INTERNATIONAL BOUNDARY AND WATER COMMISSION
UNITED STATES AND MEXICO

UNITED STATES SECTION

SOUTH BAY INTERNATIONAL WASTEWATER TREATMENT PLANT

Prepared by: VEOLIA WATER

2014 ANNUAL NPDES REPORT

South Bay International Wastewater Treatment Plant

2014

Annual Monitoring Report

NPDES Permit CA 0108928

Order No. 96-50 / R9-2014-0009

June 30, 2015

Prepared By

Rich Perna

Plant Superintendent
Veolia Water North America – West LLC

June 30, 2015

Plant Removal Efficiencies

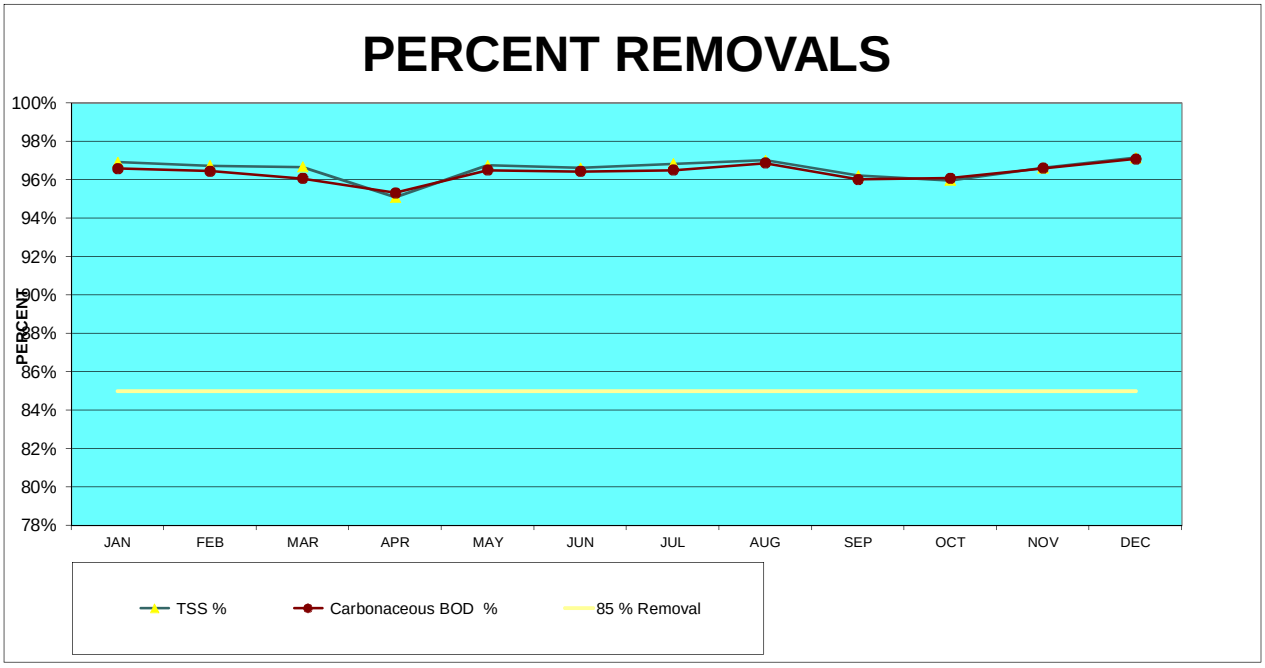
2014 PLANT PROCESS REMOVAL EFFICIENCIES

SOUTH BAY INTERNATIONAL WTP

ADVANCED PRIMARY CLARIFICATION

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVERAGE %
TSS	%	97%	97%	97%	95%	97%	97%	97%	97%	96%	96%	97%	97%	**97%**
Carbonaceous BOD	%	97%	96%	96%	95%	97%	96%	97%	97%	96%	96%	97%	97%	**96%**

2014 PLANT PROCESS REMOVAL EFFICIENCIES



TABULATION OF THE

INFLUENT CONSTITUENTS

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SOUTH BAY INTERNATIONAL WTP

NPDES Data for the South Bay International WTP

2014 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
INFLUENT NPDES																	
Influent flow	mgd				29.03	28.92	27.99	28.84	29.50	28.68	28.82	28.81	28.97	28.93	29.40	27.11	28.75
GRAB SAMPLES / OIL & GREASE																	
Settleable Solids	ml/L				6.33	6.08	10.48	7.00	7.58	6.88	6.68	5.30	5.55	8.90	5.52	4.70	6.75
weekly (7 day) average	ml/L				6.2	6.1	11.3	7.1	7.9	6.9	6.7	5.4	5.5	8.6	5.5	5.0	6.9
pH	SU				7.18	7.32	7.02	7.00	7.05	7.05	7.02	7.24	7.34	7.33	7.33	7.54	7.2
Oil/grease	mg/L				21.9	22.7	21.5	21.4	20.2	21.7	22.4	21.5	18.0	19.3	21.5	18.0	20.8
weekly (7 day) average	mg/L				22.0	23.0	19.0	22.0	21.0	21.0	23.0	22.0	18.0	19.0	22.0	18.0	20.8
Temperature	c				15.8	17.1	18.5	19.6	21.0	23.2	24.6	25.4	25.4	22.6	20.3	20.2	21.1
COMPOSITE ANALYSES																	
Total Suspended Solids	mg/L				385	421	561	416	386	398	412	393	326	341	371	404	401
weekly (7 day) average	mg/L				388	414	519	465	386	396	405	401	325	342	369	408	402
Volatile Suspended Solids	mg/L				263	267	433	211	248	301	270	255	229	236	264	286	272
BOD	mg/L				390	425	471	374	367	438	383	408	338	359	381	407	395
Soluble BOD	mg/L				320	356	377	315	297	370	335						339
Carbonaceous BOD (CBOD)	mg/L				356	387	415	381	361	379	367	365	292	304	322	347	356
weekly (7 day) average	mg/L				360	382	404	395	359	377	364	370	394	303	321	351	365
Floatables	mg/L				6.40	6.15	9.62	7.15	7.76	7.00	6.80	5.40	5.65	8.98	5.60	4.80	6.78
Total Dissolved Solids	mg/L				1635	1648	1596	1583	1548	1550	1600	1612	1615	1608	1622	1590	1601
Turbidity	NTU				176	183	174	208	203	230	242	183	154	147	166	201	189
weekly (7 day) average	NTU				176	182	175	214	203	213	248	182	153	148	166	198	188
Ammonia-N	mg/L				51.0	49.6	55.6	47.0	47.4	48.7	47.3	52.0	47.0	45.8	53.2	45.0	49.1
COD Chemical Oxygen Demand	mg/L				816	984	1015	854	808	949	868						899
T.S. Total Solids	mg/L				2605	2518	2400	2468	2454	2408	2415						2467
T.V. Volatile Solids	mg/L				1585	1628	1600	1650	1612	1658	1678						1630

NPDES Data for the South Bay International WTP

2014 INFLUENT TABS

	Units	Limitations			JAN Average	FEB Average	MAR Average	APR Average	MAY Average	JUN Average	JUL Average	AUG Average	SEP Average	OCT Average	NOV Average	DEC Average	2014 AVERAGE
METALS AND CYANIDE		6-MTH M	Mthly Avg	MAX													
Antimony	ug/l				0	157.65	179.48	0	0	0	0				0		42.14125
	Lbs/day				0	34.49	31.56	0	0	0	0				0		8.25625
Arsenic	ug/l		24		0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/day		5		0	0	0	0	0	0	0	0	0	0	0	0	0
Beryllium	ug/l		2.5		0	0	0	0	0	0	0				0		0
	lbs/day		0.520		0	0	0	0	0	0	0				0		0
Cadmium	ug/l		61		0	0	0	0	0	2.525	0	0	0	0	0	1.2	0.310416667
	lbs/day		13		0	0	0	0	0	0.49	0	0	0	0	0	0.28	0.064166667
Chromium Total	ug/l		1100		0	5.325	0	0	3.76	4.5	8.675	11.94	4.7	0	0	3.52	3.535
	lbs/day		230		0	1.11	0	0	0.84	0.94	1.77	2.41	1.02	0	0	0.73	0.735
Chromium III *	ug/l				0	5.05	0	0	3.49	4.23	8.4	11.7	4.43	0	0	3.25	3.379166667
Chromium VI	ug/l				0	0	0	0	0	0	0	0	0	0	0	0	0
Copper	ug/l	150			11.445	62.9	15.148	18.91	51.08	21.685	34.16	84.508	16.81	8.18	32	38.2	32.91883333
	lbs/day	32			2.37	13.3	3.04	4.08	11.01	4.32	6.97	17.09	3.65	1.51	6.78	7.5	6.801666667
Iron	ug/l				2315	4622	2270	2740	3816	2832	3408						3143.285714
Lead	ug/l		160		0	9.8	48.6	177.725	330.24	8.3	0	23.68	0	0	0	0	49.86208333
	lbs/day		34.000		0	2.25	9.37	40.04	74.36	1.59	0	4.78	0	0	0	0	11.0325
Mercury	ug/L			5.4	0	0	0.1788	0	0.209	6.99075	0	0.4128	0	0	0	0.1906	0.6651625
	lbs/day			1.1	0	0	0.03	0	0.04	1.49	0	0.08	0	0	0	0.04	0.14
Nickel	ug/l	440			20.7	13.9	3.7	8.3	14.8	26.5	28.8	27.2	21.3	25.5	20	12.4	18.59166667
	lbs/day	93			4.57	3.03	0.74	1.76	3.26	5.28	5.89	5.45	4.73	5.15	4.24	2.49	3.8825
Selenium	ug/l				0	0	0	0	0	0	0	0	0	0	0	0	0
Silver	ug/l	52			0	0	0	0	0	0	1.3	1.3	0	0	0	0	0.216666667
	lbs/day	11			0	0	0	0	0	0	0.27	0.26	0	0	0	0	0.044166667
Thallium	ug/l				0	0	0	0	0	0	0				0		0
Zinc	ug/l		1100		105	160	159	182	236	64.7	84.9	226	34.6	20.6	69.4	123.8	122.1666667
	lbs/day		220		22.91	32.68	28.18	38.59	50.45	12.83	17.33	45.56	7.52	3.9	14.84	24.36	24.92916667
Cyanide	ug/l	75			0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/day	16			0	0	0	0	0	0	0	0	0	0	0	0	0
RADIOACTIVITY																	
Alpha Radiation	pc/L				3.97	2.65	0.00	9.43	4.14	0.13	3.23	8.16	3.26	3.60	3.02	14.40	4.67
Beta Radiation	pc/L				4.39	5.87	0.69	12.30	4.29	2.65	3.99	7.61	5.70	3.99	6.24	10.00	5.64
CHLORINATED PESTICIDES																	
Aldrin	ug/L				0	0	0	0	0	0	0				0		0
Dieldrin	ug/L				0	0	0	0	0	0	0				0		0
alpha-BHC	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
beta-BHC	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
gamma-BHC (Lindane)	ug/L	0.420			0	0	0	0	0	0	0	0	0	0	0	0	0
		0.880			0	0	0	0	0	0	0	0	0	0	0	0	0
delta-BHC	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Total HCH	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0

NPDES Data for the South Bay International WTP

2014 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
p,p-DDD	ug/L				0	0	0	0	0	0	0				0		0
p,p-DDE	ug/L				0	0	0	0	0	0	0				0		0
p,p-DDT	ug/L				0	0	0	0	0	0	0				0		0
o,p-DDD	ug/L				0	0	0	0	0	0	0				0		0
o,p-DDE	ug/L				0	0	0	0	0	0	0				0		0
o,p-DDT	ug/L				0	0	0	0	0	0	0				0		0
Total DDT	ug/L				0	0	0	0	0	0	0				0		0
Heptachlor	ug/L				0	0	0	0	0	0	0				0		0
Heptachlor epoxide	ug/L				0	0	0	0	0	0	0				0		0
Total Heptachlor	ug/L				0	0	0	0	0	0	0				0		0
Alpha (cis) Chlordane	ug/L				0	0	0	0	0	0	0				0		0
Gamma (trans) Chlordane	ug/L				0	0	0	0	0	0	0				0		0
Oxychlordane	ug/L				0	0	0	0	0	0	0				0		0
trans Nonachlor	ug/L				0	0	0	0	0	0	0				0		0
cis Nonachlor	ug/L				0	0	0	0	0	0	0				0		0
Total Chlordane	ug/L				0	0	0	0	0	0	0				0		0
Alpha Endosulfan	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Beta Endosulfan	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Endosulfan Sulfate	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Total Endosulfan	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Endrin	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Endrin aldehyde	ug/L				0	0	0	0	0	0	0				0		0
Mirex	ug/L				0	0	0	0	0	0	0				0		0
Methoxychlor	ug/L				0	0	0	0	0	0	0				0		0
Toxaphene	ug/L				0	0	0	0	0	0	0				0		0
PCB 1016	ug/L				0	0	0	0	0	0	0				0		0
PCB 1221	ug/L				0	0	0	0	0	0	0				0		0
PCB 1232	ug/L				0	0	0	0	0	0	0				0		0
PCB 1242	ug/L				0	0	0	0	0	0	0				0		0
PCB 1248	ug/L				0	0	0	0	0	0	0				0		0
PCB 1254	ug/L				0	0	0	0	0	0	0				0		0
PCB 1260	ug/L				0	0	0	0	0	0	0				0		0
Total PCB's	ug/L				0	0	0	0	0	0	0				0		0

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2014 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
BENZIDINE (EPA 605)																	
benzidine	ug/L				0	0	0	0	0	0	0				0		0
3,3-dichlorobenzidine	ug/L				0	0	0	0	0	0	0				0		0
TRIBUTYL TIN ANALYSIS																	
tributyl tin	ug/L				0	0	0	0	0	0	0				0		0
dibutyl tin	ug/L				0	0.218	0	0	0	0	0						0.031
monobutyl tin	ug/L				0	0	0	0	0	0	0						0
BASE/NEUTRAL COMPOUNDS (EPA 625)																	
bis(2-chloroethly) ether	ug/L				0	0	0	0	0	0	0				0		0
metadichlorobenzene	ug/l				0	0	0	0	0	0	0				0		0
orthodichlorobenzene	ug/l				0	0	0	0	0	0	0				0		0
paradichlorobenzene (1,4-dichlorobenzene)	ug/l				0	0	0	0	0	0	0				0		0
bis-(2-chloroisopropyl) ether	ug/l				0	0	0	0	0	0	0				0		0
N-nitrosodi-n-propylamine	ug/L				0	0	0	0	0	0	0				0		0
nitrobenzene	ug/L				0	0	0	0	0	0	0				0		0
hexachloroethane	ug/L				0	0	0	0	0	0	0				0		0
isophorone	ug/l				0	0	0	0	0	0	0				0		0
bis(2-chloroethoxy)methane	ug/l				0	0	0	0	0	0	0				0		0
1,2,4-trichlorobenzene	ug/L				0	0	0	0	0	0	0				0		0
naphthalene	ug/L				0	0	0	0	0	0	0				0		0
hexachlorobutadiene	ug/l				0	0	0	0	0	0	0				0		0
hexachlorocyclopentadiene	ug/l				0	0	0	0	0	0	0				0		0
acenaphthylene (pah)	ug/L				0	0	0	0	0	0	0				0		0
dimethyl phthalate	ug/l				0	0	0	0	0	0	0				0		0
2,6-dinitrotoluene	ug/L				0	0	0	0	0	0	0				0		0
acenaphthene	ug/L				0	0	0	0	0	0	0				0		0
2,4-dinitrotoluene	ug/L				0	0	0	0	0	0	0				0		0
fluorene (pah)	ug/L				0	0	0	0	0	0	0				0		0
4-chlorophenyl phenyl ether	ug/L				0	0	0	0	0	0	0				0		0
diethyl phthalate	ug/l				0	0	0	0	0	0	0				0		0
N-nitrosodiphenylamine	ug/L				0	0	0	0	0	0	0				0		0
4-bromophenyl phenyl ether	ug/L				0	0	0	0	0	0	0				0		0
hexachlorobenzene	ug/L				0	0	0	0	0	0	0				0		0
phenanthrene (pah)	ug/L				0	0	0	0	0	0	0				0		0
anthracene (pah)	ug/L				0	0	0	0	0	0	0				0		0

NPDES Data for the South Bay International WTP

2014 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
di-n-butyl phthalate	ug/l				0	0	0	0	0	0	0				0		0
N-nitrosodimethylamine	ug/l				0	0	0	0	0	0	0				0		0
fluoranthene	ug/l				0	0	0	0	0	0	0				0		0
pyrene (pah)	ug/L				0	0	0	0	0	0	0				0		0
butyl benzyl phthalate	ug/L				0	0	0	0	0	0	0				0		0
chrysene (pah)	ug/L				0	0	0	0	0	0	0				0		0
benzo(A)anthracene	ug/L				0	0	0	0	0	0	0				0		0
bis-(2-ethylhexyl) phthalate	ug/L				11.00	37.00	7.90	0.00	4.10	9.40	7.90				5.60		10.36
di-n-octyl phthalate	ug/L				0	0	0	0	0	0	0				0		0
benzo(K)fluoranthene (pah)	ug/L				0	0	0	0	0	0	0				0		0
3,4-benzo(B)fluoranthene (pah)	ug/L				0	0	0	0	0	0	0				0		0
benzo(A)pyrene (pah)	ug/L				0	0	0	0	0	0	0				0		0
indeno(1,2,3-CD)pyrene (pah)	ug/L				0	0	0	0	0	0	0				0		0
dibenzo(A,H)anthracene	ug/L				0	0	0	0	0	0	0				0		0
benzo(G,H,I)perylene (pah)	ug/L				0	0	0	0	0	0	0				0		0
1,2-diphenylhydrazine	ug/L				0	0	0	0	0	0	0				0		0
Total Polynuclear aromatic hydrocar	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00		0.00

NON & CHLORINATED PHENOLS

2-chlorophenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
2,4-dichlorophenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
4-cholor-3-methylphenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
2,4,6-trichlorophenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
pentachlorophenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Total chlorinated phenols	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0

phenol	ug/l				2.38	5.45	4.20	3.89	2.28	3.43	3.93	0.00	7.60	11.00	7.90	12.00	5.34
2-nitrophenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0.00
2,4-dimethylphenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0.00
2,4-dinitrophenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0.00
4-nitrophenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0.00
2-methyl-4,6-dinitrophenol	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0.00
Total non-chlor phenols	ug/L				0.004	0.007	0.006	0.006	0.004	0.005	0.006	0.004	0.012	0.015	0.012	0.016	0.008

NPDES Data for the South Bay International WTP

2014 INFLUENT TABS

HALOMETHANE PURGEABLE
COMPOUNDS (EPA 624) (VOC's)

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
chloromethane (hal)	ug/l				0	0	0	0	0	0	0				0		0
bromomethane (hal)	ug/l				0	0	0	0	0	0	0				0		0
vinyl chloride (hal)	ug/l				0	0	0	0	0	0	0				0		0
chloroethane	ug/L				0	0	0	0	0	0	0				0		0
1,1-dichloroethene (1,1-dichloroethylene)	ug/l				0	0	0	0	0	0	0				0		0
trichlorofluoromethane	ug/L				0	0	0	0	0	0	0				0		0
methlyene chloride (dichloromethane)	ug/l				0	0	0	0	0	0	0				0		0
1,1-dichloroethane	ug/L				0	0	0	0	0	0	0				0		0
trans-1,2-dichloroethene	ug/L				0	0	0	0	0	0	0				0		0
chloroform	ug/l				6.50	7.20	12.00	0.00	0.00	0.00	1.10				1.30		3.51
1,2-dichloroethane	ug/l				0	0	0	0	0	0	0				0		0
1,1,1-trichloroethane	ug/l				0	0	0	0	0	0	0				0		0
carbon tetrachloride	ug/L				0	0	0	0	0	0	0				0		0
DCBM-bromodichloromethane (hal)	ug/l				4.9	2.5	0	0	0	0	0				0		0.93
1,2-dichloropropane	ug/L				0	0	0	0	0	0	0				0		0
trans-1,3-dichloropropene	ug/l				0	0	0	0	0	0	0				0		0
trichloroethene (trichloroethlyene)	ug/l				2	0	0	0	0	0	0				0		0.26
benzene	ug/l				0	0	0	0	0	0	0				0		0
dibromochloromethane (hal)	ug/L				4.4	1.2	0	0	0	0	0				0		0.70
1,1,2-trichloroethane	ug/l				0	0	0	0	0	0	0				0		0
cis-1,3-dichloropropene	ug/L				0	0	0	0	0	0	0				0		0
2-chloroethylvinyl ether	ug/L				0	0	0	0	0	0	0				0		0
bromoform (hal)	ug/l				0	0	0	0	0	0	0				0		0
1,1,2,2-tetrachloroethane	ug/l				0	0	0	0	0	0	0				0		0
tetrachloroethene (tetrachloroethlyene)	ug/l				0	0	0	0	0	0	0				0		0
toluene	ug/l				2.5	2.5	13.0	0.0	0.0	0.0	5.7				27.0		6.34
chlorobenzene	ug/l				0	0	0	0	0	0	0				0		0
ethylbenzene	ug/l				0	0	0	0	0	0	0				0		0
2-butanone (MEK)	ug/L				0	0	0	0	0	0	0				0		0
carbon disulfide	mg/L				0	2.5	0	0	0	0	0				0		0.31
Total Halomethanes	ug/L				9.11	9.81	14.61	0.00	0.00	0.00	3.71				3.91		5.14

NPDES Data for the South Bay International WTP

2014 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
EPA METHOD 624																	
acrylonitrile	ug/L				0	0	0	0	0	0	0				0		0
	lbs/L				0	0	0	0	0	0	0				0		0
acrolein	ug/L				0	0	0	0	0	0	0				0		0
	lbs/d				0	0	0	0	0	0	0				0		0
TCDD equivalents																	
2,3,7,8-tetra CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,7,8-penta CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,4,7,8-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,6,7,8-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,7,8,9-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,4,6,7,8-hepta CDD	pg/L				36	36	37	43	25	18	18	32			29		31
octa CDD	pg/L				355	355	281	442	224	155	159	307			253		281
2,3,7,8-tetra CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,7,8-penta CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
2,3,6,7,8-penta CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,4,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,6,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,7,8,9-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
2,3,4,6,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0		0.0
1,2,3,4,6,7,8-hepta CDF	pg/L				14	14	13	15	10	0	6	10			0		9
1,2,3,4,7,8,9-hepta CDF	pg/L				0	0	0	0	0	0	0	0			0		0
octa CDF	pg/L				28	28	27	23	15	13	12	26			24		22
TOTAL TCDD	pg/L				0.89	0.89	0.81	1.04	0.59	0.35	0.41	0.75			0.57		0.70
TOTAL TCDD lbs/day	lbs/d				0.00000014	0.00000020	0.00000019	0.00000022	0.00000012	0.00000007	0.00000009	0.00000015			0.00000011		0.00000014

0 = not detected: NS = not sampled
NA = not analyzed

TABULATION OF THE

EFFLUENT CONSTITUENTS

TABULATION OF THE EFFLUENT CONSTITUENTS

SOUTH BAY INTERNATIONAL WTP

NPDES Data for the South Bay International WTP **2014 EFFLUENT TABS**

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
		Limitations															
		Monthly Average															
EFFLUENT FLOW (MGD)	MGD		25		24.78	24.68	24.03	24.42	24.79	24.70	24.74	24.42	24.86	24.61	24.75	22.72	24.46
GRAB SAMPLES / OIL & GREASE		Limitations															
		30-day	7-day	Max													
Settleable Solids	ml/L	1.0	---	3.0	0	0	0	0	0	0	0	0	0	0	0	0	0
weekly (7 day) average	ml/L	---	1.5	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Oil/grease	mg/L	---	---	75	0	0	0	0	0	0	0	0	0	0	0	0	0
daily mass emission	lbs/d	---	---	15,012	0	0	0	0	0	0	0	0	0	0	0	0	0
weekly (7 day) average	mg/L	---	40	---	0	0	0	0	0	0	0	0	0	0	0	0	0
mass emission (7 day) average	lbs/d	---	8,340	---	0	0	0	0	0	0	0	0	0	0	0	0	0
monthly (30 day) average	mg/L	25	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
mass emission (30 day) average	lbs/d	5,213	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
pH	SU	Within Limits of 6-9			7.27	7.25	7.13	7.22	7.24	7.27	7.23	7.28	7.30	7.32	7.22	7.13	7.24
Temperature	C	---	---	---	18.1	19.1	20.5	22.1	23.8	26.1	27.5	27.8	28.1	25.8	22.4	21.2	23.5
COMPOSITE ANALYSES		Limitations															
		30-day	7-day	Max													
Total Suspended Solids	mg/L	---	---	---	11.8	13.7	18.6	20.4	12.5	13.4	13.0	11.7	12.3	13.7	12.5	11.5	13.8
daily mass emission	lbs/d	---	---	---	2452	2869	3833	4106	2586	2756	2688	2389	2544	2805	2574	2193	2816
weekly (7 day) average	mg/L	---	45	---	12	13	18	22	12	13	13	12	12	14	13	12	14
mass emission (7 day) average	lbs/d	---	9,383	---	2621	2486	3305	4586	2878	2599	2775	2520	2447	2780	2658	2342	2833
monthly (30 day) average	mg/L	30	---	---	12	12	16	22	14	13	13	12	12	14	13	12	14
mass emission (30 day) average	lbs/d	6,255	---	---	2621	2486	3305	4586	2878	2599	2775	2520	2447	2780	2658	2342	2833
Volatile Suspended Solids	mg/L	---	---	---	9.52	11.18	15.84	17.47	10.23	11.33	10.84	10.03	10.37	11.58	10.60	9.97	11.58
BOD	mg/L	---	---	---	14.0	15.9	18.9	20.5	14.7	15.5	15.0	13.9	14.5	15.6	14.4	13.5	15.5
Soluble BOD	mg/L	---	---	---	10.1	11.5	13.9	15.2	10.4	11.4	10.5	11.0					11.8
Carbonaceous BOD (CBOD)	mg/L	---	---	---	12.1	13.7	16.3	17.8	12.6	13.5	12.8	11.4	11.6	11.9	10.9	10.1	12.9
daily mass emission	lbs/d	---	---	---	2511	2852	3350	3588	2604	2782	2631	2321	2392	2435	2259	1923	2637
weekly (7 day) average	mg/L	---	40	---	12	14	16	19	13	13	13	11	11	12	11	10	13
mass emission (7 day) average	lbs/d	---	8,340	---	2541	2732	3136	3925	2548	2780	2734	2281	2385	2466	2276	1879	2640
monthly (30 day) average	mg/L	25	---	---	13	13	15	19	14	13	13	12	11	12	11	10	13
mass emission (30 day) average	lbs/d	5,213	---	---	2659	2540	2977	3951	2830	2610	2764	2477	2358	2448	2328	2066	2667
		30-day	7-day	Max													
Floatables	mg/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Dissolved Solids	mg/L	---	---	---	1561	1531	1476	1484	1481	1467	1494	1497	1488	1537	1484	1523	1502
Turbidity	NTU	---	---	225	2.20	3.25	5.36	8.58	2.07	2.47	2.16	2.13	2.17	2.17	2.20	2.20	3.08
weekly (7 day) average	NTU	---	100	---	2.15	3.00	5.29	8.84	2.05	2.48	2.23	2.12	2.12	2.21	2.19	2.19	3.07
monthly (30 day) average	NTU	75	---	---	2.0	3.0	5.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
C.O.D. Chemical Oxygen Demand	mg/L	---	---	---	50	48	96	116	44	46	48						64
Total Solids	mg/L	---	---	---	2383	2293	2166	2270	2172	2103	2128						2216
Volatile Solids	mg/L	---	---	---	1683	1653	1552	1653	1502	1558	1553						1593

NPDES Data for the South Bay International WTP

2014 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
TOXICITY		Limitations															
		30-day	7-day	Max													
Acute Toxicity	TU'a	---	---	3.2	0.0	0.0	1.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
weekly (7 day) average	TU'a	---	---	---	0.0	0.0	1.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
monthly (30 day) average	TU'a	---	---	---	0.0	0.0	1.2	1.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
CHRONIC TOXICITY		Limitations															
		6-mnth	Daily	Instant													
	TU'c	----	95.6	----													
GIANT KELP																	
germination	TU'c	---	95.6	---													
germ Tube Length	TU'c	---	95.6	---													
RED ABALONE																	
development	TU'c	---	95.6	---	25.0	25	44	25	25	33	40	25	33	25	25	30	30
TOPSMELT																	
survival	TU'c	---	95.6	---													
growth	TU'c	---	95.6	---													
METALS AND CYANIDE		Limitations															
		6-Mnth	Daily	30-day													
Antimony	ug/L	---	---	115000	0	177.25	180.48	0	0	0	0				0		44.71625
	lbs/d			23900	0	34.49	31.56	0	0	0	0				0		8.25625
Beryllium	ug/L	---	---	3.15	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	0.658	0	0	0	0	0	0	0				0		0
Thallium	ug/L	---	---	191	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	39.9	0	0	0	0	0	0	0				0		0
Chromium III	ug/L	---	---	18200000	0	0	0	0	0	0	4.35				0		0.54375
	lbs/d	---	---	3790000	0	0	0	0	0	0	1				0		0.125
		Limitations															
		6-Mnth	Daily	Instant													
Arsenic	ug/L	481	2780	7360	0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/d	100	579	1,540	0	0	0	0	0	0	0	0	0	0	0	0	0
Cadmium	ug/L	95.6	382	956	0	0	0	0	0	0	0	1.22	0	0	0	0	0.10
	lbs/d	19.9	79.7	199	0	0	0	0	0	0	0	0.49	0	0	0	0	0.04
Chromium VI	ug/L	191	765	1910	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	lbs/d	39.9	159	399	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Copper	ug/L	97.6	958	2680	0	0	0	0	0	0	5.505	0	0	0	5.344	0	0.90
	lbs/d	20.3	200	559	0	0	0	0	0	0	1.12	0	0	0	1.15	0	0.19
Iron	ug/L				72.7	238	107	256	124	84.75	61.22						135
Lead	ug/L	191	765	1910	0	0	30.74	160	187	0	0	0	0	0	0	7.08	32.07
	lbs/d	39.9	159	399	0	0	5.93	34.8	42.5	0	0	0	0	0	0	1.56	7.07
Mercury	ug/L	3.78	15.2	38.2	0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/d	0.787	3.18	7.96	0	0	0	0	0	0	0	0	0	0	0	0	0
Nickel	ug/L	478	1910	4780	15.875	9.9	3.92	0	8.42	14.975	24.875	17.44	17.25	18.75	20.38	13	13.73
	lbs/d	99.7	399	997	3.52	2.19	0.776	0	1.88	2.99	5.14	3.49	3.84	3.82	4.38	2.53	2.88
Selenium	ug/L	1430	5740	14300	0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/d	299	1200	2990	0	0	0	0	0	0	0	0	0	0	0	0	0
Silver	ug/L	51.8	253	654	0	0	0	0	0	0	1.725	0	0	0	0	0	0.14
	lbs/d	10.8	52.7	136	0	0	0	0	0	0	0.353	0	0	0	0	0	0.03
Zinc	ug/L	1160	6890	18400	28.475	76.05	183.04	160.475	196.72	22.025	13.275	23.74	10.35	0	0	46.76	63.41
	lbs/d	241	1440	3830	6.29	14.7	35.8	34.29	42.9	4.56	2.71	4.69	2.37	0	0	9.5	13.15
Cyanide	ug/L	95.6	382	956	0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/d	19.9	79.7	199	0	0	0	0	0	0	0	0	0	0	0	0	0
Total chlorine residual	mg/L	0.191	0.765	5.74	0.16	0.16	0.17	0.13	0	0	0	0	0	0	0	0	0.05
	lbs/d	39.9	159	1200	28.5	76	183	160	0	0	0	0	0	0	0	0	37.29
Ammonia-N	mg/L	57.4	229	574	6.45	8.45	7.02	11.45	5.86	6.475	6.415	8.5	7.6	9.8	5	6.8	7.49
	lbs/d	12000	47800	120000	1380	1742	1407	2462	1255	1310	1320	1632	1698	1804	1015	1450	1540

NPDES Data for the South Bay International WTP

2014 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
RADIOACTIVITY		Limitations															
Alpha Radiation	pc/L	See Cal. code of Reg. Title 17, Division 1,Chapter 5, Subchapter 4, Group 3, Article 3, Section 32069			3.17	0.14	9.37	0.00	1.61	11.10	1.66	2.00	4.06	10.30	2.95	12.10	4.87
Beta Radiation	pc/L				4.31	5.65	14.20	6.64	1.80	10.40	6.98	2.06	1.27	12.20	4.72	3.22	6.12
CHLORINATED PESTICIDES		Limitations															
		6-Mnth	Daily	30-day													
Aldrin	ug/L	---	---	0.0021	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	0.000439	0	0	0	0	0	0	0				0		0
Dieldrin	ug/L	---	---	0.00382	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	0.000797	0	0	0	0	0	0	0				0		0
HEXACHLOROCYCLOHEXANE'S		Limitations															
		6-Mnth	Daily	Instant													
alpha-BHC	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
beta-BHC	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
gamma-BHC (Lindane)	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
delta-BHC	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL HCH	ug/L	0.382	0.765	1.15	0	0	0	0	0	0	0	0	0	0	0	0	0
MASS EMISSION LBS/DAY	lbs/d	0.0797	0.159	0.239	0	0	0	0	0	0	0	0	0	0	0	0	0
DDT's		Limitations															
		Daily	7-day	30-day													
p,p'-DDD	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
p,p'-DDE	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
p,p'-DDT	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
o,p-DDD	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
o,p-DDE	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
o,p-DDT	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
TOTAL DDT's	ug/L	---	---	0.0163	0	0	0	0	0	0	0				0		0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.00339	0	0	0	0	0	0	0				0		0
HEPTACHLOR		Limitations															
		Daily	7-day	30-day													
Heptachlor	ug/L	---	---	0.00478	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	0.000997	0	0	0	0	0	0	0				0		0
Heptachlor epoxide	ug/L	---	---	0.00191	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	0.000399	0	0	0	0	0	0	0				0		0
CHLORDANE																	
Alpha (cis) Chlordane	ug/l	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Gamma (trans) Chlordane	ug/l	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxychlordane	ug/l	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
trans Nonachlor	ug/l	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
cis Nonachlor	ug/l	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL CHLORDANE	ug/l	---	---	0.0022	0	0	0	0	0	0	0	0	0	0	0	0	0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.000458	0	0	0	0	0	0	0	0	0	0	0	0	0
ENDOSULFAN		Limitations															
		6-Mnth	Daily	Instant													
Alpha Endosulfan	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Beta Endosulfan	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Endosulfan Sulfate	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENDOSULFAN	ug/L	0.86	1.72	2.58	0	0	0	0	0	0	0	0	0	0	0	0	0
MASS EMISSION LBS/DAY	lbs/d	0.179	0.359	0.538	0	0	0	0	0	0	0	0	0	0	0	0	0

NPDES Data for the South Bay International WTP

2014 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
OTHER MISC. CHLORINATED PESTICIDES																	
Endrin	ug/L	0.191	0.382	0.574	0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/d	0.0399	0.0797	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limitations															
		Daily	7-day	30-day													
Endrin aldehyde	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
Mirex	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
Methoxychlor	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
Toxaphene	ug/L	---	---	0.0201	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	0.00419	0	0	0	0	0	0	0				0		0
PCB's																	
PCB 1016	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
PCB 1221	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
PCB 1232	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
PCB 1242	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
PCB 1248	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
PCB 1254	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
PCB 1260	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
PCB 1262	ug/L	---	---	---													
TOTAL PCB's	ug/L	---	---	0.00182	0	0	0	0	0	0	0				0		0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.000379	0	0	0	0	0	0	0				0		0
EPA METHOD 605																	
benzidine	ug/L	---	---	0.0066	0	0	0	0	0	0	0				0		0
benzidine	lbs/d	---	---	0.00138	0	0	0	0	0	0	0				0		0
3,3-dichlorobenzidine	ug/L	---	---	0.774	0	0	0	0	0	0	0				0		0
3,3-dichlorobenzidine	lbs/d	---	---	0.161	0	0	0	0	0	0	0				0		0
TRIBUTYL TIN ANALYSIS																	
tributyl tin	ug/L	---	---	0.134	0	0	0	0	0	0	0				0		0
	lbs/L	---	---	0.0279	0	0	0	0	0	0	0				0		0
dibutyl tin	ug/L	---	---	---	0	0	0	0	0	0	0						0
monobutyl tin	ug/L	---	---	---	0	0	0	0	0	0	0						0
BASE/NEUTRAL COMPOUNDS		Limitations															
		Daily	7-day	30-day													
bis(2-chloroethyl) ether	ug/L	---	---	4.3	0	0	0	0	0	0	0				0		0
bis(2-chloroethyl) ether	lbs/d	---	---	0.897	0	0	0	0	0	0	0				0		0
DICHLOROBENZENE																	
metadichlorobenzene, 1,3	ug/L	---	---	---	0	0	0	0	0	0	0						0
orthodichlorobenzene, 1,2	ug/L	---	---	---	0	0	0	0	0	0	0						0
TOTAL DICHLOROBENZENE	ug/L	---	---	488000	0	0	0	0	0	0	0				0		0
MASS EMISSION LBS/DAY	lbs/d	---		102000	0	0	0	0	0	0	0				0		0
paradichlorobenzene (1,4-dichlorobenzene)	ug/L	---	---	1720	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	359	0	0	0	0	0	0	0				0		0
bis-(2-chloroisopropyl) ether	ug/L	---	---	115000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	23900	0	0	0	0	0	0	0				0		0
N-nitrosodi-n-propylamine	ug/L	---	---	36.3	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	7.57	0	0	0	0	0	0	0				0		0
nitrobenzene	ug/L	---	---	468	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	97.7	0	0	0	0	0	0	0				0		0
hexachloroethane	ug/L	---	---	250	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	49.8	0	0	0	0	0	0	0				0		0
isophorone	ug/L	---	---	69800	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	14600	0	0	0	0	0	0	0				0		0
bis(2-chloroethoxy)methane	ug/L	---	---	421	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	87.7	0	0	0	0	0	0	0				0		0
1,2,4-trichlorobenzene	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
naphthalene	ug/L	---	---	---	0	0	0	0	0	0	0						0
hexachlorobutadiene	ug/L	---	---	1340	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	279	0	0	0	0	0	0	0				0		0
hexachlorocyclopentadiene	ug/L	---	---	5540	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	1160	0	0	0	0	0	0	0				0		0

NPDES Data for the South Bay International WTP

2014 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
acenaphthylene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
dimethyl phthalate	ug/L	---	---	78400000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	16300000	0	0	0	0	0	0	0				0		0
2,6-dinitrotoluene	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
acenaphthene	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
2,4-dinitrotoluene	ug/L	---	---	249	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	51.8	0	0	0	0	0	0	0				0		0
fluorene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
4-chlorophenyl phenyl ether	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
diethyl phthalate	ug/L	---	---	3150000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	658000	0	0	0	0	0	0	0				0		0
N-nitrosodiphenylamine	ug/L	---	---	239	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	49.8	0	0	0	0	0	0	0				0		0
4-bromophenyl phenyl ether	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
hexachlorobenzene	ug/L	---	---	0.0201	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	0.00419	0	0	0	0	0	0	0				0		0
phenanthrene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
anthracene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
di-n-butyl phthalate	ug/L	---	---	335000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	69800	0	0	0	0	0	0	0				0		0
N-nitrosodimethylamine	ug/L	---	---	69800	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	14600	0	0	0	0	0	0	0				0		0
fluoranthene	ug/L	---	---	1430	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	299	0	0	0	0	0	0	0				0		0
pyrene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
butyl benzyl phthalate	ug/L	---	---	---	0	0	0	0	0	0	0						0
chrysene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
benzo(A)anthracene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
bis-(2-ethylhexyl) phthalate	ug/L	---	---	335	7.2	0	7.9	7.9	0	0	0				0		2.875
	lbs/d	---	---	69.8	1.63	0	1.27	1.64	0	0	0				0		0.568
di-n-octyl phthalate	ug/L	---	---	---	0	0	0	0	0	0	0						0
benzo (K) fluoranthene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
3,4-benzo (B) fluoranthene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
benzo (A) pyrene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
dibenzo (A,H) anthracene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
benzo (G,H,I) perylene pah	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
1,2-diphenylhydrazine	ug/L	---	---	15.3	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	3.19	0	0	0	0	0	0	0				0		0
TOTAL PAH'S	ug/L	---	---	0.841	0	0	0	0	0	0	0				0		0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.175	0	0	0	0	0	0	0				0		0

CHLORINATED PHENOLS		Limitations															
		Daily	7-day	30-day													
2-chlorophenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
2,4-dichlorophenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
4-cholor-3-methylphenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
2,4,6-trichlorophenol	ug/L	---	---	28	0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/d	---	---	5.8	0	0	0	0	0	0	0	0	0	0	0	0	0
pentachlorophenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
		6-Mnth	Daily	Instant													
TOTAL CHLORINATED PHENOLIC COMP	ug/L	95.6	382	956	0	0	0	0	0	0	0	0	0	0	0	0	0
MASS EMISSION LBS/DAY	lbs/d	19.9	79.7	199	0	0	0	0	0	0	0	0	0	0	0	0	0

NON-CHLORINATED PHENOLS																	
phenol	ug/L	---	---	---	0	0	0	1.27	0	0	0	5.9	0	0	5.9	0	1.09
2-nitrophenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
2,4-dimethylphenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
2,4-dinitrophenol	ug/L	---	---	382	0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/d	---	---	79.7	0	0	0	0	0	0	0	0	0	0	0	0	0
4-nitrophenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
2-methyl-4,6-dinitrophenol	ug/L	---	---	21000	0	0	0	0	0	0	0	0	0	0	0	0	0
	lbs/d	---	---	4390	0	0	0	0	0	0	0	0	0	0	0	0	0
		6-Mnth	Daily	Instant													
TOTAL NON-CHLORINATED PHENOLIC C	ug/L	2870	11500	28700	0	0	0	2.7	0	0	0	8.8	0	0	8.8	0	1.692
MASS EMISSION LBS/DAY	lbs/d	598	2390	5980	0	0	0	0.6	0	0	0	1.7	0	0	1.8	0	0.342

NPDES Data for the South Bay International WTP

2014 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
HALOMETHANE PURGEABLE COMPOUNDS (EPA 624) (VOC's)		Limitations															
		---	---	30-day													
chloromethane (hal)	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
bromomethane (hal)	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
vinyl chloride	ug/L	---	---	3440	0	0	0	0	0	0	0				0		0
chloroethene	ug/L	---	---	---	0	0	0	0	0	0	0						0
1,1-dichloroethene (1,1-dichloroethlyene)	ug/L	---	---	86	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	17.9	0	0	0	0	0	0	0				0		0
trichlorofluoromethane	ug/L	---	---	---	0	0	0	0	0	0	0						0
methlyene chloride (dichloromethane)	ug/L	---	---	43000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	8970	0	0	0	0	0	0	0				0		0
1,1-dichloroethane	ug/L	---	---	---	0	0	0	0	0	0	0						0
trans-1,2-dichloroethene	ug/L	---	---	---	0	0	0	0	0	0	0						0
chloroform	ug/L	---	---	12400	2.3	10	3.9	0	0	0	0				0		2.025
	lbs/d	---	---	2590	1	2	1	0	0	0	0				0		0.5
1,2-dichloroethane	ug/L	---	---	2680	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	558	0	0	0	0	0	0	0				0		0
1,1,1-trichloroethane	ug/L	---	---	51600000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	10800000	0	0	0	0	0	0	0				0		0
carbon tetrachloride	ug/L	---	---	86	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	17.9	0	0	0	0	0	0	0				0		0
DCBM-bromodichloromethane	ug/L	---	---	593	1.4	8.3	0	0	0	0	0				0		1.2125
	lbs/d	---	---	124	0.317	1.73	0	0	0	0	0				0		0.255875
1,2-dichloropropane	ug/L	---	---	---	0	0	0	0	0	0	0						0
trans-1,3-dichloropropene	ug/L	---	---	851	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	177	0	0	0	0	0	0	0				0		0
trichloroethene (trichloroethylene)	ug/L	---	---	2580	7.2	0	0	0	0	0	0				0		0.9
	lbs/d	---	---	538	1.63	0	0	0	0	0	0				0		0.20375
benzene	ug/L	---	---	564	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	118	0	0	0	0	0	0	0				0		0
dibromochloromethane	ug/L	---	---	---	0	4.7	0	0	0	0	0				0		0.5875
1,1,2-trichloroethane	ug/L	---	---	899	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	187	0	0	0	0	0	0	0				0		0
cis-1,3-dichloropropene	ug/L	---	---	851	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	177	0	0	0	0	0	0	0				0		0
2-chloroethylvinyl ether	ug/L	---	---	---	0	0	0	0	0	0	0						0
bromoform (hal)	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
1,1,2,2-tetrachloroethane	ug/L	---	---	220	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	45.8	0	0	0	0	0	0	0				0		0
tetrachloroethene (tetrachloroethylene)	ug/L	---	---	191	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	39.9	0	0	0	0	0	0	0				0		0
toluene	ug/L	---	---	8130000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	1690000	0	0	0	0	0	0	0				0		0
chlorobenzene	ug/L	---	---	54500	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	11400	0	0	0	0	0	0	0				0		0
ethylbenzene	ug/L	---	---	392000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	81700	0	0	0	0	0	0	0				0		0
2-butanone (MEK)	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
carbon disulfide	ug/L	---	---	---	0	0	0	0	0	0	0				0		0
TOTAL HALOMETHANE PURGEABLE CM	ug/L	---	---	13000	0	0	0	0	0	0	0				0		0
MASS EMISSION LBS/DAY	lbs/d	---	---	2700	0	0	0	0	0	0	0				0		0
EPA METHOD 624		Limitations															
		Daily	7-day	30-day													
acrylonitrile	ug/L	---	---	9.56	0	0	0	0	0	0	0				0		0
	lbs/L	---	---	1.99	0	0	0	0	0	0	0				0		0
acrolein	ug/L	---	---	21000	0	0	0	0	0	0	0				0		0
	lbs/d	---	---	4390	0	0	0	0	0	0	0				0		0

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EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
TCDD EQUIVALENTS		Limitations															
		Daily	7-day	30-day													
2,3,7,8-tetra CDD	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,7,8-penta CDD	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,4,7,8-hexa CDD	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,6,7,8-hexa CDD	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,7,8,9-hexa CDD	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,4,6,7,8-hepta CDD	pg/L	---	---	---	5.37	0	0	0	0	0	0	0			0		0.596666667
octa CDD	pg/L	---	---	---	24	37.8	0	0	58.3	0	0	19.1			15.4		17.17777778
2,3,7,8-tetra CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,7,8-penta CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
2,3,4,7,8-penta CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,4,7,8-hexa CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,6,7,8-hexa CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,7,8,9-hexa CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
2,3,4,6,7,8-hexa CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,4,6,7,8-hepta CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
1,2,3,4,7,8,9-hepta CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
octa CDF	pg/L	---	---	---	0	0	0	0	0	0	0	0			0		0
TOTAL TCDD	pg/L	---	---	0.373	0.0777	0.0378	0	0	0.0583	0	0	0.0191			0.0154		0.023144444
Mass Emission lbs/day	lbs/d	---	---	0.000000777	1.76E-08	7.87E-09	0	0	1.39E-08	0	0	3.67E-09			3.13E-09		5.13E-09

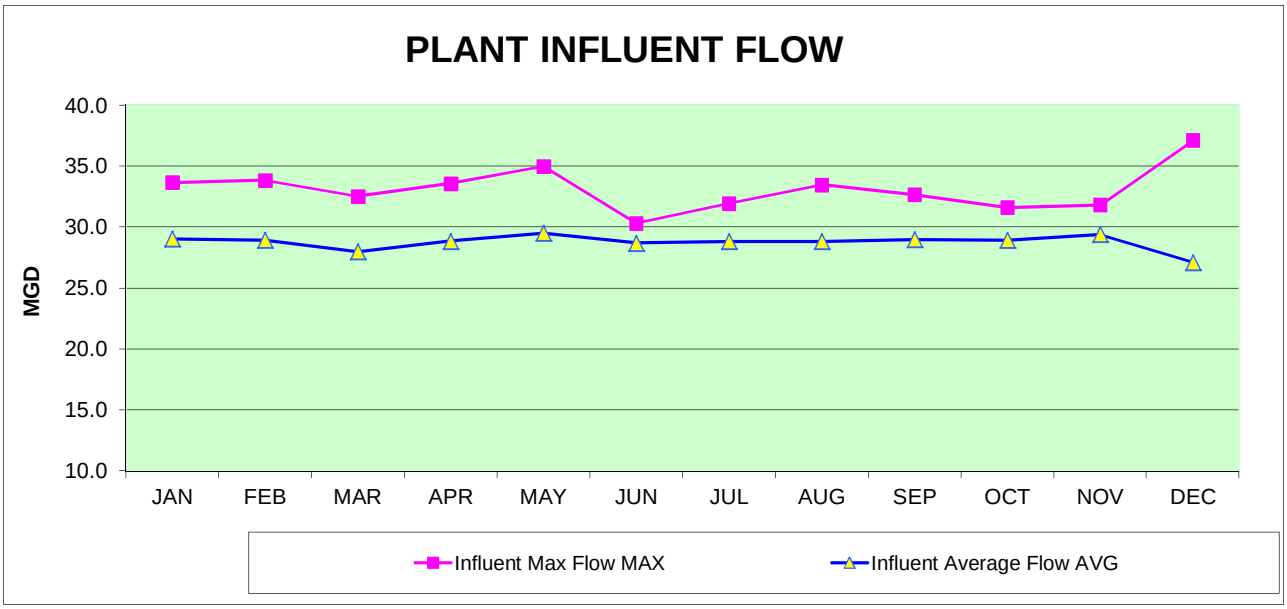
0 = not detected: NS = not sampled
NA = not analyzed

INFLUENT GRAPHS

International Boundary and Water Commission

South Bay International WTP

2014 Annual NPDES Report



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MAX	33.65	33.82	32.51	33.58	34.99	30.32	31.94	33.47	32.64	31.61	31.81	37.10
AVG	29.03	28.92	27.99	28.84	29.50	28.68	28.82	28.81	28.97	28.93	29.40	27.11

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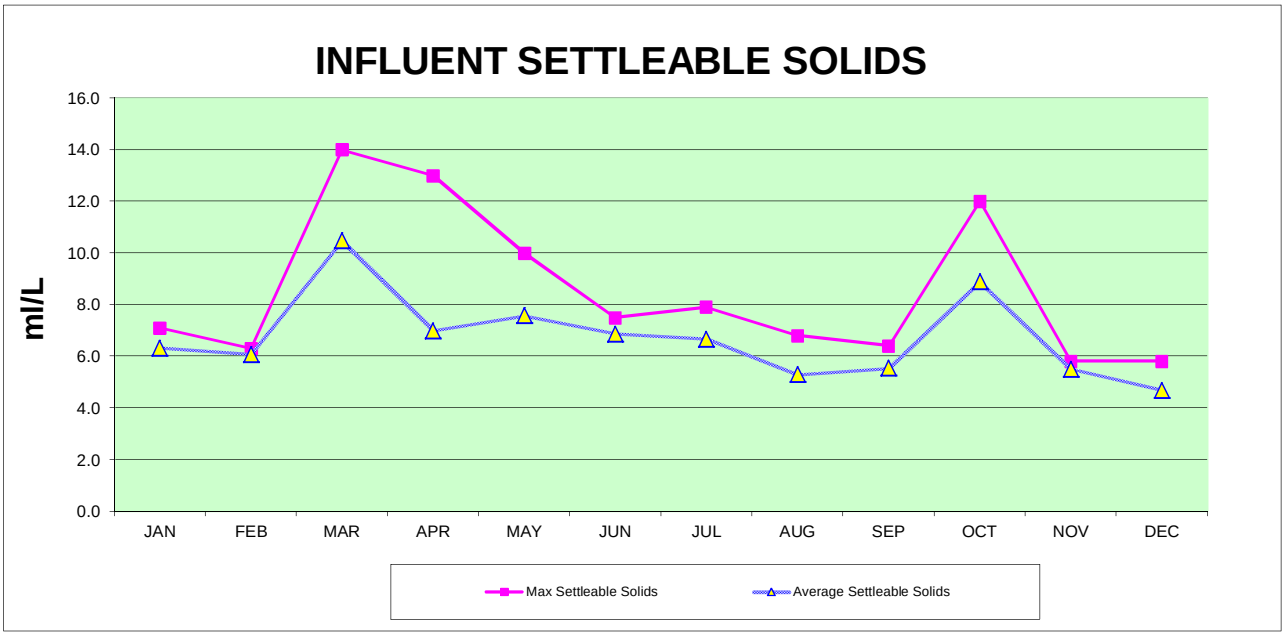

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	7.1	6.3	14.0	13.0	10.0	7.5	7.9	6.8	6.4	12.0	5.8	5.8
Average	6.3	6.1	10.5	7.0	7.6	6.9	6.7	5.3	5.6	8.9	5.5	4.7

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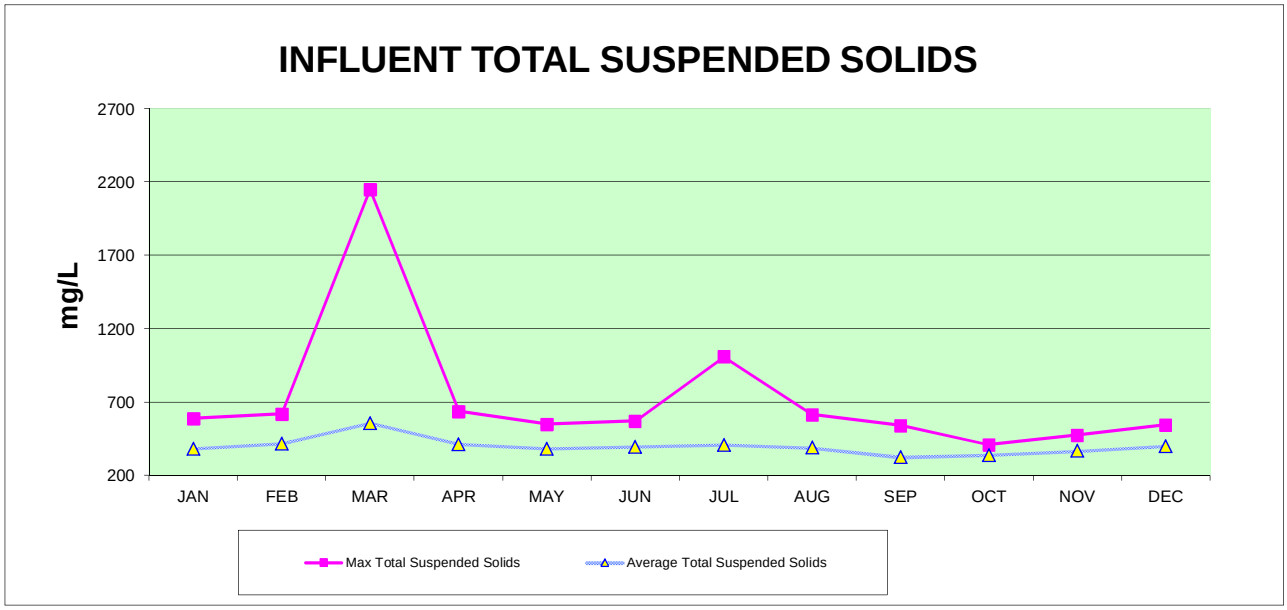

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	588	620	2150	636	552	572	1010	614	540	412	476	546
Average	385	421	561	416	386	398	412	393	326	341	371	404

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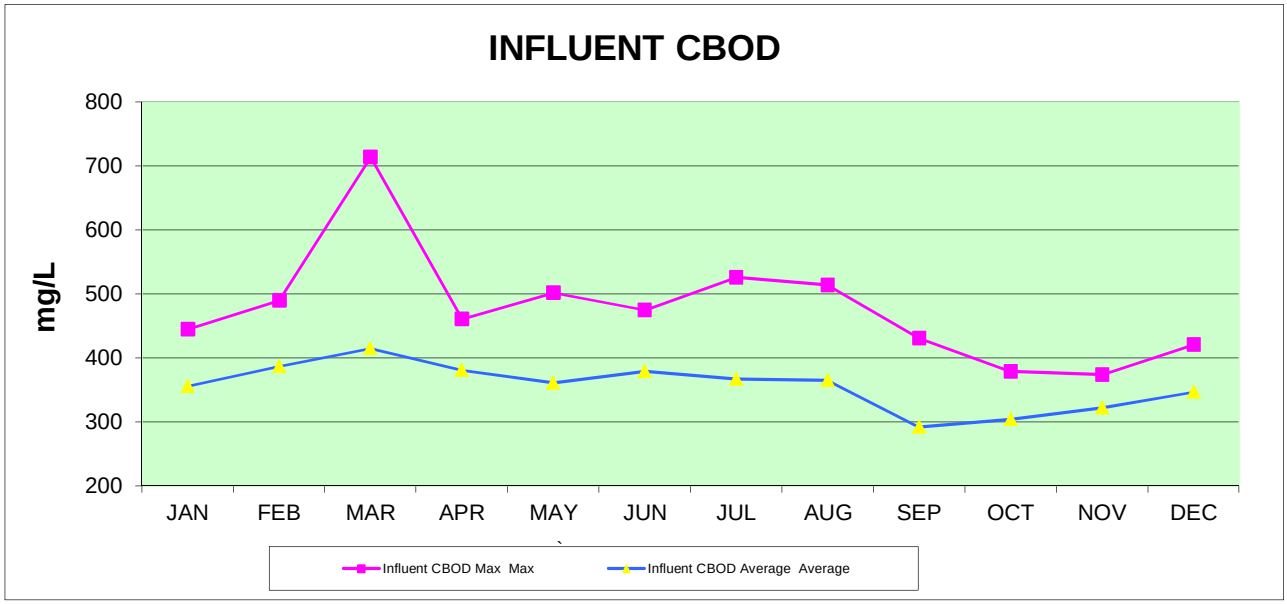

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	445	490	714	461	502	475	526	514	431	379	374	421
Average	356	387	415	381	361	379	367	365	292	304	322	347

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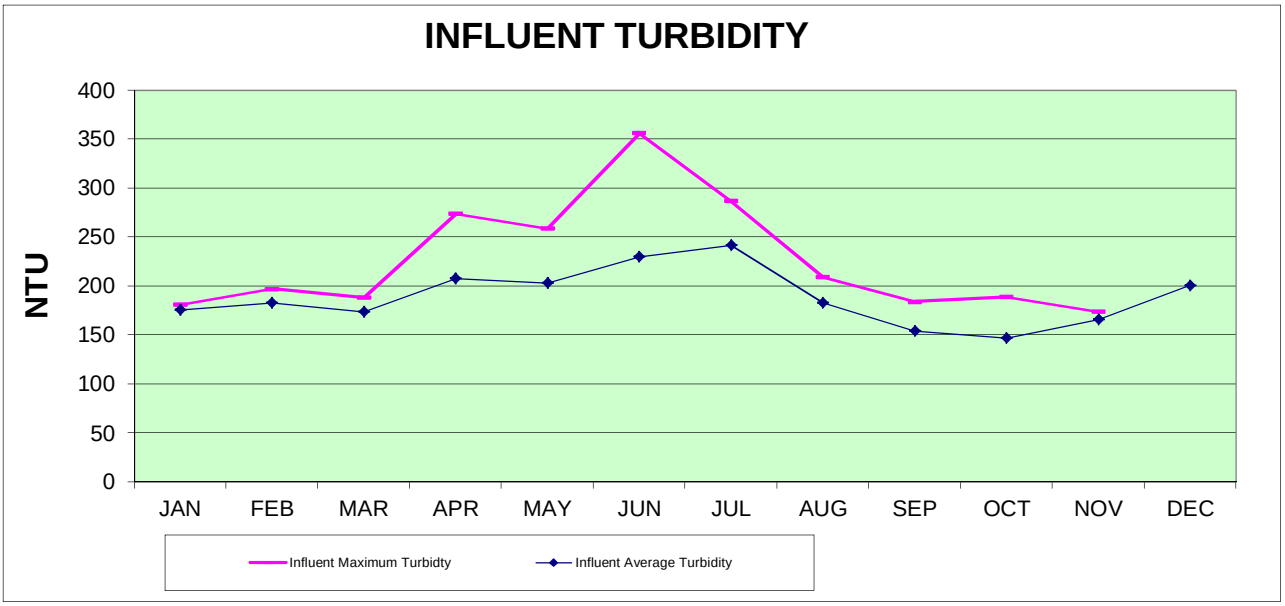

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	181	197	188	274	259	356	287	209	184	189	174	247
Average	176	183	174	208	203	230	242	183	154	147	166	201

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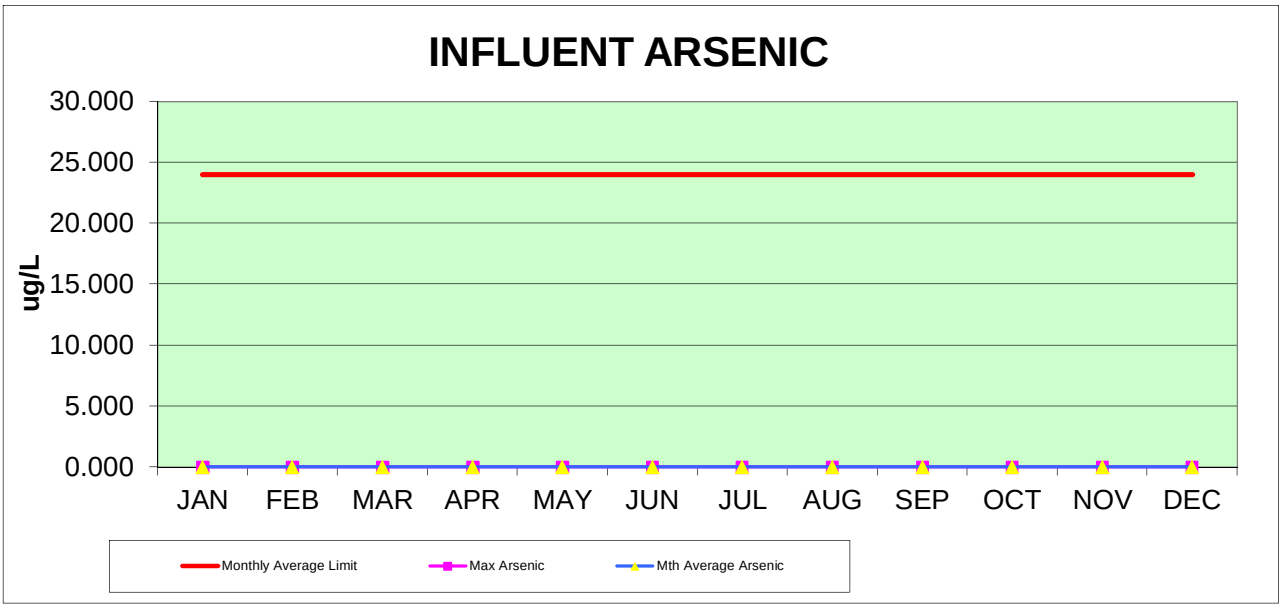

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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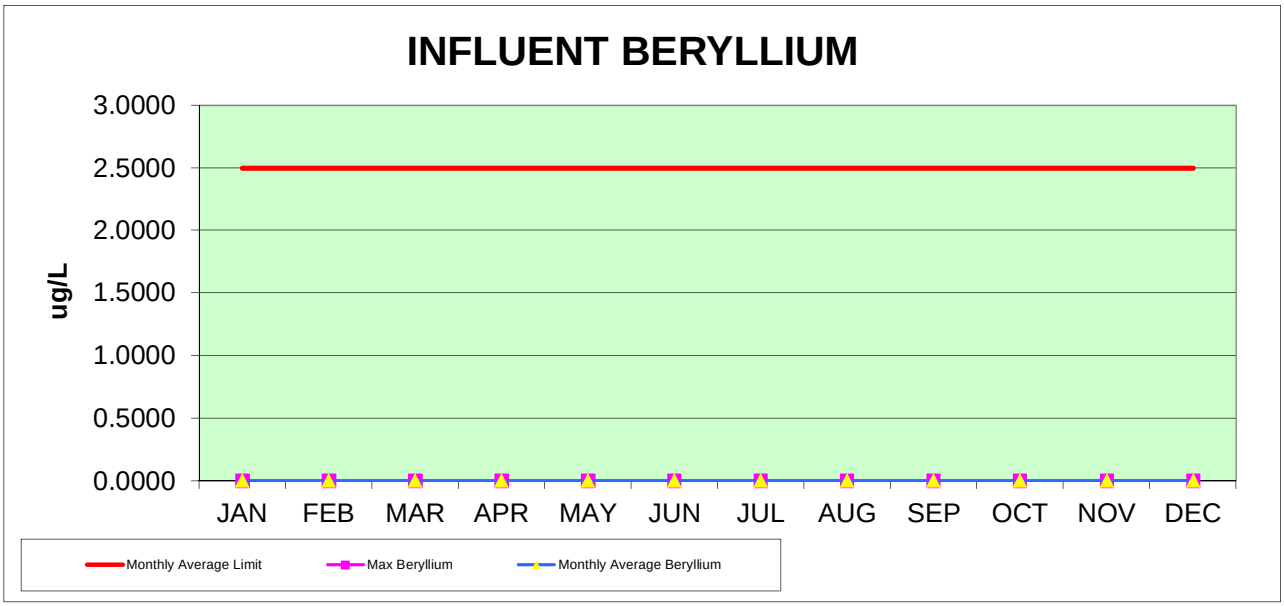

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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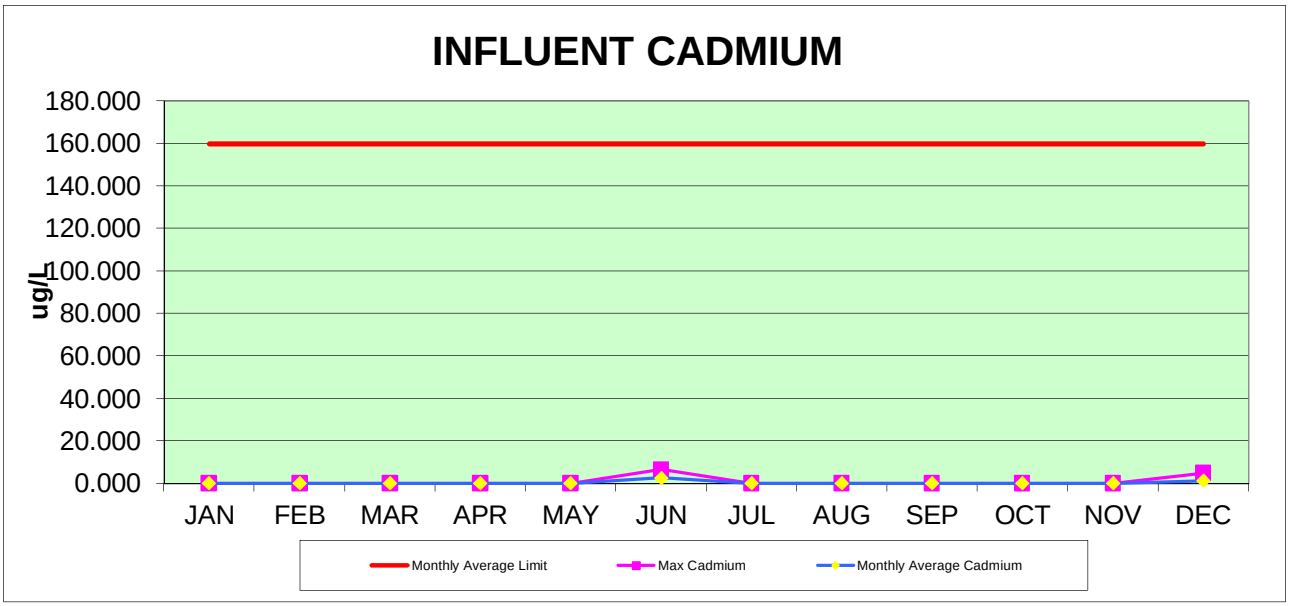

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000
Max	0.000	0.000	0.000	0.000	0.000	6.400	0.000	0.000	0.000	0.000	0.000	4.800
Average	0.000	0.000	0.000	0.000	0.000	2.525	0.000	0.000	0.000	0.000	0.000	1.200

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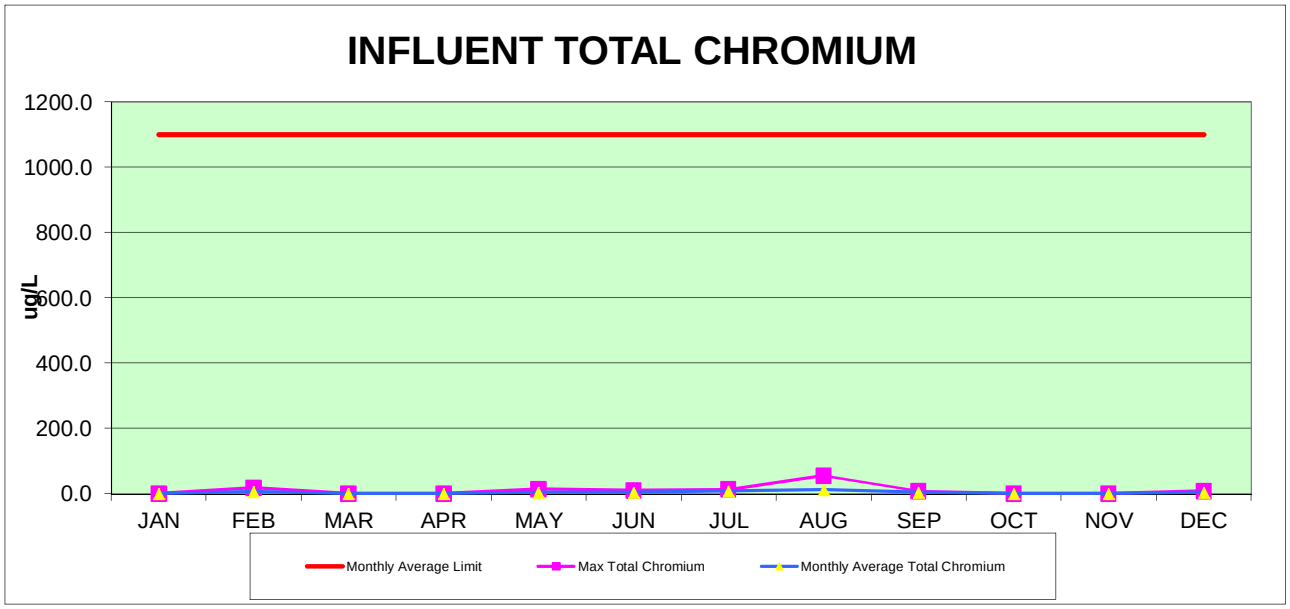

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
Max	0.000	17.700	0.000	0.000	14.000	9.500	12.900	54.900	8.400	0.000	0.000	7.500
Average	0.000	5.325	0.000	0.000	3.760	4.500	8.675	11.940	4.700	0.000	0.000	3.520

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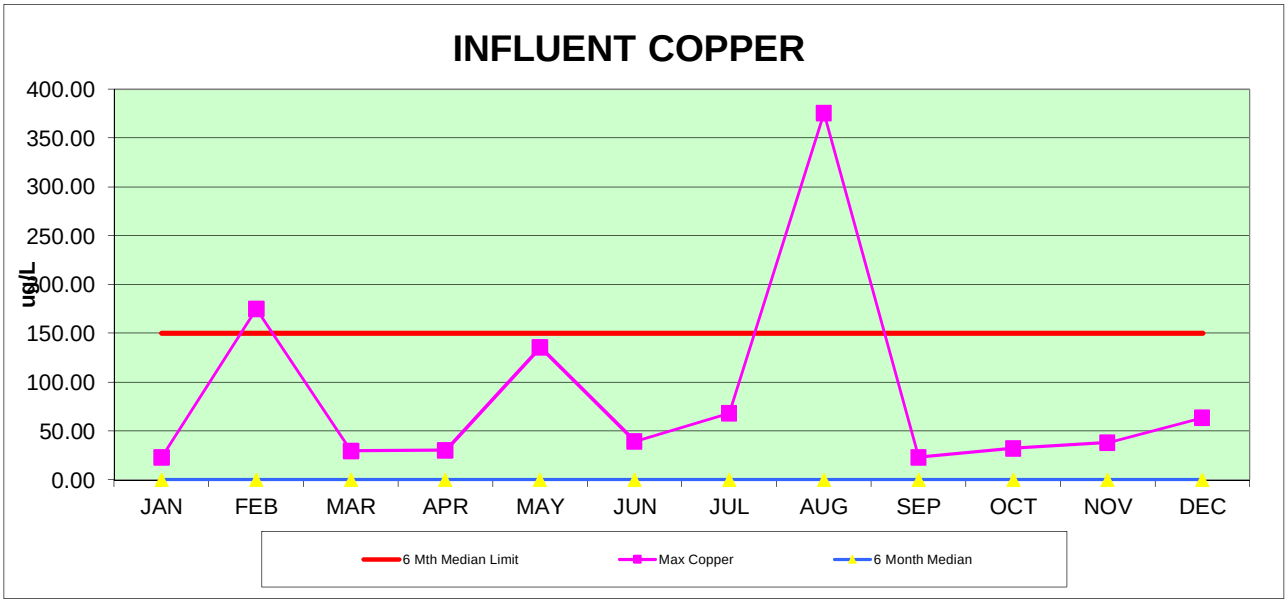

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
Max	22.800	175.000	29.500	30.500	136.000	39.600	68.400	376.000	23.000	32.000	38.000	64.000
Median	0.280	0.040	0.020	0.020	0.050	0.050	0.050	0.030	0.200	0.030	0.000	0.000

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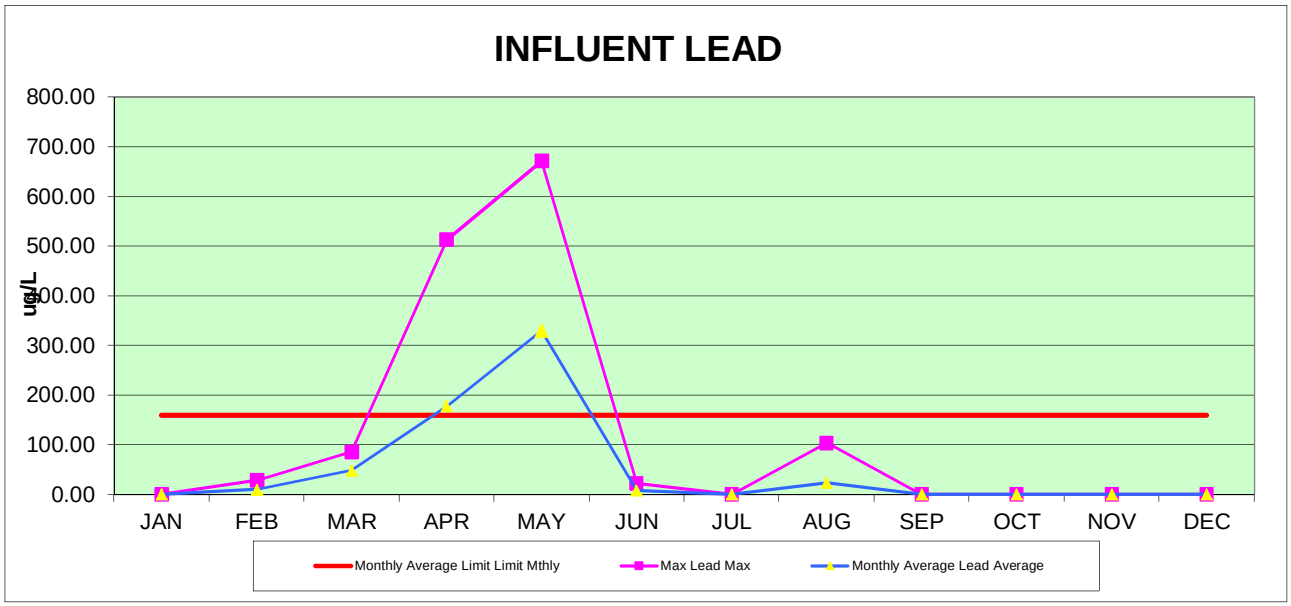

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00
Max	0.000	28.400	85.800	513.000	672.000	22.400	0.000	104.000	0.000	0.000	0.000	0.000
Average	0.000	9.800	48.600	177.725	330.240	8.300	0.000	23.680	0.000	0.000	0.000	0.000

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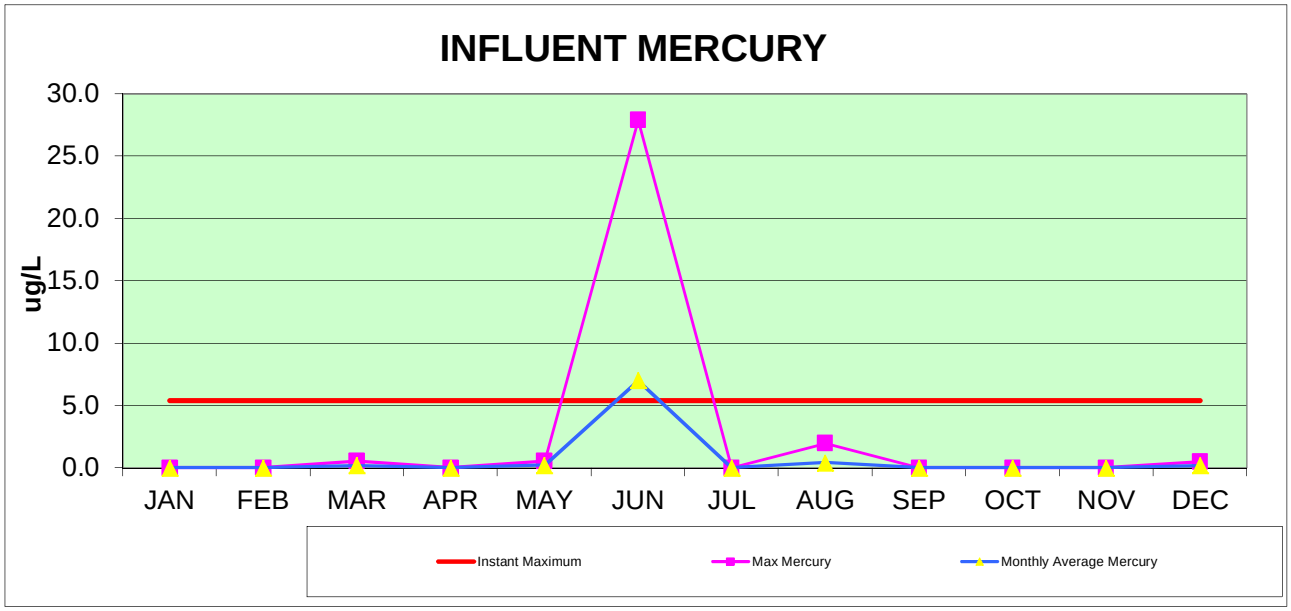

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Max	0.00000	0.00000	0.52500	0.00000	0.54800	27.90000	0.00000	1.98000	0.00000	0.00000	0.00000	0.47000
Average	0.00000	0.00000	0.17880	0.00000	0.20900	6.99075	0.00000	0.41280	0.00000	0.00000	0.00000	0.19060

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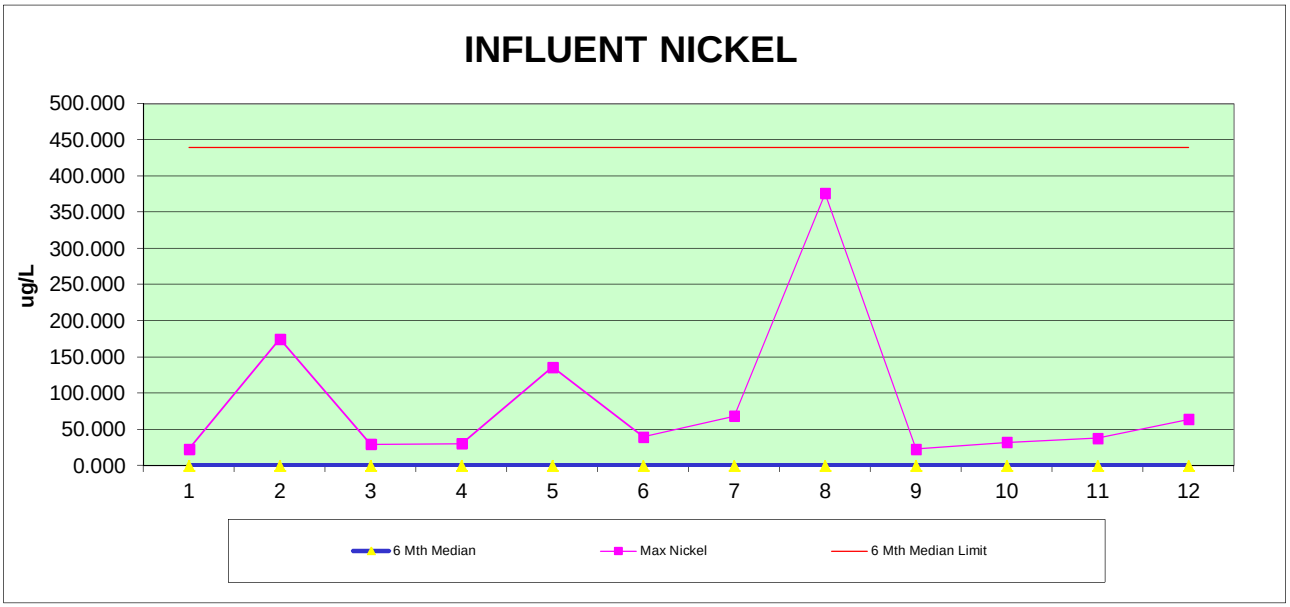

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00
Max	22.800	175.000	29.500	30.500	136.000	39.600	68.400	376.000	23.000	32.000	38.000	64.000
6 Mth Median	0.070	0.030	0.030	0.020	0.040	0.040	0.030	0.020	0.080	0.010	0.000	0.000

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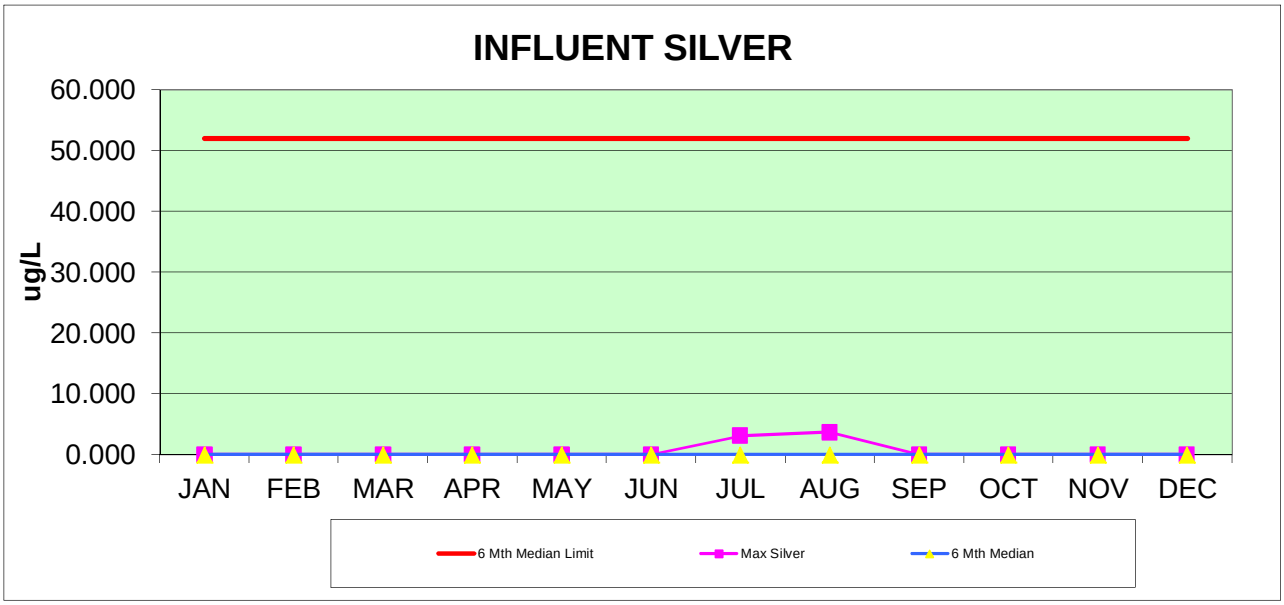

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	3.100	3.700	0.000	0.000	0.000	0.000
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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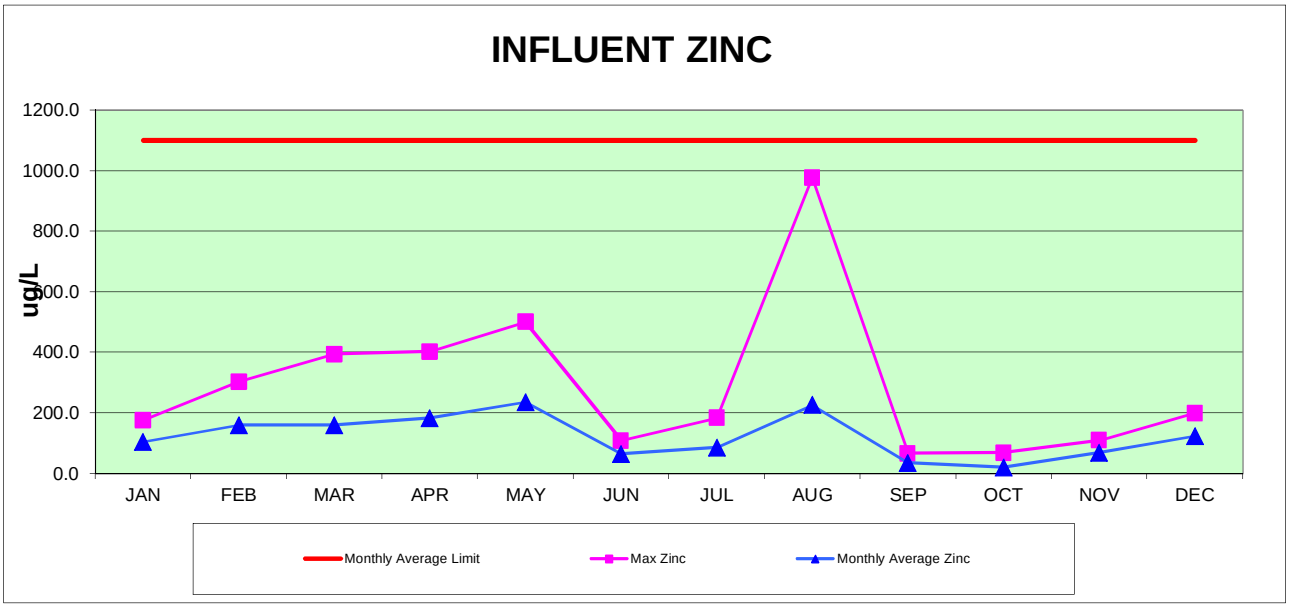

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mthly Limit	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
Max	177.000	303.000	395.000	402.000	501.000	109.000	184.000	977.000	67.000	68.000	110.000	200.000
Average	105.000	160.000	159.000	182.000	236.000	64.700	84.900	226.000	34.600	20.600	69.400	123.800

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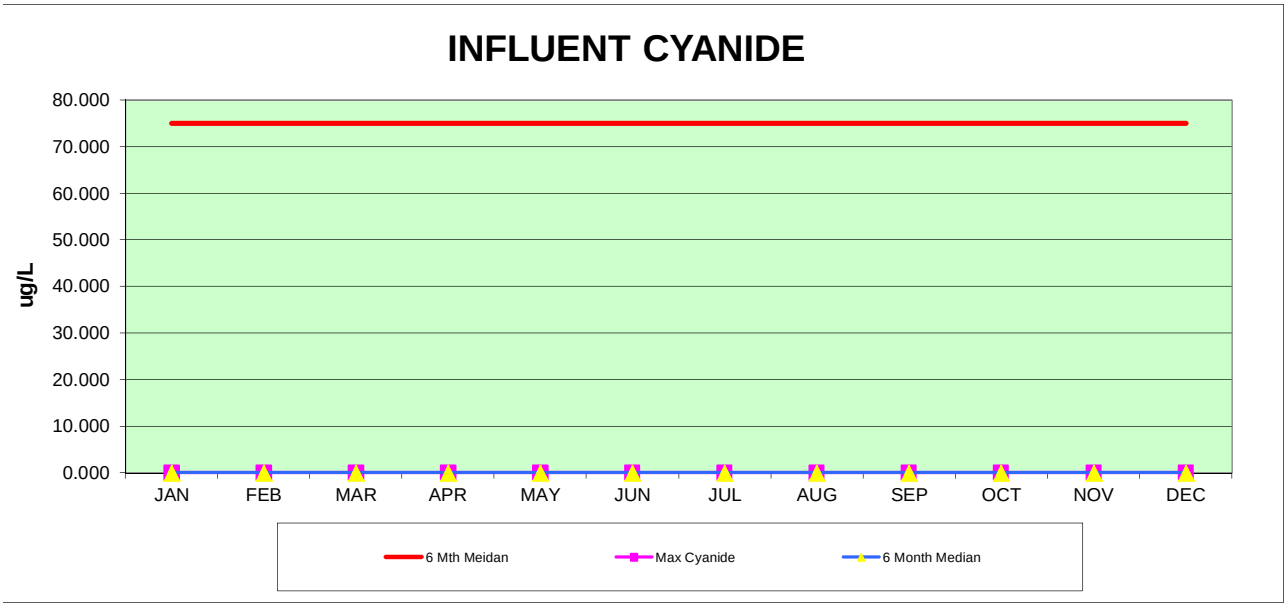

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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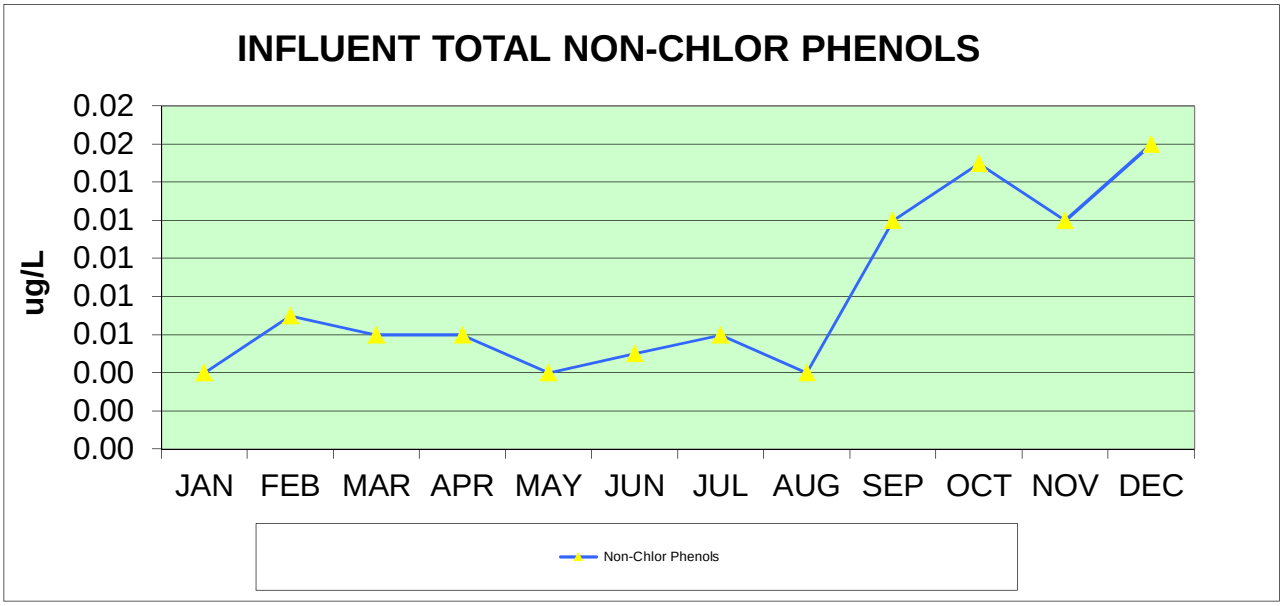

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average	0.004	0.007	0.006	0.006	0.004	0.005	0.006	0.004	0.012	0.015	0.012	0.016

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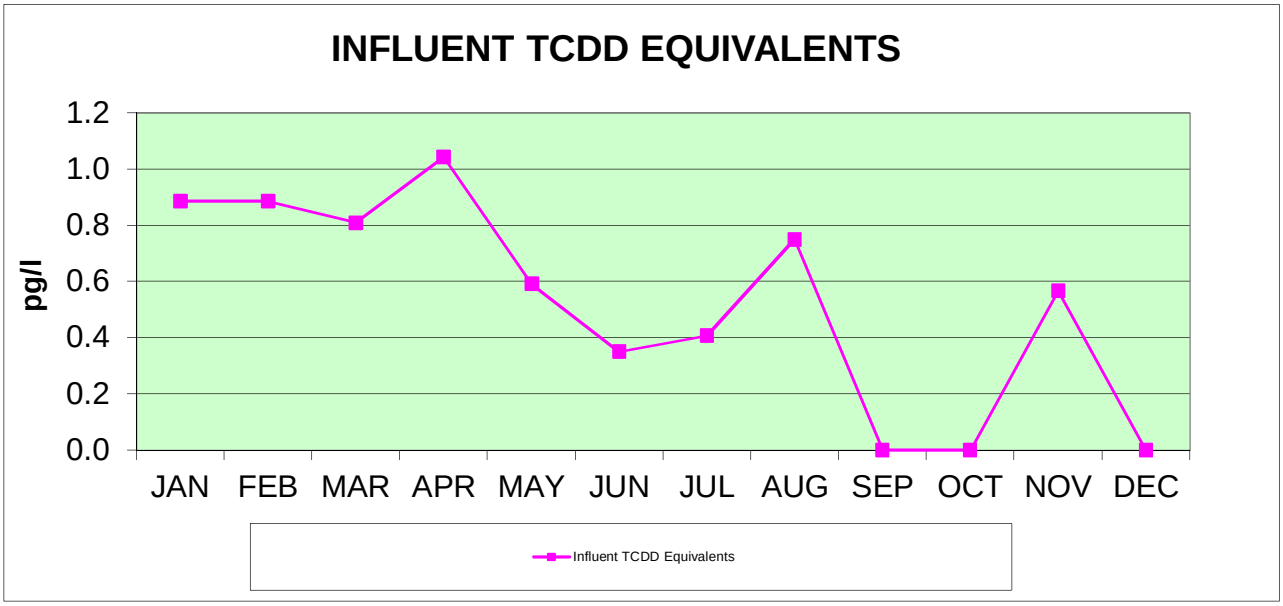

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average	0.89	0.89	0.81	1.04	0.59	0.35	0.41	0.75	0.00	0.00	0.57	0.00

EFFLUENT GRAPHS

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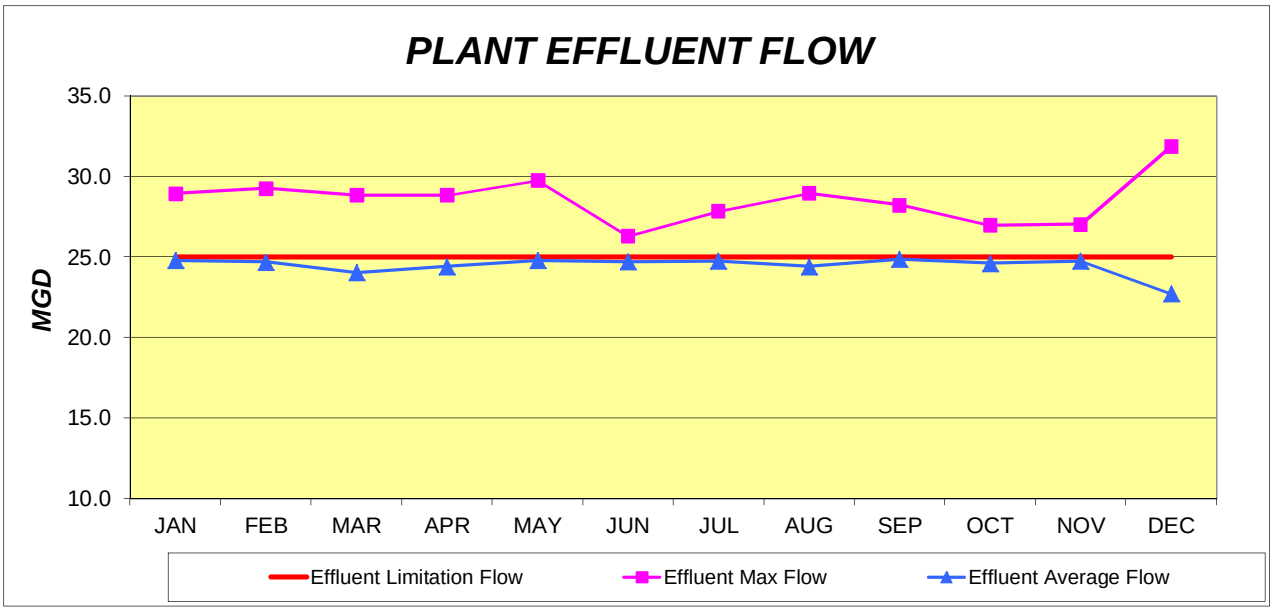

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Max	28.94	29.25	28.85	28.85	29.76	26.29	27.84	28.96	28.23	26.98	27.04	31.89
Average	24.78	24.68	24.03	24.42	24.79	24.70	24.74	24.42	24.86	24.61	24.75	22.72

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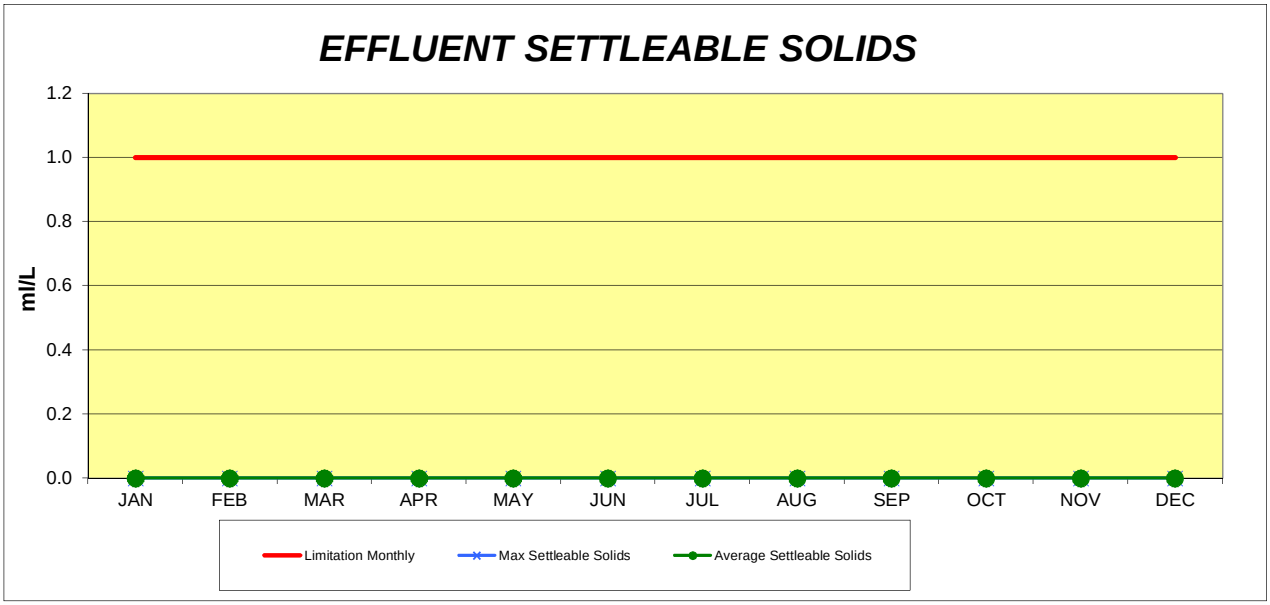

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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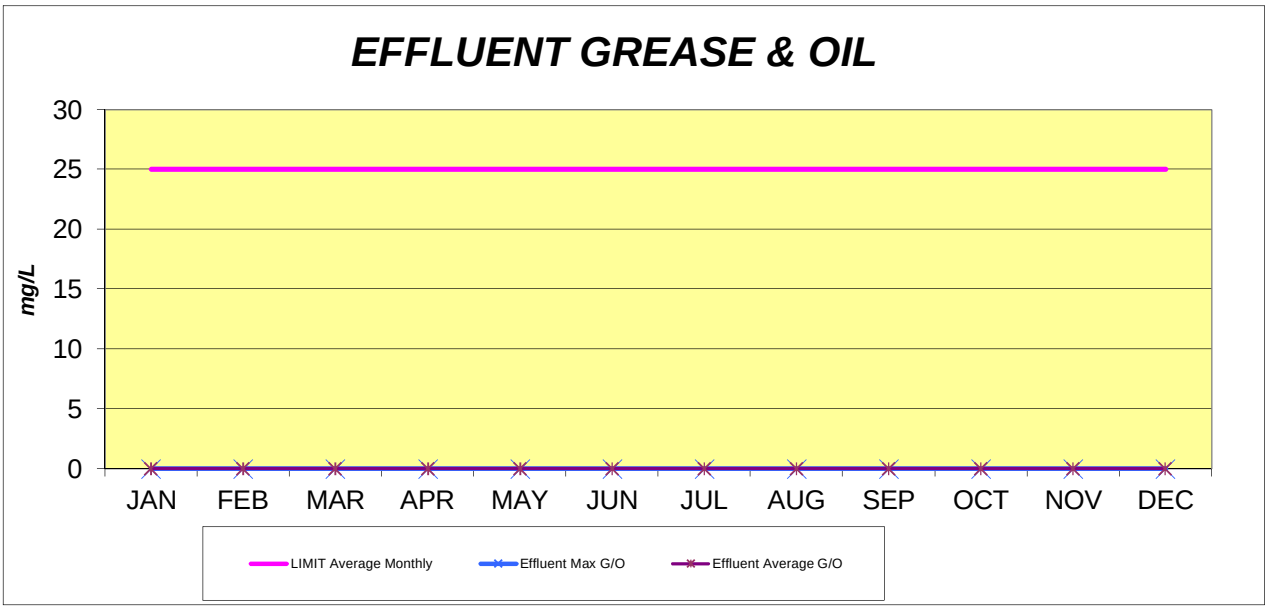

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	25	25	25	25	25	25	25	25	25	25	25	25
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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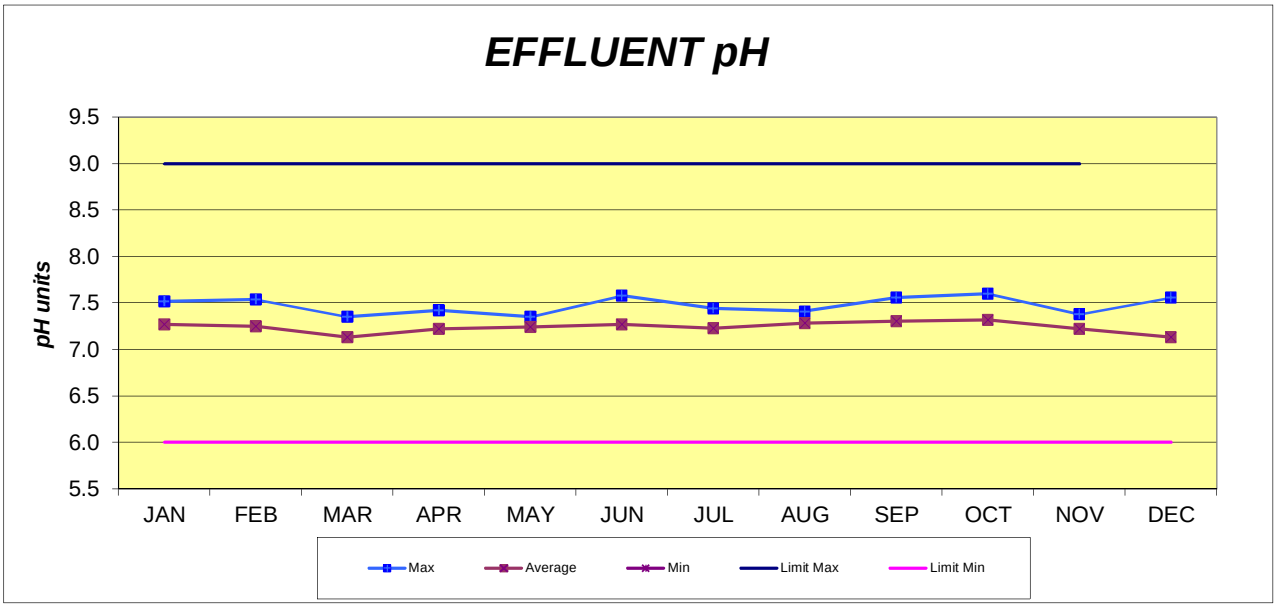

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	9	9	9	9	9	9	9	9	9	9	9	9
Limit Min	6	6	6	6	6	6	6	6	6	6	6	6
Max	7.5	7.5	7.4	7.4	7.4	7.6	7.4	7.4	7.6	7.6	7.4	7.6
Average	7.3	7.3	7.1	7.2	7.2	7.3	7.2	7.3	7.3	7.3	7.2	7.1
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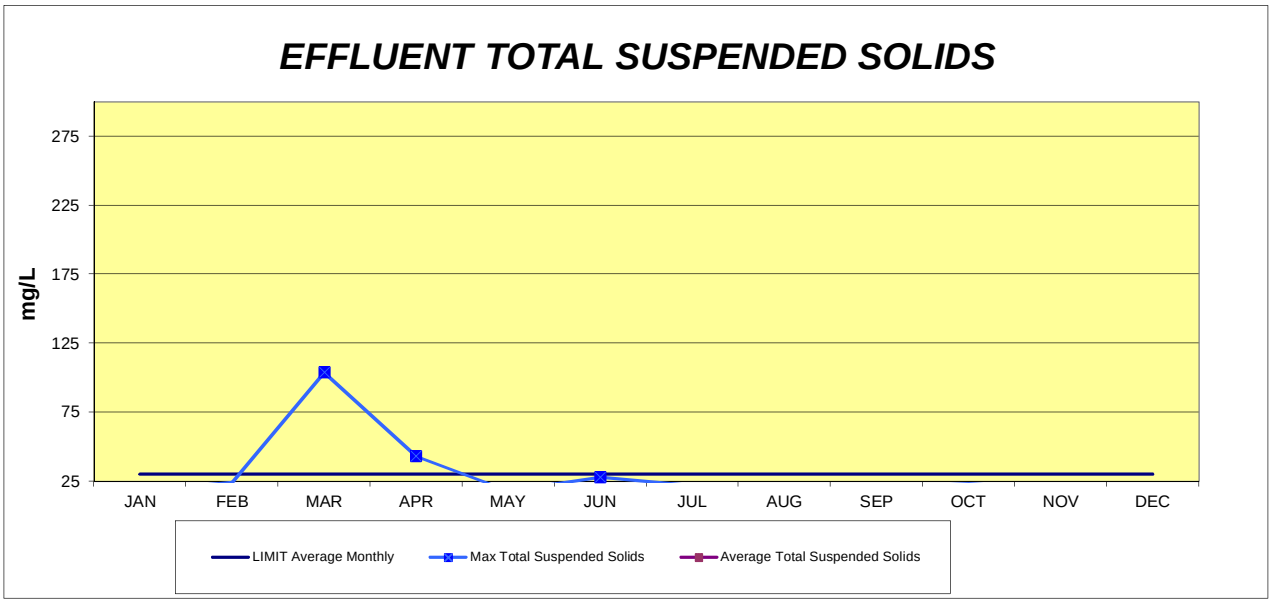

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	30	30	30	30	30	30	30	30	30	30	30	30
Max	18	24	104	43	18	28	22	17	20	23	19	15
Average	12	14	19	20	13	13	13	12	12	14	13	12

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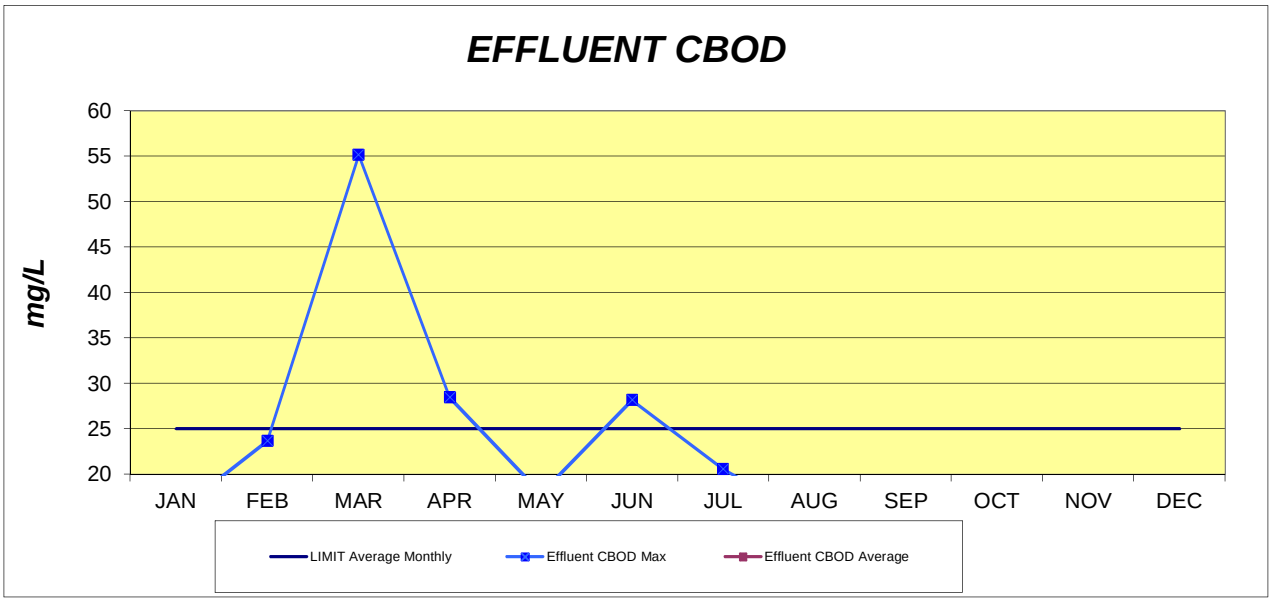

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	25	25	25	25	25	25	25	25	25	25	25	25
Max	16	24	55	29	18	28	21	15	17	19	16	13
Average	12	14	16	18	13	14	13	11	12	12	11	10

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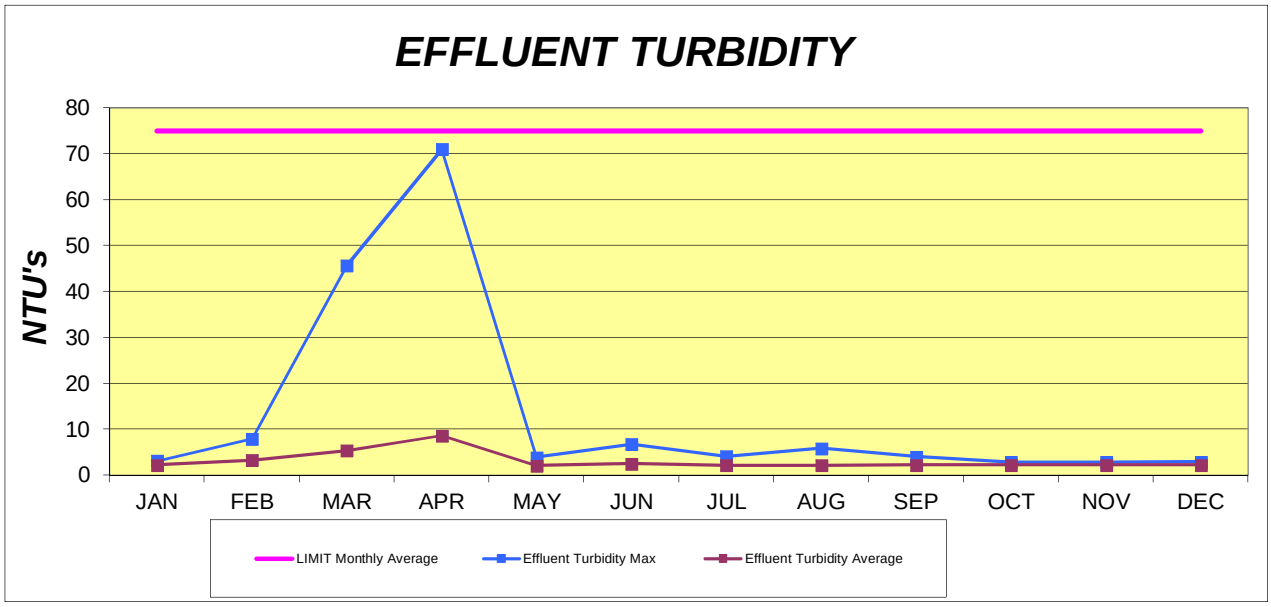

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	75	75	75	75	75	75	75	75	75	75	75	75
Max	3.1	7.9	45.7	71.0	3.9	6.7	4.1	5.8	4.0	2.8	2.8	2.9
Average	2.2	3.3	5.4	8.6	2.1	2.5	2.2	2.1	2.2	2.2	2.2	2.2

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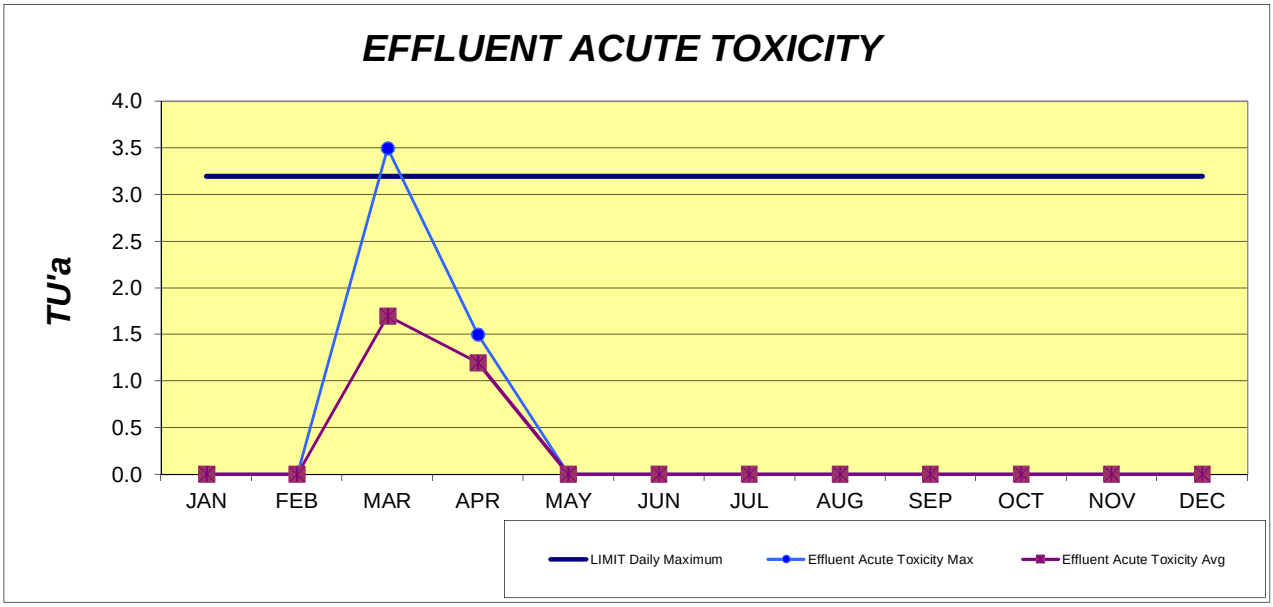

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Max	0.0	0.0	3.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	0.0	0.0	1.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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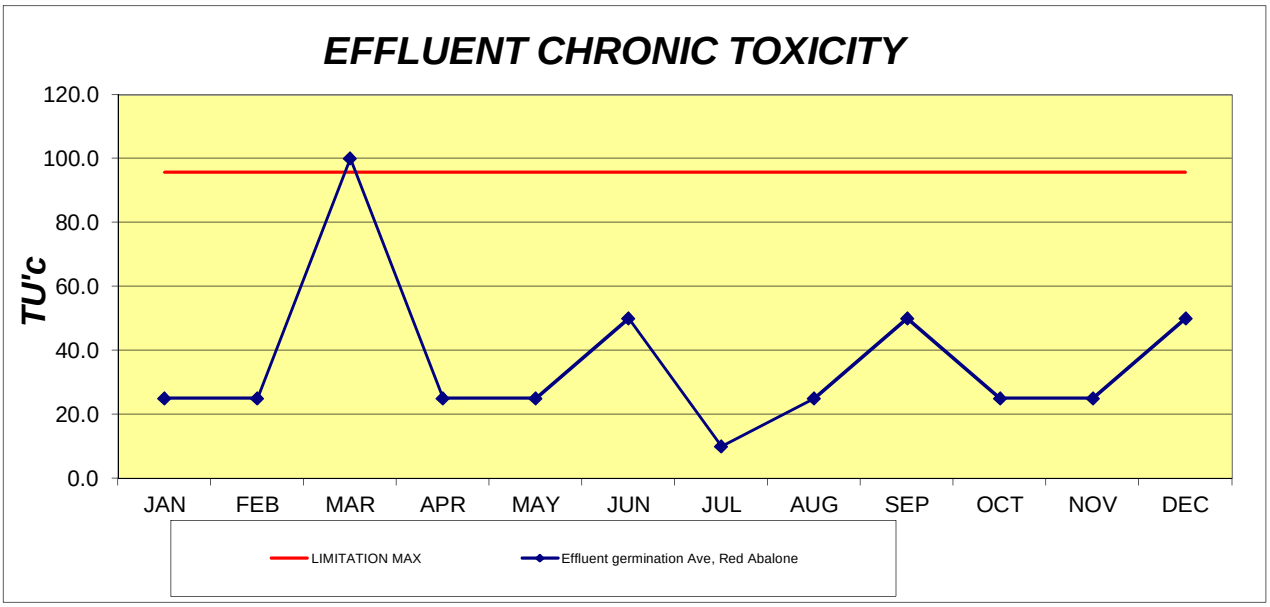

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
Red Abalone, Germ.	25.0	25.0	100.0	25.0	25.0	50.0	10.0	25.0	50.0	25.0	25.0	50.0

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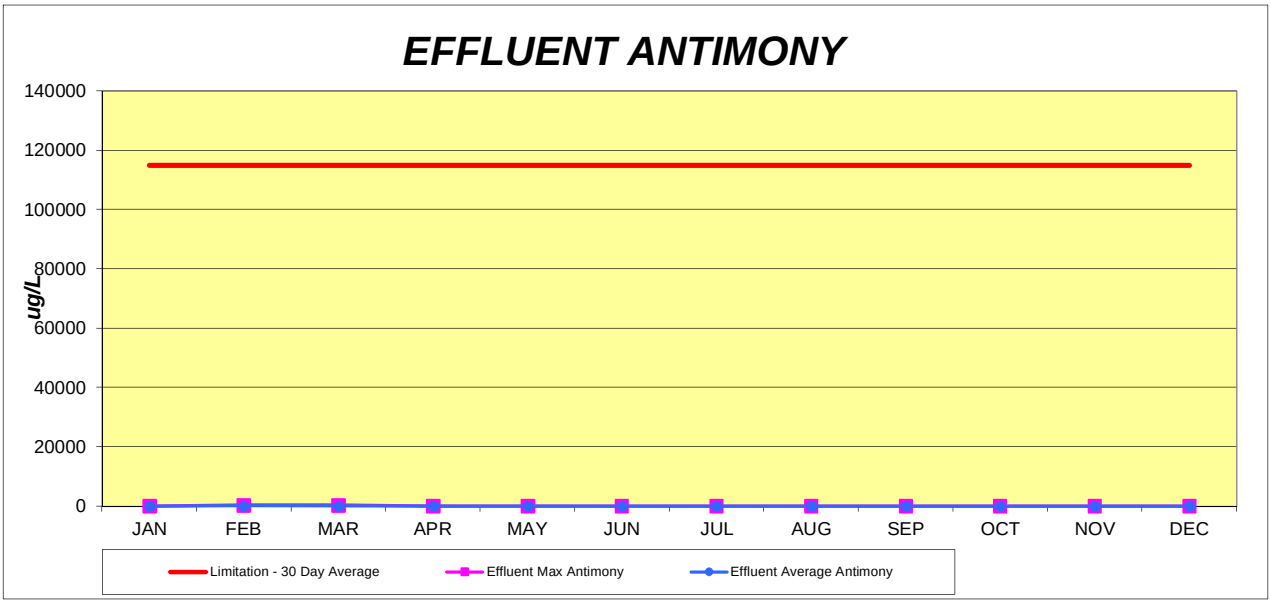

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000
Max	0.0000	327.0000	338.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	177.2500	180.4800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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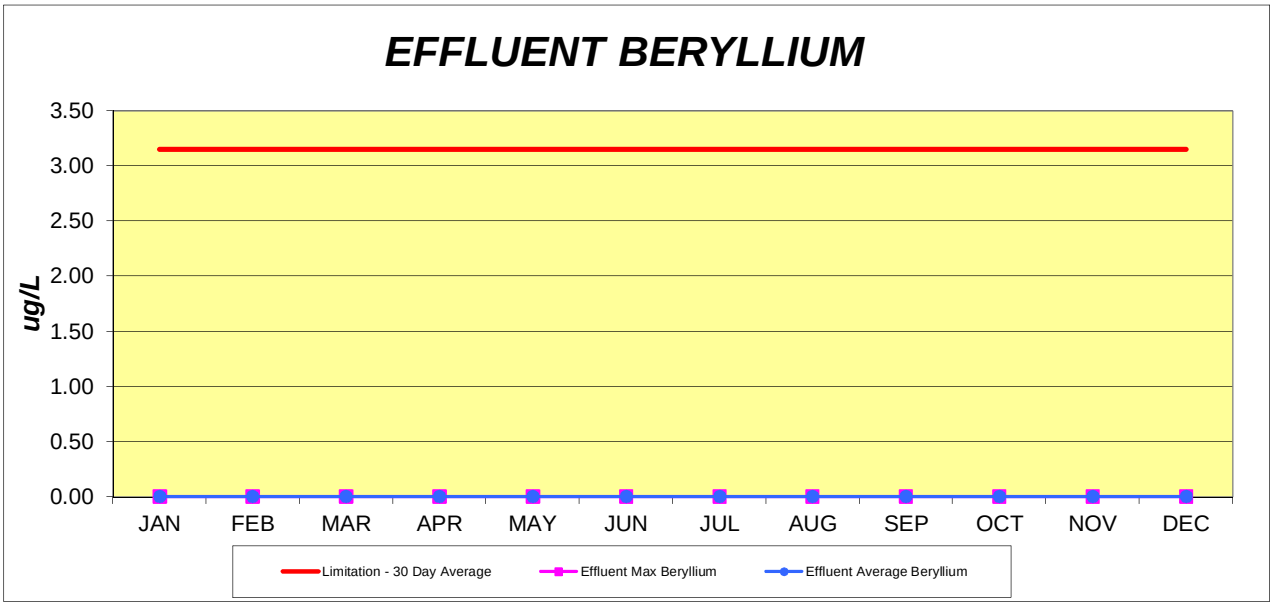

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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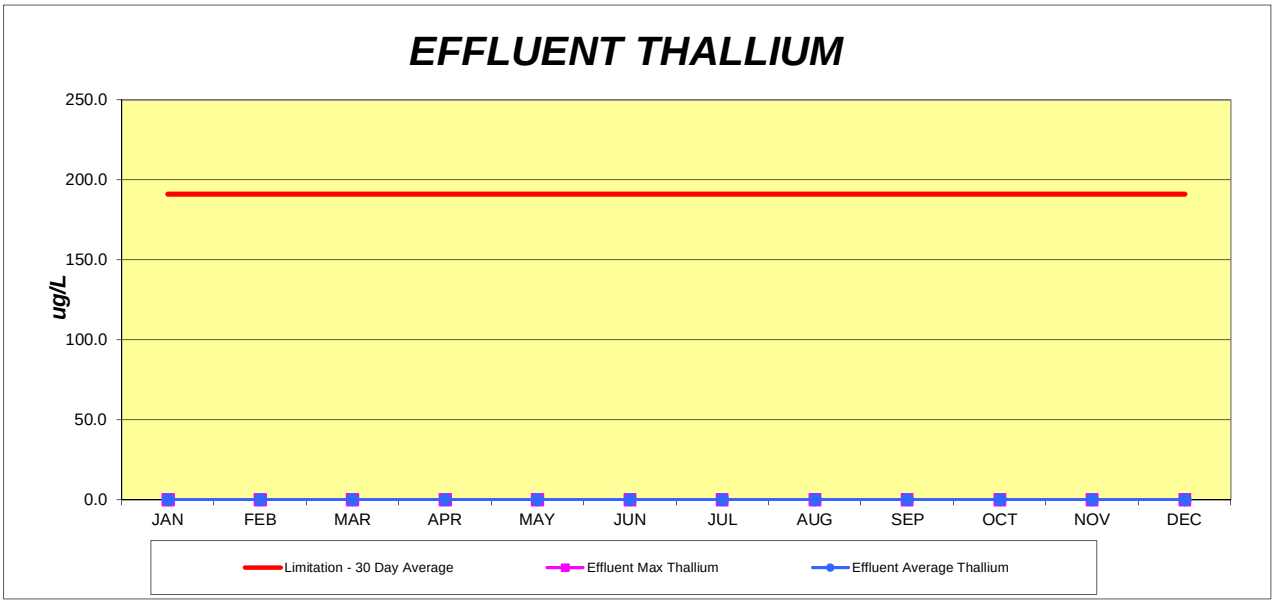

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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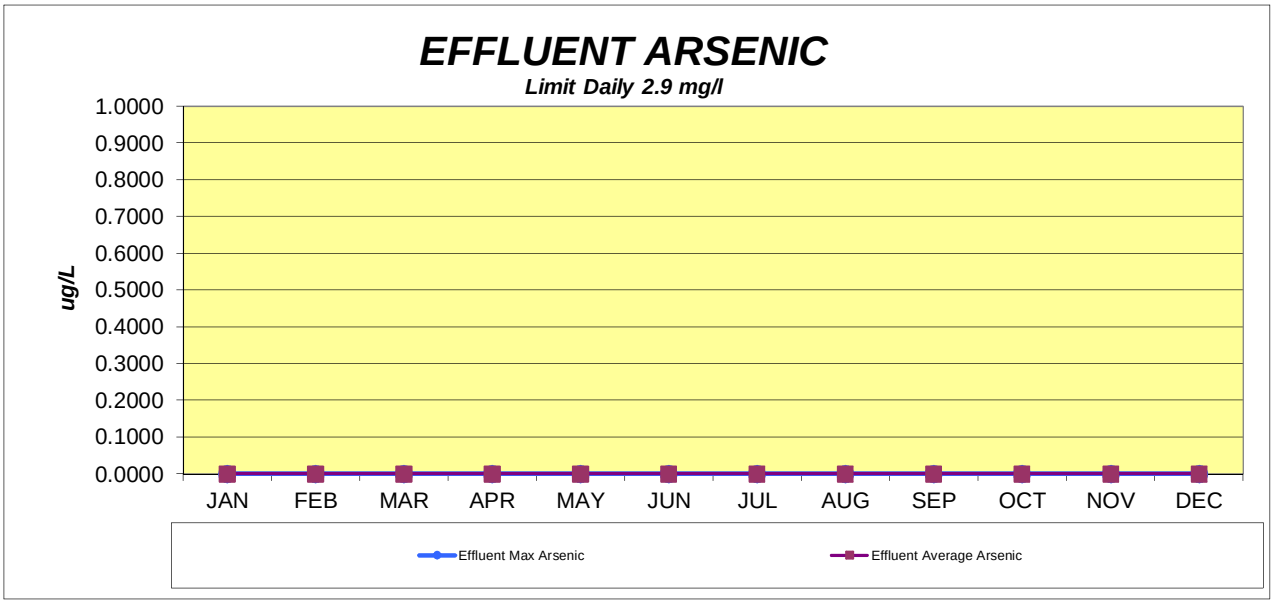

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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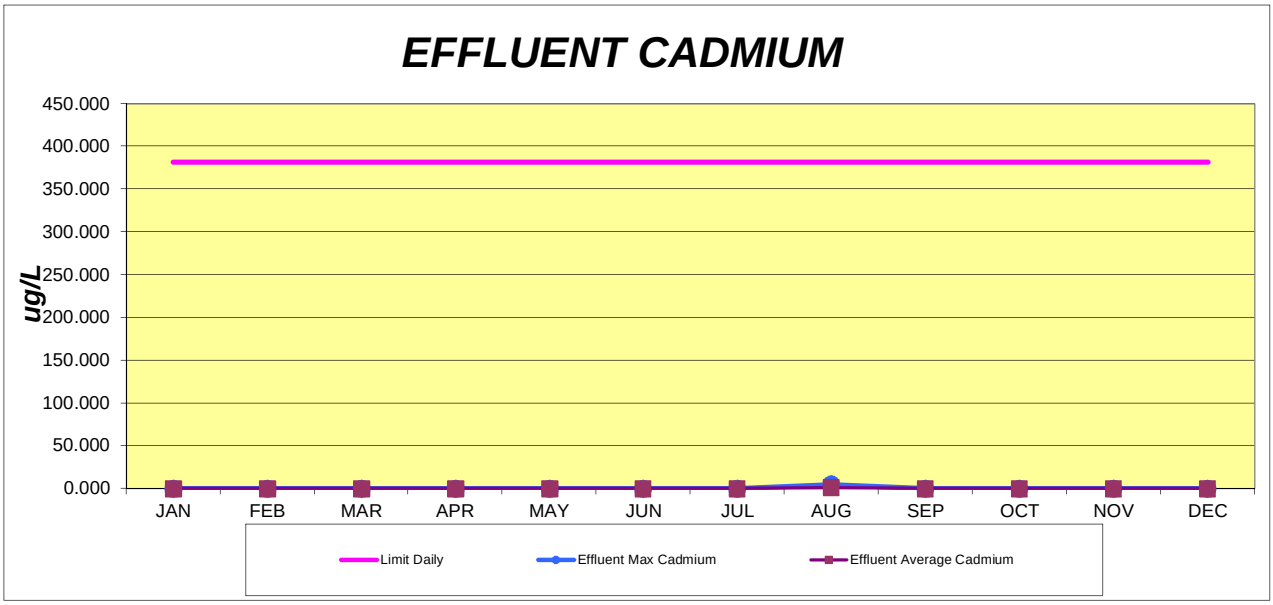

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.900	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.220	0.000	0.000	0.000	0.000

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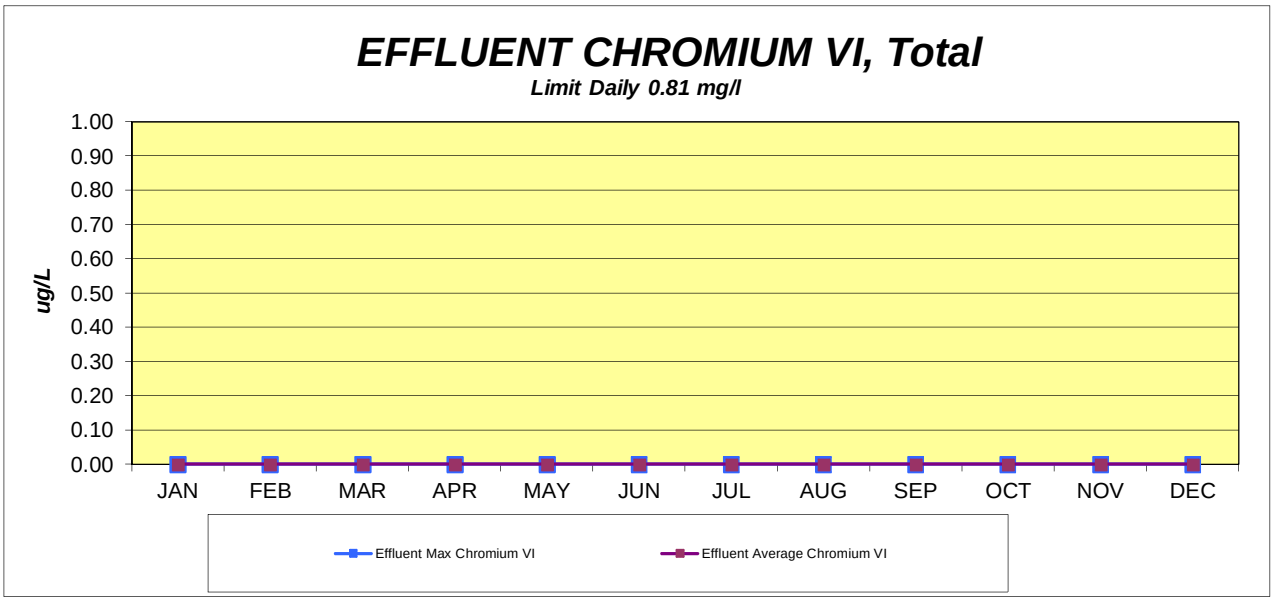

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000

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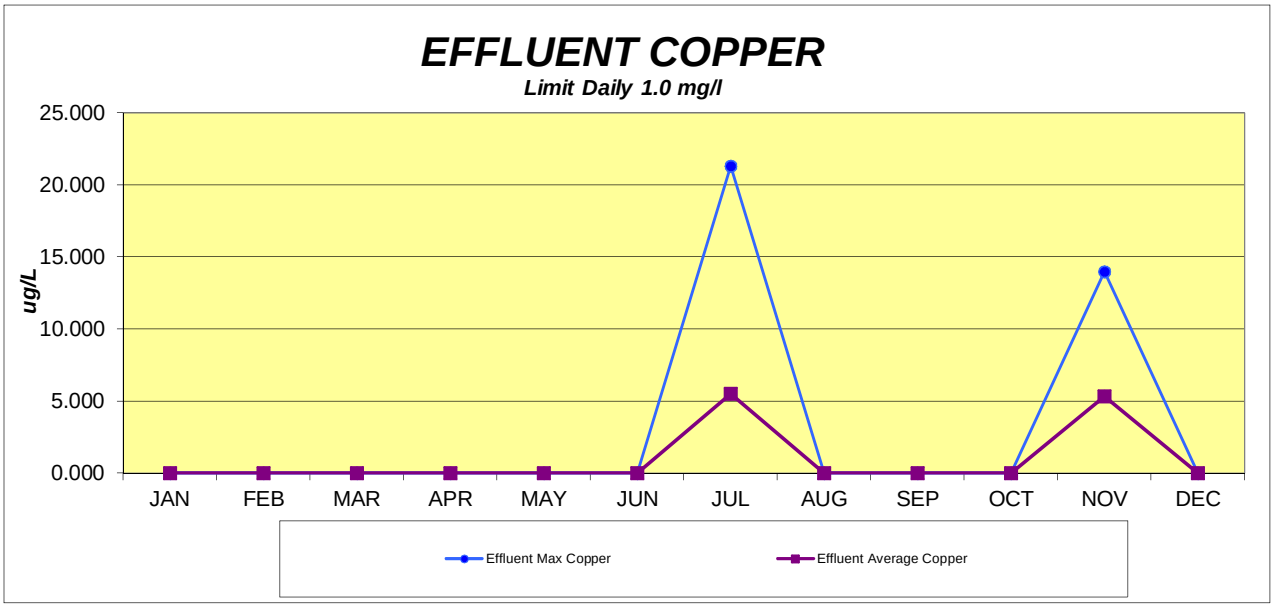

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0
Max	0.000	0.000	0.000	0.000	0.000	0.000	21.300	0.000	0.000	0.000	14.000	0.000
Average	0.00	0.00	0.00	0.00	0.00	0.00	5.51	0.00	0.00	0.00	5.34	0.00

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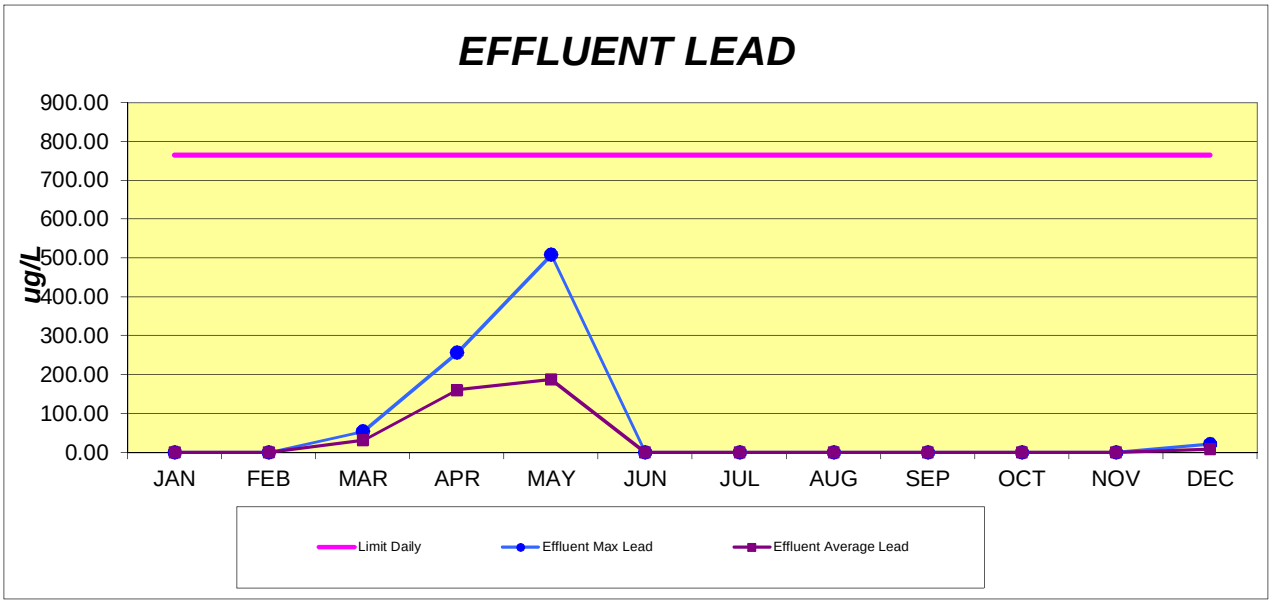

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00
Max	0.000	0.000	54.500	257.000	509.000	0.000	0.000	0.000	0.000	0.000	0.000	21.000
Average	0.000	0.000	30.740	160.000	187.000	0.000	0.000	0.000	0.000	0.000	0.000	7.080

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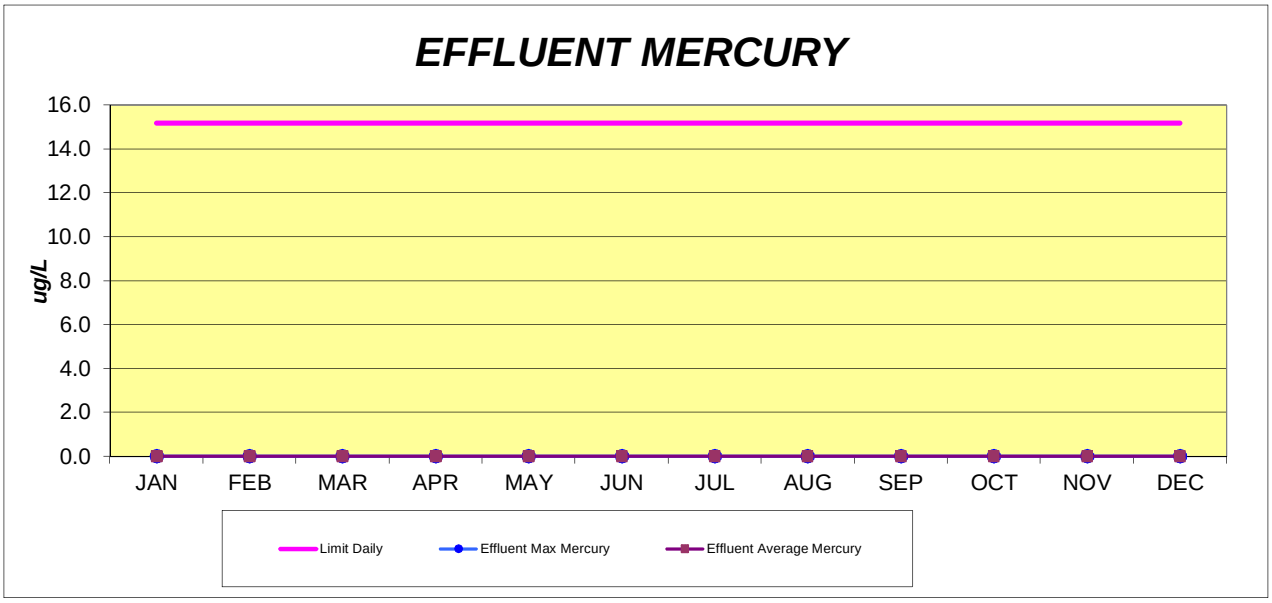

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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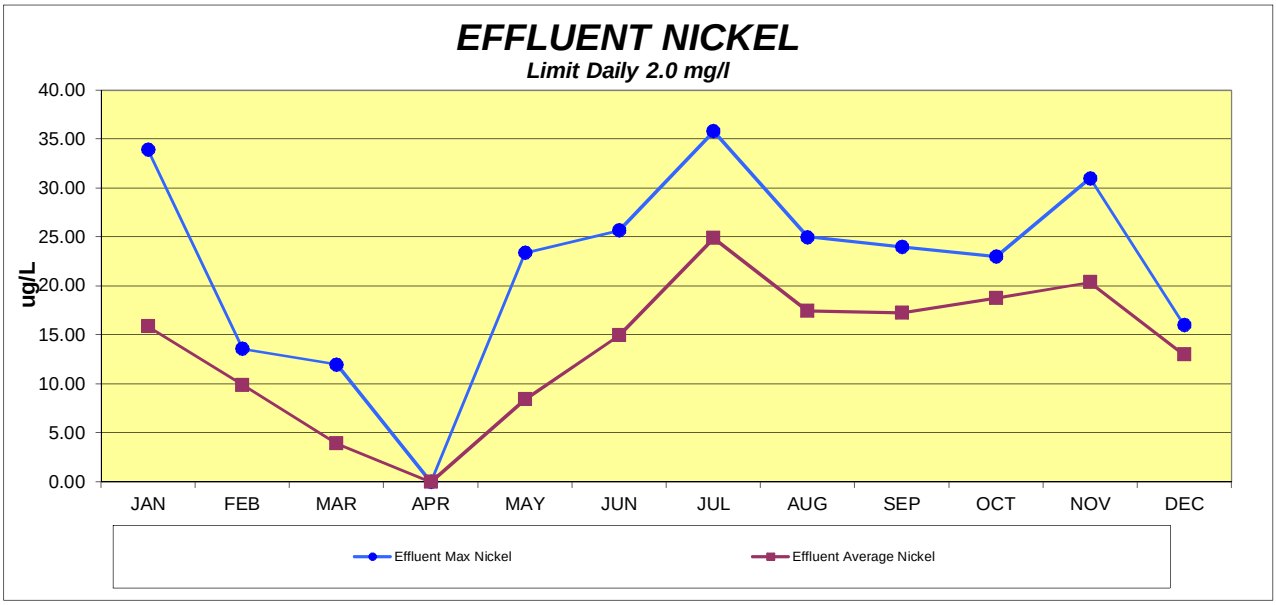

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0
Max	33.90	13.60	12.00	0.00	23.40	25.70	35.80	25.00	24.00	23.00	31.00	16.00
Average	15.88	9.90	3.92	0.00	8.42	14.98	24.88	17.44	17.25	18.75	20.38	13.00

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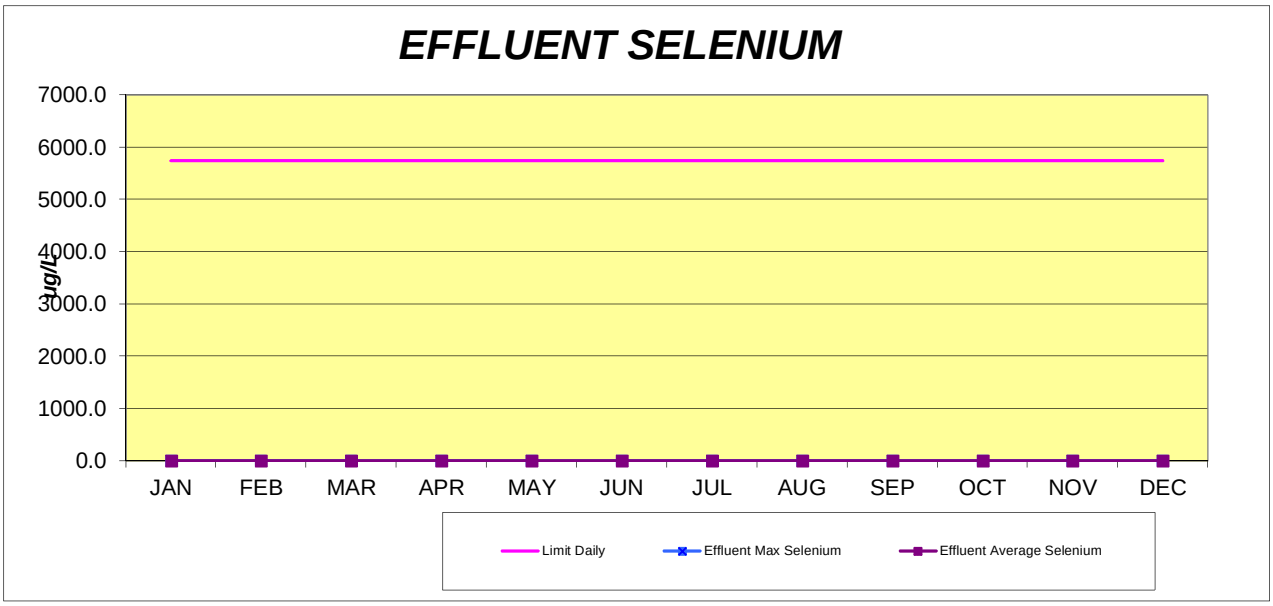

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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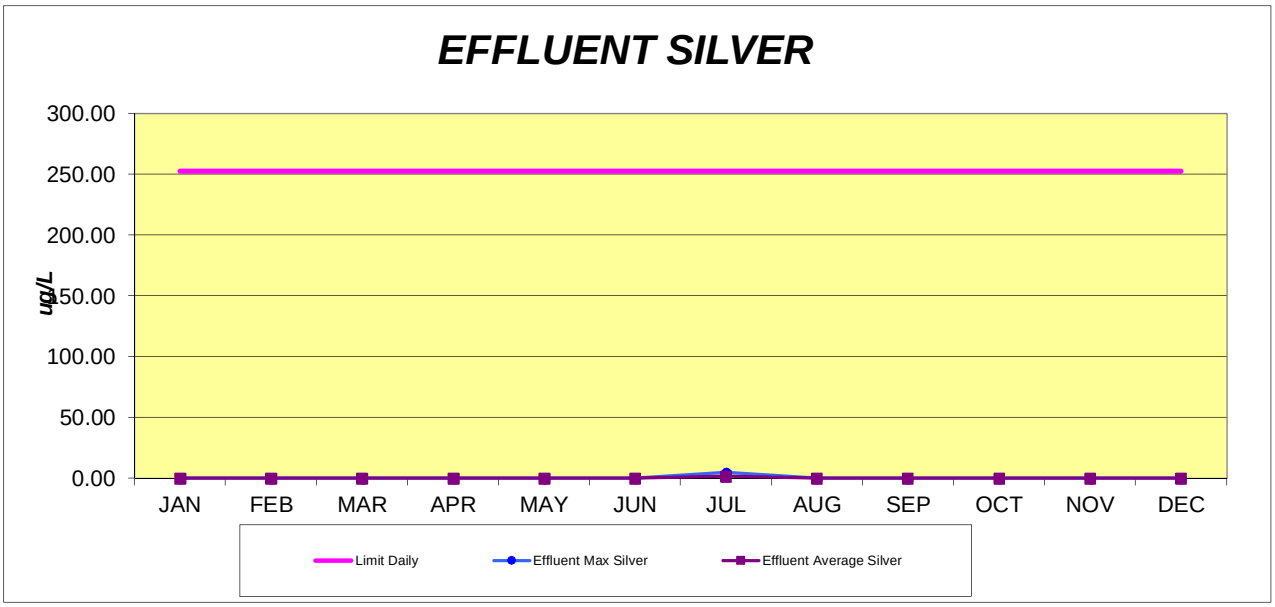

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00
Max	0.000	0.000	0.000	0.000	0.000	0.000	4.800	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	1.725	0.000	0.000	0.000	0.000	0.000

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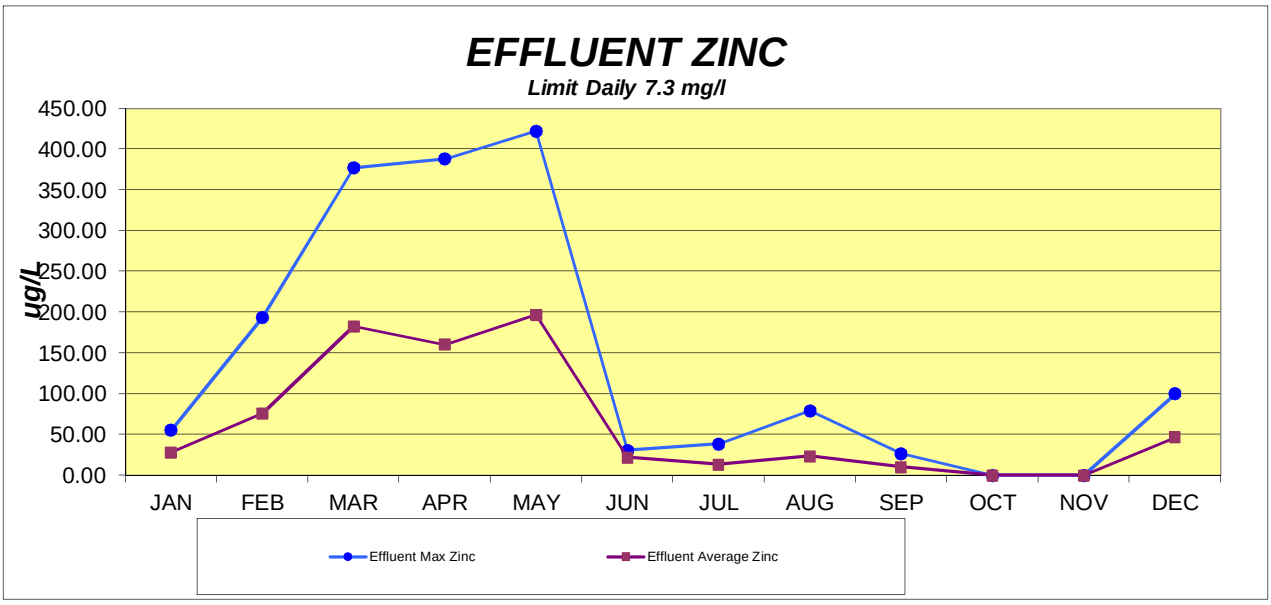

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0
Max	55.40	194.00	377.00	388.00	422.00	30.90	38.70	79.00	27.00	0.00	0.00	100.00
Average	28.48	76.05	183.04	160.48	196.72	22.03	13.28	23.74	10.35	0.00	0.00	46.76

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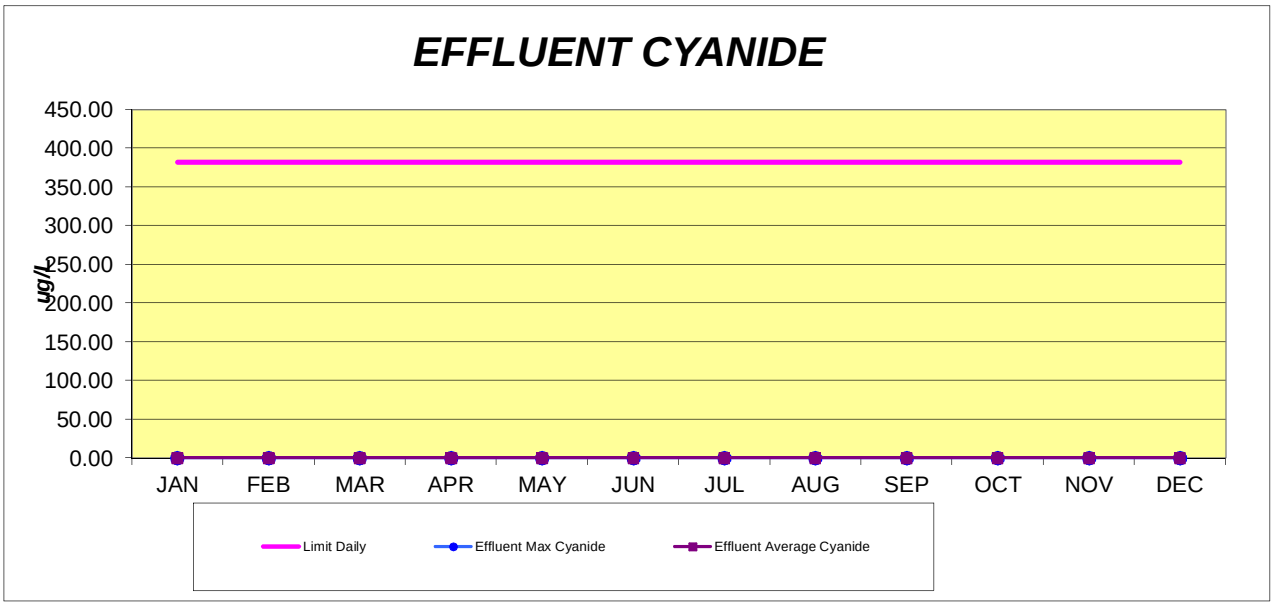

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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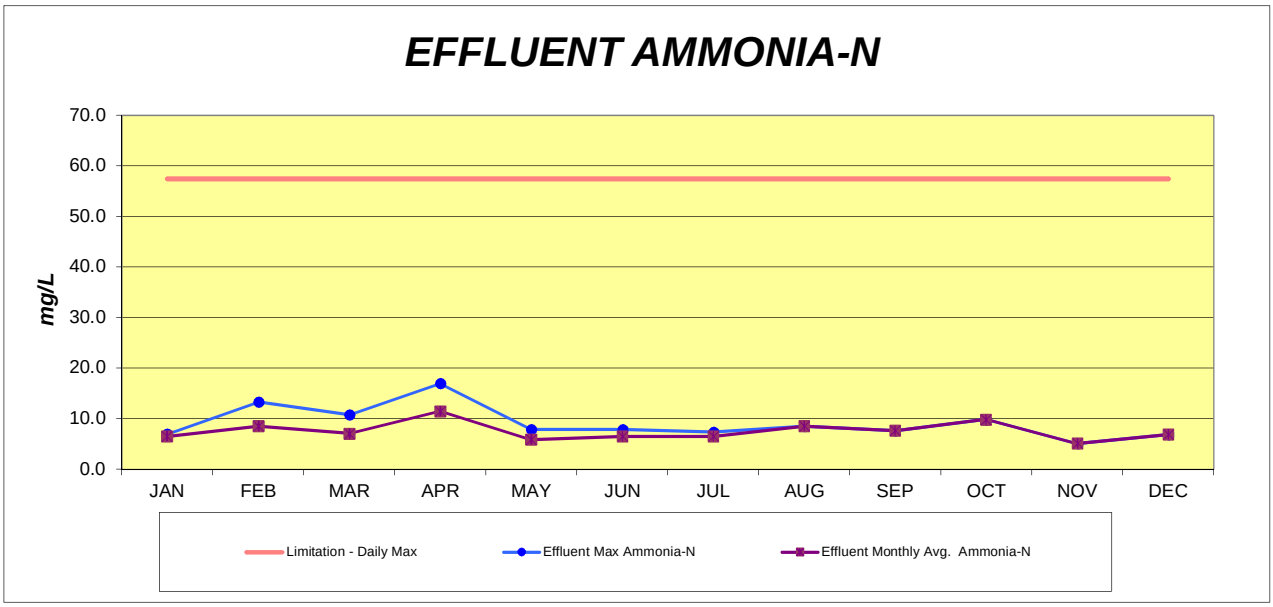

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Daily Max	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
Max	7.0	13.3	10.7	17.0	7.8	7.8	7.3	8.5	7.6	9.8	5.0	6.8
Monthly Avg.	6.5	8.5	7.0	11.5	5.9	6.5	6.4	8.5	7.6	9.8	5.0	6.8

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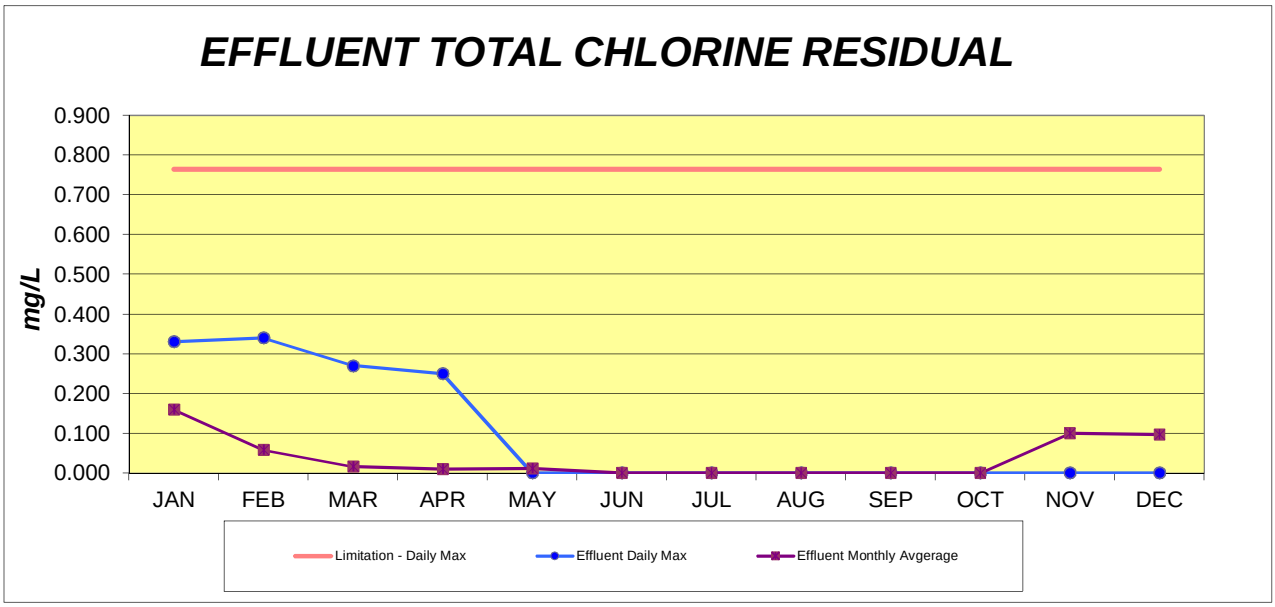

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Daily Max	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
Daily Max	0.330	0.340	0.270	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Monthly Avg.	0.16	0.06	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.10

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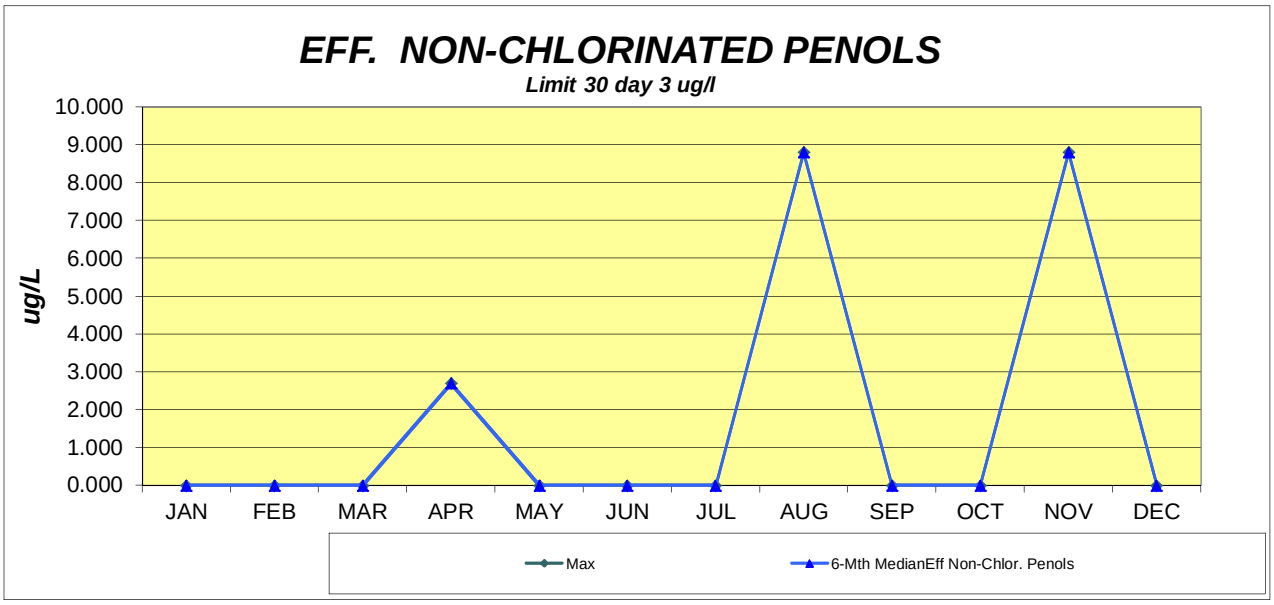

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500
Max	0.000	0.000	0.000	2.700	0.000	0.000	0.000	8.800	0.000	0.000	8.800	0.000
6- Mth Median	0.000	0.000	0.000	2.700	0.000	0.000	0.000	8.800	0.000	0.000	8.800	0.000

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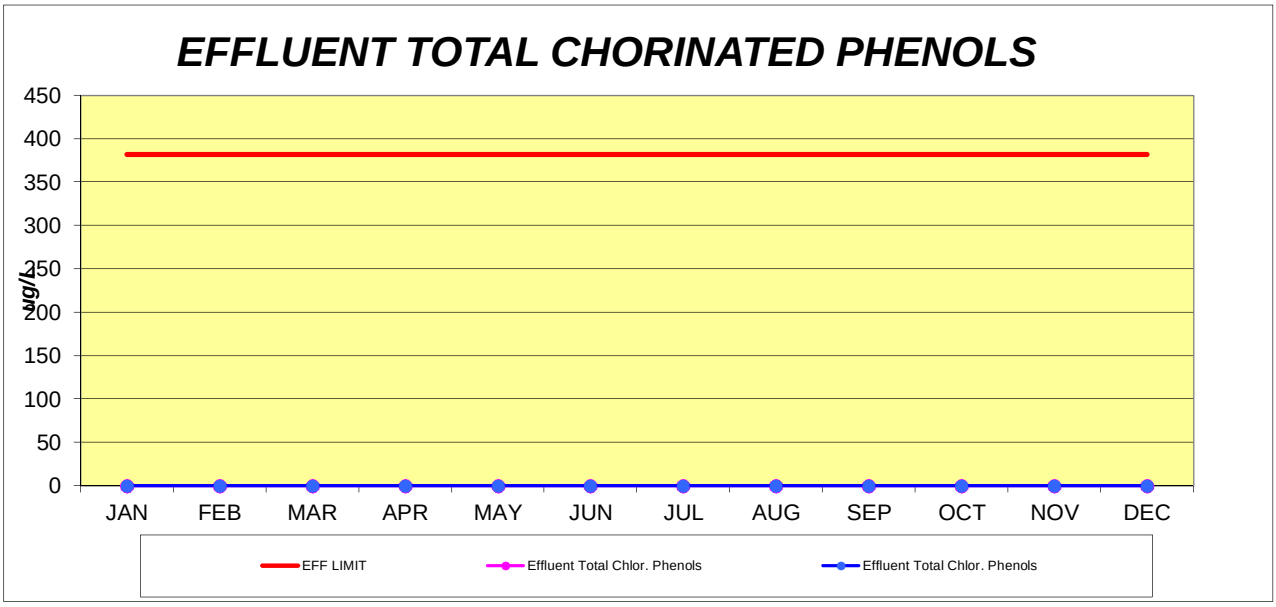

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Daily Max	382	382	382	382	382	382	382	382	382	382	382	382
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Monthly Avg.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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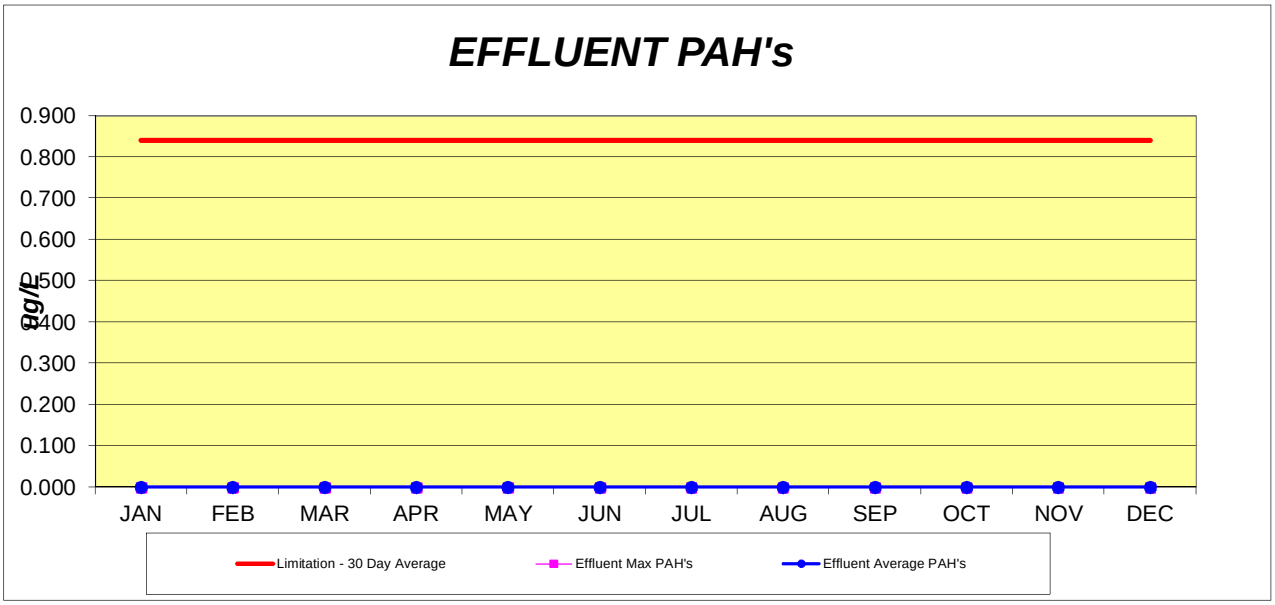

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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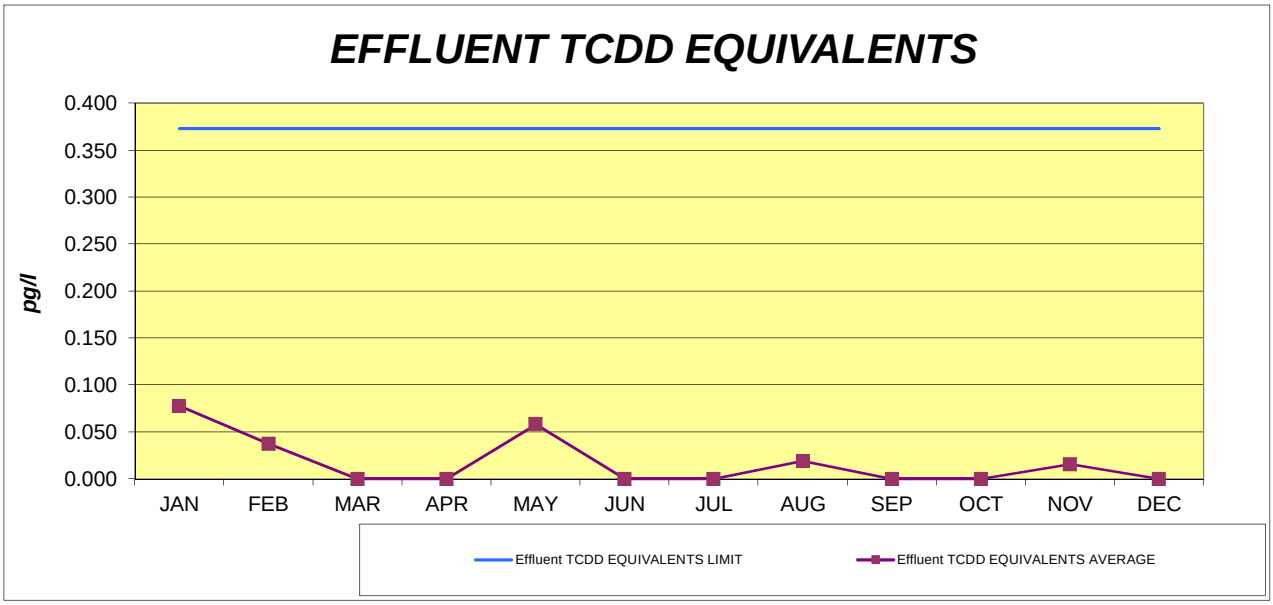

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373
Average	0.078	0.038	0.000	0.000	0.058	0.000	0.000	0.019	0.000	0.000	0.015	0.000

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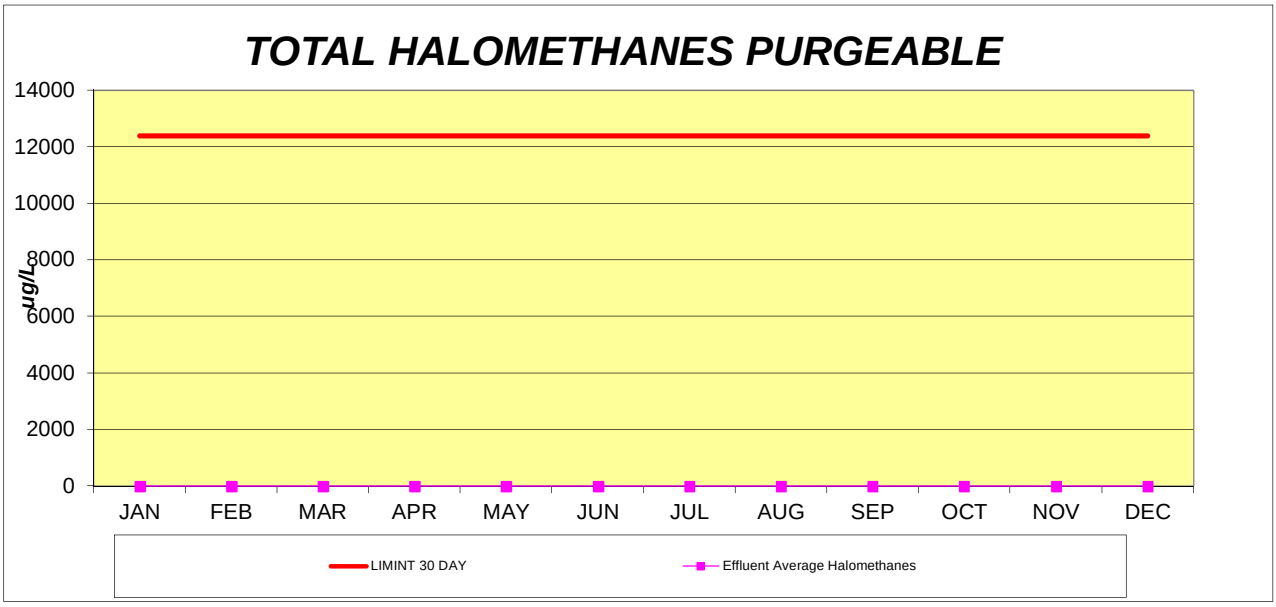

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
LIMINT 30 DAY	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
Effluent Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000