.89	54.00	54.00
Mar 2012	66.93	176.32	49.53	49.00	52.79	52.32
Apr 2012	66.53	175.92	50.89	50.25	52.50	52.54
May 2012	65.95	177.09	58.26	57.68	57.61	60.10
Jun 2012	66.18	175.54	65.07	64.13	64.87	67.43
Jul 2012	65.35	175.09	67.06	67.03	69.16	69.00
Aug 2012	70.22	176.84	62.19	63.87	66.10	65.81
Sep 2012	66.49	177.74	69.67	68.57	68.23	71.27
Oct 2012	67.35	173.68	67.41	66.67	70.04	70.22
Nov 2012	66.80	174.21	58.50	57.79	59.64	59.64
Dec 2012	69.17	163.35	45.30	44.00	47.30	47.30
Average	66.69	174.35	58.37	57.75	59.85	60.46

This page is left blank intentionally.