INTERNATIONAL BOUNDARY AND WATER COMMISSION
UNITED STATES AND MEXICO

UNITED STATES SECTION

SOUTH BAY INTERNATIONAL WASTEWATER TREATMENT PLANT

Prepared by: VEOLIA WATER

2015 ANNUAL NPDES REPORT

South Bay International Wastewater Treatment Plant

2015

Annual Monitoring Report

NPDES Permit CA 0108928

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

June 30, 2016

Prepared By

Rich Perna

Plant Superintendent
Veolia Water North America – West LLC

June 30, 2016

Plant Removal Efficiencies

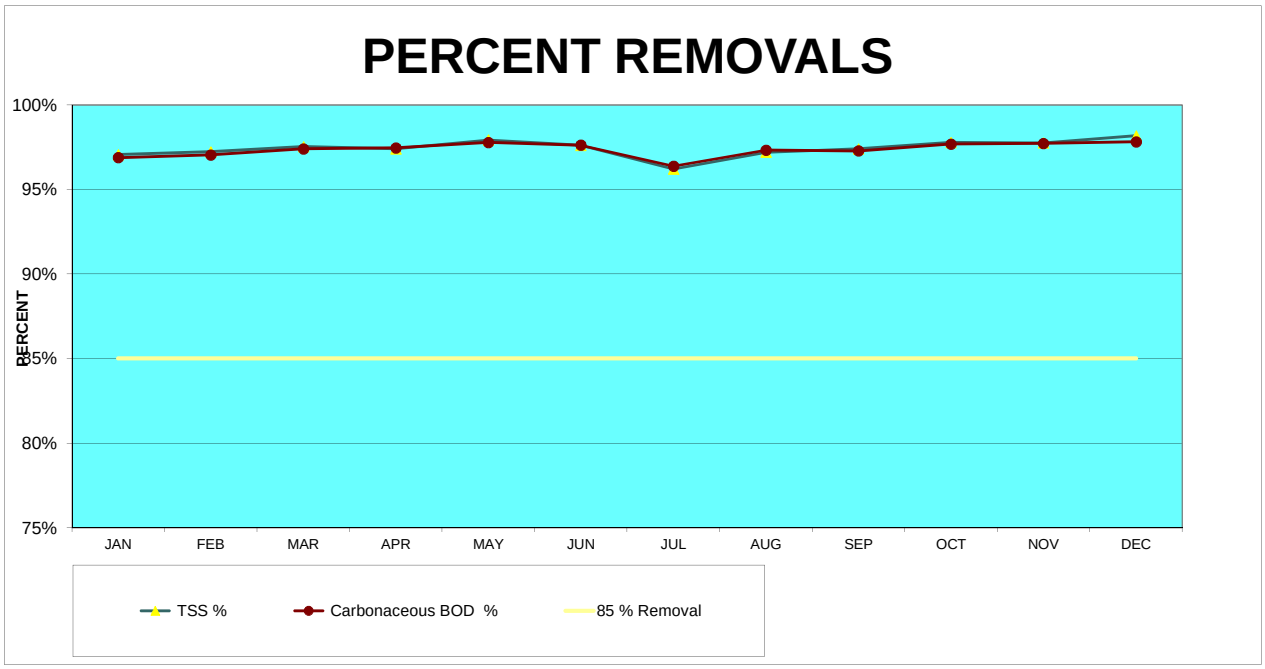
2015 PLANT PROCESS REMOVAL EFFICIENCIES

SOUTH BAY INTERNATIONAL WTP

ADVANCED PRIMARY CLARIFICATION

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVERAGE %
TSS	%	97%	97%	98%	97%	98%	98%	96%	97%	97%	98%	98%	98%	**97%**
Carbonaceous BOD	%	97%	97%	97%	97%	98%	98%	96%	97%	97%	98%	98%	98%	**97%**

2015 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

2015 INFLUENT TABS

	Units	Limitations	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
			Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
INFLUENT NPDES															
Influent flow	mgd		28.45	28.30	28.93	29.03	29.55	29.38	28.94	29.15	28.78	28.28	29.10	29.49	28.95
GRAB SAMPLES / OIL & GREASE															
Settleable Solids	ml/L		6.13	7.90	7.70	6.88	5.08	8.58	8.95	6.90	6.08	6.48	7.20	7.08	7.08
weekly (7 day) average	ml/L		5.66	7.66	7.56	7.23	5.28	7.84	9.73	6.98	6.28	6.35	7.17	7.12	7.07
pH	SU		7.30	7.34	7.28	7.38	7.38	7.24	7.37	7.36	7.33	7.28	7.32	7.49	7.34
Oil/grease	mg/L		24.18	24.00	18.88	19.85	19.70	17.64	22.20	20.66	20.08	18.23	19.94	18.50	20.32
weekly (7 day) average	mg/L		23.72	23.81	18.35	20.34	19.88	17.61	21.02	21.30	20.34	18.17	19.67	18.82	20.25
Temperature	c		17.47	18.74	19.37	20.11	20.90	22.08	24.24	25.00	26.43	25.22	20.84	18.59	21.58
COMPOSITE ANALYSES															
Total Suspended Solids	mg/L		420.26	425.68	424.23	404.93	414.84	384.87	398.42	358.45	405.20	416.81	463.60	529.16	421
weekly (7 day) average	mg/L		411.19	425.99	425.60	408.85	412.60	386.96	399.87	358.19	379.91	433.05	458.30	531.91	419
Volatile Suspended Solids	mg/L		289.42	305.54	310.26	299.97	303.61	289.97	297.71	271.87	283.30	307.10	333.60	330.74	302
BOD	mg/L		403.74	403.50	419.52	415.50	416.10	391.40	407.48	371.42	386.53	406.68	429.73	438.97	408
Soluble BOD	mg/L														
Carbonaceous BOD (CBOD)	mg/L		341.35	344.07	356.84	360.20	356.71	336.57	348.00	318.94	328.70	348.10	366.70	363.84	348
weekly (7 day) average	mg/L		337.57	342.55	355.59	363.14	354.91	338.43	348.99	319.10	325.28	350.41	360.83	364.48	347
Floatables	mg/L		6.18	8.13	7.82	7.03	5.18	8.74	9.08	7.00	6.18	6.58	7.16	7.25	7.19
Total Dissolved Solids	mg/L		1,652.50	1,700.00	1,586.00	1,575.00	1,542.50	1,566.00	1,455.00	1,590.00	1,655.00	1,565.00	1,648.00	1,587.50	1594
Turbidity	NTU		186.00	244.25	266.60	271.50	216.25	194.40	225.75	201.40	199.25	200.00	209.20	210.25	219
weekly (7 day) average	NTU		191.32	243.46	265.65	273.75	219.52	191.97	217.61	207.52	200.37	200.74	191.90	226.58	219
Ammonia-N	mg/L		52.30	52.30	40.70	54.00	52.30	54.00	54.50	50.50	50.10	56.00	45.90	49.50	51.0
COD Chemical Oxygen Demand	mg/L														
T.S. Total Solids	mg/L														
T.V. Volatile Solids	mg/L														

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
METALS AND CYANIDE		6-MTH M	Mthly Avg	MAX													
Antimony	ug/l				0.00			0.00			0.00			0.00			0
	Lbs/day				0.83			1.07			0.93			0.95			0.946141725
Arsenic	ug/l		24		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
	lbs/day		5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Beryllium	ug/l		2.5		0.00			0.00			0.00			0.00			0
	lbs/day		0.520		0.00			0.00			0.00			0.00			0
Cadmium	ug/l		61		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
	lbs/day		13		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Chromium Total	ug/l		1100		0.00	0.00	3.96	2.85	2.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79875
	lbs/day		230		0.00	0.00	0.88	0.57	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.167650784
Chromium III *	ug/l				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Chromium VI	ug/l				18.56	17.50	22.25	16.56	24.31	15.85	18.56	26.25	22.50	31.81	36.00	41.75	24.3245
Copper	ug/l	150			3.77	3.29	4.78	3.46	4.62	3.31	3.67	5.54	4.74	6.43	7.02	8.30	4.912312681
	lbs/day	32			0.7580600	0.6568800	0.9762987	0.7072703	0.9574903	0.6843378	0.7547883	1.1407668	0.9133551	1.2993628	1.4232727	1.7014767	0.9977800
Iron	ug/l																
Lead	ug/l		160		0.00	0.00	0.00	0.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.391666667
	lbs/day		34.000		0.00	0.00	0.00	0.00	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28849589
Mercury	ug/L			5.4	0.00	0.00	0.09	0.00	0.16	0.00	0.00	0.00	0.00	0.33	0.15	0.11	0.070325
	lbs/day			1.1	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.07	0.03	0.02	0.016769485
Nickel	ug/l	440			20.23	12.73	32.80	23.48	23.00	13.34	40.23	32.40	20.25	14.98	17.80	23.50	22.89291667
	lbs/day	93			4.13	2.44	7.17	4.76	4.41	2.91	7.96	6.68	4.35	3.12	3.56	4.66	4.680631304
Selenium	ug/l				0.00	0.00	10.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88
Silver	ug/l	52			0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.00	2.45	1.35	0.00	0.00	0.51875
	lbs/day	11			0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.53	0.29	0.00	0.00	0.11087335
Thallium	ug/l				0.00			2.20			0.00			0.00			0.55
Zinc	ug/l		1100		68.50	50.50	93.20	64.25	101.75	61.60	65.75	69.96	41.95	87.25	101.76	100.25	75.56
	lbs/day		220		13.78	9.63	20.26	13.50	19.83	13.27	12.86	14.82	8.74	17.90	19.51	19.83	15.32689602
Cyanide	ug/l	75			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
	lbs/day	16			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
RADIOACTIVITY																	
Alpha Radiation	pc/L				2.77	3.52	1.33	13.10	8.67	12.00	2.85	6.67	1.42	0.59	1.27	9.05	5.27
Beta Radiation	pc/L				3.73	0.00	3.03	14.60	9.08	9.04	6.04	7.76	0.10	6.13	0.34	0.00	4.99
CHLORINATED PESTICIDES																	
Aldrin	ug/L				0.00			0.00			0.00			0.00			0.00
Dieldrin	ug/L				0.00			0.00			0.00			0.00			0.00
alpha-BHC	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
beta-BHC	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gamma-BHC (Lindane)	ug/L	0.420			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
delta-BHC	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total HCH	ug/L				0.00	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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2015 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
p,p-DDD	ug/L				0.00			0.00			0.00			0.00			0.00
p,p-DDE	ug/L				0.00			0.00			0.00			0.00			0.00
p,p-DDT	ug/L				0.00			0.00			0.00			0.00			0.00
o,p-DDD	ug/L				0.00			0.00			0.00			0.00			0.00
o,p-DDE	ug/L				0.00			0.00			0.00			0.00			0.00
o,p-DDT	ug/L				0.00			0.00			0.00			0.00			0.00
Total DDT	ug/L				0.00			0.00			0.00			0.00			0.00
Heptachlor	ug/L				0.00			0.00			0.00			0.00			0.00
Heptachlor epoxide	ug/L				0.00			0.00			0.00			0.00			0.00
Total Heptachlor	ug/L				0.00			0.00			0.00			0.00			0.00
Alpha (cis) Chlordane	ug/L				0.00			0.00			0.00			0.00			0.00
Gamma (trans) Chlordane	ug/L				0.00			0.00			0.00			0.00			0.00
Oxychlordane	ug/L				0.00			0.00			0.00			0.00			0.00
trans Nonachlor	ug/L				0.00			0.00			0.00			0.00			0.00
cis Nonachlor	ug/L				0.00			0.00			0.00			0.00			0.00
Total Chlordane	ug/L				0.00			0.00			0.00			0.00			0.00
Alpha Endosulfan	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beta Endosulfan	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Endosulfan Sulfate	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Endosulfan	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0.00
Endrin	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Endrin aldehyde	ug/L																
Mirex	ug/L																
Methoxychlor	ug/L																
Toxaphene	ug/L				0			0			0			0			0
PCB 1016	ug/L				0			0			0			0			0
PCB 1221	ug/L				0			0			0			0			0
PCB 1232	ug/L				0			0			0			0			0
PCB 1242	ug/L				0			0			0			0			0
PCB 1248	ug/L				0			0			0			0			0
PCB 1254	ug/L				0			0			0			0			0
PCB 1260	ug/L				0			0			0			0			0
Total PCB's	ug/L				0			0			0			0			0

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	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
BENZIDINE (EPA 605)																	
benzidine	ug/L				0			0			0			0			0
3,3-dichlorobenzidine	ug/L				0			0			0			0			0
TRIBUTYL TIN ANALYSIS																	
tributyl tin	ug/L				0			0			0			0			0
dibutyl tin	ug/L																
monobutyl tin	ug/L																
BASE/NEUTRAL COMPOUNDS (EPA 625)																	
bis(2-chloroethly) ether	ug/L				0			0			0			0			0
metadichlorobenzene	ug/l				0			0			0			0			0
orthodichlorobenzene	ug/l				0			0			0			0			0
paradichlorobenzene (1,4-dichlorobenzene)	ug/l				0			0			0			0			0
bis-(2-chloroisopropyl) ether	ug/l				0			0			0			0			0
N-nitrosodi-n-propylamine	ug/L				0			0			0			0			0
nitrobenzene	ug/L				0			0			0			0			0
hexachloroethane	ug/L				0			0			0			0			0
isophorone	ug/l				0			0			0			0			0
bis(2-chloroethoxy)methane	ug/l				0			0			0			0			0
1,2,4-trichlorobenzene	ug/L				0			0			0			0			0
naphthalene	ug/L				0			0			0			0			0
hexachlorobutadiene	ug/l				0			0			0			0			0
hexachlorocyclopentadiene	ug/l				0			0			0			0			0
acenaphthylene (pah)	ug/L				0			0			0			0			0
dimethyl phthalate	ug/l				0			0			0			0			0
2,6-dinitrotoluene	ug/L				0			0			0			0			0
acenaphthene	ug/L				0			0			0			0			0
2,4-dinitrotoluene	ug/L				0			0			0			0			0
fluorene (pah)	ug/L				0			0			0			0			0
4-chlorophenyl phenyl ether	ug/L				0			0			0			0			0
diethyl phthalate	ug/l				0			0			0			0			0
N-nitrosodiphenylamine	ug/L				0			0			0			0			0
4-bromophenyl phenyl ether	ug/L				0			0			0			0			0
hexachlorobenzene	ug/L				0			0			0			0			0
phenanthrene (pah)	ug/L				0			0			0			0			0
anthracene (pah)	ug/L				0			0			0			0			0

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					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
di-n-butyl phthalate	ug/l				0			0			0			0			0
N-nitrosodimethylamine	ug/l				0			0			0			0			0
fluoranthene	ug/l				0			0			0			0			0
pyrene (pah)	ug/L				0			0			0			0			0
butyl benzyl phthalate	ug/L				0			0			0			0			0
chrysene (pah)	ug/L				0			0			0			0			0
benzo(A)anthracene	ug/L				0			0			0			0			0
bis-(2-ethylhexyl) phthalate	ug/L				40.00			0.00			0.00			29.00			17.25
di-n-octyl phthalate	ug/L				0			0			0			0			0
benzo(K)fluoranthene (pah)	ug/L				0			0			0			0			0
3,4-benzo(B)fluoranthene (pah)	ug/L				0			0			0			0			0
benzo(A)pyrene (pah)	ug/L				0			0			0			0			0
indeno(1,2,3-CD)pyrene (pah)	ug/L				0			0			0			0			0
dibenzo(A,H)anthracene	ug/L				0			0			0			0			0
benzo(G,H,I)perylene (pah)	ug/L				0			0			0			0			0
1,2-diphenylhydrazine	ug/L				0			0			0			0			0
Total Polynuclear aromatic hydrocarl	ug/L				40.00			0.00			0.00			29.00			17.25

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				15.00	18.00	8.30	15.00	8.30	15.00	13.00	8.30	18.00	14.00	12.00	8.10	12.75
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				15.000	18.000	8.300	15.000	8.300	15.000	13.000	8.300	18.000	14.000	12.000	8.100	12.75

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

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

	Units	Limitations	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
			Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
chloromethane (hal)	ug/l				0			0			0			0			0
bromomethane (hal)	ug/l				0			0			0			0			0
vinyl chloride (hal)	ug/l				0			0			0			0			0
chloroethane	ug/L				0			0			0			0			0
1,1-dichloroethene (1,1-dichloroethylene)	ug/l				0			0			0			0			0
trichlorofluoromethane	ug/L				0			0			0			0			0
methlyene chloride (dichloromethane)	ug/l				0			0			0			0			0
1,1-dichloroethane	ug/L				0			0			0			0			0
trans-1,2-dichloroethene	ug/L				0			0			0			0			0
chloroform	ug/l				4.00			0.00			0.00			1.80			1.45
1,2-dichloroethane	ug/l				0			0			0			0			0
1,1,1-trichloroethane	ug/l				0			0			0			0			0
carbon tetrachloride	ug/L				0			0			0			0			0
DCBM-bromodichloromethane (hal)	ug/l				3.5			0			3.5			0			1.75
1,2-dichloropropane	ug/L				0			0			0			0			0
trans-1,3-dichloropropene	ug/l				0			0			0			0			0
trichloroethene (trichloroethlyene)	ug/l				0			0			0			0			0.00
benzene	ug/l				0			0			0			0			0
dibromochloromethane (hal)	ug/L				1.9			0			0			0			0.48
1,1,2-trichloroethane	ug/l				0			0			0			0			0
cis-1,3-dichloropropene	ug/L				0			0			0			0			0
2-chloroethylvinyl ether	ug/L				0			0			0			0			0
bromoform (hal)	ug/l				0			0			0			0			0
1,1,2,2-tetrachloroethane	ug/l				0			0			0			0			0
tetrachloroethene (tetrachloroethlyene)	ug/l				0			0			0			0			0
toluene	ug/l				2.8			3.3			8.0			19.0			8.28
chlorobenzene	ug/l				0			0			0			0			0
ethylbenzene	ug/l				0			0			0			0			0
2-butanone (MEK)	ug/L				0			0			0			0			0
carbon disulfide	mg/L				0			0			0			5			1.35
Total Halomethanes	ug/L				12.20			3.30			11.50			26.20			13.30

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
EPA METHOD 624																	
acrylonitrile	ug/L				0.00			0.00			0.00			0.00			0.00
	lbs/L				0.00			0.00			0.00			0.00			0.00
acrolein	ug/L				0.00			0.00			0.00			0.00			0.00
	lbs/d				0.00			0.00			0.00			0.00			0.00
TCDD equivalents																	
2,3,7,8-tetra CDD	pg/L				0.00419000			0.00352000			0.00156000			0.00148500			0.00268875
1,2,3,7,8-penta CDD	pg/L				0.00395000			0.00215000			0.00306000			0.00285500			0.00300375
1,2,3,4,7,8-hexa CDD	pg/L				0.00009050			0.00058000			0.00055900			0.00046650			0.00042400
1,2,3,6,7,8-hexa CDD	pg/L				0.00010100			0.00062300			0.00068400			0.00081900			0.00055675
1,2,3,7,8,9-hexa CDD	pg/L				0.00010000			0.00061500			0.00061400			0.00076100			0.00052250
1,2,3,4,6,7,8-hepta CDD	pg/L				0.00039500			0.00018200			0.00033500			0.00103250			0.00048613
octa CDD	pg/L				0.00030000			0.00015000			0.00026000			0.00089500			0.00040125
2,3,7,8-tetra CDF	pg/L				0.00040900			0.00038600			0.00031600			0.00032850			0.00035988
1,2,3,7,8-penta CDF	pg/L				0.00049000			0.00020950			0.00018900			0.00017450			0.00026575
2,3,6,7,8-penta CDF	pg/L				0.00430500			0.00134500			0.00185500			0.00210500			0.00240250
1,2,3,4,7,8-hexa CDF	pg/L				0.00053300			0.00052500			0.00027700			0.00084850			0.00054588
1,2,3,6,7,8-hexa CDF	pg/L				0.00051000			0.00053600			0.00027000			0.00046400			0.00044500
1,2,3,7,8,9-hexa CDF	pg/L				0.00081100			0.00075400			0.00043800			0.00047850			0.00062038
2,3,4,6,7,8-hexa CDF	pg/L				0.00055200			0.00053400			0.00033100			0.00061650			0.00050838
1,2,3,4,6,7,8-hepta CDF	pg/L				0.00009920			0.00007830			0.00010700			0.00050150			0.00019650
1,2,3,4,7,8,9-hepta CDF	pg/L				0.00013600			0.00008780			0.00010000			0.00008300			0.00010170
octa CDF	pg/L				0.00002670			0.00001250			0.00003320			0.00010160			0.00004350
TOTAL TCDD	pg/L				0.01699840			0.01228810			0.01098820			0.01401560			0.01357258
TOTAL TCDD lbs/day	lbs/d				0.00000342			0.00000261			0.00000226			0.00000283			0.00000278

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 — **2015 EFFLUENT TABS**

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
		Limitations															
		Monthly Average															
EFFLUENT FLOW (MGD)	MGD		25		24.11	23.94	24.49	24.51	24.85	24.79	24.66	24.69	24.50	24.23	24.31	24.58	24.47
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			7.17	7.23	7.27	7.28	7.14	7.29	7.20	7.24	7.20	7.16	7.06	7.04	7.19
Temperature	C	---	---	---	19.2	20.6	21.8	22.4	23.2	25.0	27.0	27.9	28.6	27.1	22.9	19.9	23.8
COMPOSITE ANALYSES		Limitations															
		30-day	7-day	Max													
Total Suspended Solids	mg/L	---	---	---	12.4	11.8	10.5	10.6	8.6	9.2	15.1	10.0	10.6	9.3	10.4	9.6	10.7
daily mass emission	lbs/d	---	---	---	2471	2355	2147	2169	1809	1923	3131	2068	2159	1876	2122	1967	2183
weekly (7 day) average	mg/L	---	45	---	12	12	10	11	9	10	13	12	11	9	10	10	11
mass emission (7 day) average	lbs/d	---	9,383	---	2489	2407	2112	2119	1860	2011	2673	2486	2178	1843	2082	2015	2190
monthly (30 day) average	mg/L	30	---	---	12	12	11	11	9	10	10	15	10	10	10	10	11
mass emission (30 day) average	lbs/d	6,255	---	---	2289	2507	2179	2122	1930	2066	1970	3090	2102	2032	1960	2015	2188
Volatile Suspended Solids	mg/L	---	---	---	10.31	9.92	9.11	8.93	7.05	7.68	12.40	8.62	9.32	8.24	8.97	8.65	9.10
BOD	mg/L	---	---	---	14.2	13.6	12.4	12.3	10.7	11.0	16.5	11.8	12.3	11.2	12.0	11.1	12.4
Soluble BOD	mg/L	---	---	---													
Carbonaceous BOD (CBOD)	mg/L	---	---	---	10.7	10.2	9.3	9.2	7.9	8.0	12.6	8.5	9.0	8.1	8.4	7.9	9.1
daily mass emission	lbs/d	---	---	---	2136	2033	1891	1876	1661	1674	2613	1758	1831	1629	1697	1617	1868
weekly (7 day) average	mg/L	---	40	---	11	10	9	9	8	8	11	10	9	8	8	8	9
mass emission (7 day) average	lbs/d	---	8,340	---	2157	2033	1866	1808	1765	1718	1668	2564	1881	1590	1667	1694	1868
monthly (30 day) average	mg/L	25	---	---	10	11	9	9	8	8	8	12	9	9	8	8	9
mass emission (30 day) average	lbs/d	5,213	---	---	1968	2163	1925	1856	1730	1812	1714	2558	1791	1733	1628	1653	1878

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations 30-day	Limitations 7-day	Limitations Max	JAN Average	FEB Average	MAR Average	APR Average	MAY Average	JUN Average	JUL Average	AUG Average	SEP Average	OCT Average	NOV Average	DEC Average	2015 AVERAGE
Floatables	mg/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Dissolved Solids	mg/L	---	---	---	1537	1519	1467	1442	1391	1434	1396	1469	1472	1450	1441	1409	1452
Turbidity	NTU	---	---	225	2.39	2.29	2.21	2.40	1.91	2.08	3.47	2.09	2.09	1.95	2.13	2.18	2.27
weekly (7 day) average	NTU	---	100	---	2.40	2.32	2.18	2.33	2.02	2.07	3.04	2.50	2.10	1.94	2.11	2.21	2.27
monthly (30 day) average	NTU	75	---	---	2.3	2.4	2.2	2.3	2.2	2.0	2.3	3.2	2.1	2.1	2.0	2.2	2.3
C.O.D. Chemical Oxygen Demand	mg/L	---	---	---													
Total Solids	mg/L	---	---	---													
Volatile Solids	mg/L	---	---	---													

TOXICITY		Limitations 30-day	Limitations 7-day	Limitations Max													
Acute Toxicity	TU'a	---	---	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.85	0.0	0.0	0.0	0.14
weekly (7 day) average	TU'a	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.0	0.0	0.0	0.06
monthly (30 day) average	TU'a	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78	0.93	0.0	0.0	0.14

CHRONIC TOXICITY		Limitations 6-mnth	Limitations Daily	Limitations 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	25	25	25	31	25	30	25	50	25	25	28
TOPSMELT																	
survival	TU'c	---	95.6	---													
growth	TU'c	---	95.6	---													

METALS AND CYANIDE		Limitations 6-Mnth	Limitations Daily	Limitations 30-day													
Antimony	ug/L	---	---	115000	0			0			0			0			0
	lbs/d			23900	0			0			0			0			0
Beryllium	ug/L	---	---	3.15	0			0			0			0			0
	lbs/d	---	---	0.658	0			0			0			0			0
Thallium	ug/L	---	---	191	0			0			0			0			0
	lbs/d	---	---	39.9	0			0			0			0			0
Chromium III	ug/L	---	---	18200000													
	lbs/d	---	---	3790000													

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
		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	0	0	0	0	0	0.00
	lbs/d	19.9	79.7	199	0	0	0	0	0	0	0	0	0	0	0	0	0.00
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	0	0	0	0	0	0	0.00
	lbs/d	20.3	200	559	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Iron	ug/L																
Lead	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
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	21.475	13.225	30	18.725	20.25	14.96	17.475	23.2	16	10.975	14.2	13.225	17.81
	lbs/d	99.7	399	997	4.13159847	2.44448111	7.17268356	4.76391225	4.4112762	2.90750581	7.96467498	6.67620336	4.3543974	3.11981678	3.55727688	4.66374885	4.68
Selenium	ug/L	1430	5740	14300	0	0	12.56	0	0	0	0	0	0	0	0	0	1
	lbs/d	299	1200	2990	0	0	2.68518643	0	0	0	0	0	0	0	0	0	0
Silver	ug/L	51.8	253	654	0	0	0	0	0	0	0	0	0	1.6	0	0	0.13
	lbs/d	10.8	52.7	136	0	0	0	0	0	0	0	0	0	0.29415389	0	0	0.02
Zinc	ug/L	1160	6890	18400	42	33.25	28.96	22.95	28.2	18.32	10.85	8.64	0	0	21.12	36.25	20.88
	lbs/d	241	1440	3830	13.7772422	9.62963505	20.2639148	13.5018345	19.8283083	13.2678892	12.8620314	14.8202934	0	0	19.5126243	19.8255561	13.11
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	0	0	0	0	0	0	0	0	0	0	0	0.00
	lbs/d	39.9	159	1200	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Ammonia-N	mg/L	57.4	229	574	5	6	5.5	8.5	10.3	7.3	7.5	10.2	11.6	10.3	7.2	9.5	8.24
	lbs/d	12000	47800	120000	887.376	927.7416	1229.316	1935.297	2173.3206	1752.79278	1477.431	2089.27008	2544.3672	2091.7137	1449.55872	1867.4511	1702

RADIOACTIVITY

		Limitations															
		See Cal. code of Reg. Title 17,															
Alpha Radiation	pc/L	Division 1,Chapter 5, Subchapter 4,			10.40	2.20	2.17	4.07	2.25	2.37	9.56	11.40	5.68	0.49	1.25	3.07	4.58
Beta Radiation	pc/L	Group 3, Article 3, Section 32069			11.50	3.64	9.09	5.61	0.00	8.34	9.24	10.80	8.45	6.83	4.26	4.25	6.83

CHLORINATED PESTICIDES

		Limitations															
		6-Mnth	Daily	30-day													
Aldrin	ug/L	---	---	0.0021	0			0			0			0			0
	lbs/d	---	---	0.000439	0			0			0			0			0
Dieldrin	ug/L	---	---	0.00382	0			0			0			0			0
	lbs/d	---	---	0.000797	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

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
DDT's		Limitations															
		Daily	7-day	30-day													
p,p'-DDD	ug/L	---	---	---	0			0			0			0			0
p,p'-DDE	ug/L	---	---	---	0			0			0			0			0
p,p'-DDT	ug/L	---	---	---	0			0			0			0			0
o,p-DDD	ug/L	---	---	---	0			0			0			0			0
o,p-DDE	ug/L	---	---	---	0			0			0			0			0
o,p-DDT	ug/L	---	---	---	0			0			0			0			0
TOTAL DDT's	ug/L	---	---	0.0163	0			0			0			0			0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.00339	0			0			0			0			0
HEPTACHLOR		Limitations															
		Daily	7-day	30-day													
Heptachlor	ug/L	---	---	0.00478	0			0			0			0			0
	lbs/d	---	---	0.000997	0			0			0			0			0
Heptachlor epoxide	ug/L	---	---	0.00191	0			0			0			0			0
	lbs/d	---	---	0.000399	0			0			0			0			0
CHLORDANE																	
Alpha (cis) Chlordane	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
Gamma (trans) Chlordane	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
Oxychlordane	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
trans Nonachlor	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
cis Nonachlor	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
TOTAL CHLORDANE	ug/l	---	---	0.0022	0.00			0.00			0.00			0.00			0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.000458	0.00			0.00			0.00			0.00			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
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	---	---	---													
Mirex	ug/L	---	---	---													
Methoxychlor	ug/L	---	---	---													
Toxaphene	ug/L	---	---	0.0201	0			0			0			0			0
	lbs/d	---	---	0.00419	0			0			0			0			0

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
PCB's																	
PCB 1016	ug/L	---	---	---	0			0			0			0			0
PCB 1221	ug/L	---	---	---	0			0			0			0			0
PCB 1232	ug/L	---	---	---	0			0			0			0			0
PCB 1242	ug/L	---	---	---	0			0			0			0			0
PCB 1248	ug/L	---	---	---	0			0			0			0			0
PCB 1254	ug/L	---	---	---	0			0			0			0			0
PCB 1260	ug/L	---	---	---	0			0			0			0			0
PCB 1262	ug/L	---	---	---													
TOTAL PCB's	ug/L	---	---	0.00182	0			0			0			0			0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.000379	0			0			0			0			0
EPA METHOD 605																	
benzidine	ug/L	---	---	0.0066	0			0			0			0			0
3,3-dichlorobenzidine	lbs/d	---	---	0.161													
TRIBUTYL TIN ANALYSIS																	
tributyl tin	ug/L	---	---	0.134	0			0			0			0			0
	lbs/L	---	---	0.0279	0			0			0			0			0
dibutyl tin	ug/L	---	---	---													
monobutyl tin	ug/L	---	---	---													
BASE/NEUTRAL COMPOUNDS		Limitations															
		Daily	7-day	30-day													
bis(2-chloroethyl) ether	lbs/d	---	---	0.897	0			0			0			0			0
DICHLOROBENZENE																	
metadichlorobenzene, 1,3	ug/L	---	---	---	0			0			0			0			0
orthodichlorobenzene, 1,2	ug/L	---	---	---	0			0			0			0			0
TOTAL DICHLOROBENZENE	ug/L	---	---	488000	0			0			0			0			0
MASS EMISSION LBS/DAY	lbs/d	---		102000	0			0			0			0			0

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
paradichlorobenzene (1,4-dichlorobenzene)	ug/L	---	---	1720	0			0			0			0			0
bis-(2-chloroisopropyl) ether	ug/L	---	---	115000													
N-nitrosodi-n-propylamine	ug/L	---	---	36.3													
nitrobenzene	ug/L	---	---	468													
hexachloroethane	ug/L	---	---	250	0			0			0			0			0
isophorone	ug/L	---	---	69800	0			0			0			0			0
bis(2-chloroethoxy)methane	ug/L	---	---	421	0			0			0			0			0
1,2,4-trichlorobenzene	ug/L	---	---	---	0			0			0			0			0
naphthalene	ug/L	---	---	---													
hexachlorobutadiene	ug/L	---	---	1340	0			0			0			0			0
hexachlorocyclopentadiene	ug/L	---	---	5540													
acenaphthylene pah	ug/L	---	---	---	0			0			0			0			0
dimethyl phthalate	ug/L	---	---	78400000	0			0			0			0			0
2,6-dinitrotoluene	ug/L	---	---	---	0			0			0			0			0
acenaphthene	ug/L	---	---	---	0			0			0			0			0
2,4-dinitrotoluene	ug/L	---	---	249	0			0			0			0			0
fluorene pah	ug/L	---	---	---	0			0			0			0			0
4-chlorophenyl phenyl ether	ug/L	---	---	---													
diethyl phthalate	ug/L	---	---	3150000	0			0			0			0			0
N-nitrosodiphenylamine	ug/L	---	---	239													
4-bromophenyl phenyl ether	ug/L	---	---	---	0			0			0			0			0
hexachlorobenzene	ug/L	---	---	0.0201	0			0			0			0			0
phenanthrene pah	ug/L	---	---	---	0			0			0			0			0
anthracene pah	ug/L	---	---	---													
di-n-butyl phthalate	ug/L	---	---	335000	0			0			0			0			0
N-nitrosodimethylamine	ug/L	---	---	69800	0			0			0			0			0
fluoranthene	ug/L	---	---	1430	0			0			0			0			0
pyrene pah	ug/L	---	---	---	0			0						0			0
butyl benzyl phthalate	ug/L	---	---	---													
chrysene pah	ug/L	---	---	---	0			0			0			0			0
benzo(A)anthracene pah	ug/L	---	---	---	0			0			0			0			0
bis-(2-ethylhexyl) phthalate	ug/L	---	---	335	0			0			21			0			5.250
di-n-octyl phthalate	ug/L	---	---	---													
benzo (K) fluoranthene pah	ug/L	---	---	---	0			0			0			0			0
3,4-benzo (B) fluoranthene pah	ug/L	---	---	---	0			0			0			0			0
benzo (A) pyrene pah	ug/L	---	---	---	0			0			0			0			0
dibenzo (A,H) anthracene pah	ug/L	---	---	---	0			0			0			0			0
benzo (G,H,I) perylene pah	ug/L	---	---	---	0			0			0			0			0
1,2-diphenylhydrazine	ug/L	---	---	15.3	0			0			0			0			0
	lbs/d	---	---	3.19	0			0			0			0			0
TOTAL PAH'S	ug/L	---	---	0.841	0			0			21			0			5.25
MASS EMISSION LBS/DAY	lbs/d	---	---	0.175	0			0			175			0			43.75

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
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													
pentachlorophenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
		6-Mnth	Daily	Instant													
TOTAL CHLORINATED PHENOLIC COMPOUNDS	ug/L	95.6	382	956	0.0	0.0	0.0	0.0	0.0	0.0	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	0	0	0	0	0	0	0	0	0	0.00
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 COMP	ug/L	2870	11500	28700	0	0	0	0	0	0	0	0	0	0	0	0	0.000
MASS EMISSION LBS/DAY	lbs/d	598	2390	5980	0	0	0	0	0	0	0	0	0	0	0	0	0.000
HALOMETHANE PURGEABLE COMPOUNDS (EPA 624) (VOC's)		Limitations															
		---	---	30-day													
chloromethane (hal)	ug/L	---	---	---	0			0			0			0			0
bromomethane (hal)	ug/L	---	---	---	0			0			0			0			0
vinyl chloride	ug/L	---	---	3440	0			0			0			0			0
chloroethene	ug/L	---	---	---	0			0			0			0			0
1,1-dichloroethene (1,1-dichloroethlyene)	ug/L	---	---	86	0			0			0			0			0
trichlorofluoromethane	ug/L	---	---	---	0			0			0			0			0
methlyene chloride (dichloromethane)	ug/L	---	---	43000	0			0			0			0			0
1,1-dichloroethane	ug/L	---	---	---	0			0			0			0			0
trans-1,2-dichloroethene	ug/L	---	---	---	0			0			0			0			0
chloroform	ug/L	---	---	12400	0			0			0			0			0
1,2-dichloroethane	ug/L	---	---	2680	0			0			0			0			0
1,1,1-trichloroethane	ug/L	---	---	51600000	0			0			0			0			0
carbon tetrachloride	ug/L	---	---	86	0			0			0			0			0
DCBM-bromodichloromethane	ug/L	---	---	593	0			0			0			0			0
1,2-dichloropropane	ug/L	---	---	---	0			0			0			0			0
trans-1,3-dichloropropene	ug/L	---	---	851	0			0			0			0			0
trichloroethene (trichloroethylene)	ug/L	---	---	2580	0			0			0			0			0
benzene	ug/L	---	---	564	0			0			0			0			0
dibromochloromethane	ug/L	---	---	---	0			0			0			0			0
1,1,2-trichloroethane	ug/L	---	---	899	0			0			0			0			0
cis-1,3-dichloropropene	ug/L	---	---	851	0			0			0			0			0
2-chloroethylvinyl ether	ug/L	---	---	---	0			0			0			0			0
bromoform (hal)	ug/L	---	---	---	0			0			0			0			0
1,1,2,2-tetrachloroethane	ug/L	---	---	220	0			0			0			0			0
tetrachloroethene (tetrachloroethylene)	ug/L	---	---	191	0			0			0			0			0
toluene	ug/L	---	---	8130000	0			0			0			0			0
chlorobenzene	ug/L	---	---	54500	0			0			0			0			0
ethylbenzene	ug/L	---	---	392000	0			0			0			0			0
2-butanone (MEK)	ug/L	---	---	---	0			0			0			0			0
carbon disulfide	ug/L	---	---	---	0			0			0			0			0
TOTAL HALOMETHANE PURGEABLE CMPDS.	ug/L	---	---	13000	0			0			0			0			0
MASS EMISSION LBS/DAY	lbs/d	---	---	2700	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	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
EPA METHOD 624		Limitations															
		Daily	7-day	30-day													
acrylonitrile	ug/L	---	---	9.56	0			0			0			0			0
	lbs/L	---	---	1.99	0			0			0			0			0
acrolein	ug/L	---	---	21000	0			0			0			0			0
	lbs/d	---	---	4390	0			0			0			0			0
TCDD EQUIVALENTS		Limitations															
		Daily	7-day	30-day													
2,3,7,8-tetra CDD	pg/L	---	---	---	0.00180000			0.00455000			0.00232000			0.00185000			0.0026300000
1,2,3,7,8-penta CDD	pg/L	---	---	---	0.00147000			0.00259000			0.00163000			0.00124750			0.0017343750
1,2,3,4,7,8-hexa CDD	pg/L	---	---	---	0.00063700			0.00046500			0.00049400			0.00040650			0.0005006250
1,2,3,6,7,8-hexa CDD	pg/L	---	---	---	0.00084900			0.00047800			0.00053200			0.00047150			0.0005826250
1,2,3,7,8,9-hexa CDD	pg/L	---	---	---	0.00074300			0.00048200			0.00050800			0.00043250			0.0005413750
1,2,3,4,6,7,8-hepta CDD	pg/L	---	---	---	0.00001090			0.00000590			0.00000770			0.00000680			0.0000078250
octa CDD	pg/L	---	---	---	0.00000570			0.00000180			0.00000210			0.00000220			0.0000029500
2,3,7,8-tetra CDF	pg/L	---	---	---	0.00000000			0.00000000			0.00000000			0.00000000			0.0000000000
1,2,3,7,8-penta CDF	pg/L	---	---	---	0.00008100			0.00018150			0.00012800			0.00012750			0.0001295000
2,3,4,7,8-penta CDF	pg/L	---	---	---	0.00077500			0.00122000			0.00124500			0.00171750			0.0012393750
1,2,3,4,7,8-hexa CDF	pg/L	---	---	---	0.00028800			0.00035200			0.00029300			0.00032200			0.0003137500
1,2,3,6,7,8-hexa CDF	pg/L	---	---	---	0.00027600			0.00033100			0.00027800			0.00030750			0.0002981250
1,2,3,7,8,9-hexa CDF	pg/L	---	---	---	0.00044800			0.00049100			0.00043300			0.00049200			0.0004660000
2,3,4,6,7,8-hexa CDF	pg/L	---	---	---	0.00034400			0.00037200			0.00031200			0.00035400			0.0003455000
1,2,3,4,6,7,8-hepta CDF	pg/L	---	---	---	0.00004270			0.00003950			0.00004270			0.00010535			0.0000575625
1,2,3,4,7,8,9-hepta CDF	pg/L	---	---	---	0.00005030			0.00005210			0.00007680			0.00006575			0.0000612375
octa CDF	pg/L	---	---	---	0.00001400			0.00001370			0.00001770			0.00002015			0.0000163875
TOTAL TCDD	pg/L	---	---	0.373	0.00783460			0.01162550			0.00832000			0.00792875			0.0089272125
Mass Emission lbs/day	lbs/d	---	---	0.000000777	0.00000015			0.00000023			0.00000171			0.00000160			0.0000009225

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

INFLUENT GRAPHS

International Boundary and Water Commission

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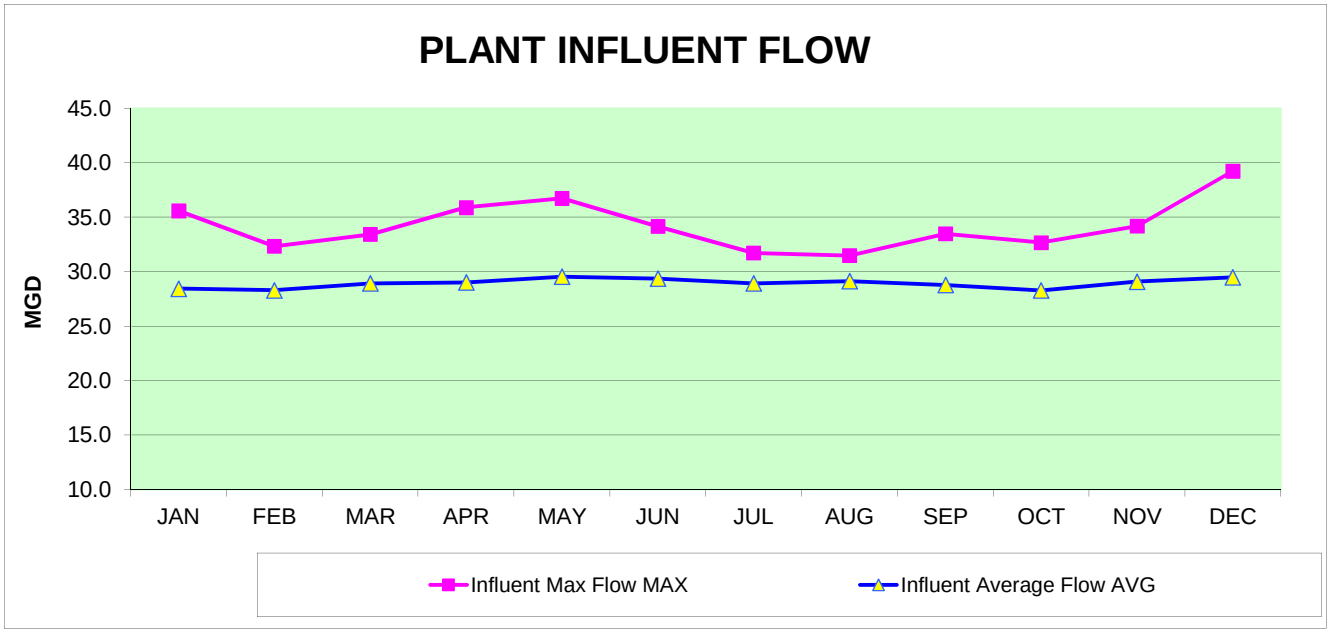

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MAX	35.59	32.33	33.44	35.91	36.75	34.17	31.72	31.48	33.49	32.68	34.20	39.25
AVG	28.45	28.30	28.93	29.03	29.55	29.38	28.94	29.15	28.78	28.28	29.10	29.49

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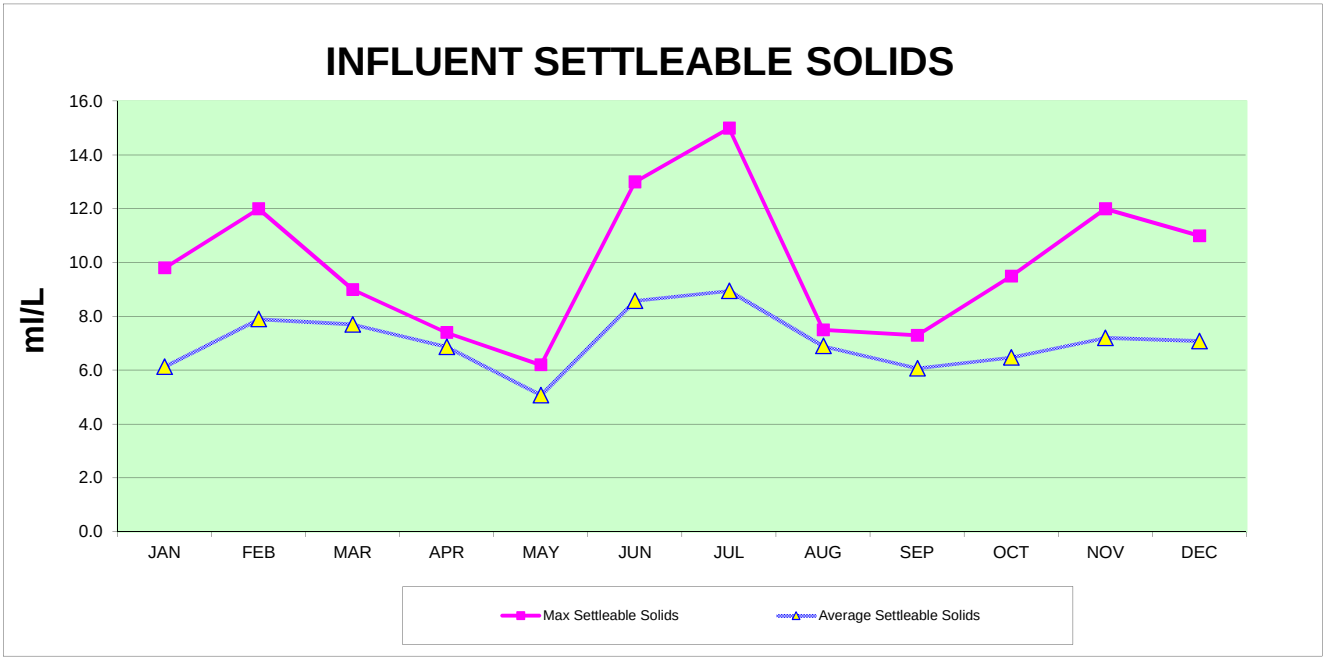

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	9.8	12.0	9.0	7.4	6.2	13.0	15.0	7.5	7.3	9.5	12.0	11.0
Average	6.1	7.9	7.7	6.9	5.1	8.6	9.0	6.9	6.1	6.5	7.2	7.1

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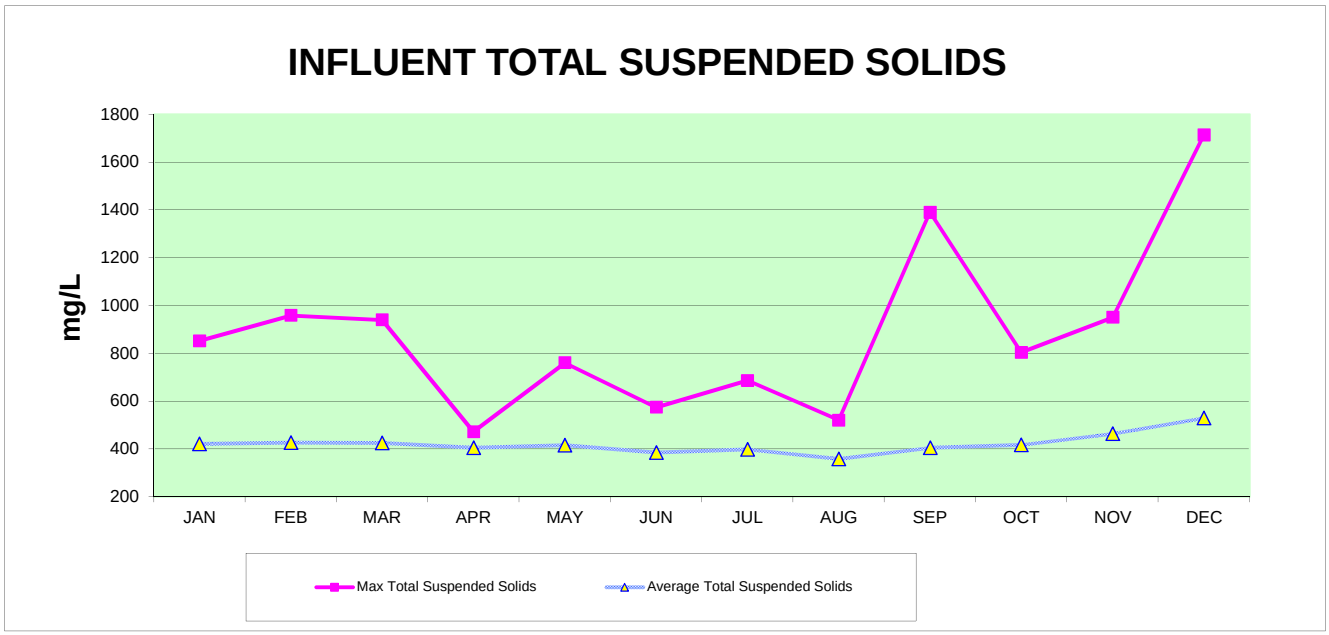

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	852	958	940	472	760	574	686	520	1390	804	950	1714
Average	420	426	424	405	415	385	398	358	405	417	464	529

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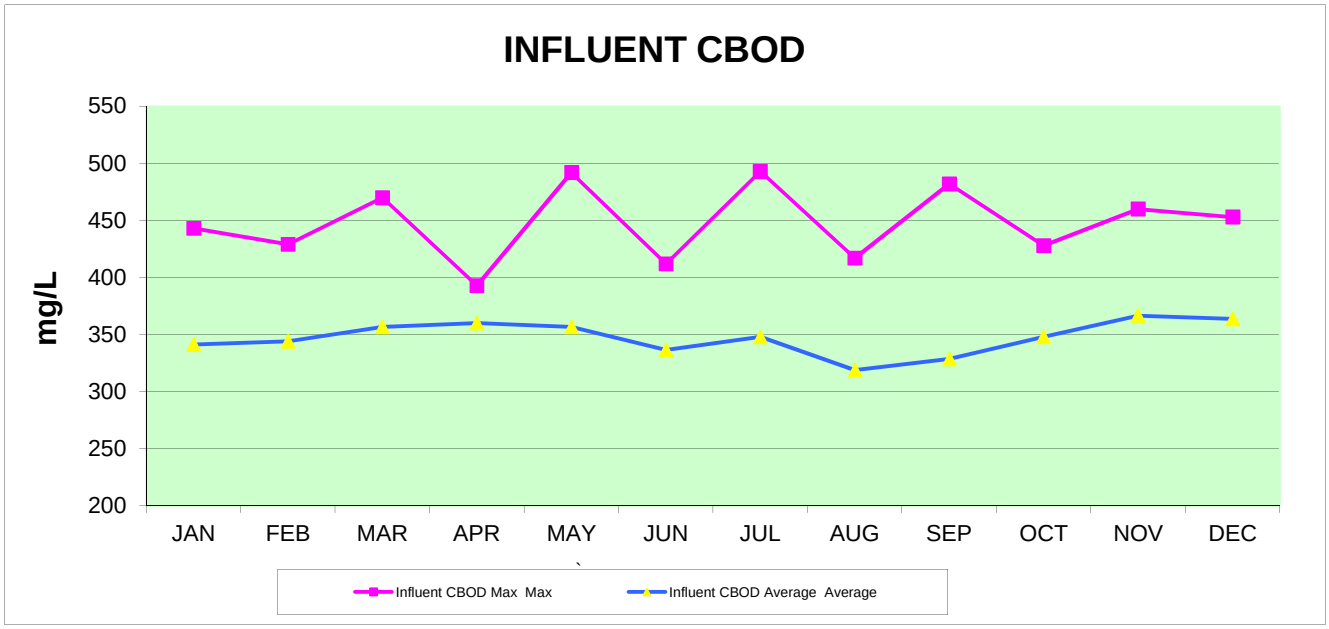

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	443	429	470	393	492	412	493	417	482	428	460	453
Average	341	344	357	360	357	337	348	319	329	348	367	364

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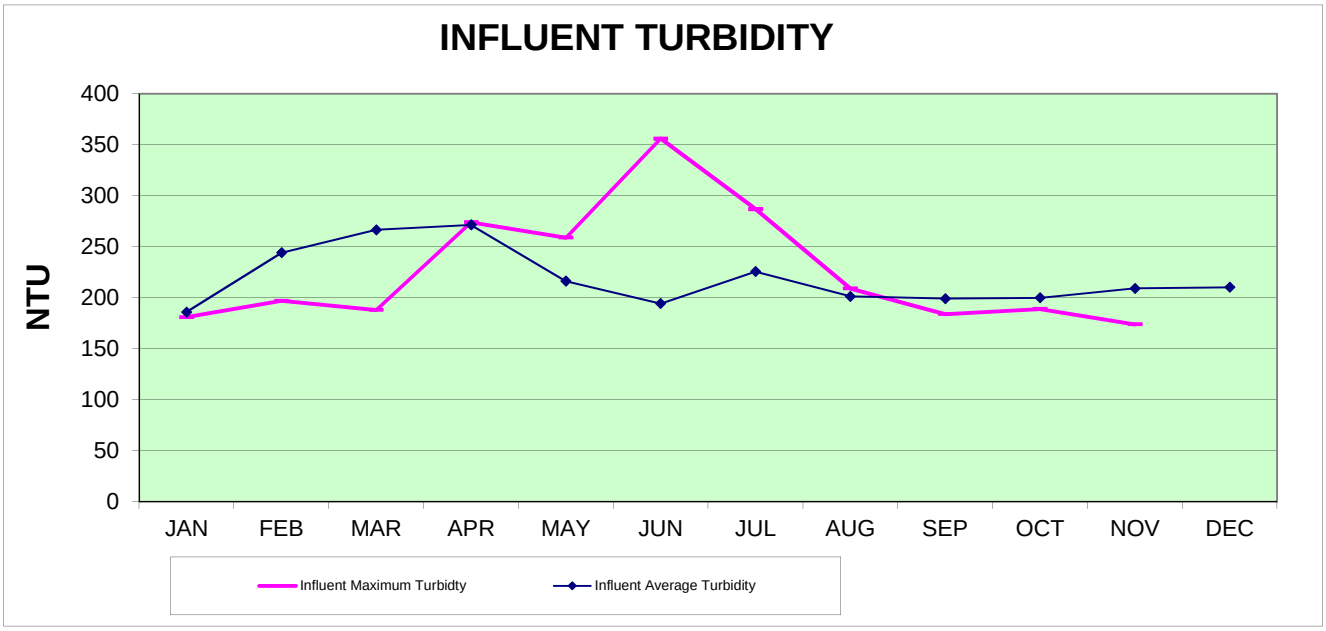

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	195	390	340	288	326	239	310	216	221	214	291	217
Average	186	244	267	272	216	194	226	201	199	200	209	210

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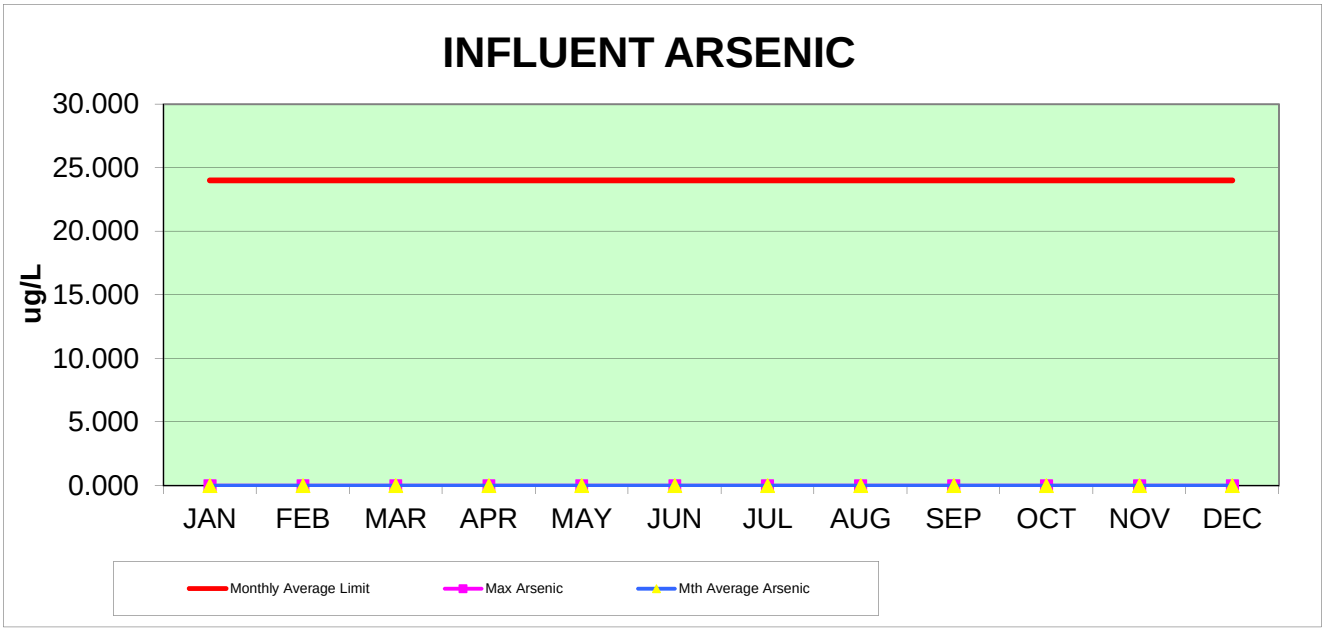

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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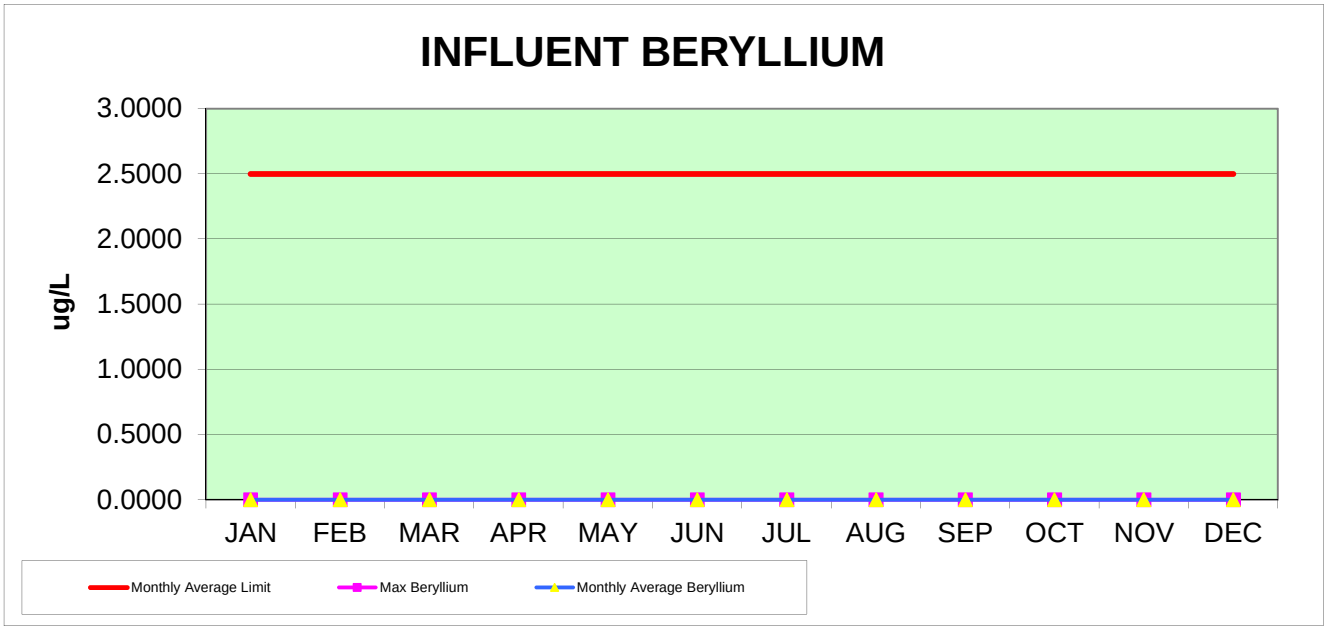

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000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

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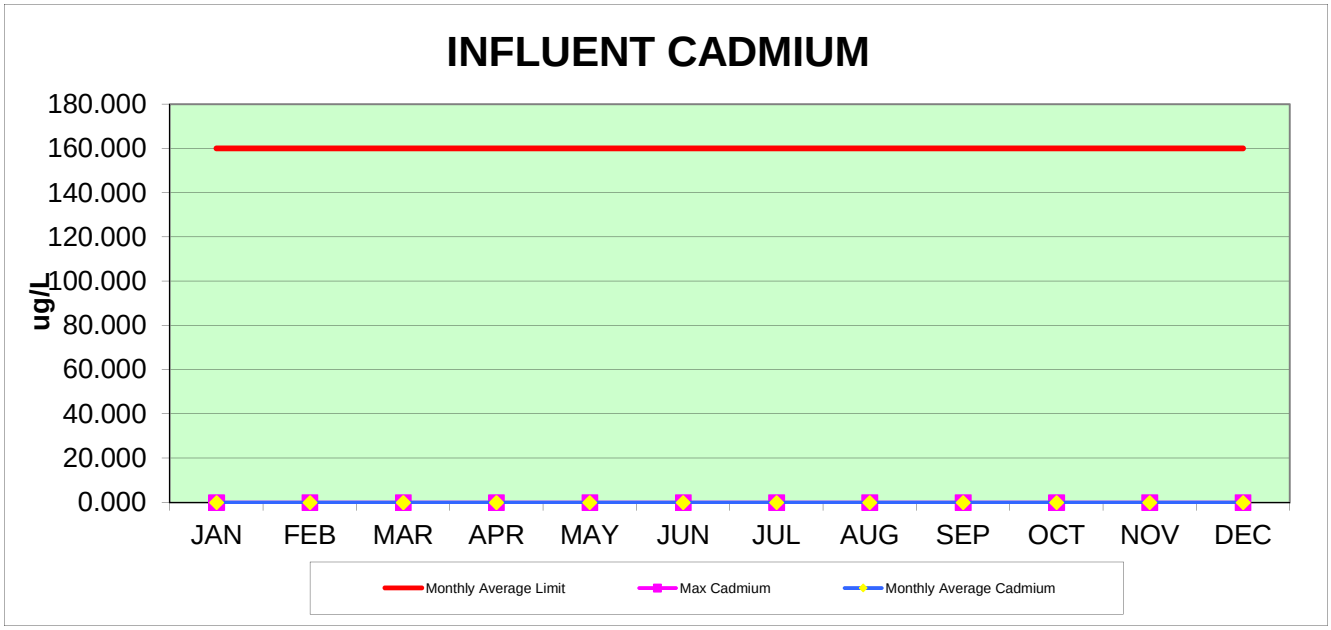

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000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

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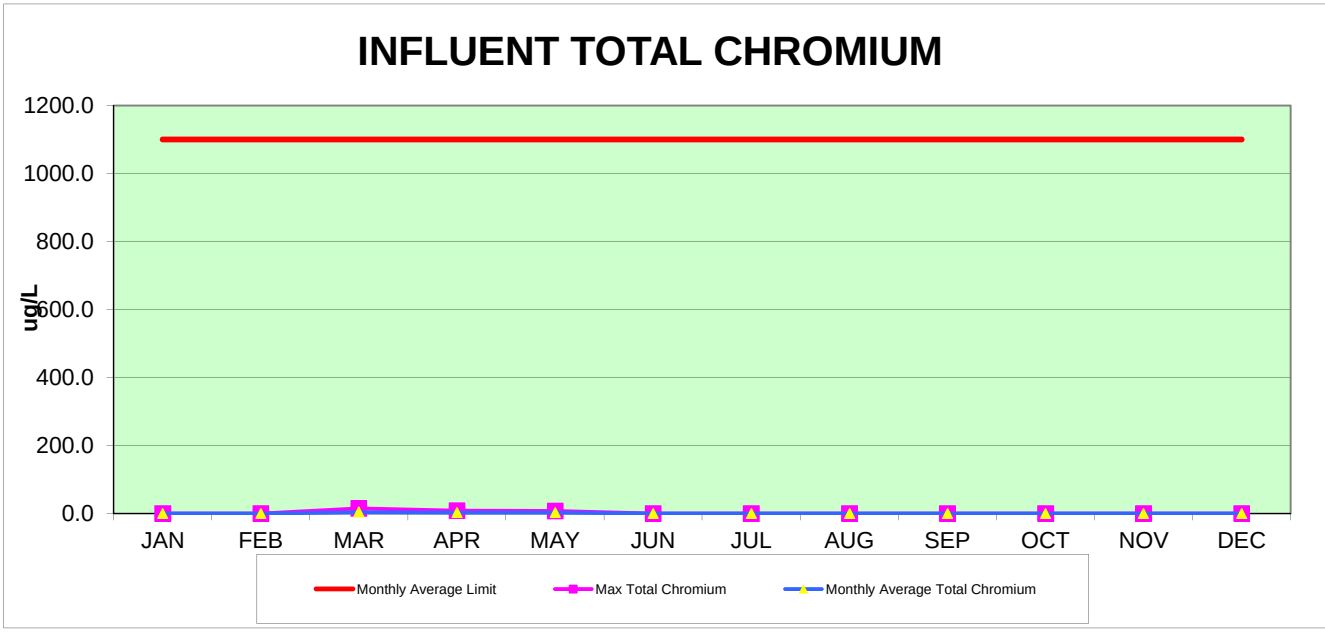

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
Max	0.000	0.000	15.000	7.800	7.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	3.960	2.850	2.775	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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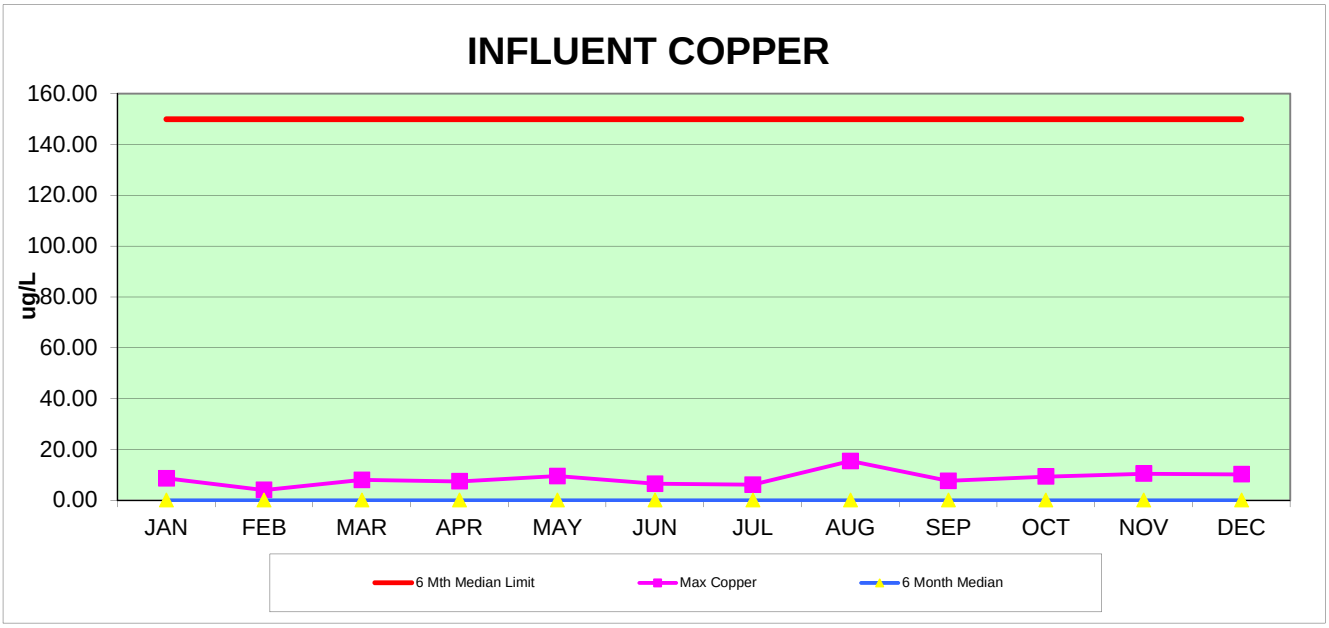

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
Max	8.618	4.020	7.999	7.412	9.521	6.455	6.107	15.442	7.628	9.303	10.434	10.222
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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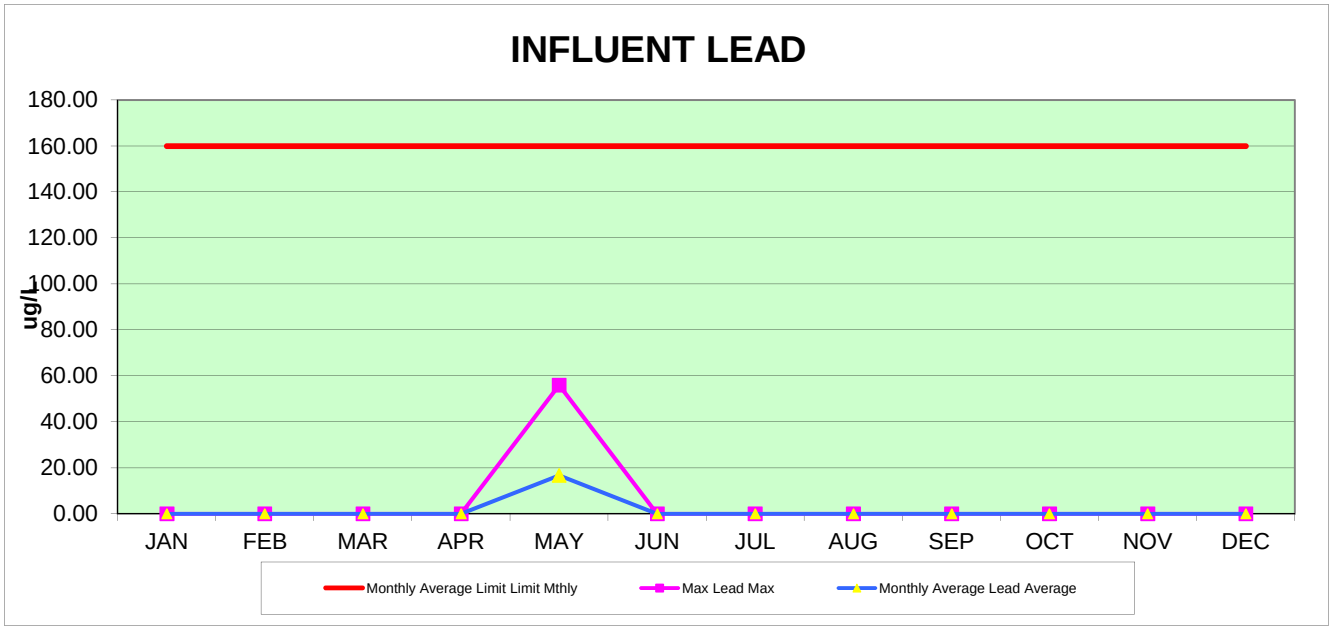

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00
Max	0.000	0.000	0.000	0.000	56.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	16.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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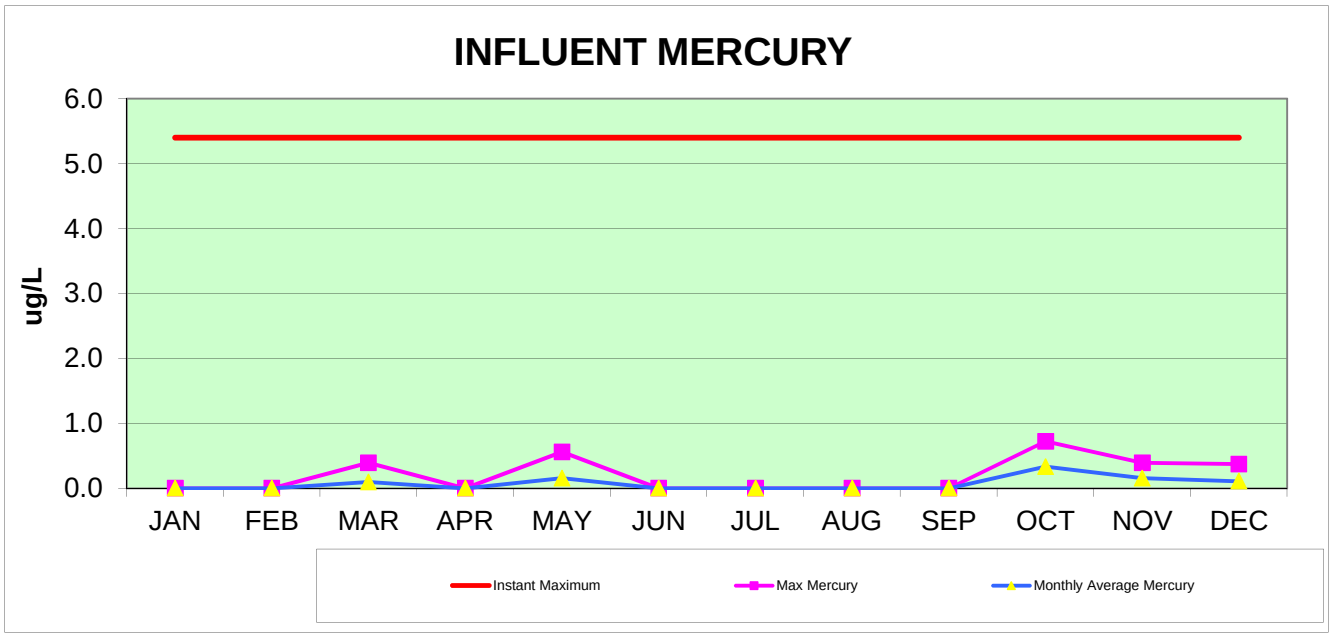

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Max	0.00000	0.00000	0.39000	0.00000	0.56000	0.00000	0.00000	0.00000	0.00000	0.72000	0.39000	0.37000
Average	0.00000	0.00000	0.09480	0.00000	0.15575	0.00000	0.00000	0.00000	0.00000	0.33050	0.15460	0.10825

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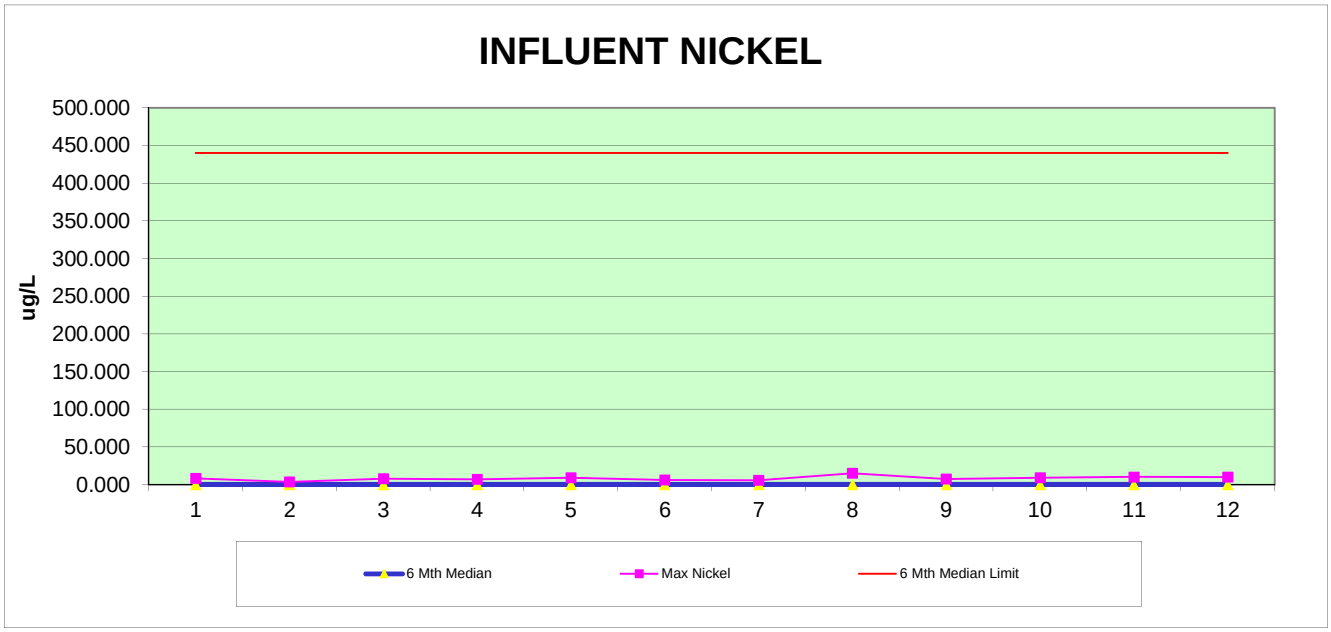

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00
Max	8.618	4.020	7.999	7.412	9.521	6.455	6.107	15.442	7.628	9.303	10.434	10.222
6 Mth Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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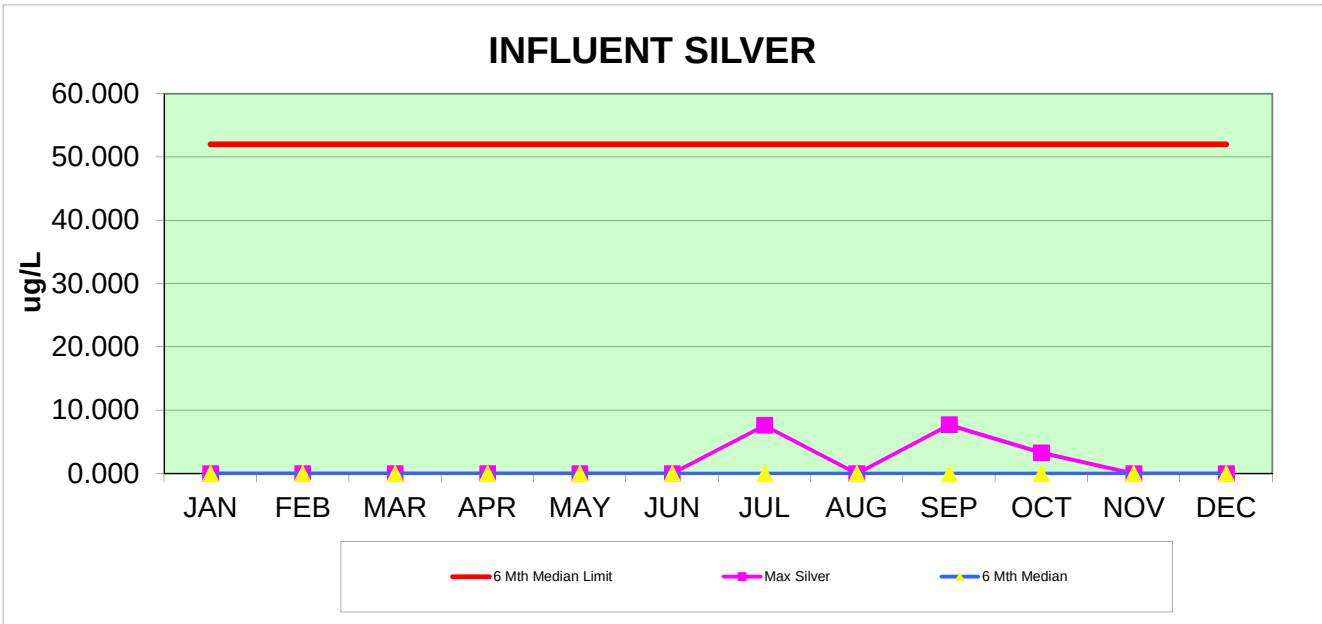

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	7.600	0.000	7.700	3.300	0.000	0.000
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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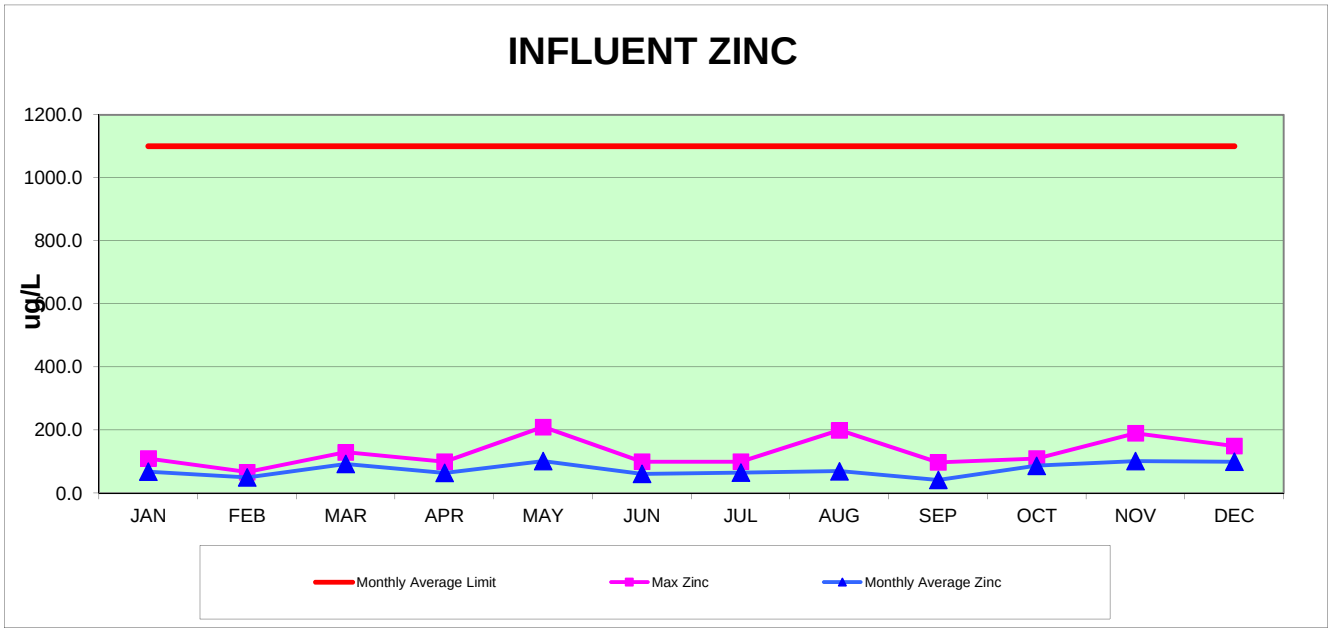

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mthly Limit	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
Max	110.000	67.000	130.000	100.000	210.000	100.000	100.000	200.000	98.000	110.000	190.000	150.000
Average	68.500	50.500	93.200	64.250	101.750	61.600	65.750	69.960	41.950	87.250	101.760	100.250

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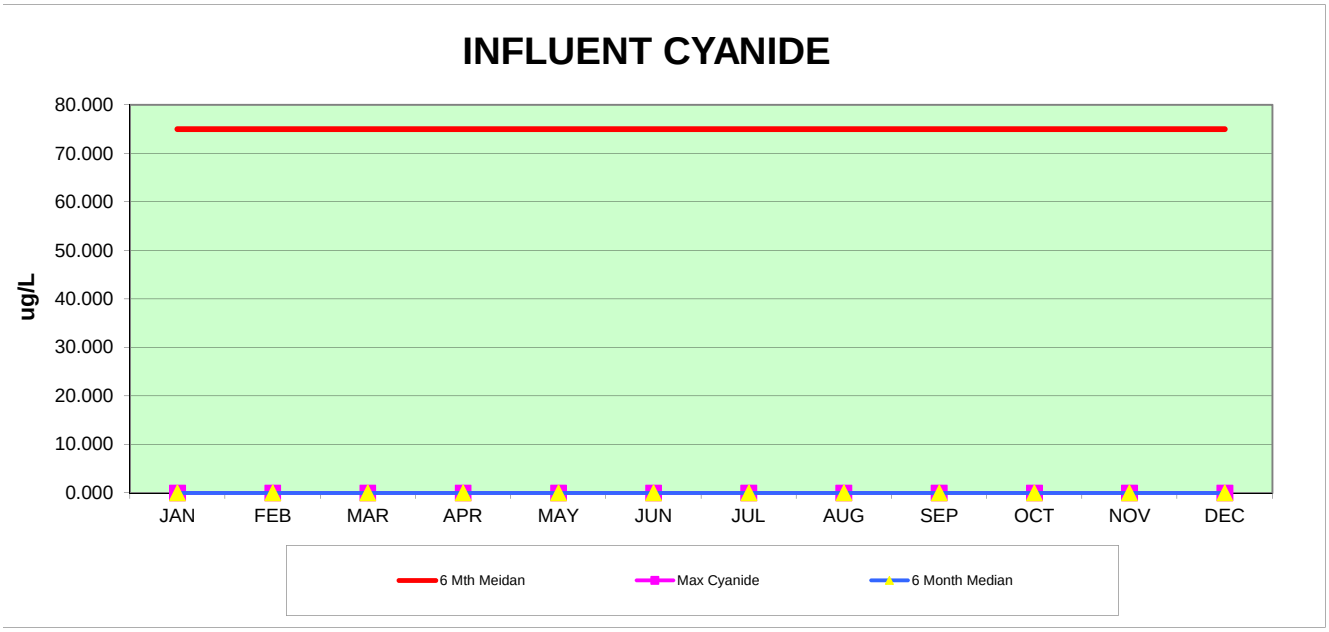

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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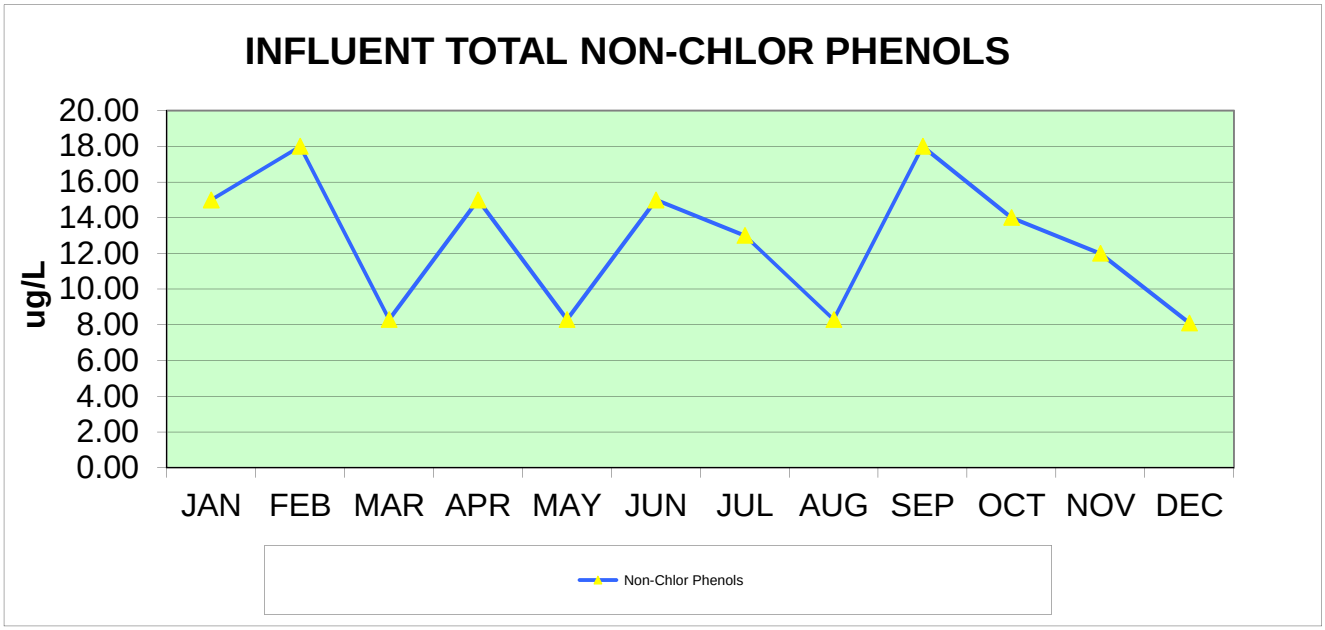

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average	15.000	18.000	8.300	15.000	8.300	15.000	13.000	8.300	18.000	14.000	12.000	8.100

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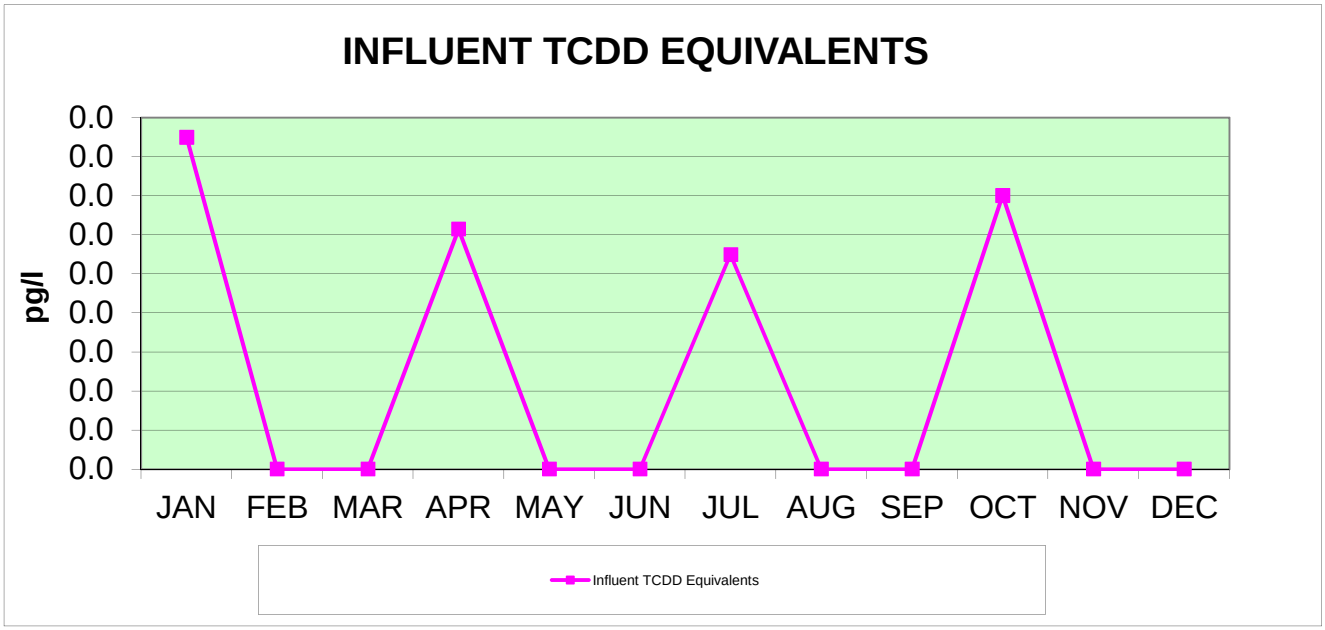

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00

EFFLUENT GRAPHS

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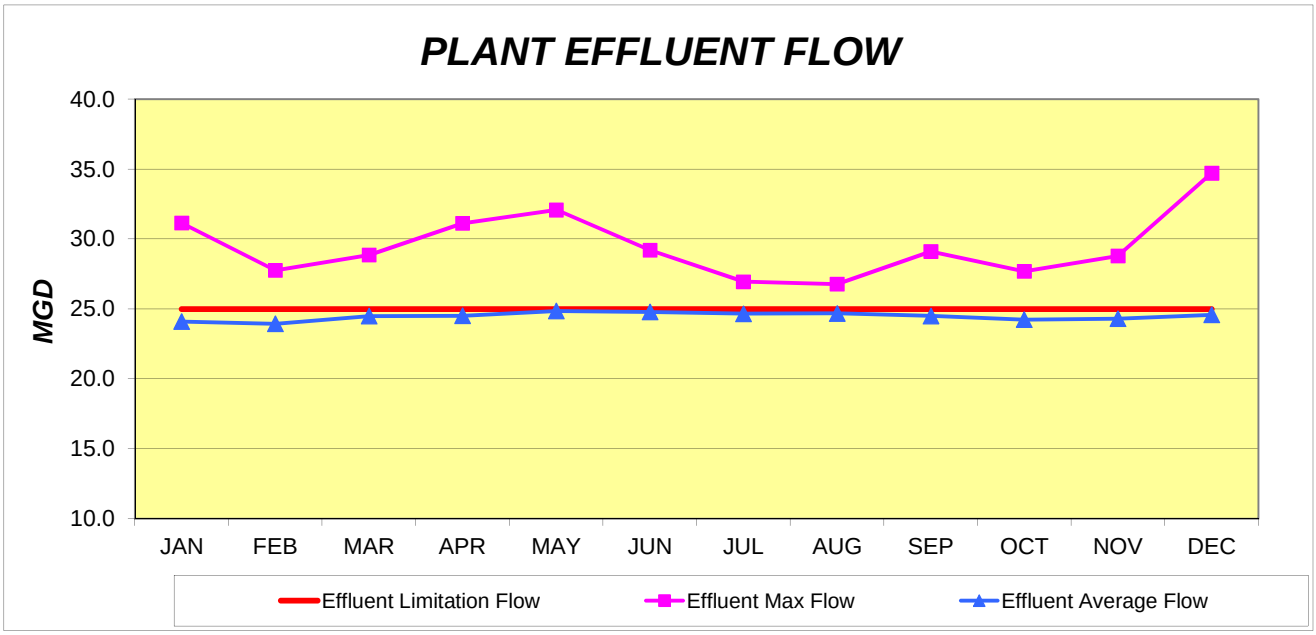

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Max	31.15	27.76	28.87	31.13	32.08	29.20	26.95	26.78	29.11	27.70	28.79	34.73
Average	24.11	23.94	24.49	24.51	24.85	24.79	24.66	24.69	24.50	24.23	24.31	24.58

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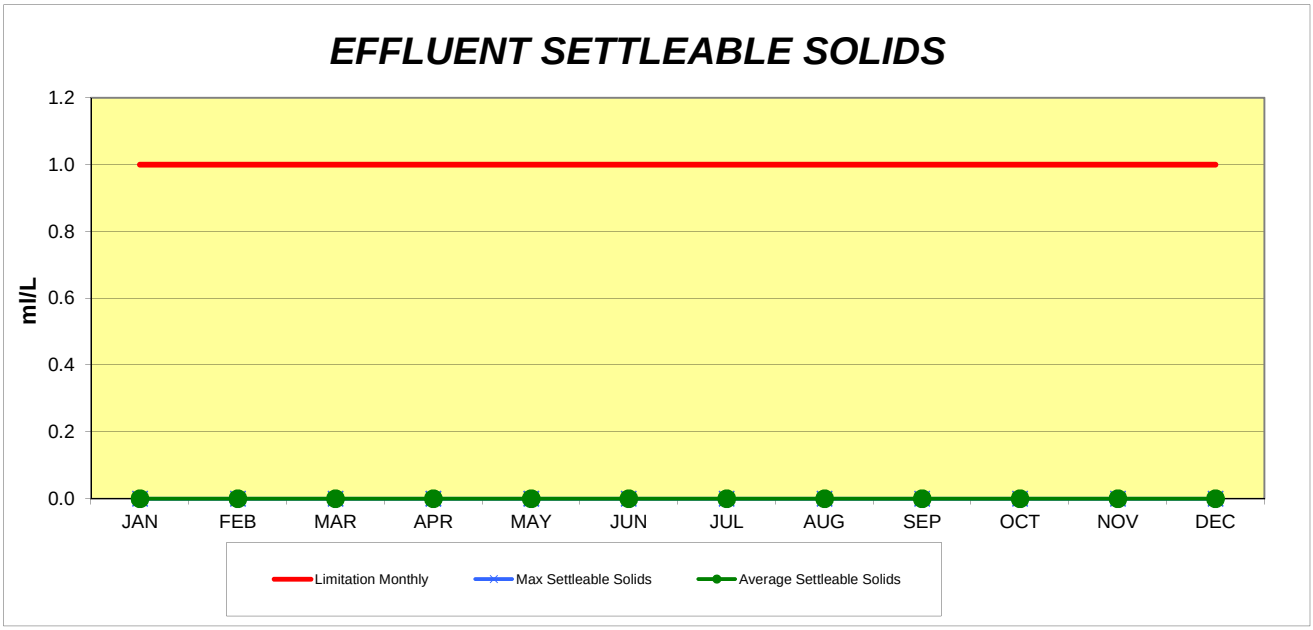

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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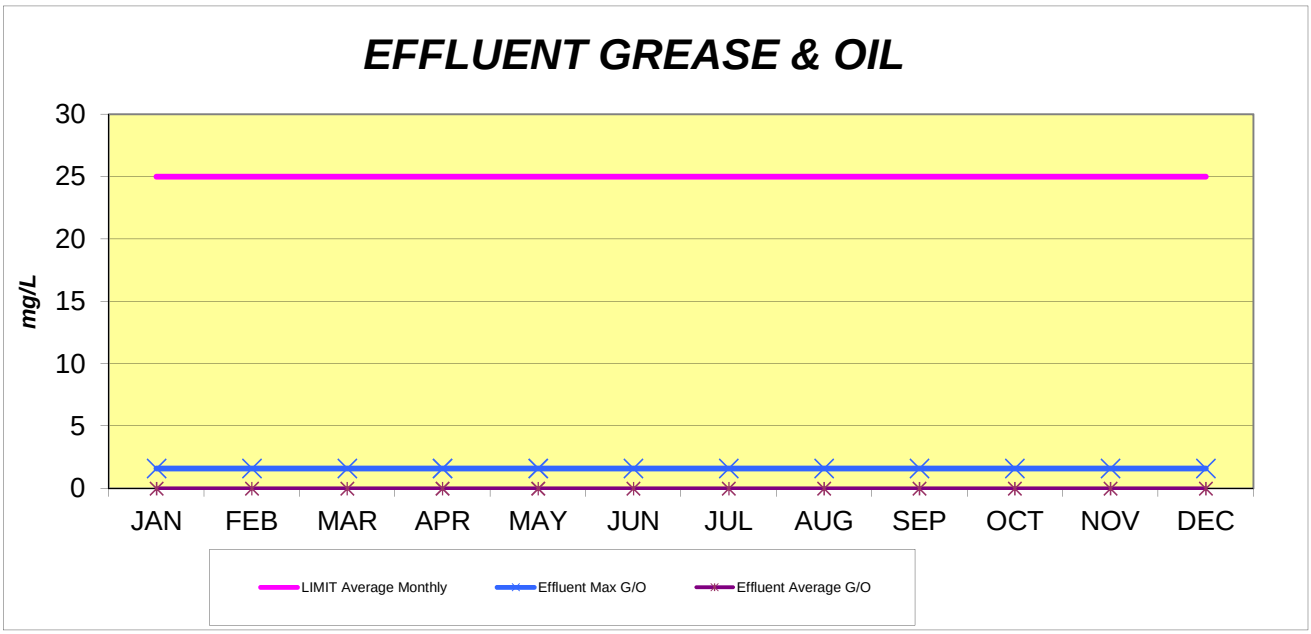

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	25	25	25	25	25	25	25	25	25	25	25	25
Max	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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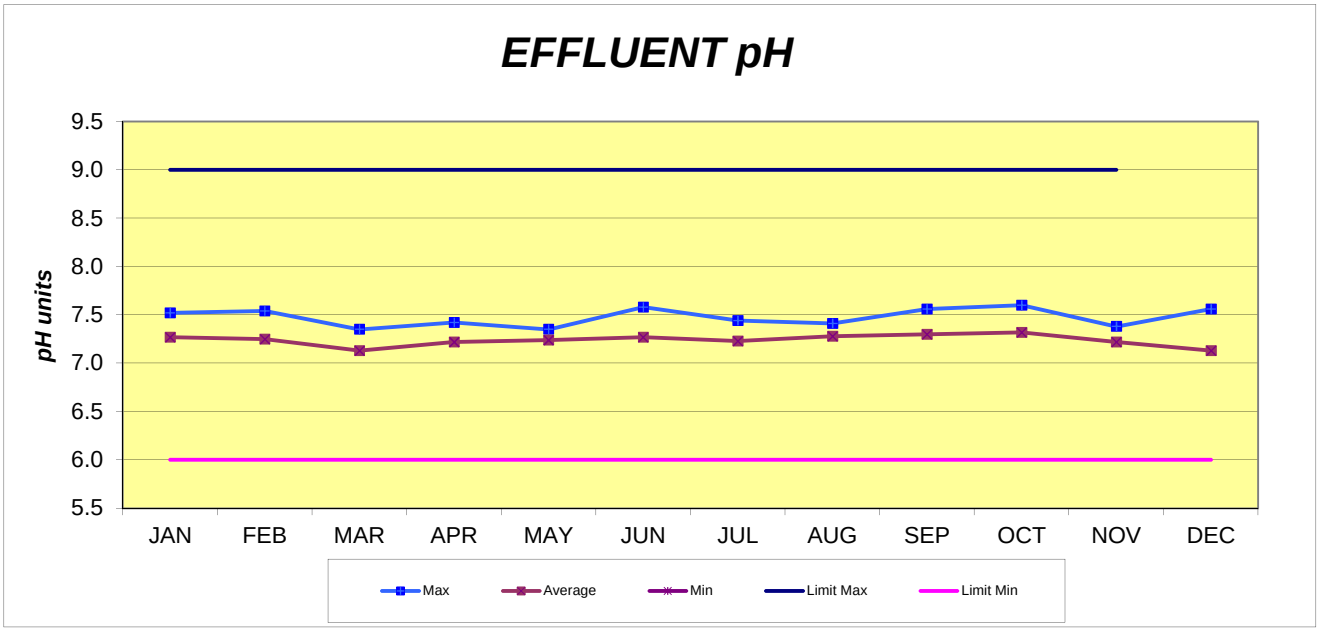

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	9	9	9	9	9	9	9	9	9	9	9	9
Limit Min	6	6	6	6	6	6	6	6	6	6	6	6
Max	7.5	7.5	7.4	7.4	7.4	7.6	7.4	7.4	7.6	7.6	7.4	7.6
Average	7.3	7.3	7.1	7.2	7.2	7.3	7.2	7.3	7.3	7.3	7.2	7.1
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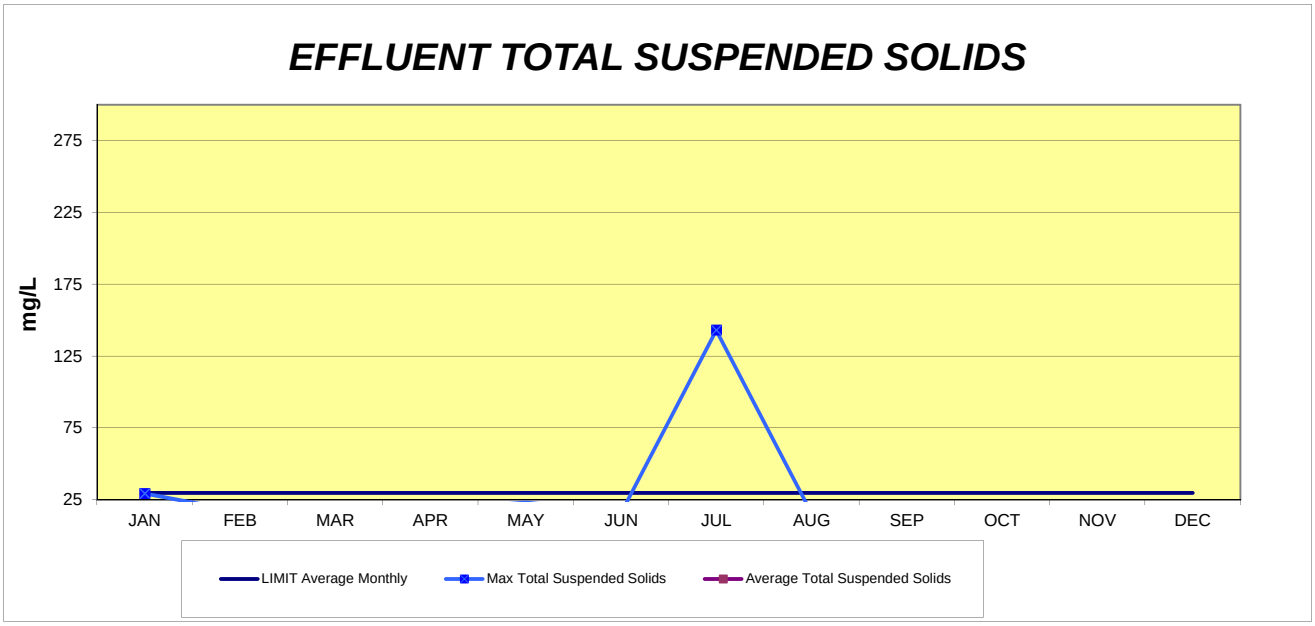

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	30	30	30	30	30	30	30	30	30	30	30	30
Max	29	17	14	18	23	16	143	16	18	17	18	18
Average	12	12	11	11	9	9	15	10	11	9	10	10

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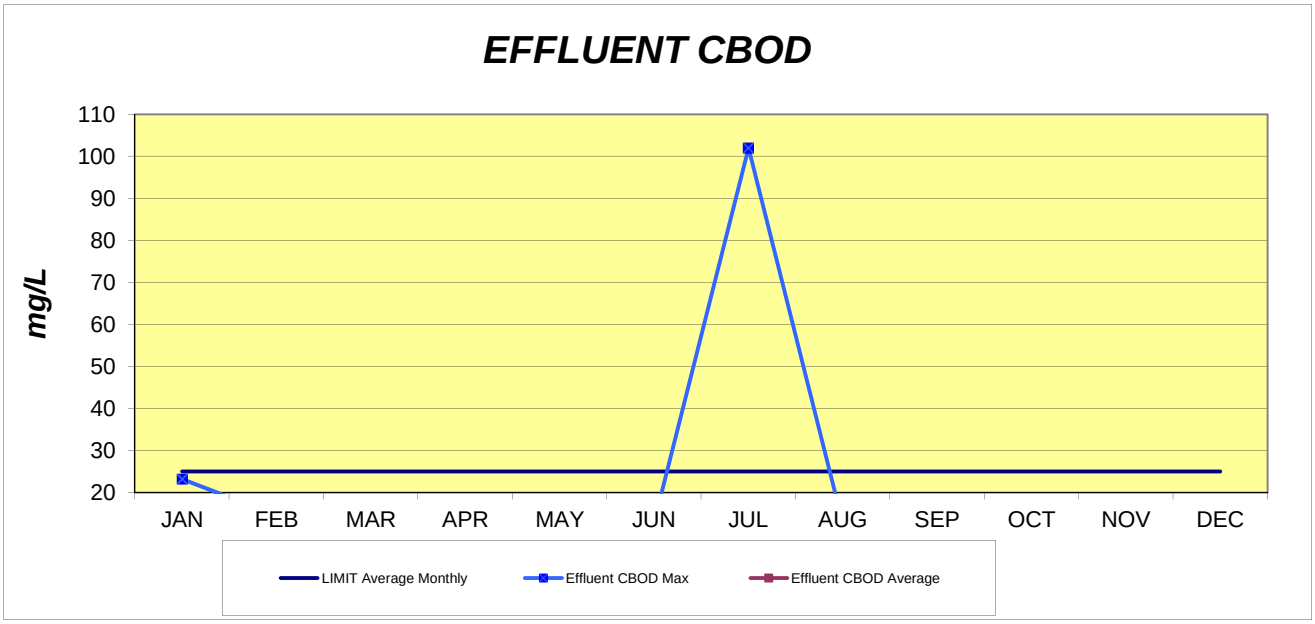

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	25	25	25	25	25	25	25	25	25	25	25	25
Max	23	15	13	14	19	13	102	13	14	14	15	15
Average	11	10	9	9	8	8	13	9	9	8	8	8

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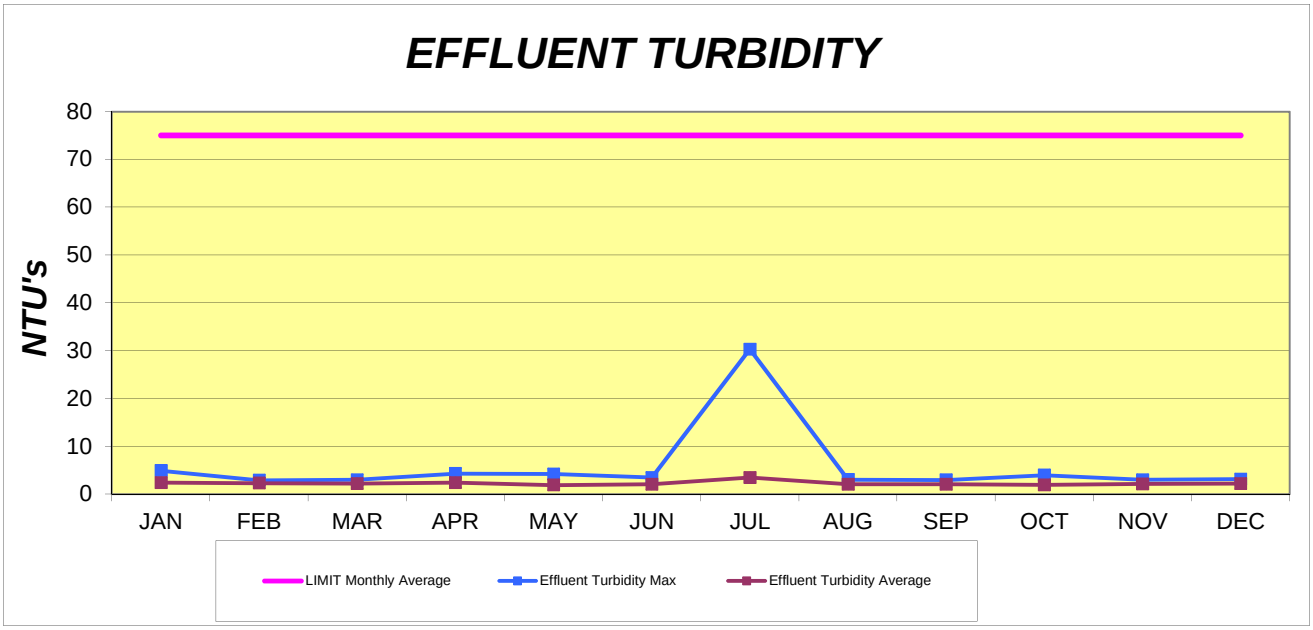

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	75	75	75	75	75	75	75	75	75	75	75	75
Max	4.9	2.9	3.0	4.3	4.2	3.5	30.3	3.0	3.0	4.0	3.0	3.1
Average	2.4	2.3	2.2	2.4	1.9	2.1	3.5	2.1	2.1	2.0	2.1	2.2

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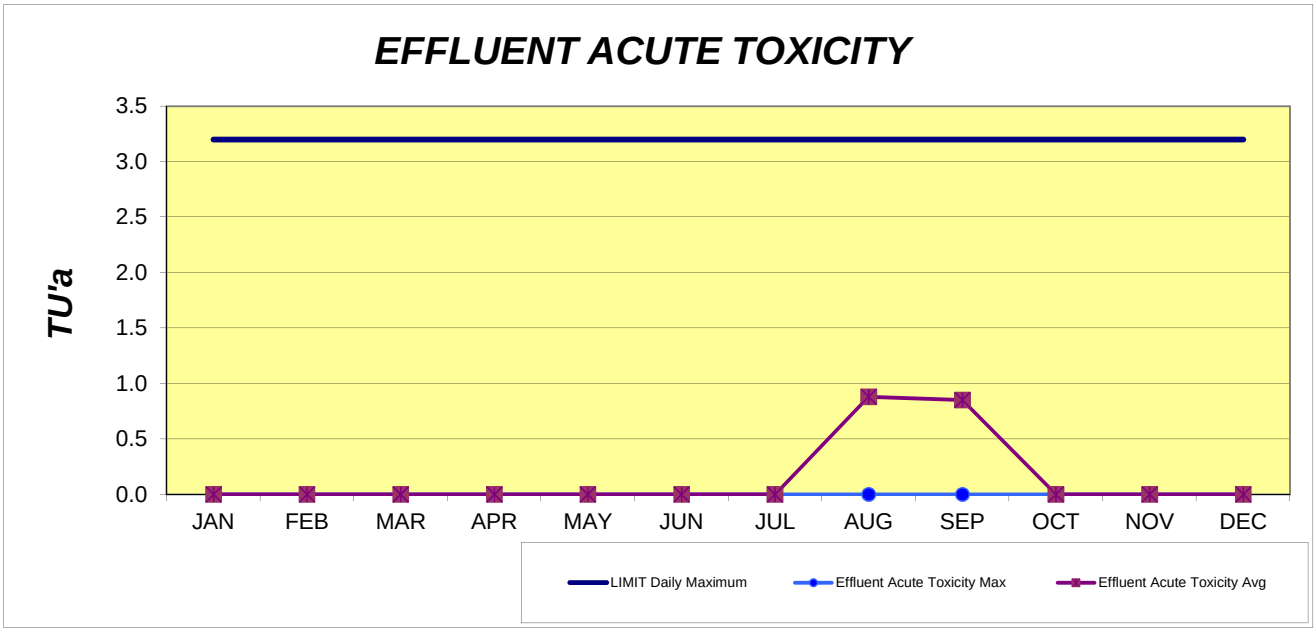

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0

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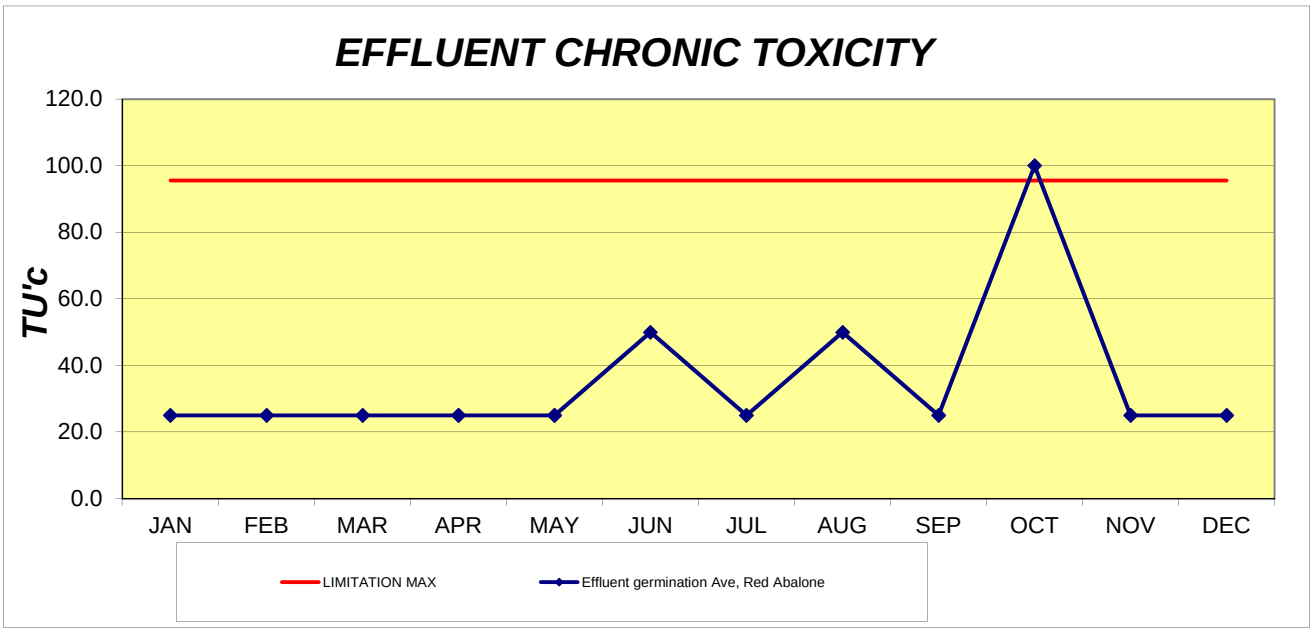

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
Red Abalone, Germ.	25.0	25.0	25.0	25.0	25.0	50.0	25.0	50.0	25.0	100.0	25.0	25.0

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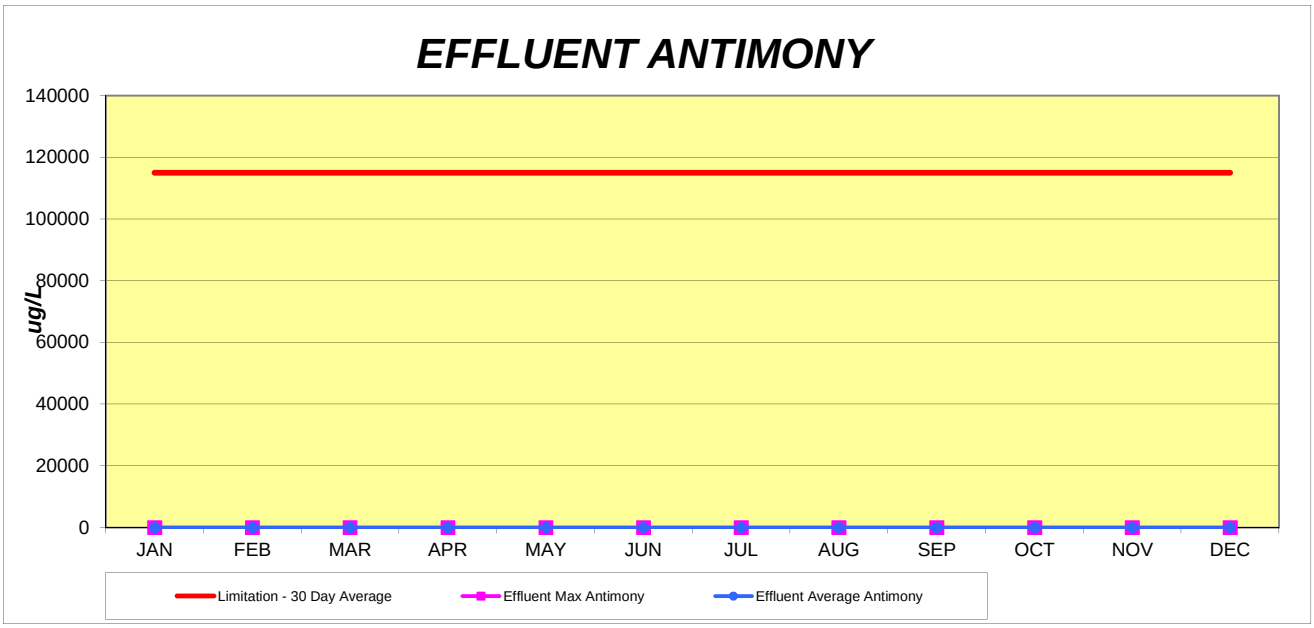

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000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

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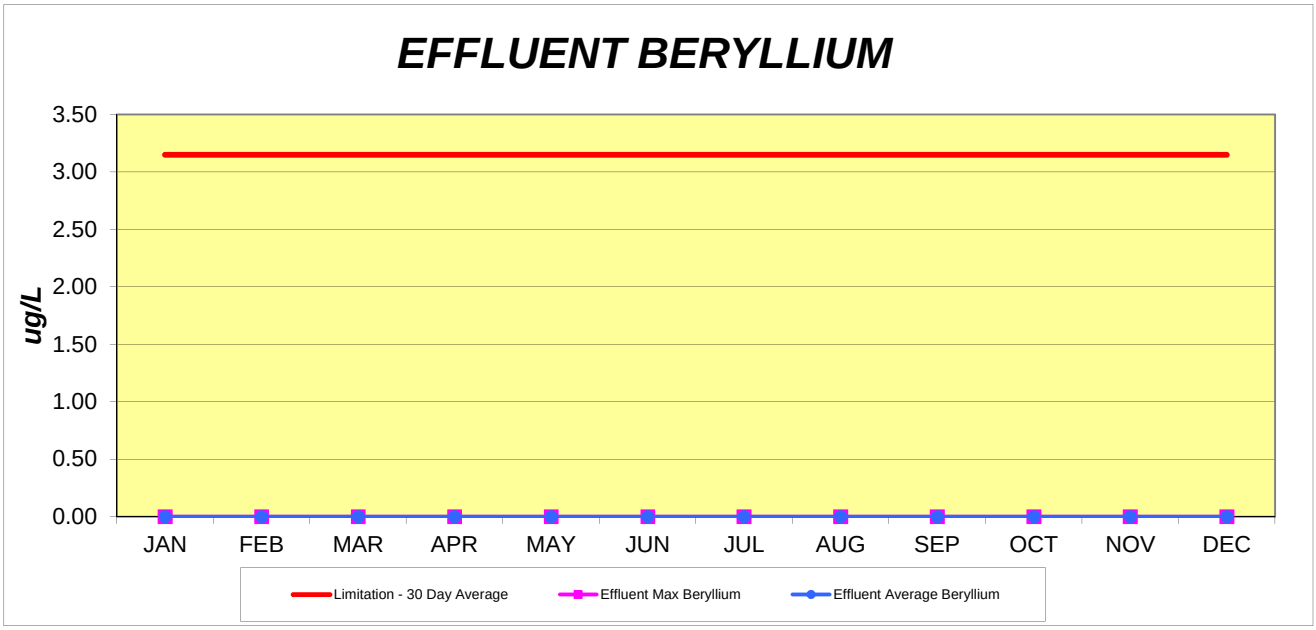

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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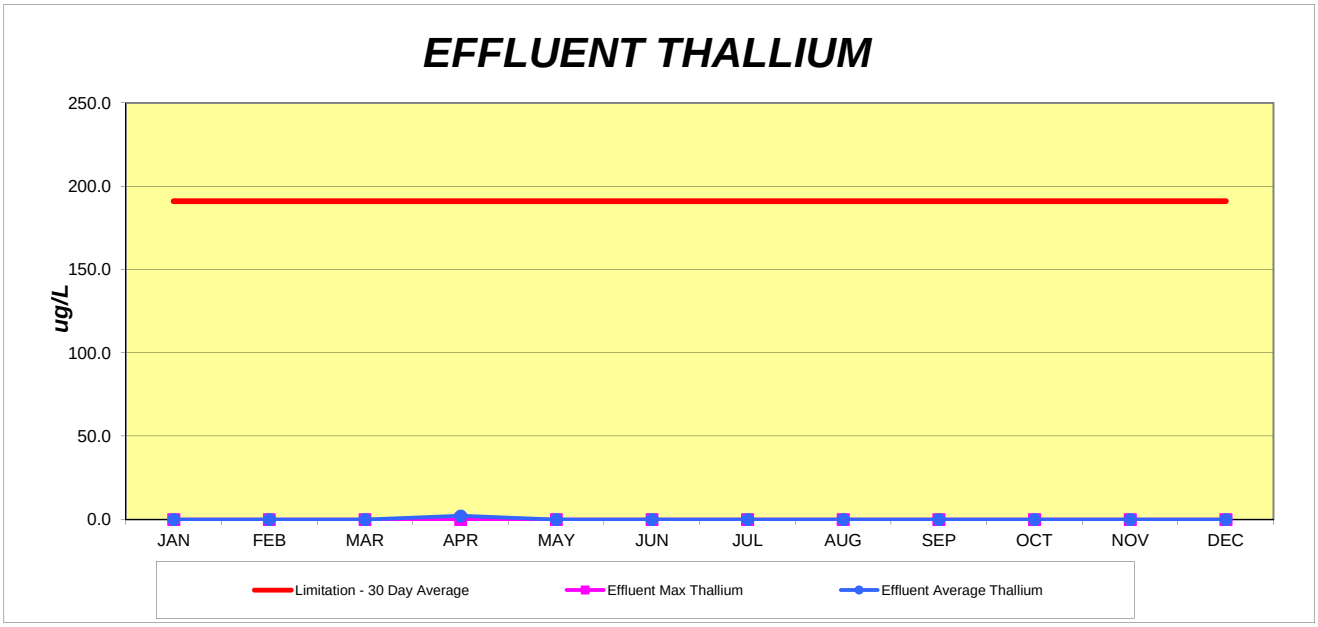

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	2.2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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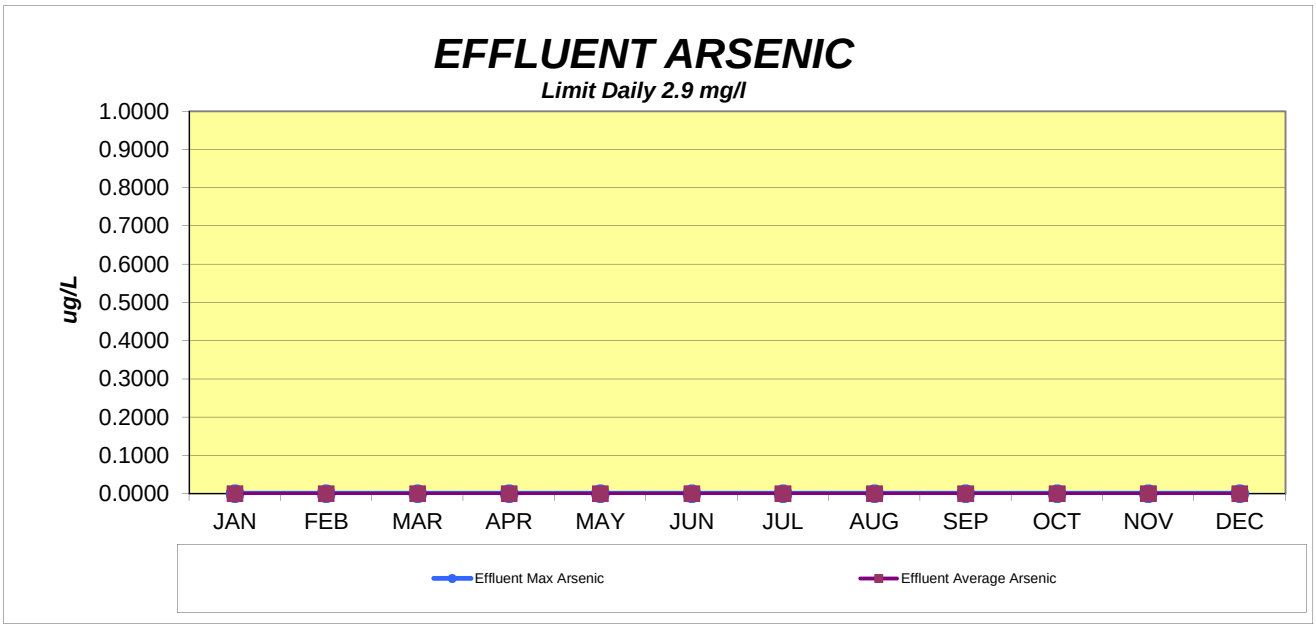

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000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

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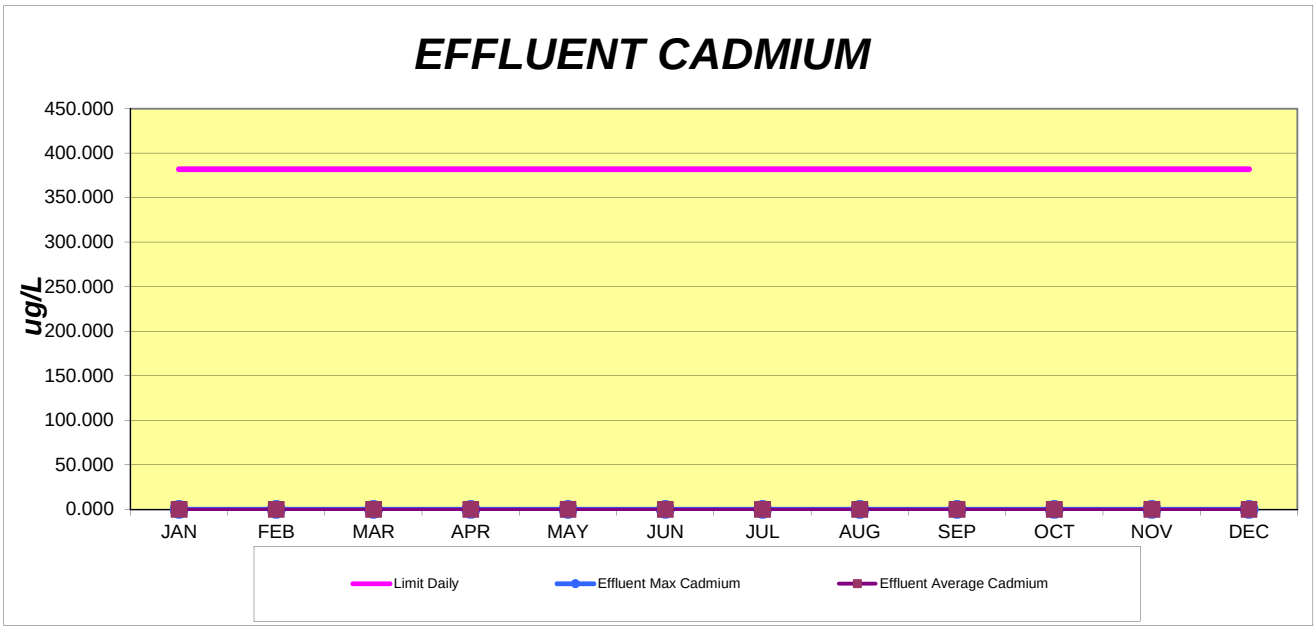

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000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

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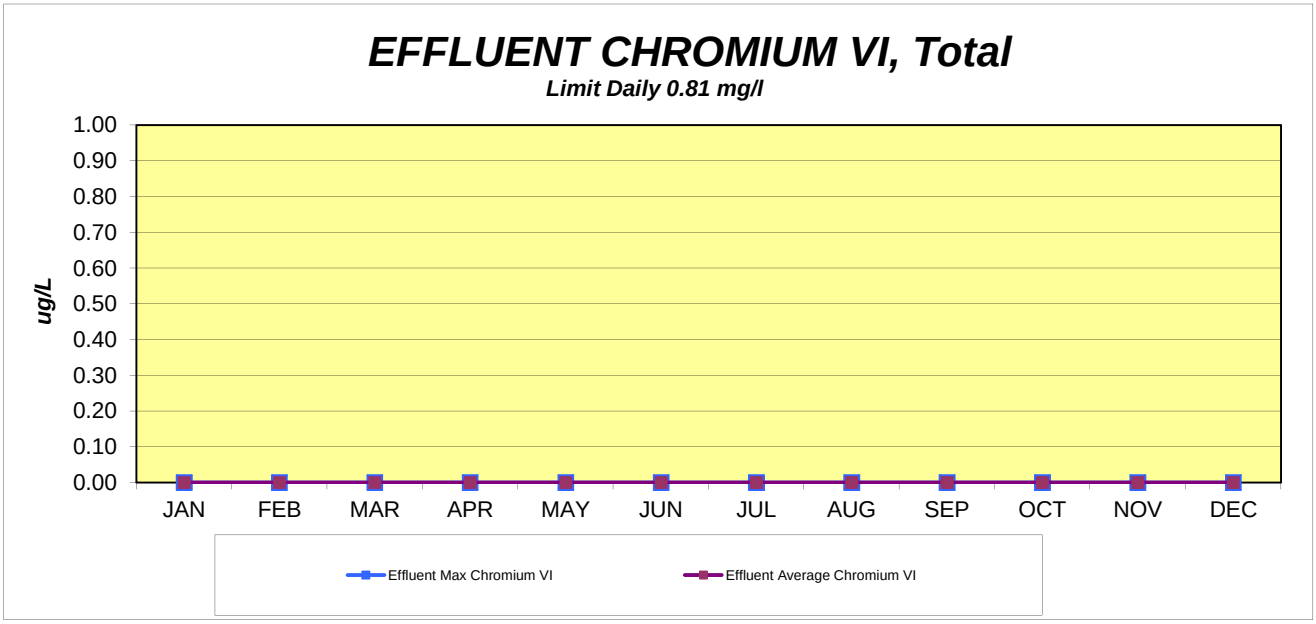

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000

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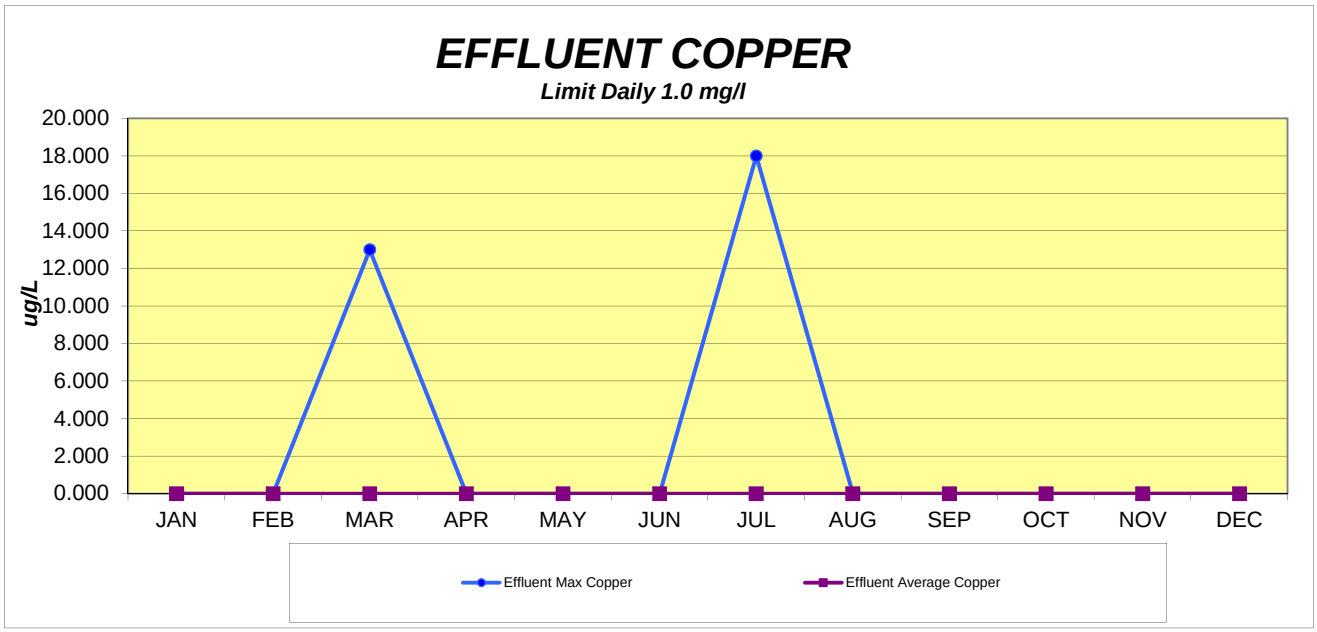
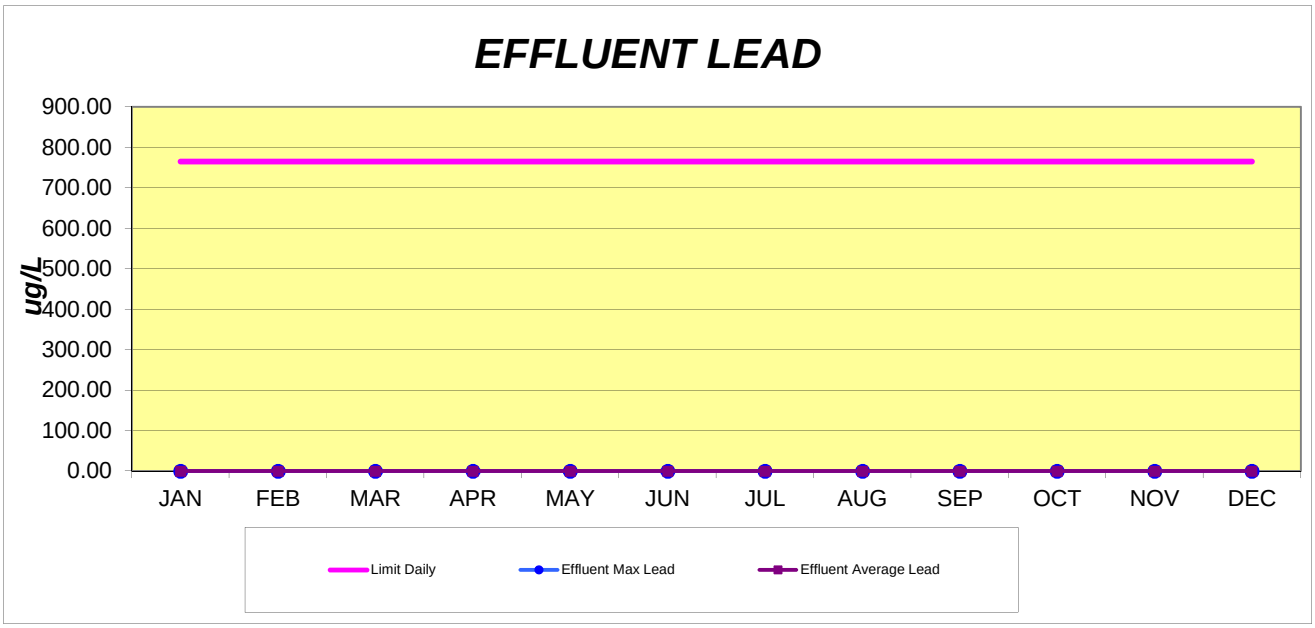


	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0
Max	0.000	0.000	13.000	0.000	0.000	0.000	18.000	0.000	0.000	0.000	0.000	0.000
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

International Boundary and Water Commission

South Bay International WTP

2015 Annual NPDES Report



	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	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

International Boundary and Water Commission

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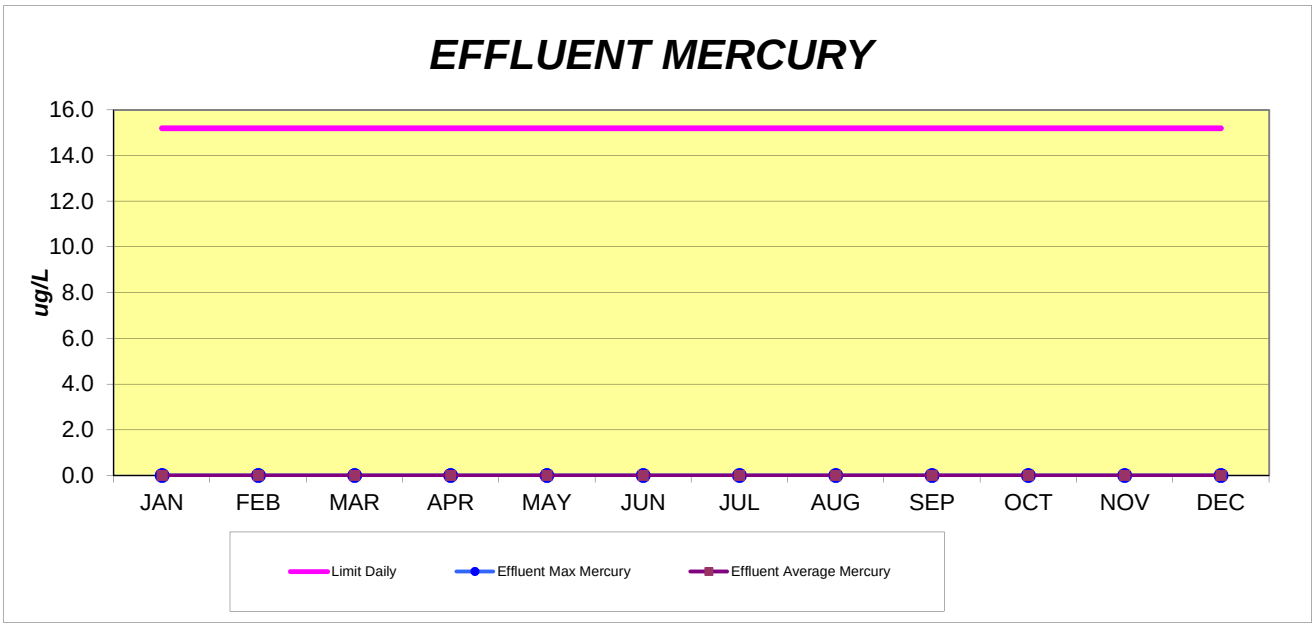
2015 Annual NPDES Report



	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

International Boundary and Water Commission

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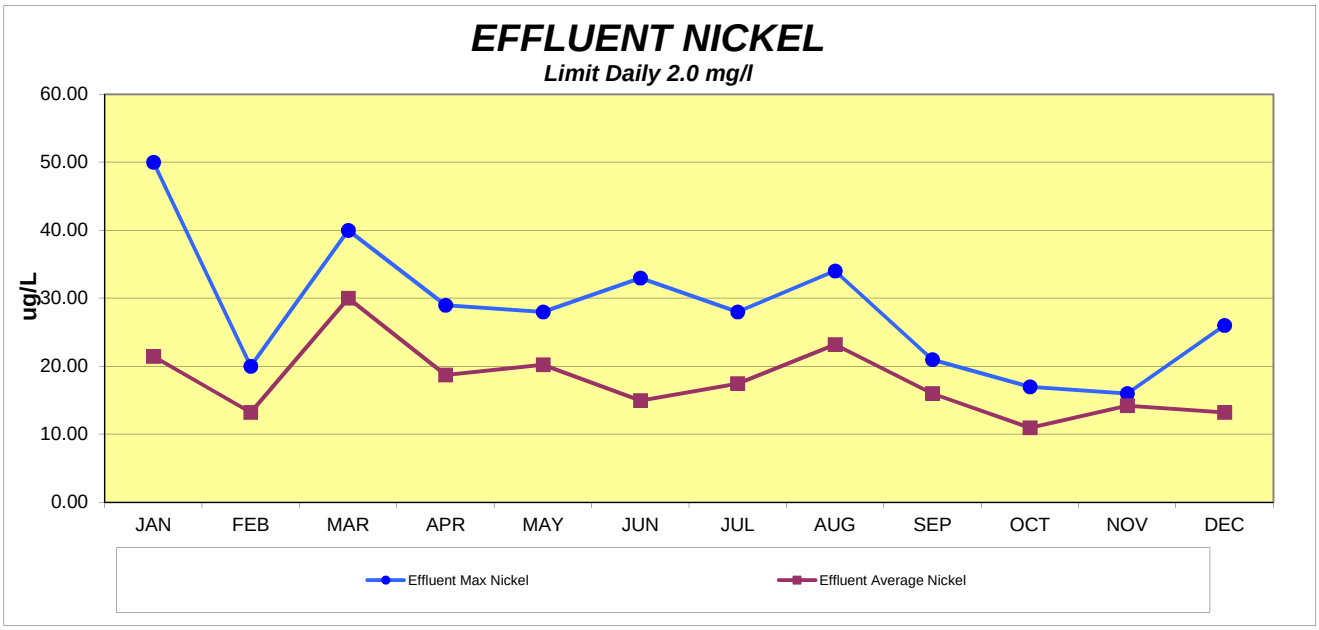

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0
Max	50.00	20.00	40.00	29.00	28.00	33.00	28.00	34.00	21.00	17.00	16.00	26.00
Average	21.48	13.23	30.00	18.73	20.25	14.96	17.48	23.20	16.00	10.98	14.20	13.23

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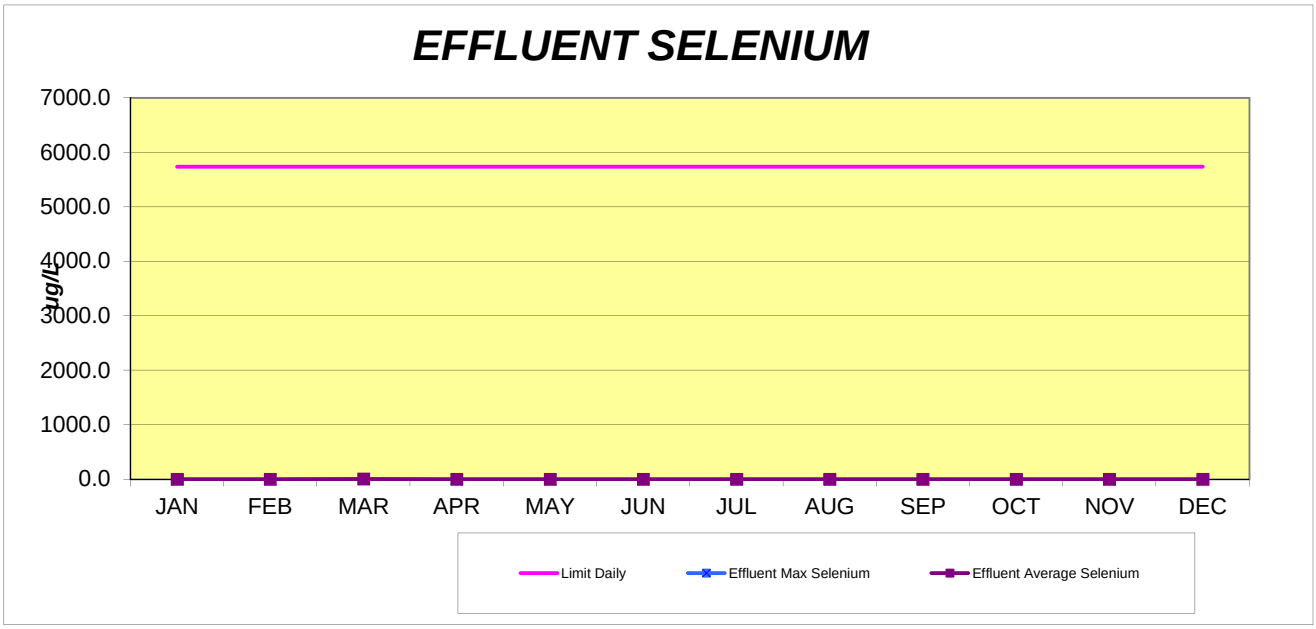

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	2.6852	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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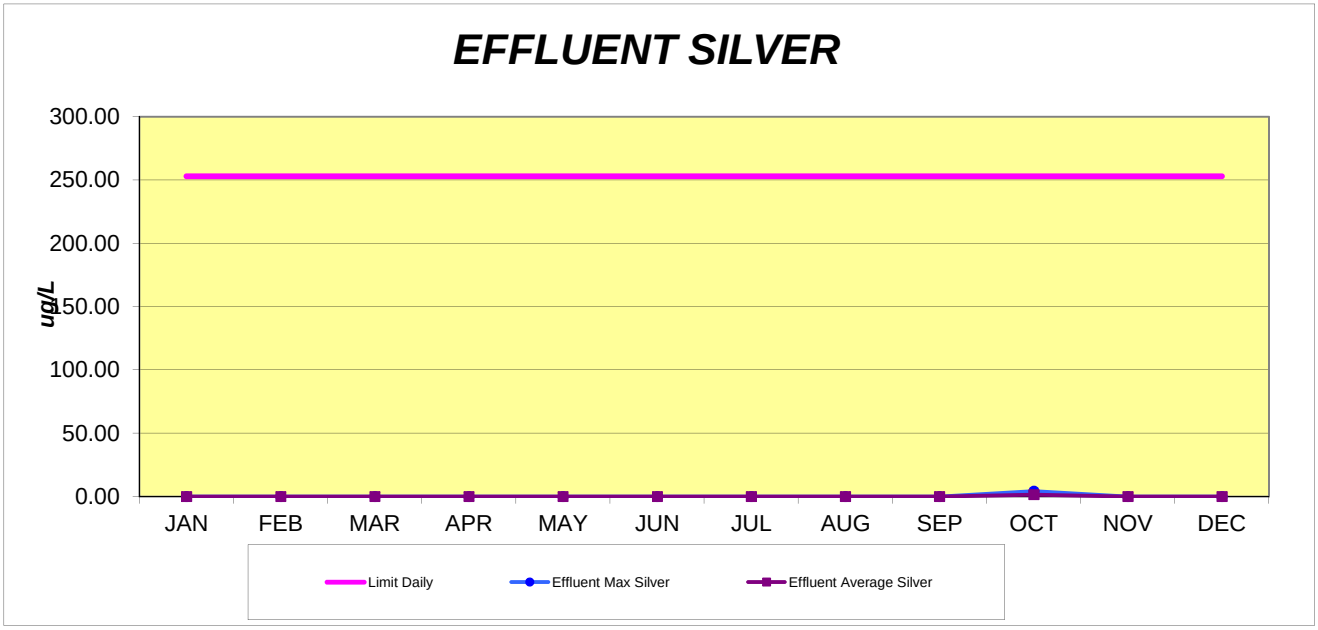

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.300	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.600	0.000	0.000

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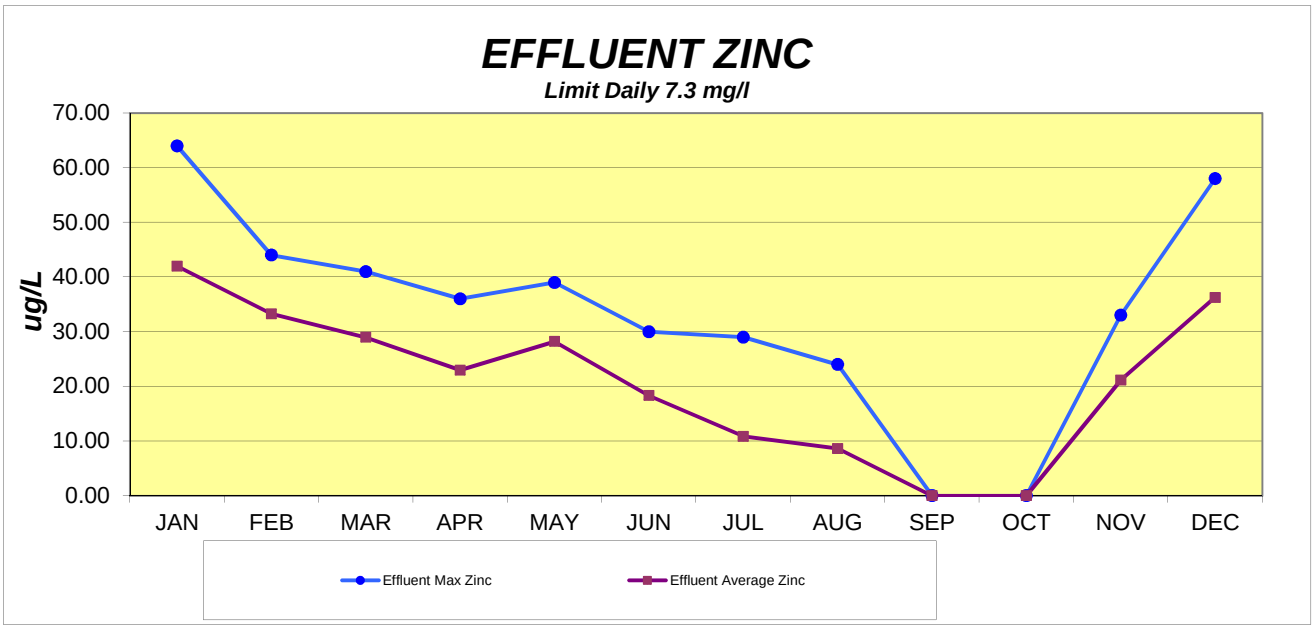

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0
Max	64.00	44.00	41.00	36.00	39.00	30.00	29.00	24.00	0.00	0.00	33.00	58.00
Average	42.00	33.25	28.96	22.95	28.20	18.32	10.85	8.64	0.00	0.00	21.12	36.25

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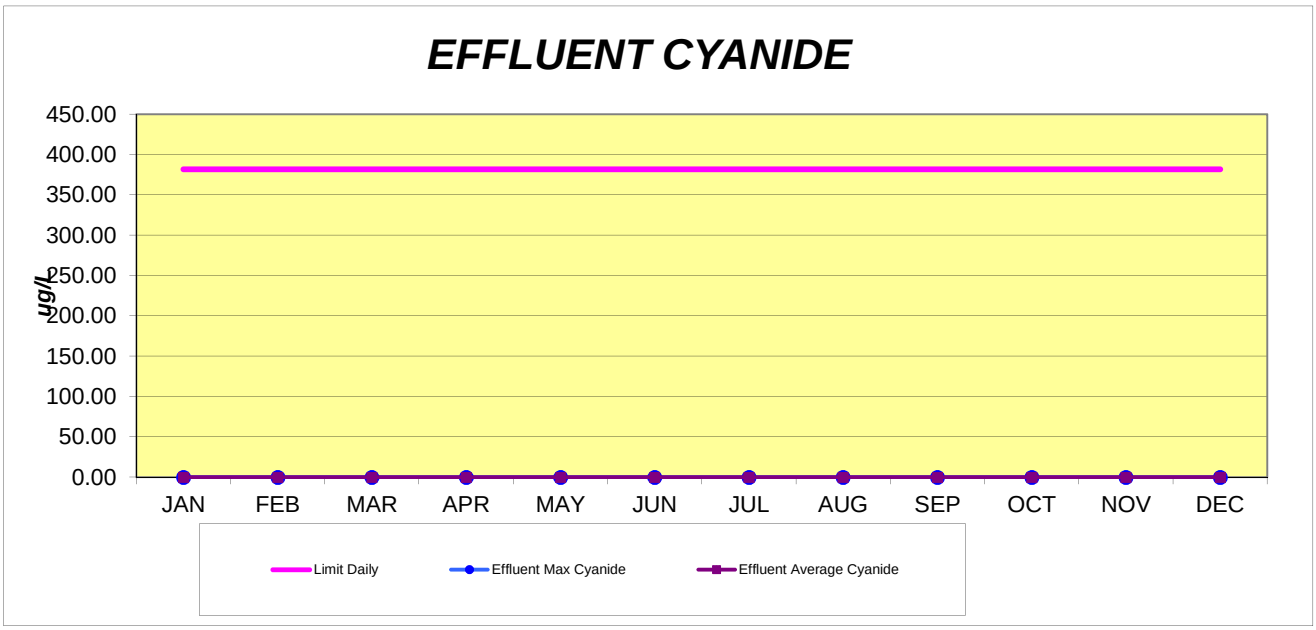

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

International Boundary and Water Commission

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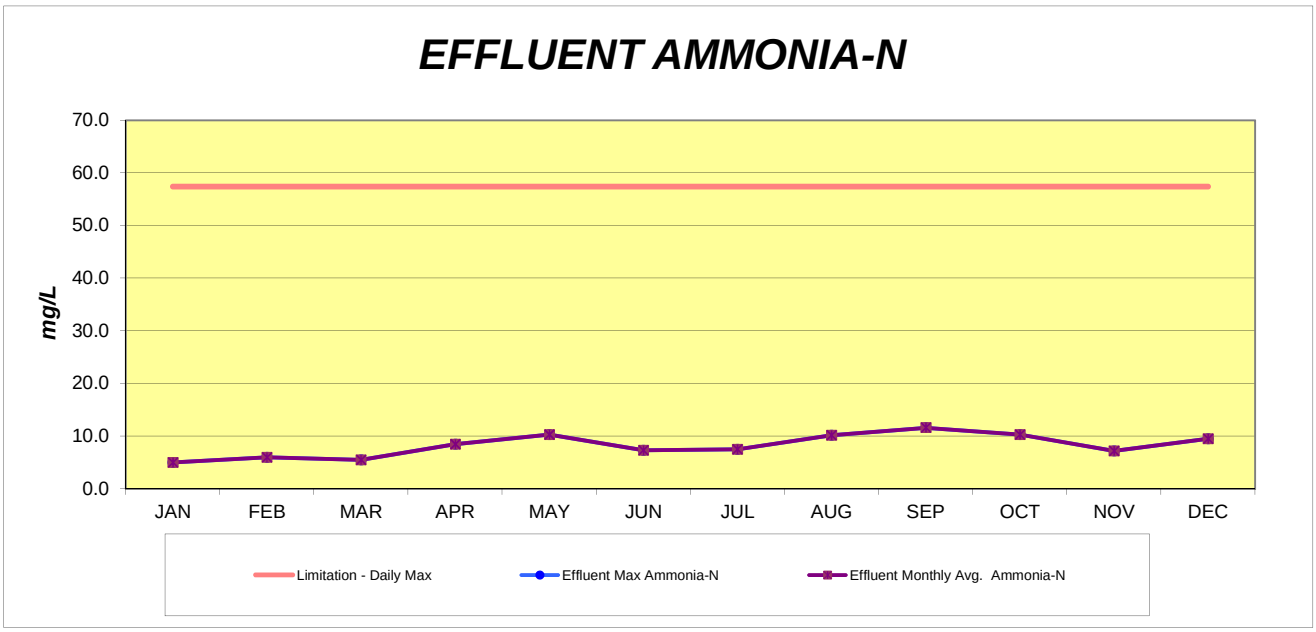
2015 Annual NPDES Report

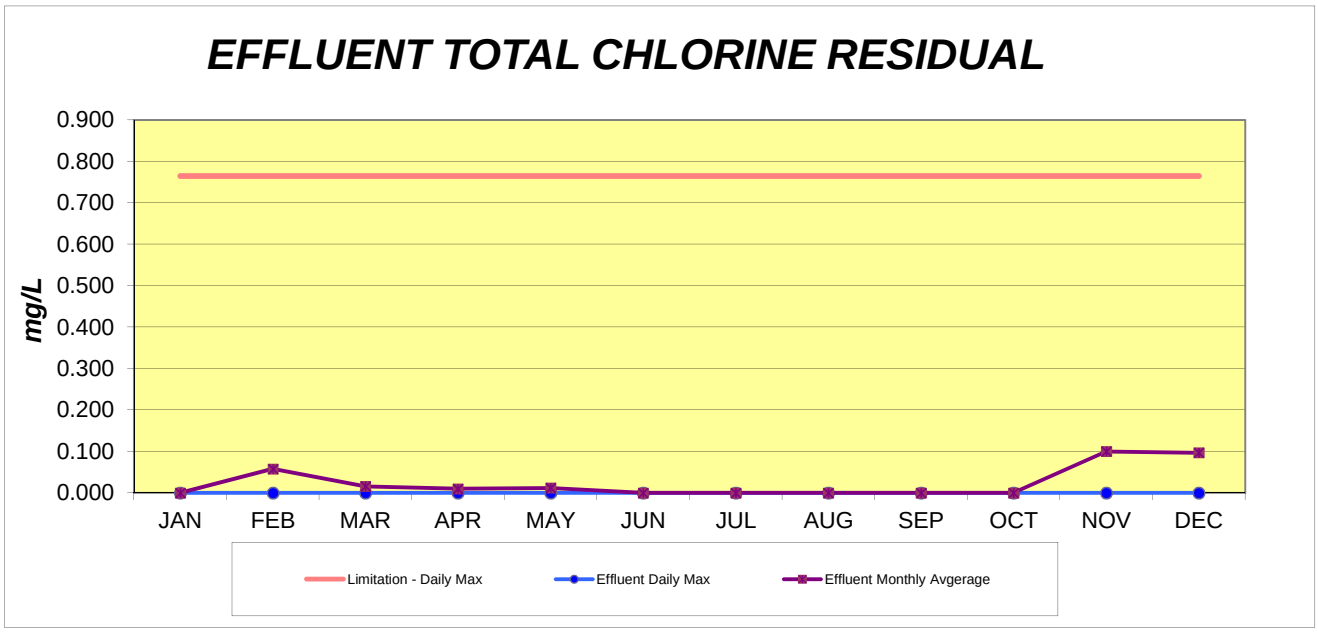


	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Daily Max	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
Max	5.0	6.0	5.5	8.5	10.3	7.3	7.5	10.2	11.6	10.3	7.2	9.5
Monthly Avg.	5.0	6.0	5.5	8.5	10.3	7.3	7.5	10.2	11.6	10.3	7.2	9.5

International Boundary and Water Commission

South Bay International WTP

2015 Annual NPDES Report



	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Monthly Avg.	0.00	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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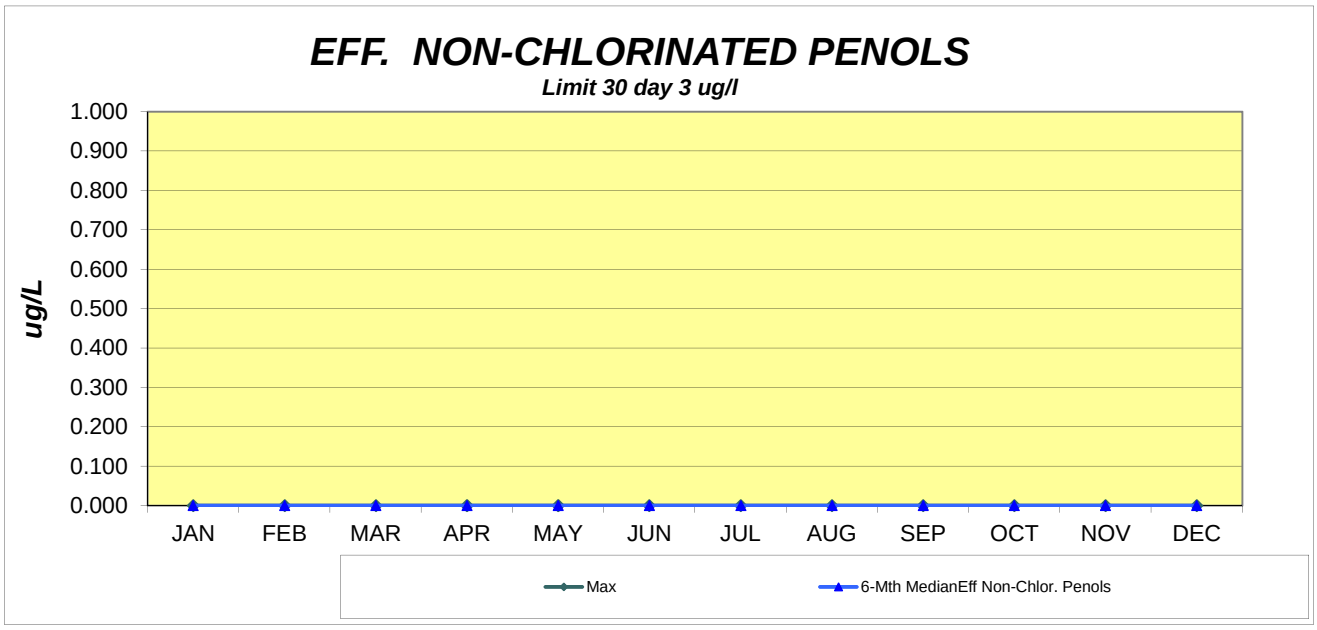

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6- Mth Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

International Boundary and Water Commission

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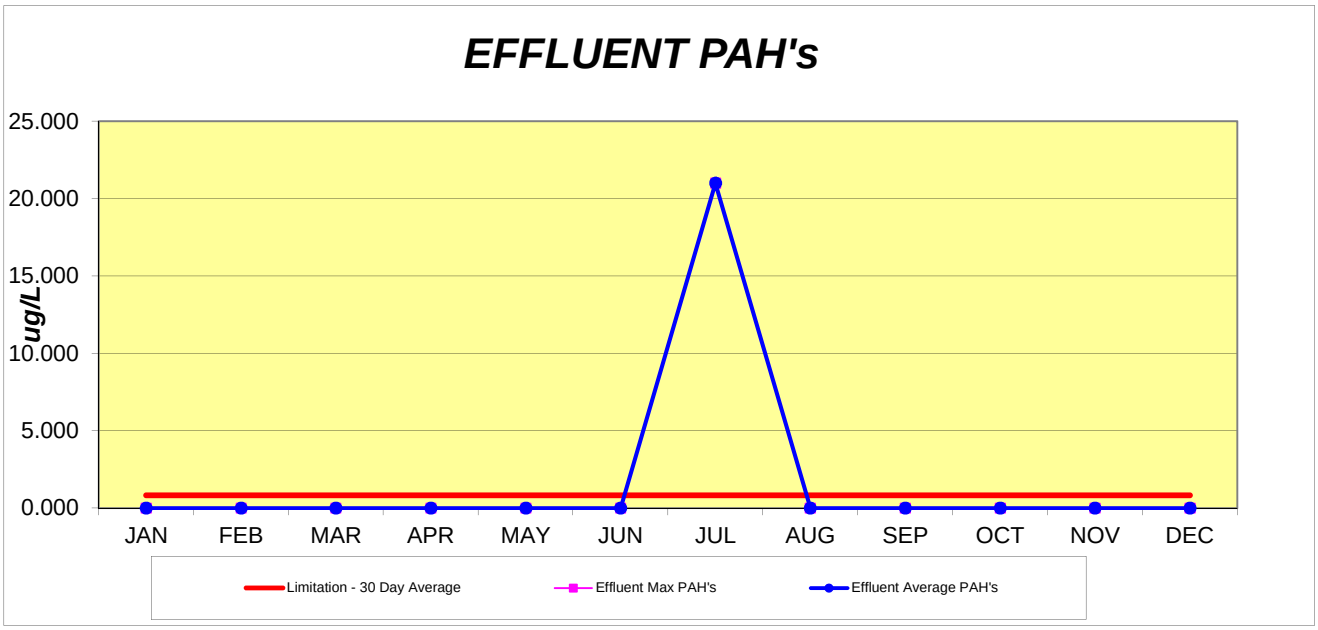

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841
Max	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00

International Boundary and Water Commission

South Bay International WTP

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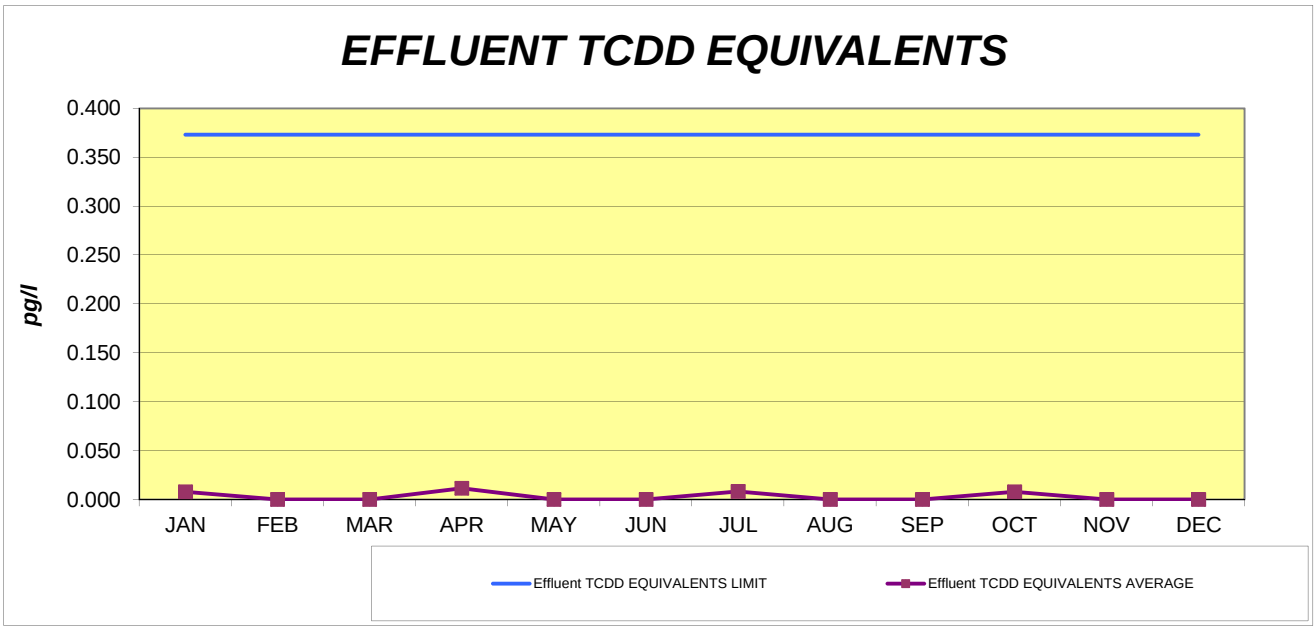

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373
Average	0.008	0.000	0.000	0.012	0.000	0.000	0.008	0.000	0.000	0.008	0.000	0.000

International Boundary and Water Commission

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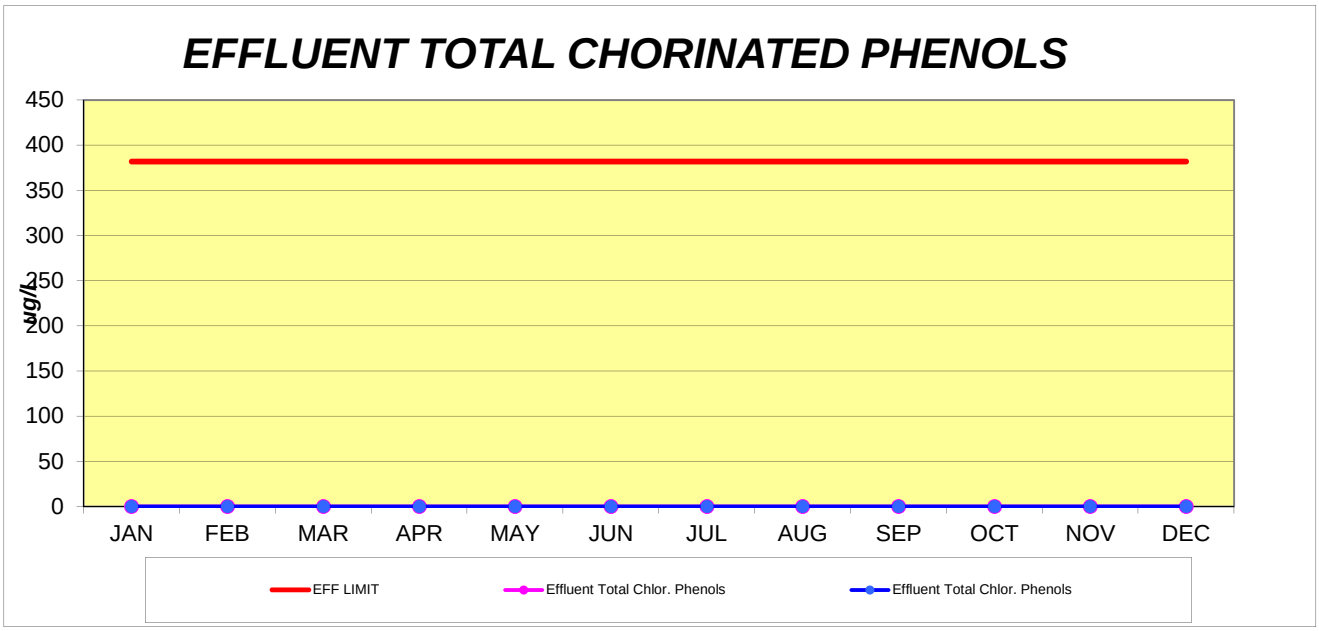

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Daily Max	382	382	382	382	382	382	382	382	382	382	382	382
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Monthly Avg.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

International Boundary and Water Commission

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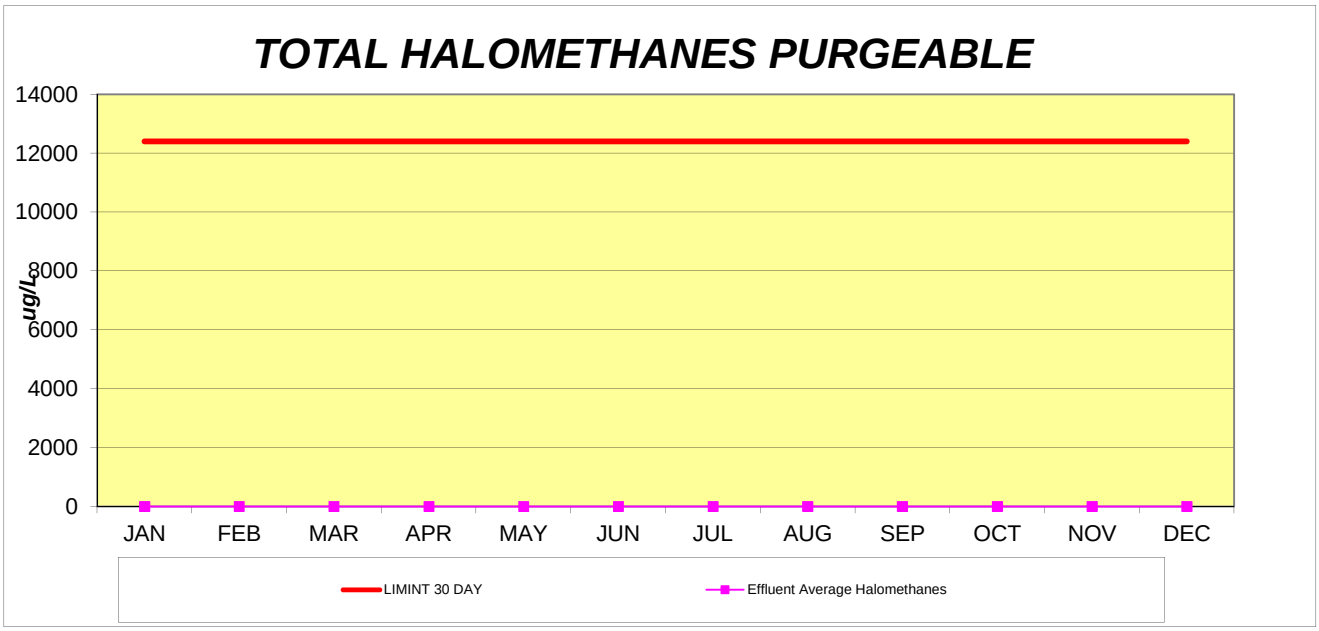

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
LIMINT 30 DAY	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
Effluent Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

South Bay International Wastewater Treatment Plant

2015

Annual Monitoring Report

NPDES Permit CA 0108928

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

June 30, 2016

Prepared By

Rich Perna

Plant Superintendent
Veolia Water North America – West LLC

June 30, 2016

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Effluent Nickel 65

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Discussion of the Monitoring and Reporting Program

Monitoring

Influent Constituents

The testing of the influent from the City of Tijuana was conducted from January through December 2015. All samples were collected by the Plant's staff and tested by Sierra Analytical Laboratory, in accordance with Standard Methods.

Effluent Constituents

The testing of the effluent from the City of Tijuana was conducted from January through December 2015. All samples were collected by the Plant's staff and tested by Sierra Analytical Laboratory and Pacific EcoRisk, in accordance with Standard Methods. The effluent was discharged through the Ocean Outfall.

Reporting

Monthly Reports were submitted to the Regional Water Quality Control Board, as per provision of the NPDES permit.

Plant Personnel

The current roster for the operation and maintenance of the South Bay International Wastewater Treatment Plant is as follows:

Plant Manager	Richard Perna, Project Manager
Certification	Grade V, WWTPO #V-9478
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Oper. Manager Robert Nienhuis, Operations Manager

Certification	Grade V, WWTPO #V-5042
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Maintenance Mgr.	Rick Barclay, Maintenance Manager
Certification	Grade III Mechanical Tech, Cert # 131 Grade IV Plant Maintenance Tech, Cert # 00015401
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Shift SupervisorRenato Bartolome, Shift Supervisor

Certification	Grade V, WWTPO #V-9718
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Shift SupervisorJames Bryant, Shift Supervisor

Certification	Grade V, WWTPO, #V-9750
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Operator	Joe Del Monte, Shift Supervisor
Certification	Grade V, WWTPO #V-7870
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Shift SupervisorSteven Bates, Shift Supervisor

Certification	Grade IV, WWTPO, #IV-42759
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Shift SupervisorBrian Moe, Shift Supervisor

Certification	Grade III, WWTPO, #III-27934
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Shift SupervisorAntonio Martinez, Shift Supervisor

Certification	Grade III, WWTPO, #III-28150
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Operator	Cesar Santos, Operator
Certification	Grade III, WWTPO #III-10418
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Operator	Eugene Casados Jr., Operator
Certification	Grade III, WWTPO #III-10585
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Operator	Hal Van Horn, Operator
Certification	Grade II, WWTPO #II-8767
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Operator	William Broadhead, Operator
Certification	Grade III, WWTPO #III-28644
Job Description	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Operator	Joel Emens, Operator
Certification	Grade I, WWTPO #I-41189
Job Certification	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Operator	Jacob Schmidt, Operator in Training
Certification	Grade I OIT
Job Certification	Responsible for the Operation and Maintenance of the South Bay International WWTP and the U.S. wastewater collection and pump stations that convey the City of Tijuana runoff.

Operator	Renato Dizon, Maintenance Mechanic
Certification	Grade II, WWTPO # II-10613
Job Description	Responsible for the O & M of plant equipment and pump stations. Also provides O & M support at the South Bay International WWTP.

Operator	Bernabe Balatero, Maintenance Mechanic
Certification	Grade II, WWTPO # II-10612
Job Description	Responsible for the O & M of plant equipment and pump stations. Also provides O & M support at the South Bay International WWTP

Mechanic	Manual Galinato, Maintenance Mechanic
Certification	None
Job Description	Responsible for the O & M of plant equipment and pump stations. Also provides O & M support at the South Bay International WWTP

Mechanic	Mark McGee, Maintenance Mechanic
Certification	None
Job Description	Responsible for the O & M of plant equipment and pump stations. Also provides O & M support at the South Bay International WWTP

Mechanic	Tony Espinoza, Maintenance Mechanic
Certification	None

Job Description	Responsible for the O & M of plant equipment and pump stations. Also provides O & M support at the South Bay International WWTP

Hvy. Equipment Op.	Kurt Schmidt
Certification	None
Job Description	Responsible for the O & M of the canyon collectors and pumps stations. Also provides O & M support at the South Bay International WWTP.

E & I Technician	Timothy McNulty
Certification	None
Job Description	Responsible for the inspection and repair of electronic equipment in support of O & M of the South Bay International WWTP and the U.S. wastewater collection and pump stations.

I & C Technician	Rodel Resurreccion
Certification	None
Job Description	Responsible for the inspection and repair of electronic equipment in support of O & M of the South Bay International WWTP and the U.S. wastewater collection and pump stations.

Scada Sys. Analyst	Victor Gurule
Certification	None
Job Description	Responsible for FISMA compliance and SCADA System functioning and management in support of Operations and Maintenance at the South Bay International WWTP and the U.S. wastewater collection and pump stations.

Office Manager	Irma Robles
Certification	None
Job Description	Responsible for the Accounting, Payroll, Human Resources and all other office procedures for the South Bay International WWTP as assigned by staff.

Operations and Maintenance Manual

The O & M manuals for the South Bay International Wastewater Treatment Plant were last updated in January 2011.

The Master Set of these O & M manuals is redlined to reflect changes in the field.

These manuals are complete and valid for the current facilities CC-1, CC-2, CC-2B, CC-3, CC-4A and CC-4B.

Identification of Laboratory Performing Analysis

Veolia Water performed all sampling tasks along with pH and Total Chlorine Residual testing. Laboratory services for sample pick up and analysis was contracted to the Environmental Laboratories.

Listed below are the California State Certified Laboratories

From January through December 2015 the laboratory analysis was performed by:

Sierra Laboratories
26052 Merit Circle
Laguna Hills, CA 92653

Pacific Eco Risk
2250 Cordelia Road
Fairfield, CA 94534

Veolia – IBWC SBIWTP Laboratory
2995 Clearwater Way
San Diego, CA 92154

Plant Removal Efficiencies

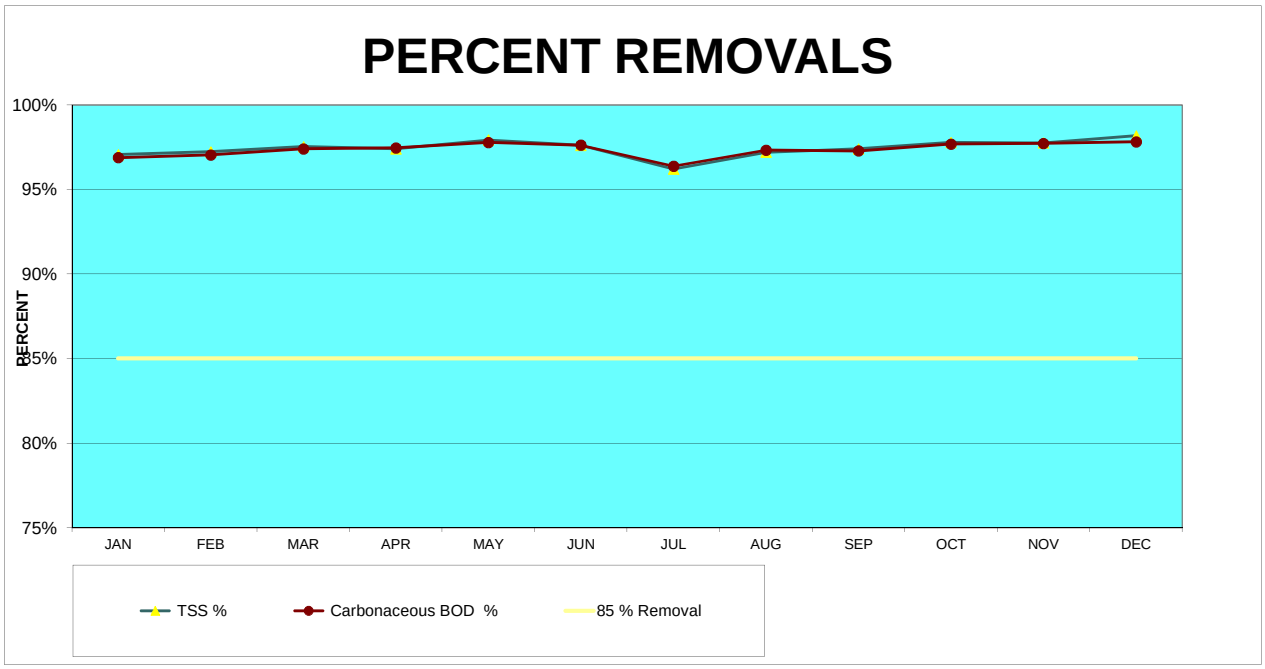
2015 PLANT PROCESS REMOVAL EFFICIENCIES

SOUTH BAY INTERNATIONAL WTP

ADVANCED PRIMARY CLARIFICATION

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVERAGE %
TSS	%	97%	97%	98%	97%	98%	98%	96%	97%	97%	98%	98%	98%	**97%**
Carbonaceous BOD	%	97%	97%	97%	97%	98%	98%	96%	97%	97%	98%	98%	98%	**97%**

2015 PLANT PROCESS REMOVAL EFFICIENCIES



TABULATION OF THE

INFLUENT CONSTITUENTS

TABULATION OF THE INFLUENT CONSTITUENTS

SOUTH BAY INTERNATIONAL WTP

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

	Units	Limitations	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
			Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
INFLUENT NPDES															
Influent flow	mgd		28.45	28.30	28.93	29.03	29.55	29.38	28.94	29.15	28.78	28.28	29.10	29.49	28.95
GRAB SAMPLES / OIL & GREASE															
Settleable Solids	ml/L		6.13	7.90	7.70	6.88	5.08	8.58	8.95	6.90	6.08	6.48	7.20	7.08	7.08
weekly (7 day) average	ml/L		5.66	7.66	7.56	7.23	5.28	7.84	9.73	6.98	6.28	6.35	7.17	7.12	7.07
pH	SU		7.30	7.34	7.28	7.38	7.38	7.24	7.37	7.36	7.33	7.28	7.32	7.49	7.34
Oil/grease	mg/L		24.18	24.00	18.88	19.85	19.70	17.64	22.20	20.66	20.08	18.23	19.94	18.50	20.32
weekly (7 day) average	mg/L		23.72	23.81	18.35	20.34	19.88	17.61	21.02	21.30	20.34	18.17	19.67	18.82	20.25
Temperature	c		17.47	18.74	19.37	20.11	20.90	22.08	24.24	25.00	26.43	25.22	20.84	18.59	21.58
COMPOSITE ANALYSES															
Total Suspended Solids	mg/L		420.26	425.68	424.23	404.93	414.84	384.87	398.42	358.45	405.20	416.81	463.60	529.16	421
weekly (7 day) average	mg/L		411.19	425.99	425.60	408.85	412.60	386.96	399.87	358.19	379.91	433.05	458.30	531.91	419
Volatile Suspended Solids	mg/L		289.42	305.54	310.26	299.97	303.61	289.97	297.71	271.87	283.30	307.10	333.60	330.74	302
BOD	mg/L		403.74	403.50	419.52	415.50	416.10	391.40	407.48	371.42	386.53	406.68	429.73	438.97	408
Soluble BOD	mg/L														
Carbonaceous BOD (CBOD)	mg/L		341.35	344.07	356.84	360.20	356.71	336.57	348.00	318.94	328.70	348.10	366.70	363.84	348
weekly (7 day) average	mg/L		337.57	342.55	355.59	363.14	354.91	338.43	348.99	319.10	325.28	350.41	360.83	364.48	347
Floatables	mg/L		6.18	8.13	7.82	7.03	5.18	8.74	9.08	7.00	6.18	6.58	7.16	7.25	7.19
Total Dissolved Solids	mg/L		1,652.50	1,700.00	1,586.00	1,575.00	1,542.50	1,566.00	1,455.00	1,590.00	1,655.00	1,565.00	1,648.00	1,587.50	1594
Turbidity	NTU		186.00	244.25	266.60	271.50	216.25	194.40	225.75	201.40	199.25	200.00	209.20	210.25	219
weekly (7 day) average	NTU		191.32	243.46	265.65	273.75	219.52	191.97	217.61	207.52	200.37	200.74	191.90	226.58	219
Ammonia-N	mg/L		52.30	52.30	40.70	54.00	52.30	54.00	54.50	50.50	50.10	56.00	45.90	49.50	51.0
COD Chemical Oxygen Demand	mg/L														
T.S. Total Solids	mg/L														
T.V. Volatile Solids	mg/L														

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
METALS AND CYANIDE		6-MTH M	Mthly Avg	MAX													
Antimony	ug/l				0.00			0.00			0.00			0.00			0
	Lbs/day				0.83			1.07			0.93			0.95			0.946141725
Arsenic	ug/l		24		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
	lbs/day		5		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Beryllium	ug/l		2.5		0.00			0.00			0.00			0.00			0
	lbs/day		0.520		0.00			0.00			0.00			0.00			0
Cadmium	ug/l		61		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
	lbs/day		13		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Chromium Total	ug/l		1100		0.00	0.00	3.96	2.85	2.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79875
	lbs/day		230		0.00	0.00	0.88	0.57	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.167650784
Chromium III *	ug/l				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
Chromium VI	ug/l				18.56	17.50	22.25	16.56	24.31	15.85	18.56	26.25	22.50	31.81	36.00	41.75	24.3245
Copper	ug/l	150			3.77	3.29	4.78	3.46	4.62	3.31	3.67	5.54	4.74	6.43	7.02	8.30	4.912312681
	lbs/day	32			0.7580600	0.6568800	0.9762987	0.7072703	0.9574903	0.6843378	0.7547883	1.1407668	0.9133551	1.2993628	1.4232727	1.7014767	0.9977800
Iron	ug/l																
Lead	ug/l		160		0.00	0.00	0.00	0.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.391666667
	lbs/day		34.000		0.00	0.00	0.00	0.00	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28849589
Mercury	ug/L			5.4	0.00	0.00	0.09	0.00	0.16	0.00	0.00	0.00	0.00	0.33	0.15	0.11	0.070325
	lbs/day			1.1	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.07	0.03	0.02	0.016769485
Nickel	ug/l	440			20.23	12.73	32.80	23.48	23.00	13.34	40.23	32.40	20.25	14.98	17.80	23.50	22.89291667
	lbs/day	93			4.13	2.44	7.17	4.76	4.41	2.91	7.96	6.68	4.35	3.12	3.56	4.66	4.680631304
Selenium	ug/l				0.00	0.00	10.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88
Silver	ug/l	52			0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.00	2.45	1.35	0.00	0.00	0.51875
	lbs/day	11			0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.53	0.29	0.00	0.00	0.11087335
Thallium	ug/l				0.00			2.20			0.00			0.00			0.55
Zinc	ug/l		1100		68.50	50.50	93.20	64.25	101.75	61.60	65.75	69.96	41.95	87.25	101.76	100.25	75.56
	lbs/day		220		13.78	9.63	20.26	13.50	19.83	13.27	12.86	14.82	8.74	17.90	19.51	19.83	15.32689602
Cyanide	ug/l	75			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
	lbs/day	16			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
RADIOACTIVITY																	
Alpha Radiation	pc/L				2.77	3.52	1.33	13.10	8.67	12.00	2.85	6.67	1.42	0.59	1.27	9.05	5.27
Beta Radiation	pc/L				3.73	0.00	3.03	14.60	9.08	9.04	6.04	7.76	0.10	6.13	0.34	0.00	4.99
CHLORINATED PESTICIDES																	
Aldrin	ug/L				0.00			0.00			0.00			0.00			0.00
Dieldrin	ug/L				0.00			0.00			0.00			0.00			0.00
alpha-BHC	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
beta-BHC	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gamma-BHC (Lindane)	ug/L	0.420			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
delta-BHC	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total HCH	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
p,p-DDD	ug/L				0.00			0.00			0.00			0.00			0.00
p,p-DDE	ug/L				0.00			0.00			0.00			0.00			0.00
p,p-DDT	ug/L				0.00			0.00			0.00			0.00			0.00
o,p-DDD	ug/L				0.00			0.00			0.00			0.00			0.00
o,p-DDE	ug/L				0.00			0.00			0.00			0.00			0.00
o,p-DDT	ug/L				0.00			0.00			0.00			0.00			0.00
Total DDT	ug/L				0.00			0.00			0.00			0.00			0.00
Heptachlor	ug/L				0.00			0.00			0.00			0.00			0.00
Heptachlor epoxide	ug/L				0.00			0.00			0.00			0.00			0.00
Total Heptachlor	ug/L				0.00			0.00			0.00			0.00			0.00
Alpha (cis) Chlordane	ug/L				0.00			0.00			0.00			0.00			0.00
Gamma (trans) Chlordane	ug/L				0.00			0.00			0.00			0.00			0.00
Oxychlordane	ug/L				0.00			0.00			0.00			0.00			0.00
trans Nonachlor	ug/L				0.00			0.00			0.00			0.00			0.00
cis Nonachlor	ug/L				0.00			0.00			0.00			0.00			0.00
Total Chlordane	ug/L				0.00			0.00			0.00			0.00			0.00
Alpha Endosulfan	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Beta Endosulfan	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Endosulfan Sulfate	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Endosulfan	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0.00
Endrin	ug/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Endrin aldehyde	ug/L																
Mirex	ug/L																
Methoxychlor	ug/L																
Toxaphene	ug/L				0			0			0			0			0
PCB 1016	ug/L				0			0			0			0			0
PCB 1221	ug/L				0			0			0			0			0
PCB 1232	ug/L				0			0			0			0			0
PCB 1242	ug/L				0			0			0			0			0
PCB 1248	ug/L				0			0			0			0			0
PCB 1254	ug/L				0			0			0			0			0
PCB 1260	ug/L				0			0			0			0			0
Total PCB's	ug/L				0			0			0			0			0

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
BENZIDINE (EPA 605)																	
benzidine	ug/L				0			0			0			0			0
3,3-dichlorobenzidine	ug/L				0			0			0			0			0
TRIBUTYL TIN ANALYSIS																	
tributyl tin	ug/L				0			0			0			0			0
dibutyl tin	ug/L																
monobutyl tin	ug/L																
BASE/NEUTRAL COMPOUNDS (EPA 625)																	
bis(2-chloroethly) ether	ug/L				0			0			0			0			0
metadichlorobenzene	ug/l				0			0			0			0			0
orthodichlorobenzene	ug/l				0			0			0			0			0
paradichlorobenzene (1,4-dichlorobenzene)	ug/l				0			0			0			0			0
bis-(2-chloroisopropyl) ether	ug/l				0			0			0			0			0
N-nitrosodi-n-propylamine	ug/L				0			0			0			0			0
nitrobenzene	ug/L				0			0			0			0			0
hexachloroethane	ug/L				0			0			0			0			0
isophorone	ug/l				0			0			0			0			0
bis(2-chloroethoxy)methane	ug/l				0			0			0			0			0
1,2,4-trichlorobenzene	ug/L				0			0			0			0			0
naphthalene	ug/L				0			0			0			0			0
hexachlorobutadiene	ug/l				0			0			0			0			0
hexachlorocyclopentadiene	ug/l				0			0			0			0			0
acenaphthylene (pah)	ug/L				0			0			0			0			0
dimethyl phthalate	ug/l				0			0			0			0			0
2,6-dinitrotoluene	ug/L				0			0			0			0			0
acenaphthene	ug/L				0			0			0			0			0
2,4-dinitrotoluene	ug/L				0			0			0			0			0
fluorene (pah)	ug/L				0			0			0			0			0
4-chlorophenyl phenyl ether	ug/L				0			0			0			0			0
diethyl phthalate	ug/l				0			0			0			0			0
N-nitrosodiphenylamine	ug/L				0			0			0			0			0
4-bromophenyl phenyl ether	ug/L				0			0			0			0			0
hexachlorobenzene	ug/L				0			0			0			0			0
phenanthrene (pah)	ug/L				0			0			0			0			0
anthracene (pah)	ug/L				0			0			0			0			0

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
di-n-butyl phthalate	ug/l				0			0			0			0			0
N-nitrosodimethylamine	ug/l				0			0			0			0			0
fluoranthene	ug/l				0			0			0			0			0
pyrene (pah)	ug/L				0			0			0			0			0
butyl benzyl phthalate	ug/L				0			0			0			0			0
chrysene (pah)	ug/L				0			0			0			0			0
benzo(A)anthracene	ug/L				0			0			0			0			0
bis-(2-ethylhexyl) phthalate	ug/L				40.00			0.00			0.00			29.00			17.25
di-n-octyl phthalate	ug/L				0			0			0			0			0
benzo(K)fluoranthene (pah)	ug/L				0			0			0			0			0
3,4-benzo(B)fluoranthene (pah)	ug/L				0			0			0			0			0
benzo(A)pyrene (pah)	ug/L				0			0			0			0			0
indeno(1,2,3-CD)pyrene (pah)	ug/L				0			0			0			0			0
dibenzo(A,H)anthracene	ug/L				0			0			0			0			0
benzo(G,H,I)perylene (pah)	ug/L				0			0			0			0			0
1,2-diphenylhydrazine	ug/L				0			0			0			0			0
Total Polynuclear aromatic hydrocarl	ug/L				40.00			0.00			0.00			29.00			17.25

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				15.00	18.00	8.30	15.00	8.30	15.00	13.00	8.30	18.00	14.00	12.00	8.10	12.75
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				15.000	18.000	8.300	15.000	8.300	15.000	13.000	8.300	18.000	14.000	12.000	8.100	12.75

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

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

	Units	Limitations	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
			Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
chloromethane (hal)	ug/l				0			0			0			0			0
bromomethane (hal)	ug/l				0			0			0			0			0
vinyl chloride (hal)	ug/l				0			0			0			0			0
chloroethane	ug/L				0			0			0			0			0
1,1-dichloroethene (1,1-dichloroethylene)	ug/l				0			0			0			0			0
trichlorofluoromethane	ug/L				0			0			0			0			0
methlyene chloride (dichloromethane)	ug/l				0			0			0			0			0
1,1-dichloroethane	ug/L				0			0			0			0			0
trans-1,2-dichloroethene	ug/L				0			0			0			0			0
chloroform	ug/l				4.00			0.00			0.00			1.80			1.45
1,2-dichloroethane	ug/l				0			0			0			0			0
1,1,1-trichloroethane	ug/l				0			0			0			0			0
carbon tetrachloride	ug/L				0			0			0			0			0
DCBM-bromodichloromethane (hal)	ug/l				3.5			0			3.5			0			1.75
1,2-dichloropropane	ug/L				0			0			0			0			0
trans-1,3-dichloropropene	ug/l				0			0			0			0			0
trichloroethene (trichloroethlyene)	ug/l				0			0			0			0			0.00
benzene	ug/l				0			0			0			0			0
dibromochloromethane (hal)	ug/L				1.9			0			0			0			0.48
1,1,2-trichloroethane	ug/l				0			0			0			0			0
cis-1,3-dichloropropene	ug/L				0			0			0			0			0
2-chloroethylvinyl ether	ug/L				0			0			0			0			0
bromoform (hal)	ug/l				0			0			0			0			0
1,1,2,2-tetrachloroethane	ug/l				0			0			0			0			0
tetrachloroethene (tetrachloroethlyene)	ug/l				0			0			0			0			0
toluene	ug/l				2.8			3.3			8.0			19.0			8.28
chlorobenzene	ug/l				0			0			0			0			0
ethylbenzene	ug/l				0			0			0			0			0
2-butanone (MEK)	ug/L				0			0			0			0			0
carbon disulfide	mg/L				0			0			0			5			1.35
Total Halomethanes	ug/L				12.20			3.30			11.50			26.20			13.30

NPDES Data for the South Bay International WTP

2015 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
EPA METHOD 624																	
acrylonitrile	ug/L				0.00			0.00			0.00			0.00			0.00
	lbs/L				0.00			0.00			0.00			0.00			0.00
acrolein	ug/L				0.00			0.00			0.00			0.00			0.00
	lbs/d				0.00			0.00			0.00			0.00			0.00
TCDD equivalents																	
2,3,7,8-tetra CDD	pg/L				0.00419000			0.00352000			0.00156000			0.00148500			0.00268875
1,2,3,7,8-penta CDD	pg/L				0.00395000			0.00215000			0.00306000			0.00285500			0.00300375
1,2,3,4,7,8-hexa CDD	pg/L				0.00009050			0.00058000			0.00055900			0.00046650			0.00042400
1,2,3,6,7,8-hexa CDD	pg/L				0.00010100			0.00062300			0.00068400			0.00081900			0.00055675
1,2,3,7,8,9-hexa CDD	pg/L				0.00010000			0.00061500			0.00061400			0.00076100			0.00052250
1,2,3,4,6,7,8-hepta CDD	pg/L				0.00039500			0.00018200			0.00033500			0.00103250			0.00048613
octa CDD	pg/L				0.00030000			0.00015000			0.00026000			0.00089500			0.00040125
2,3,7,8-tetra CDF	pg/L				0.00040900			0.00038600			0.00031600			0.00032850			0.00035988
1,2,3,7,8-penta CDF	pg/L				0.00049000			0.00020950			0.00018900			0.00017450			0.00026575
2,3,6,7,8-penta CDF	pg/L				0.00430500			0.00134500			0.00185500			0.00210500			0.00240250
1,2,3,4,7,8-hexa CDF	pg/L				0.00053300			0.00052500			0.00027700			0.00084850			0.00054588
1,2,3,6,7,8-hexa CDF	pg/L				0.00051000			0.00053600			0.00027000			0.00046400			0.00044500
1,2,3,7,8,9-hexa CDF	pg/L				0.00081100			0.00075400			0.00043800			0.00047850			0.00062038
2,3,4,6,7,8-hexa CDF	pg/L				0.00055200			0.00053400			0.00033100			0.00061650			0.00050838
1,2,3,4,6,7,8-hepta CDF	pg/L				0.00009920			0.00007830			0.00010700			0.00050150			0.00019650
1,2,3,4,7,8,9-hepta CDF	pg/L				0.00013600			0.00008780			0.00010000			0.00008300			0.00010170
octa CDF	pg/L				0.00002670			0.00001250			0.00003320			0.00010160			0.00004350
TOTAL TCDD	pg/L				0.01699840			0.01228810			0.01098820			0.01401560			0.01357258
TOTAL TCDD lbs/day	lbs/d				0.00000342			0.00000261			0.00000226			0.00000283			0.00000278

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 — **2015 EFFLUENT TABS**

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
		Limitations															
		Monthly Average															
EFFLUENT FLOW (MGD)	MGD		25		24.11	23.94	24.49	24.51	24.85	24.79	24.66	24.69	24.50	24.23	24.31	24.58	24.47
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			7.17	7.23	7.27	7.28	7.14	7.29	7.20	7.24	7.20	7.16	7.06	7.04	7.19
Temperature	C	---	---	---	19.2	20.6	21.8	22.4	23.2	25.0	27.0	27.9	28.6	27.1	22.9	19.9	23.8
COMPOSITE ANALYSES		Limitations															
		30-day	7-day	Max													
Total Suspended Solids	mg/L	---	---	---	12.4	11.8	10.5	10.6	8.6	9.2	15.1	10.0	10.6	9.3	10.4	9.6	10.7
daily mass emission	lbs/d	---	---	---	2471	2355	2147	2169	1809	1923	3131	2068	2159	1876	2122	1967	2183
weekly (7 day) average	mg/L	---	45	---	12	12	10	11	9	10	13	12	11	9	10	10	11
mass emission (7 day) average	lbs/d	---	9,383	---	2489	2407	2112	2119	1860	2011	2673	2486	2178	1843	2082	2015	2190
monthly (30 day) average	mg/L	30	---	---	12	12	11	11	9	10	10	15	10	10	10	10	11
mass emission (30 day) average	lbs/d	6,255	---	---	2289	2507	2179	2122	1930	2066	1970	3090	2102	2032	1960	2015	2188
Volatile Suspended Solids	mg/L	---	---	---	10.31	9.92	9.11	8.93	7.05	7.68	12.40	8.62	9.32	8.24	8.97	8.65	9.10
BOD	mg/L	---	---	---	14.2	13.6	12.4	12.3	10.7	11.0	16.5	11.8	12.3	11.2	12.0	11.1	12.4
Soluble BOD	mg/L	---	---	---													
Carbonaceous BOD (CBOD)	mg/L	---	---	---	10.7	10.2	9.3	9.2	7.9	8.0	12.6	8.5	9.0	8.1	8.4	7.9	9.1
daily mass emission	lbs/d	---	---	---	2136	2033	1891	1876	1661	1674	2613	1758	1831	1629	1697	1617	1868
weekly (7 day) average	mg/L	---	40	---	11	10	9	9	8	8	11	10	9	8	8	8	9
mass emission (7 day) average	lbs/d	---	8,340	---	2157	2033	1866	1808	1765	1718	1668	2564	1881	1590	1667	1694	1868
monthly (30 day) average	mg/L	25	---	---	10	11	9	9	8	8	8	12	9	9	8	8	9
mass emission (30 day) average	lbs/d	5,213	---	---	1968	2163	1925	1856	1730	1812	1714	2558	1791	1733	1628	1653	1878

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations 30-day	Limitations 7-day	Limitations Max	JAN Average	FEB Average	MAR Average	APR Average	MAY Average	JUN Average	JUL Average	AUG Average	SEP Average	OCT Average	NOV Average	DEC Average	2015 AVERAGE
Floatables	mg/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Dissolved Solids	mg/L	---	---	---	1537	1519	1467	1442	1391	1434	1396	1469	1472	1450	1441	1409	1452
Turbidity	NTU	---	---	225	2.39	2.29	2.21	2.40	1.91	2.08	3.47	2.09	2.09	1.95	2.13	2.18	2.27
weekly (7 day) average	NTU	---	100	---	2.40	2.32	2.18	2.33	2.02	2.07	3.04	2.50	2.10	1.94	2.11	2.21	2.27
monthly (30 day) average	NTU	75	---	---	2.3	2.4	2.2	2.3	2.2	2.0	2.3	3.2	2.1	2.1	2.0	2.2	2.3
C.O.D. Chemical Oxygen Demand	mg/L	---	---	---													
Total Solids	mg/L	---	---	---													
Volatile Solids	mg/L	---	---	---													

TOXICITY		Limitations 30-day	Limitations 7-day	Limitations Max													
Acute Toxicity	TU'a	---	---	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.85	0.0	0.0	0.0	0.14
weekly (7 day) average	TU'a	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.72	0.0	0.0	0.0	0.06
monthly (30 day) average	TU'a	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.78	0.93	0.0	0.0	0.14

CHRONIC TOXICITY		Limitations 6-mnth	Limitations Daily	Limitations 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	25	25	25	31	25	30	25	50	25	25	28
TOPSMELT																	
survival	TU'c	---	95.6	---													
growth	TU'c	---	95.6	---													

METALS AND CYANIDE		Limitations 6-Mnth	Limitations Daily	Limitations 30-day													
Antimony	ug/L	---	---	115000	0			0			0			0			0
	lbs/d			23900	0			0			0			0			0
Beryllium	ug/L	---	---	3.15	0			0			0			0			0
	lbs/d	---	---	0.658	0			0			0			0			0
Thallium	ug/L	---	---	191	0			0			0			0			0
	lbs/d	---	---	39.9	0			0			0			0			0
Chromium III	ug/L	---	---	18200000													
	lbs/d	---	---	3790000													

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
		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	0	0	0	0	0	0.00
	lbs/d	19.9	79.7	199	0	0	0	0	0	0	0	0	0	0	0	0	0.00
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	0	0	0	0	0	0	0.00
	lbs/d	20.3	200	559	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Iron	ug/L																
Lead	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
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	21.475	13.225	30	18.725	20.25	14.96	17.475	23.2	16	10.975	14.2	13.225	17.81
	lbs/d	99.7	399	997	4.13159847	2.44448111	7.17268356	4.76391225	4.4112762	2.90750581	7.96467498	6.67620336	4.3543974	3.11981678	3.55727688	4.66374885	4.68
Selenium	ug/L	1430	5740	14300	0	0	12.56	0	0	0	0	0	0	0	0	0	1
	lbs/d	299	1200	2990	0	0	2.68518643	0	0	0	0	0	0	0	0	0	0
Silver	ug/L	51.8	253	654	0	0	0	0	0	0	0	0	0	1.6	0	0	0.13
	lbs/d	10.8	52.7	136	0	0	0	0	0	0	0	0	0	0.29415389	0	0	0.02
Zinc	ug/L	1160	6890	18400	42	33.25	28.96	22.95	28.2	18.32	10.85	8.64	0	0	21.12	36.25	20.88
	lbs/d	241	1440	3830	13.7772422	9.62963505	20.2639148	13.5018345	19.8283083	13.2678892	12.8620314	14.8202934	0	0	19.5126243	19.8255561	13.11
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	0	0	0	0	0	0	0	0	0	0	0	0.00
	lbs/d	39.9	159	1200	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Ammonia-N	mg/L	57.4	229	574	5	6	5.5	8.5	10.3	7.3	7.5	10.2	11.6	10.3	7.2	9.5	8.24
	lbs/d	12000	47800	120000	887.376	927.7416	1229.316	1935.297	2173.3206	1752.79278	1477.431	2089.27008	2544.3672	2091.7137	1449.55872	1867.4511	1702

RADIOACTIVITY

		Limitations															
		See Cal. code of Reg. Title 17,															
Alpha Radiation	pc/L	Division 1,Chapter 5, Subchapter 4,			10.40	2.20	2.17	4.07	2.25	2.37	9.56	11.40	5.68	0.49	1.25	3.07	4.58
Beta Radiation	pc/L	Group 3, Article 3, Section 32069			11.50	3.64	9.09	5.61	0.00	8.34	9.24	10.80	8.45	6.83	4.26	4.25	6.83

CHLORINATED PESTICIDES

		Limitations															
		6-Mnth	Daily	30-day													
Aldrin	ug/L	---	---	0.0021	0			0			0			0			0
	lbs/d	---	---	0.000439	0			0			0			0			0
Dieldrin	ug/L	---	---	0.00382	0			0			0			0			0
	lbs/d	---	---	0.000797	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

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
DDT's		Limitations															
		Daily	7-day	30-day													
p,p'-DDD	ug/L	---	---	---	0			0			0			0			0
p,p'-DDE	ug/L	---	---	---	0			0			0			0			0
p,p'-DDT	ug/L	---	---	---	0			0			0			0			0
o,p-DDD	ug/L	---	---	---	0			0			0			0			0
o,p-DDE	ug/L	---	---	---	0			0			0			0			0
o,p-DDT	ug/L	---	---	---	0			0			0			0			0
TOTAL DDT's	ug/L	---	---	0.0163	0			0			0			0			0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.00339	0			0			0			0			0
HEPTACHLOR		Limitations															
		Daily	7-day	30-day													
Heptachlor	ug/L	---	---	0.00478	0			0			0			0			0
	lbs/d	---	---	0.000997	0			0			0			0			0
Heptachlor epoxide	ug/L	---	---	0.00191	0			0			0			0			0
	lbs/d	---	---	0.000399	0			0			0			0			0
CHLORDANE																	
Alpha (cis) Chlordane	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
Gamma (trans) Chlordane	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
Oxychlordane	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
trans Nonachlor	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
cis Nonachlor	ug/l	---	---	---	0.00			0.00			0.00			0.00			0
TOTAL CHLORDANE	ug/l	---	---	0.0022	0.00			0.00			0.00			0.00			0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.000458	0.00			0.00			0.00			0.00			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
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	---	---	---													
Mirex	ug/L	---	---	---													
Methoxychlor	ug/L	---	---	---													
Toxaphene	ug/L	---	---	0.0201	0			0			0			0			0
	lbs/d	---	---	0.00419	0			0			0			0			0

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
PCB's																	
PCB 1016	ug/L	---	---	---	0			0			0			0			0
PCB 1221	ug/L	---	---	---	0			0			0			0			0
PCB 1232	ug/L	---	---	---	0			0			0			0			0
PCB 1242	ug/L	---	---	---	0			0			0			0			0
PCB 1248	ug/L	---	---	---	0			0			0			0			0
PCB 1254	ug/L	---	---	---	0			0			0			0			0
PCB 1260	ug/L	---	---	---	0			0			0			0			0
PCB 1262	ug/L	---	---	---													
TOTAL PCB's	ug/L	---	---	0.00182	0			0			0			0			0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.000379	0			0			0			0			0
EPA METHOD 605																	
benzidine	ug/L	---	---	0.0066	0			0			0			0			0
3,3-dichlorobenzidine	lbs/d	---	---	0.161													
TRIBUTYL TIN ANALYSIS																	
tributyl tin	ug/L	---	---	0.134	0			0			0			0			0
	lbs/L	---	---	0.0279	0			0			0			0			0
dibutyl tin	ug/L	---	---	---													
monobutyl tin	ug/L	---	---	---													
BASE/NEUTRAL COMPOUNDS		Limitations															
		Daily	7-day	30-day													
bis(2-chloroethyl) ether	lbs/d	---	---	0.897	0			0			0			0			0
DICHLOROBENZENE																	
metadichlorobenzene, 1,3	ug/L	---	---	---	0			0			0			0			0
orthodichlorobenzene, 1,2	ug/L	---	---	---	0			0			0			0			0
TOTAL DICHLOROBENZENE	ug/L	---	---	488000	0			0			0			0			0
MASS EMISSION LBS/DAY	lbs/d	---		102000	0			0			0			0			0

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
paradichlorobenzene (1,4-dichlorobenzene)	ug/L	---	---	1720	0			0			0			0			0
bis-(2-chloroisopropyl) ether	ug/L	---	---	115000													
N-nitrosodi-n-propylamine	ug/L	---	---	36.3													
nitrobenzene	ug/L	---	---	468													
hexachloroethane	ug/L	---	---	250	0			0			0			0			0
isophorone	ug/L	---	---	69800	0			0			0			0			0
bis(2-chloroethoxy)methane	ug/L	---	---	421	0			0			0			0			0
1,2,4-trichlorobenzene	ug/L	---	---	---	0			0			0			0			0
naphthalene	ug/L	---	---	---													
hexachlorobutadiene	ug/L	---	---	1340	0			0			0			0			0
hexachlorocyclopentadiene	ug/L	---	---	5540													
acenaphthylene pah	ug/L	---	---	---	0			0			0			0			0
dimethyl phthalate	ug/L	---	---	78400000	0			0			0			0			0
2,6-dinitrotoluene	ug/L	---	---	---	0			0			0			0			0
acenaphthene	ug/L	---	---	---	0			0			0			0			0
2,4-dinitrotoluene	ug/L	---	---	249	0			0			0			0			0
fluorene pah	ug/L	---	---	---	0			0			0			0			0
4-chlorophenyl phenyl ether	ug/L	---	---	---													
diethyl phthalate	ug/L	---	---	3150000	0			0			0			0			0
N-nitrosodiphenylamine	ug/L	---	---	239													
4-bromophenyl phenyl ether	ug/L	---	---	---	0			0			0			0			0
hexachlorobenzene	ug/L	---	---	0.0201	0			0			0			0			0
phenanthrene pah	ug/L	---	---	---	0			0			0			0			0
anthracene pah	ug/L	---	---	---													
di-n-butyl phthalate	ug/L	---	---	335000	0			0			0			0			0
N-nitrosodimethylamine	ug/L	---	---	69800	0			0			0			0			0
fluoranthene	ug/L	---	---	1430	0			0			0			0			0
pyrene pah	ug/L	---	---	---	0			0						0			0
butyl benzyl phthalate	ug/L	---	---	---													
chrysene pah	ug/L	---	---	---	0			0			0			0			0
benzo(A)anthracene pah	ug/L	---	---	---	0			0			0			0			0
bis-(2-ethylhexyl) phthalate	ug/L	---	---	335	0			0			21			0			5.250
di-n-octyl phthalate	ug/L	---	---	---													
benzo (K) fluoranthene pah	ug/L	---	---	---	0			0			0			0			0
3,4-benzo (B) fluoranthene pah	ug/L	---	---	---	0			0			0			0			0
benzo (A) pyrene pah	ug/L	---	---	---	0			0			0			0			0
dibenzo (A,H) anthracene pah	ug/L	---	---	---	0			0			0			0			0
benzo (G,H,I) perylene pah	ug/L	---	---	---	0			0			0			0			0
1,2-diphenylhydrazine	ug/L	---	---	15.3	0			0			0			0			0
	lbs/d	---	---	3.19	0			0			0			0			0
TOTAL PAH'S	ug/L	---	---	0.841	0			0			21			0			5.25
MASS EMISSION LBS/DAY	lbs/d	---	---	0.175	0			0			175			0			43.75

NPDES Data for the South Bay International WTP

2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
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													
pentachlorophenol	ug/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
		6-Mnth	Daily	Instant													
TOTAL CHLORINATED PHENOLIC COMPOUNDS	ug/L	95.6	382	956	0.0	0.0	0.0	0.0	0.0	0.0	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	0	0	0	0	0	0	0	0	0	0.00
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 COMP	ug/L	2870	11500	28700	0	0	0	0	0	0	0	0	0	0	0	0	0.000
MASS EMISSION LBS/DAY	lbs/d	598	2390	5980	0	0	0	0	0	0	0	0	0	0	0	0	0.000
HALOMETHANE PURGEABLE COMPOUNDS (EPA 624) (VOC's)		Limitations															
		---	---	30-day													
chloromethane (hal)	ug/L	---	---	---	0			0			0			0			0
bromomethane (hal)	ug/L	---	---	---	0			0			0			0			0
vinyl chloride	ug/L	---	---	3440	0			0			0			0			0
chloroethene	ug/L	---	---	---	0			0			0			0			0
1,1-dichloroethene (1,1-dichloroethlyene)	ug/L	---	---	86	0			0			0			0			0
trichlorofluoromethane	ug/L	---	---	---	0			0			0			0			0
methlyene chloride (dichloromethane)	ug/L	---	---	43000	0			0			0			0			0
1,1-dichloroethane	ug/L	---	---	---	0			0			0			0			0
trans-1,2-dichloroethene	ug/L	---	---	---	0			0			0			0			0
chloroform	ug/L	---	---	12400	0			0			0			0			0
1,2-dichloroethane	ug/L	---	---	2680	0			0			0			0			0
1,1,1-trichloroethane	ug/L	---	---	51600000	0			0			0			0			0
carbon tetrachloride	ug/L	---	---	86	0			0			0			0			0
DCBM-bromodichloromethane	ug/L	---	---	593	0			0			0			0			0
1,2-dichloropropane	ug/L	---	---	---	0			0			0			0			0
trans-1,3-dichloropropene	ug/L	---	---	851	0			0			0			0			0
trichloroethene (trichloroethylene)	ug/L	---	---	2580	0			0			0			0			0
benzene	ug/L	---	---	564	0			0			0			0			0
dibromochloromethane	ug/L	---	---	---	0			0			0			0			0
1,1,2-trichloroethane	ug/L	---	---	899	0			0			0			0			0
cis-1,3-dichloropropene	ug/L	---	---	851	0			0			0			0			0
2-chloroethylvinyl ether	ug/L	---	---	---	0			0			0			0			0
bromoform (hal)	ug/L	---	---	---	0			0			0			0			0
1,1,2,2-tetrachloroethane	ug/L	---	---	220	0			0			0			0			0
tetrachloroethene (tetrachloroethylene)	ug/L	---	---	191	0			0			0			0			0
toluene	ug/L	---	---	8130000	0			0			0			0			0
chlorobenzene	ug/L	---	---	54500	0			0			0			0			0
ethylbenzene	ug/L	---	---	392000	0			0			0			0			0
2-butanone (MEK)	ug/L	---	---	---	0			0			0			0			0
carbon disulfide	ug/L	---	---	---	0			0			0			0			0
TOTAL HALOMETHANE PURGEABLE CMPDS.	ug/L	---	---	13000	0			0			0			0			0
MASS EMISSION LBS/DAY	lbs/d	---	---	2700	0			0			0			0			0

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2015 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2015
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
EPA METHOD 624		Limitations															
		Daily	7-day	30-day													
acrylonitrile	ug/L	---	---	9.56	0			0			0			0			0
	lbs/L	---	---	1.99	0			0			0			0			0
acrolein	ug/L	---	---	21000	0			0			0			0			0
	lbs/d	---	---	4390	0			0			0			0			0
TCDD EQUIVALENTS		Limitations															
		Daily	7-day	30-day													
2,3,7,8-tetra CDD	pg/L	---	---	---	0.00180000			0.00455000			0.00232000			0.00185000			0.0026300000
1,2,3,7,8-penta CDD	pg/L	---	---	---	0.00147000			0.00259000			0.00163000			0.00124750			0.0017343750
1,2,3,4,7,8-hexa CDD	pg/L	---	---	---	0.00063700			0.00046500			0.00049400			0.00040650			0.0005006250
1,2,3,6,7,8-hexa CDD	pg/L	---	---	---	0.00084900			0.00047800			0.00053200			0.00047150			0.0005826250
1,2,3,7,8,9-hexa CDD	pg/L	---	---	---	0.00074300			0.00048200			0.00050800			0.00043250			0.0005413750
1,2,3,4,6,7,8-hepta CDD	pg/L	---	---	---	0.00001090			0.00000590			0.00000770			0.00000680			0.0000078250
octa CDD	pg/L	---	---	---	0.00000570			0.00000180			0.00000210			0.00000220			0.0000029500
2,3,7,8-tetra CDF	pg/L	---	---	---	0.00000000			0.00000000			0.00000000			0.00000000			0.0000000000
1,2,3,7,8-penta CDF	pg/L	---	---	---	0.00008100			0.00018150			0.00012800			0.00012750			0.0001295000
2,3,4,7,8-penta CDF	pg/L	---	---	---	0.00077500			0.00122000			0.00124500			0.00171750			0.0012393750
1,2,3,4,7,8-hexa CDF	pg/L	---	---	---	0.00028800			0.00035200			0.00029300			0.00032200			0.0003137500
1,2,3,6,7,8-hexa CDF	pg/L	---	---	---	0.00027600			0.00033100			0.00027800			0.00030750			0.0002981250
1,2,3,7,8,9-hexa CDF	pg/L	---	---	---	0.00044800			0.00049100			0.00043300			0.00049200			0.0004660000
2,3,4,6,7,8-hexa CDF	pg/L	---	---	---	0.00034400			0.00037200			0.00031200			0.00035400			0.0003455000
1,2,3,4,6,7,8-hepta CDF	pg/L	---	---	---	0.00004270			0.00003950			0.00004270			0.00010535			0.0000575625
1,2,3,4,7,8,9-hepta CDF	pg/L	---	---	---	0.00005030			0.00005210			0.00007680			0.00006575			0.0000612375
octa CDF	pg/L	---	---	---	0.00001400			0.00001370			0.00001770			0.00002015			0.0000163875
TOTAL TCDD	pg/L	---	---	0.373	0.00783460			0.01162550			0.00832000			0.00792875			0.0089272125
Mass Emission lbs/day	lbs/d	---	---	0.000000777	0.00000015			0.00000023			0.00000171			0.00000160			0.0000009225

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

INFLUENT GRAPHS

International Boundary and Water Commission

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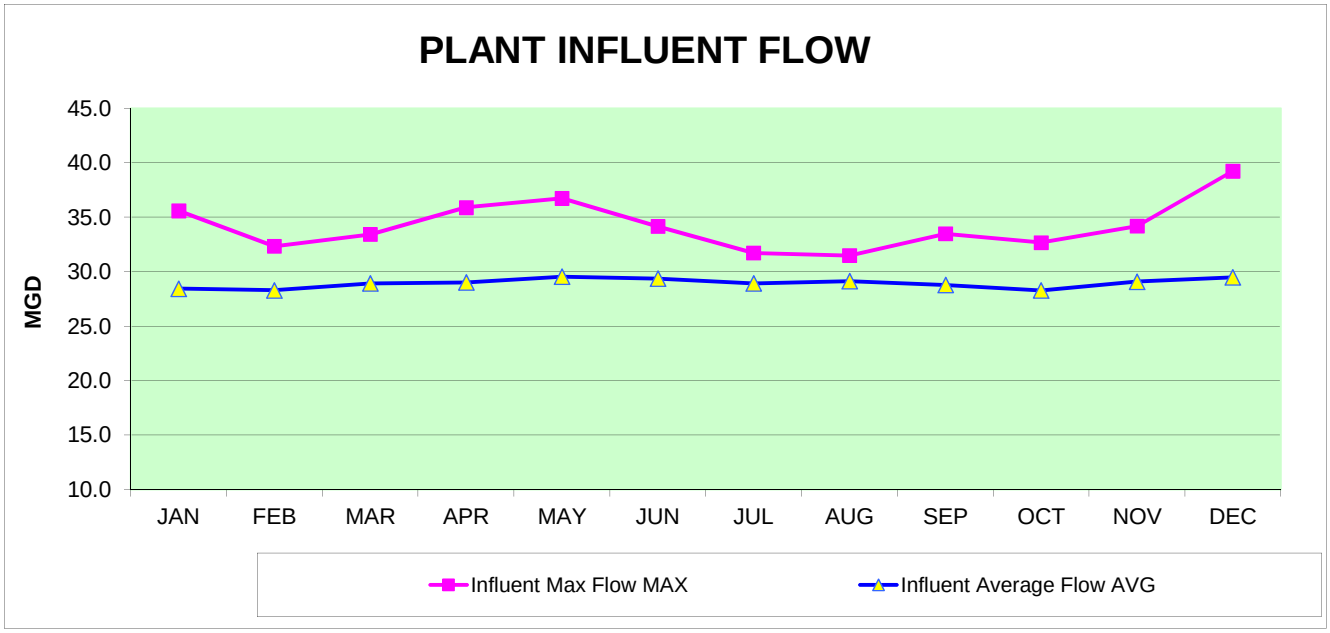

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MAX	35.59	32.33	33.44	35.91	36.75	34.17	31.72	31.48	33.49	32.68	34.20	39.25
AVG	28.45	28.30	28.93	29.03	29.55	29.38	28.94	29.15	28.78	28.28	29.10	29.49

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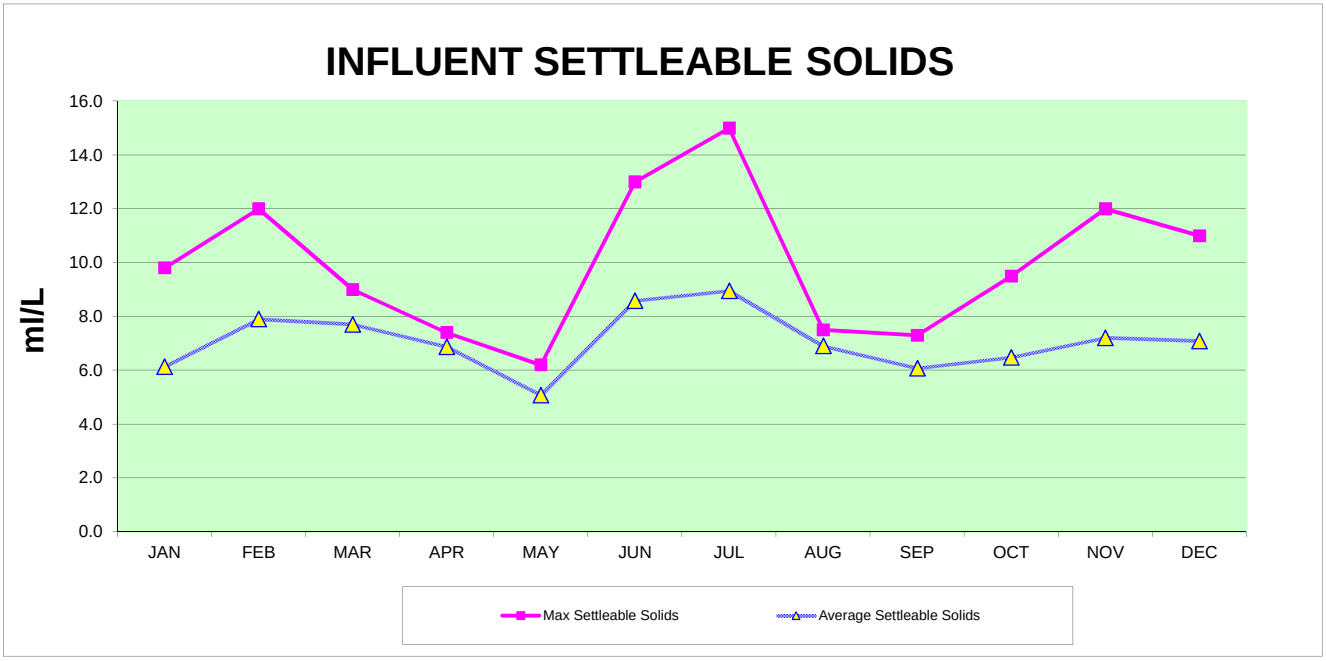

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	9.8	12.0	9.0	7.4	6.2	13.0	15.0	7.5	7.3	9.5	12.0	11.0
Average	6.1	7.9	7.7	6.9	5.1	8.6	9.0	6.9	6.1	6.5	7.2	7.1

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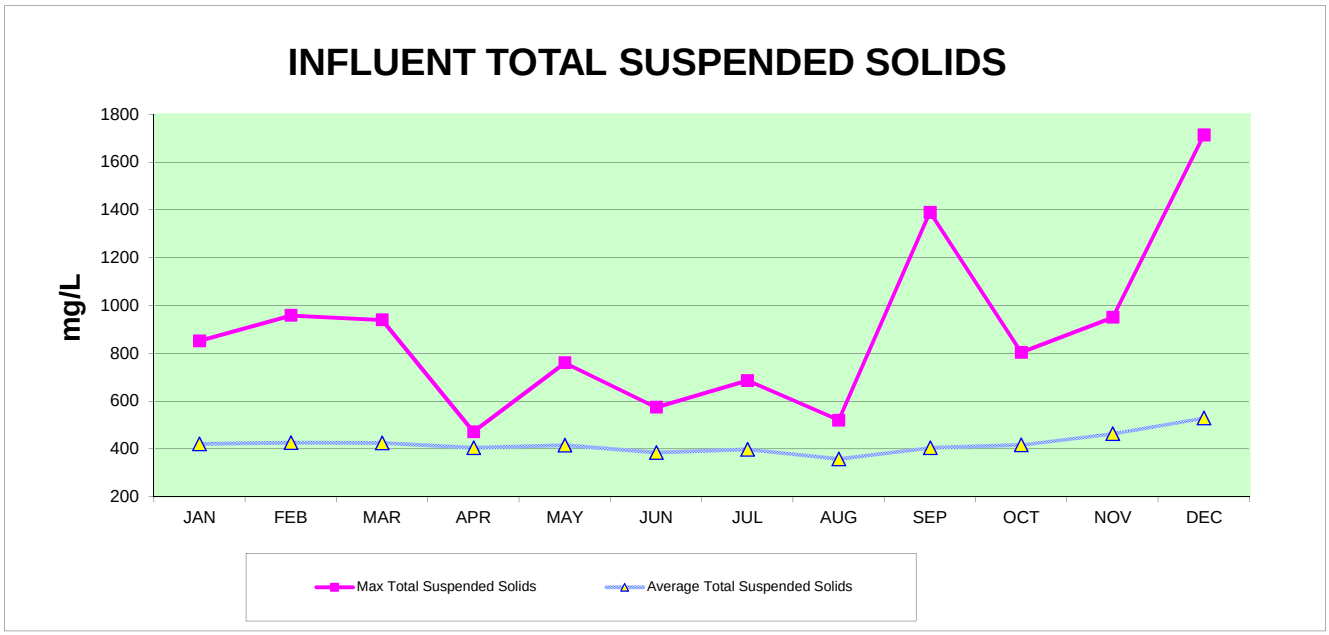

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	852	958	940	472	760	574	686	520	1390	804	950	1714
Average	420	426	424	405	415	385	398	358	405	417	464	529

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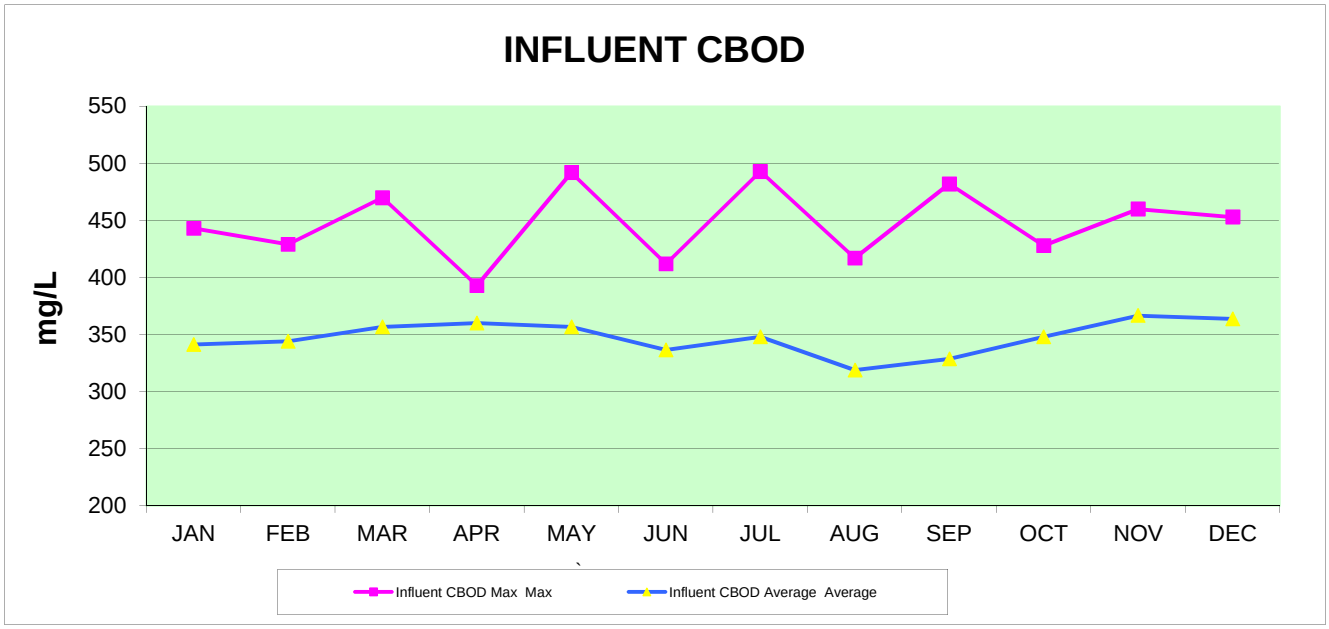

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	443	429	470	393	492	412	493	417	482	428	460	453
Average	341	344	357	360	357	337	348	319	329	348	367	364

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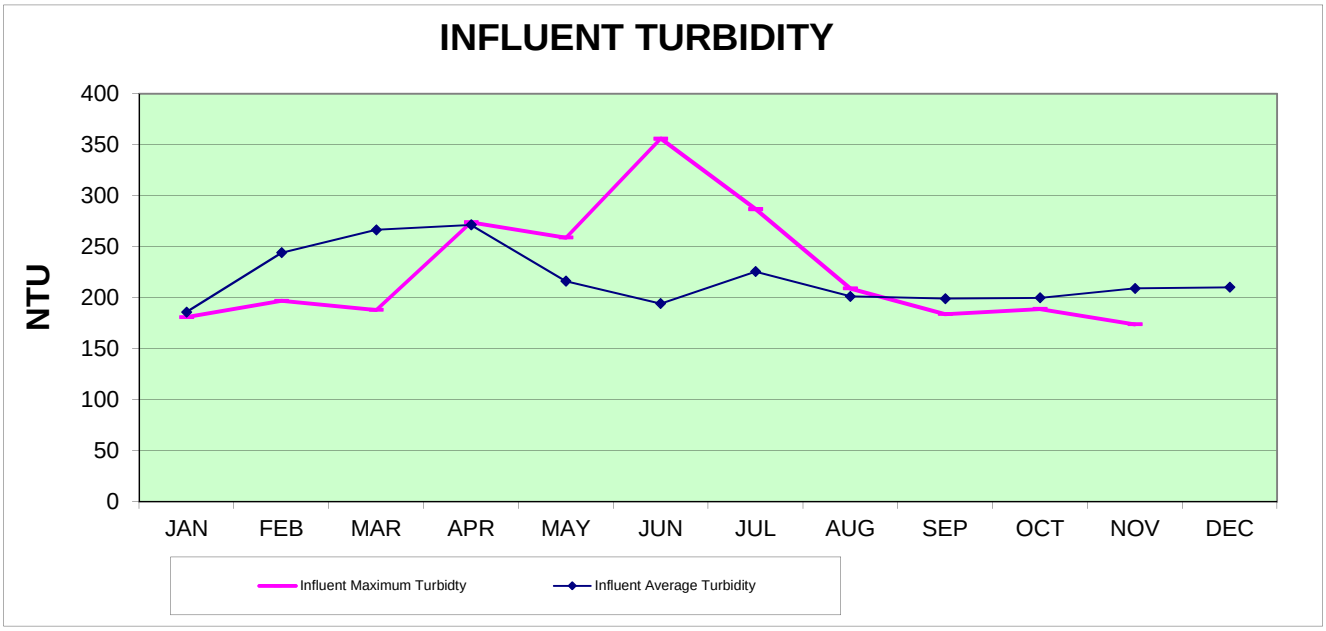

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	195	390	340	288	326	239	310	216	221	214	291	217
Average	186	244	267	272	216	194	226	201	199	200	209	210

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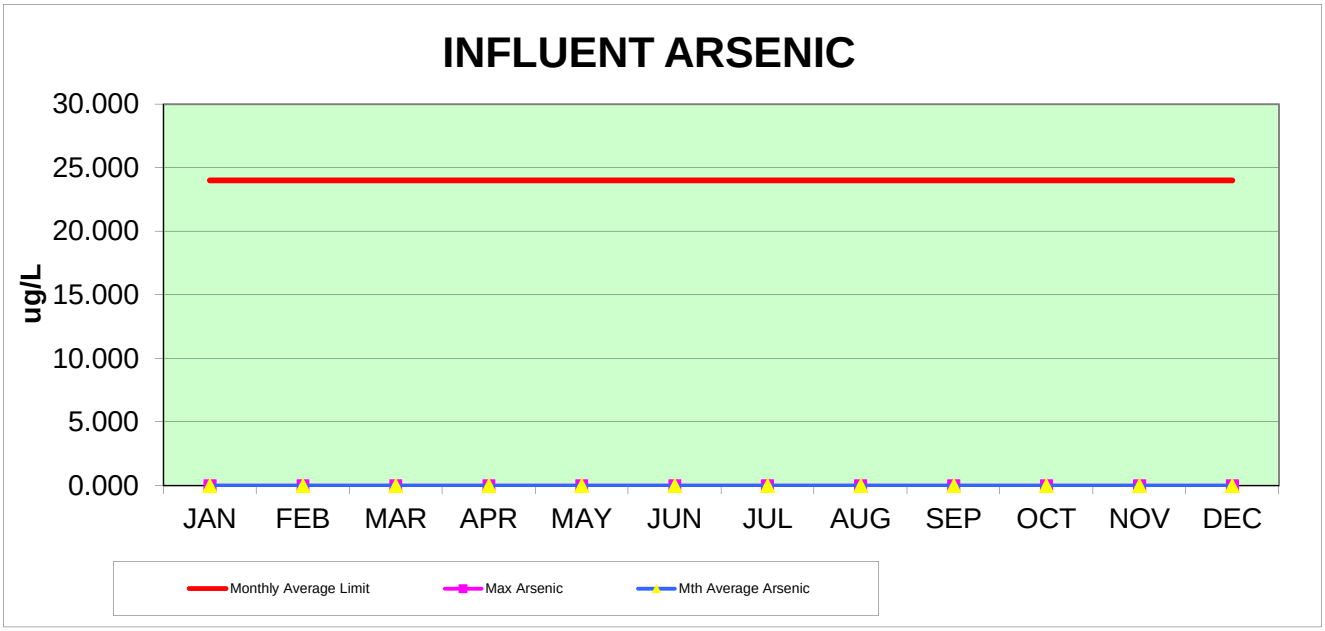

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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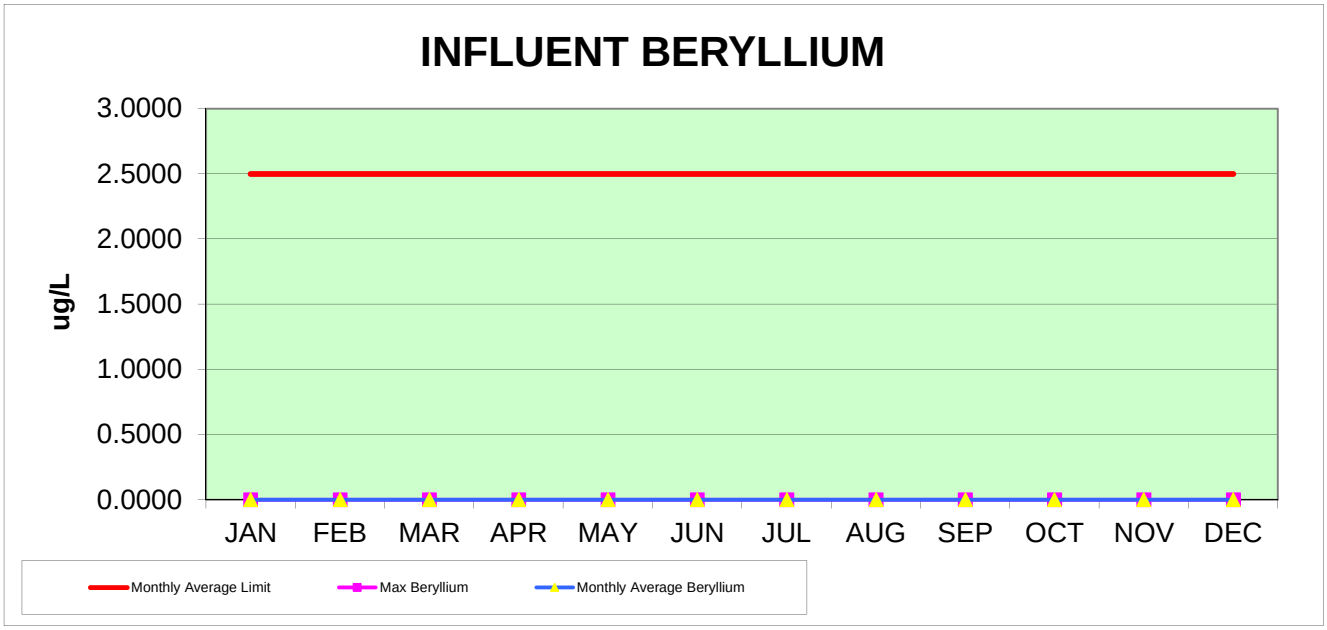

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000	2.5000
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000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

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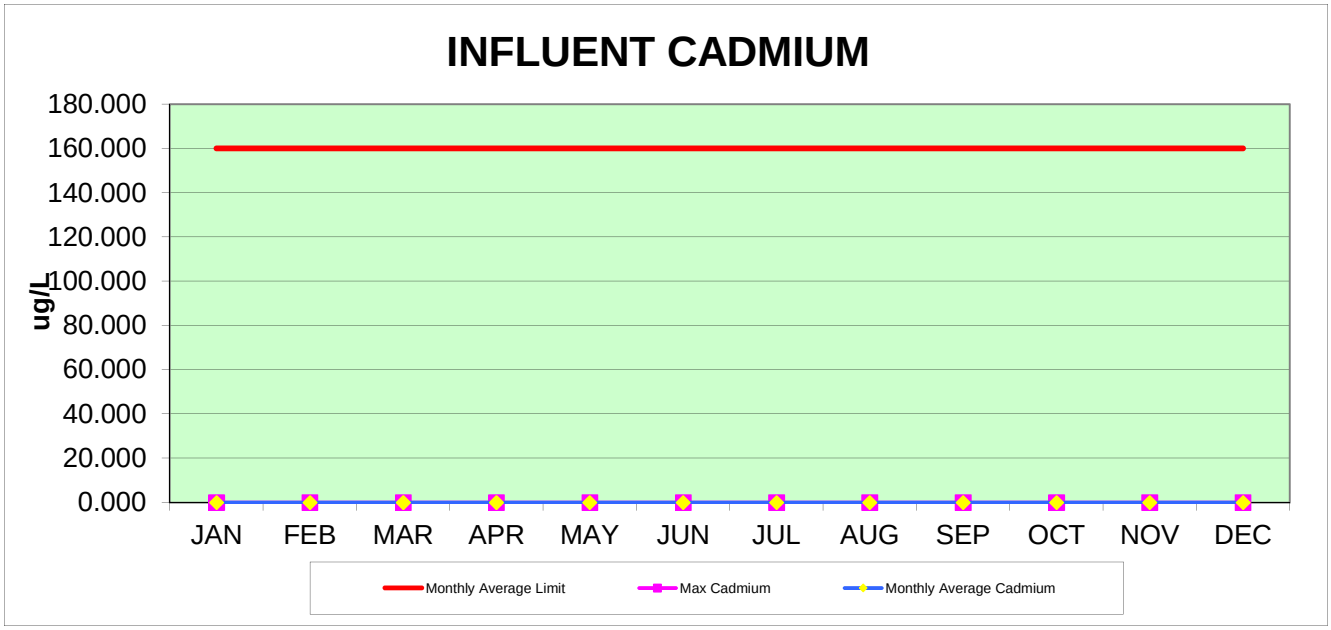

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000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

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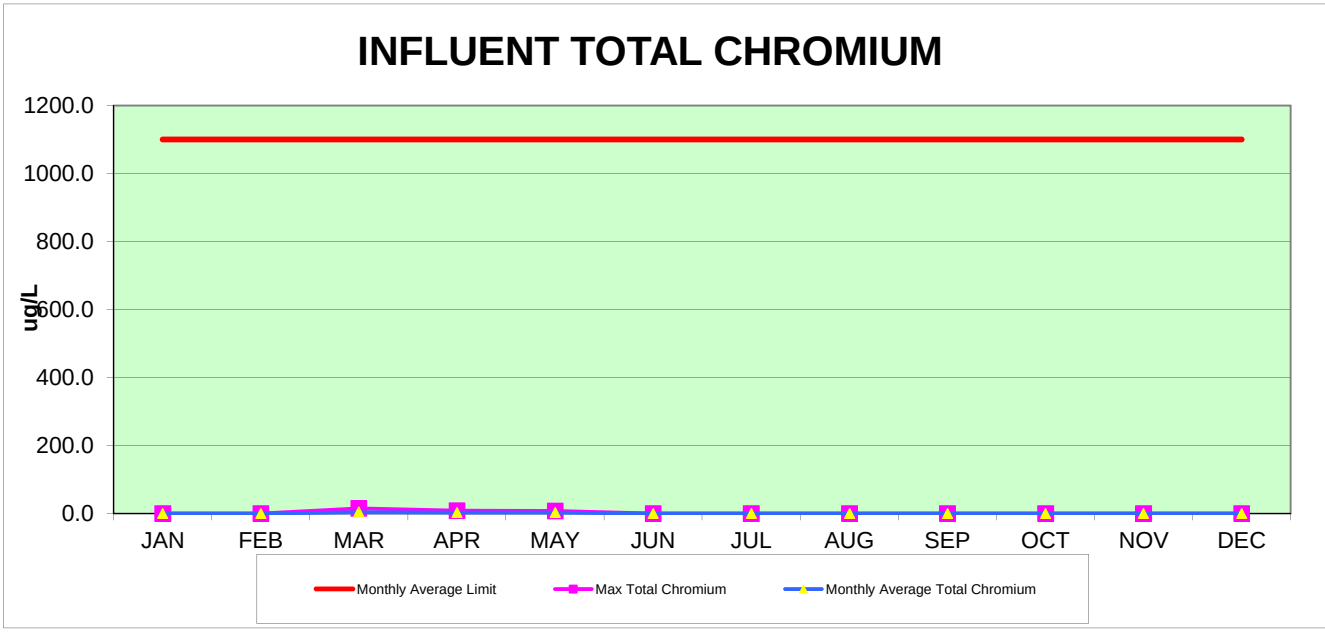

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
Max	0.000	0.000	15.000	7.800	7.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	3.960	2.850	2.775	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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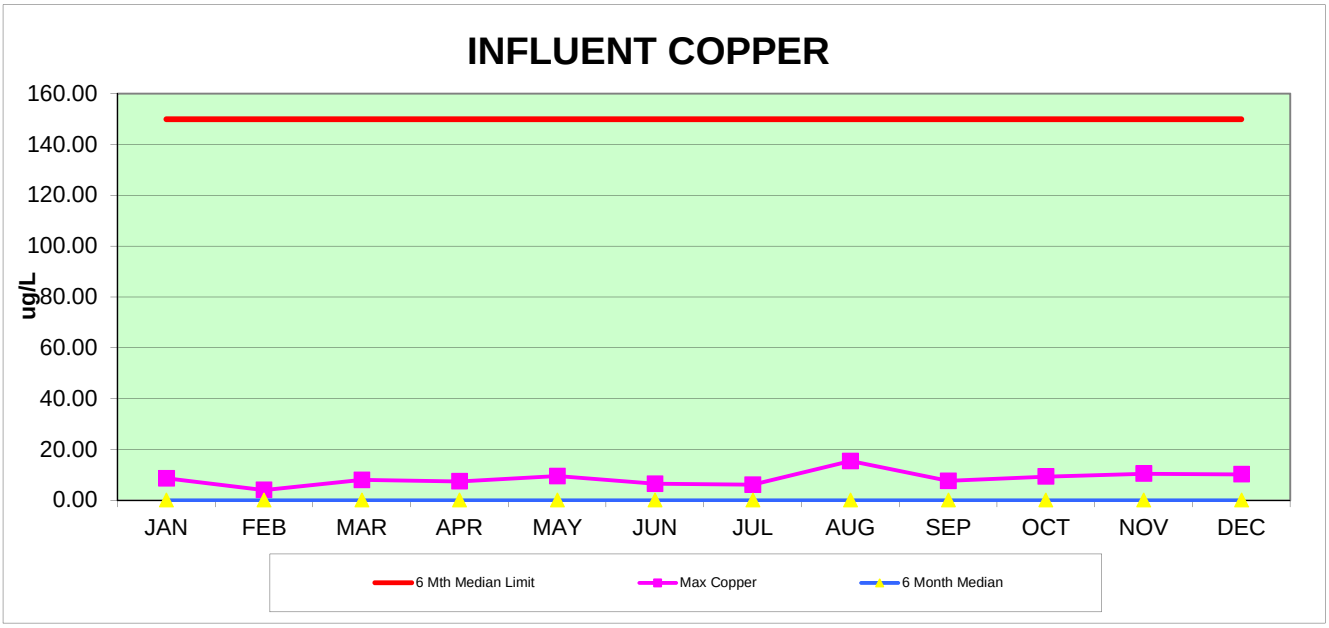

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
Max	8.618	4.020	7.999	7.412	9.521	6.455	6.107	15.442	7.628	9.303	10.434	10.222
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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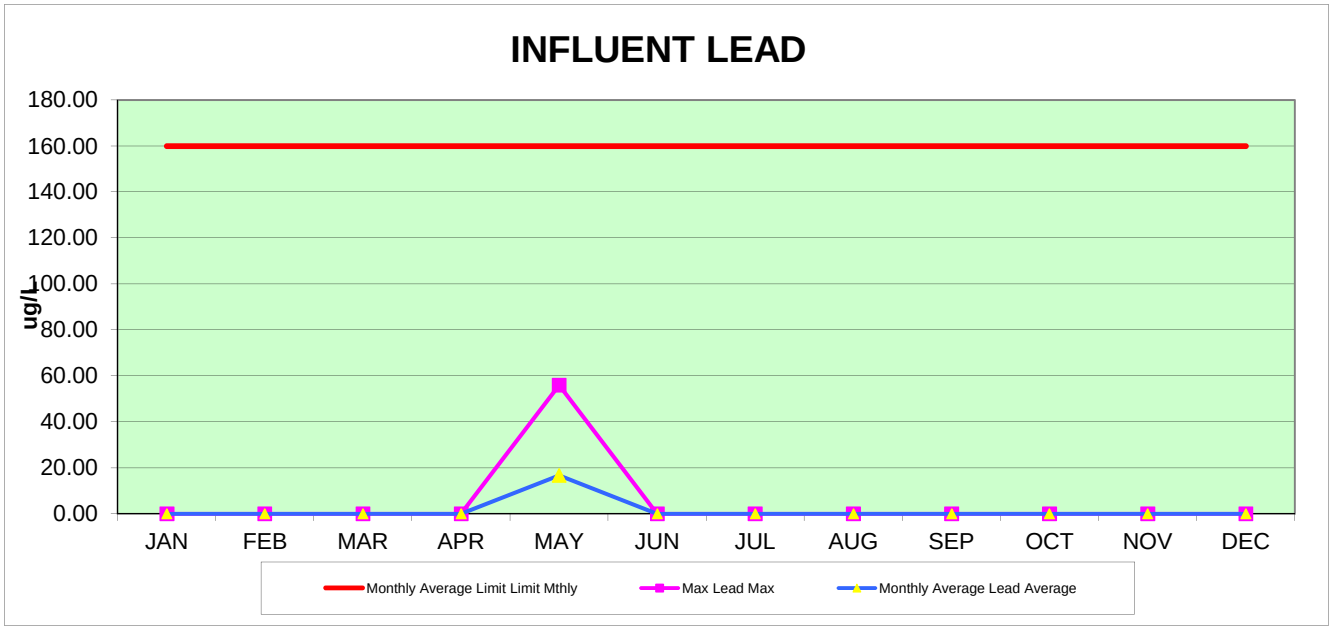

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00	160.00
Max	0.000	0.000	0.000	0.000	56.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	16.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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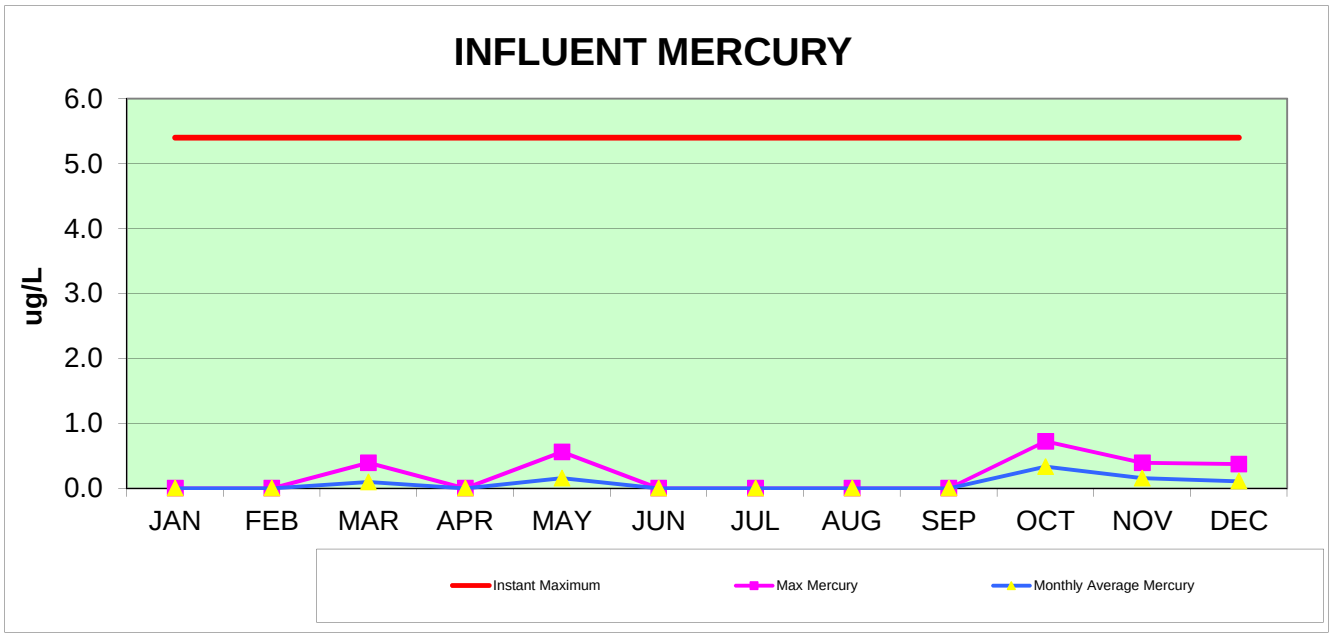

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Max	0.00000	0.00000	0.39000	0.00000	0.56000	0.00000	0.00000	0.00000	0.00000	0.72000	0.39000	0.37000
Average	0.00000	0.00000	0.09480	0.00000	0.15575	0.00000	0.00000	0.00000	0.00000	0.33050	0.15460	0.10825

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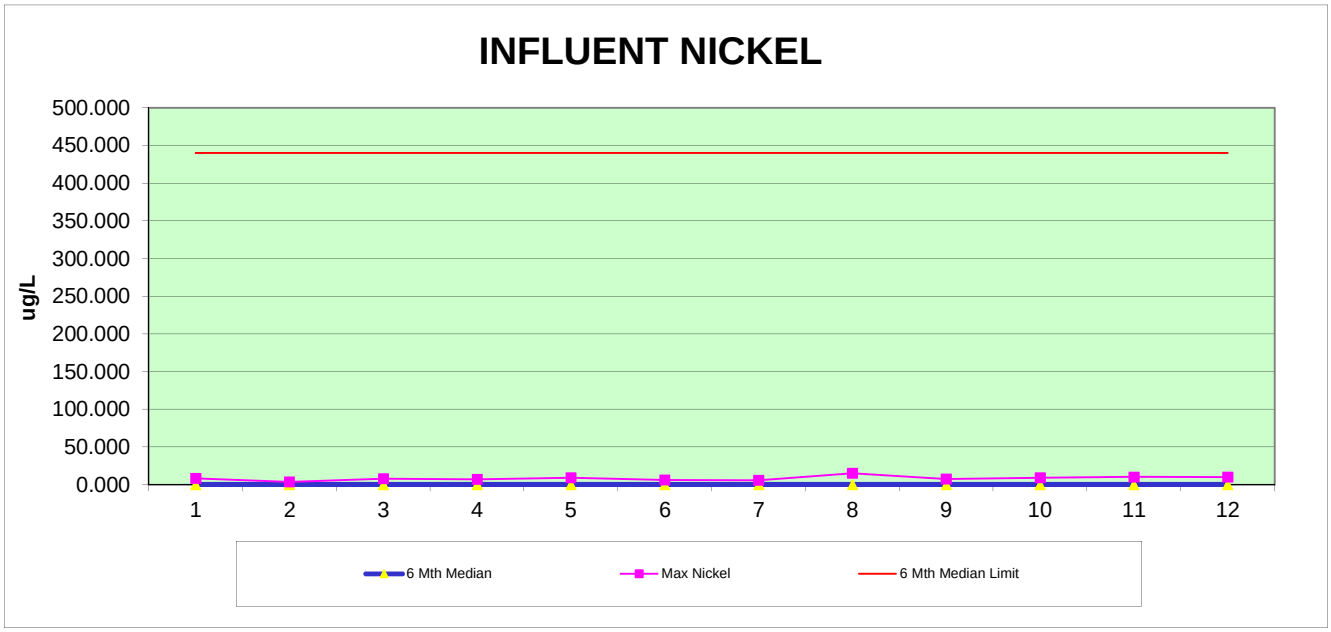

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00	440.00
Max	8.618	4.020	7.999	7.412	9.521	6.455	6.107	15.442	7.628	9.303	10.434	10.222
6 Mth Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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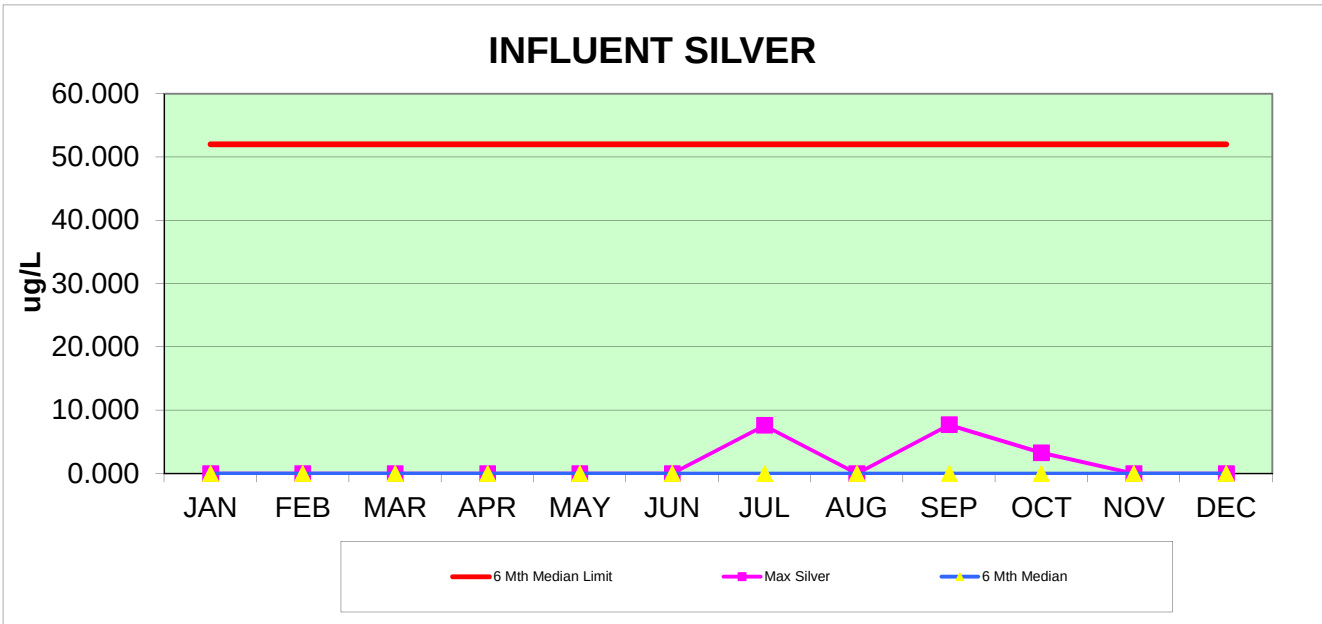

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000	52.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	7.600	0.000	7.700	3.300	0.000	0.000
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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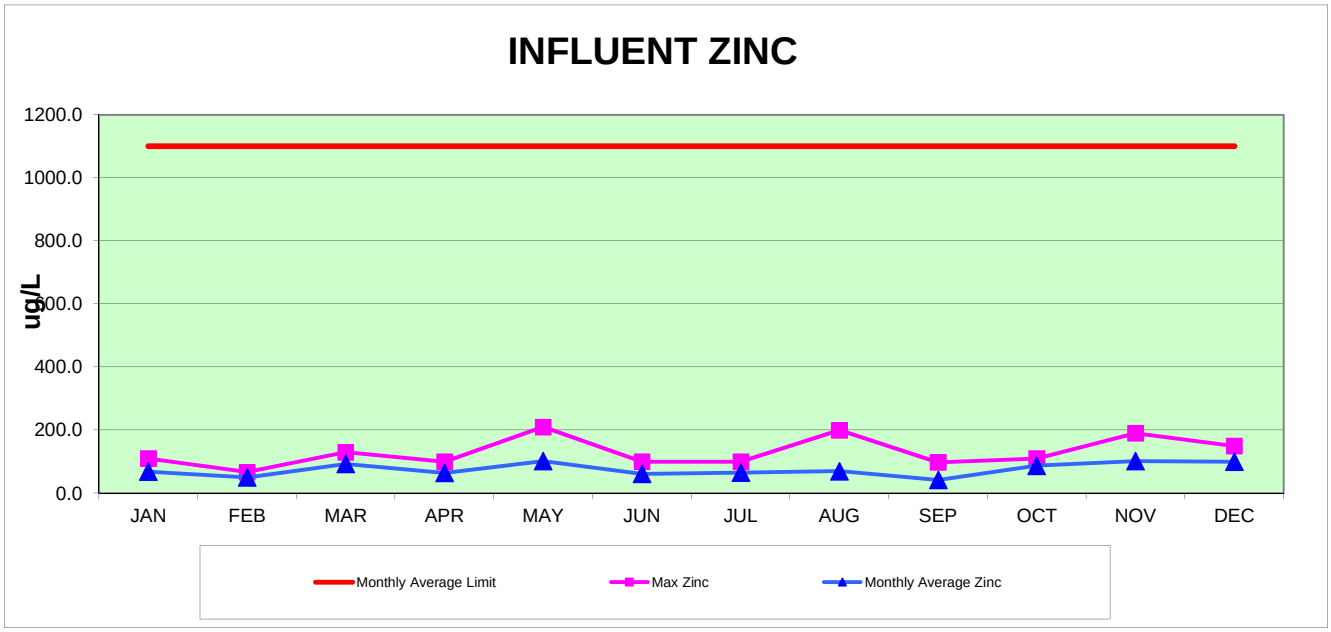

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mthly Limit	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
Max	110.000	67.000	130.000	100.000	210.000	100.000	100.000	200.000	98.000	110.000	190.000	150.000
Average	68.500	50.500	93.200	64.250	101.750	61.600	65.750	69.960	41.950	87.250	101.760	100.250

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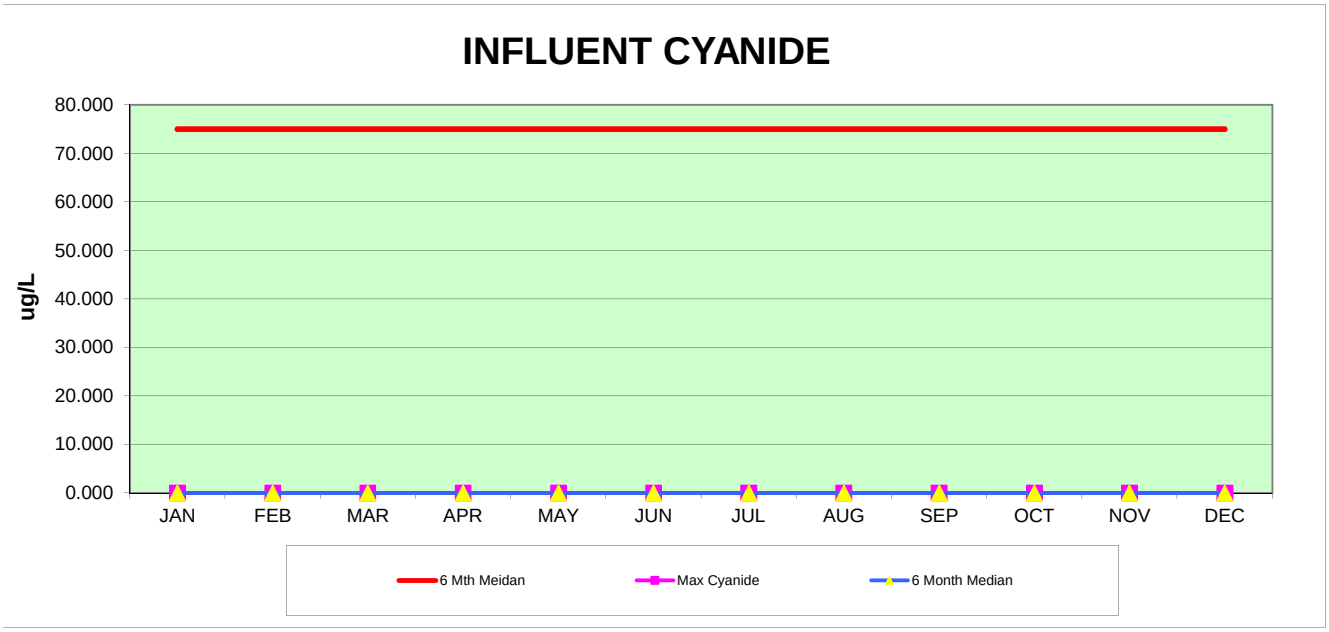

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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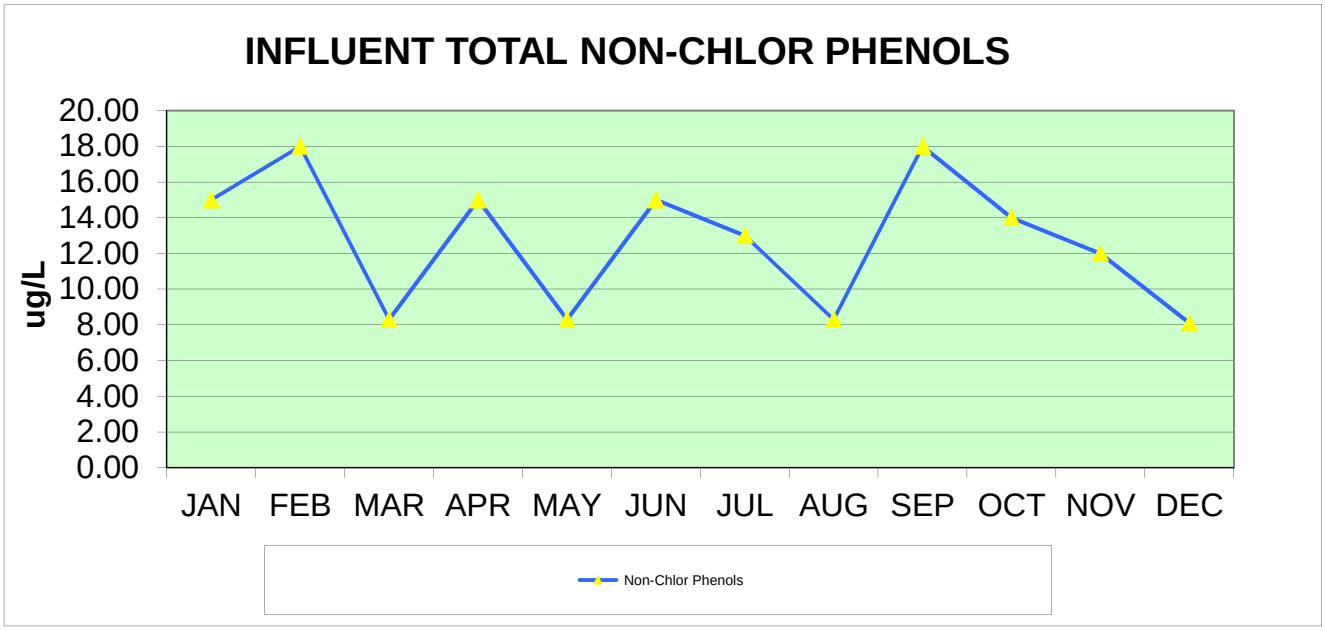

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average	15.000	18.000	8.300	15.000	8.300	15.000	13.000	8.300	18.000	14.000	12.000	8.100

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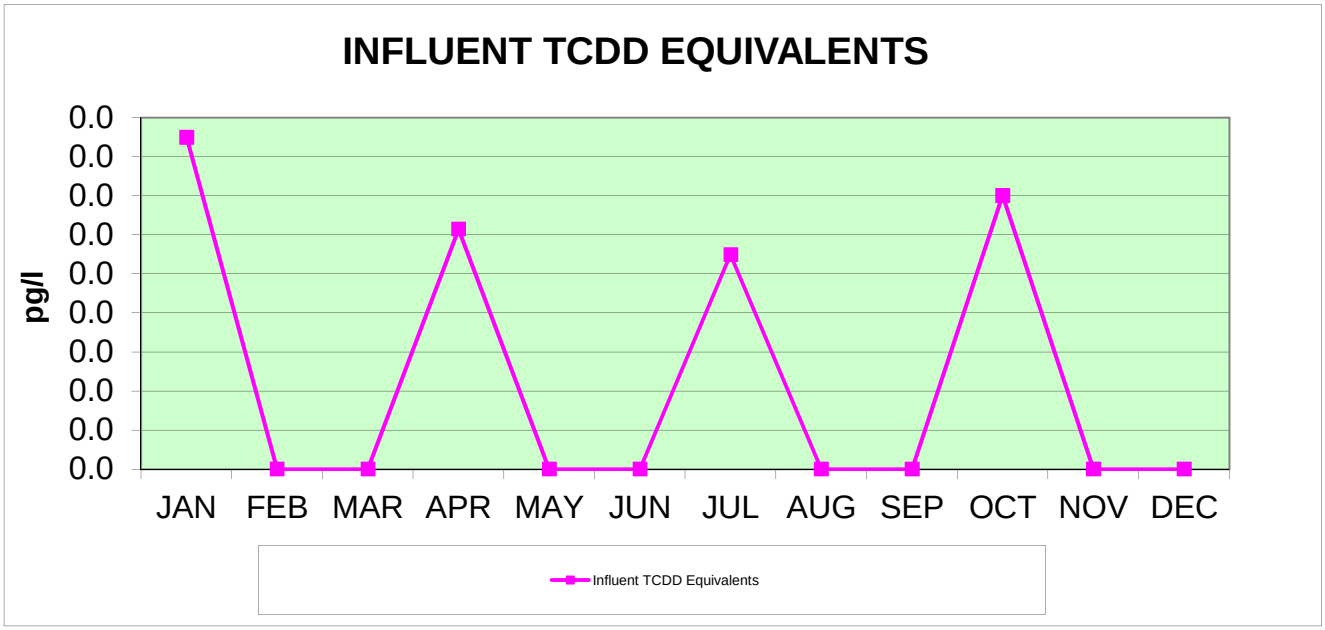

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00

EFFLUENT GRAPHS

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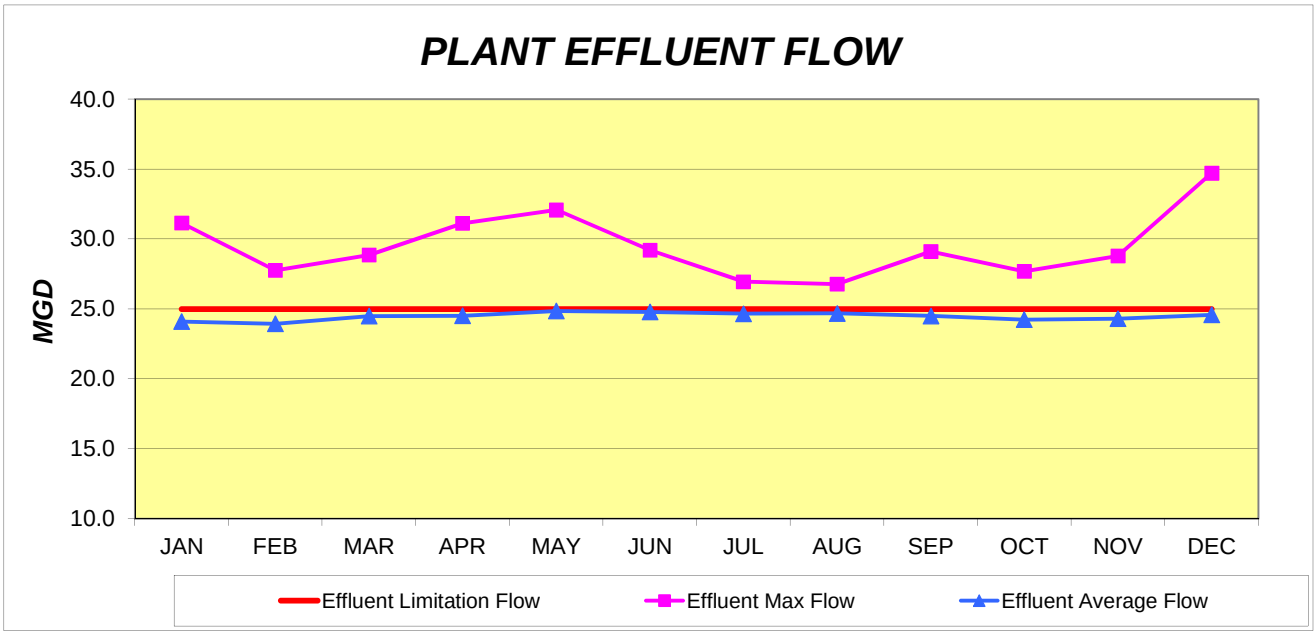

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Max	31.15	27.76	28.87	31.13	32.08	29.20	26.95	26.78	29.11	27.70	28.79	34.73
Average	24.11	23.94	24.49	24.51	24.85	24.79	24.66	24.69	24.50	24.23	24.31	24.58

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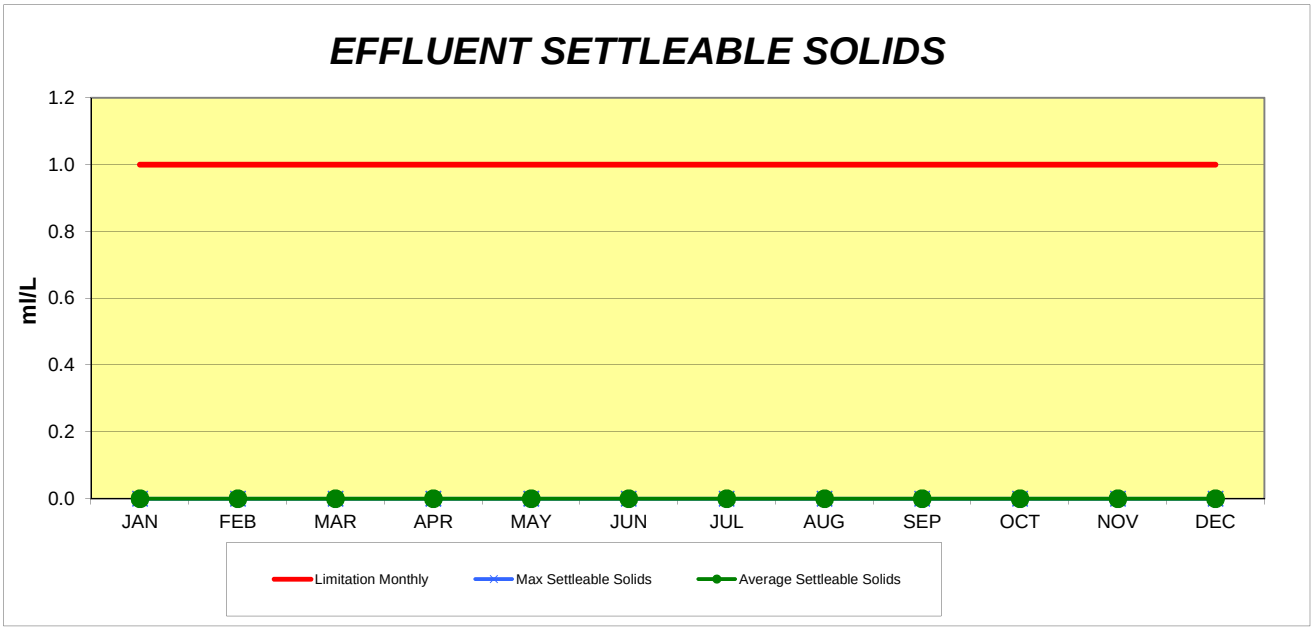

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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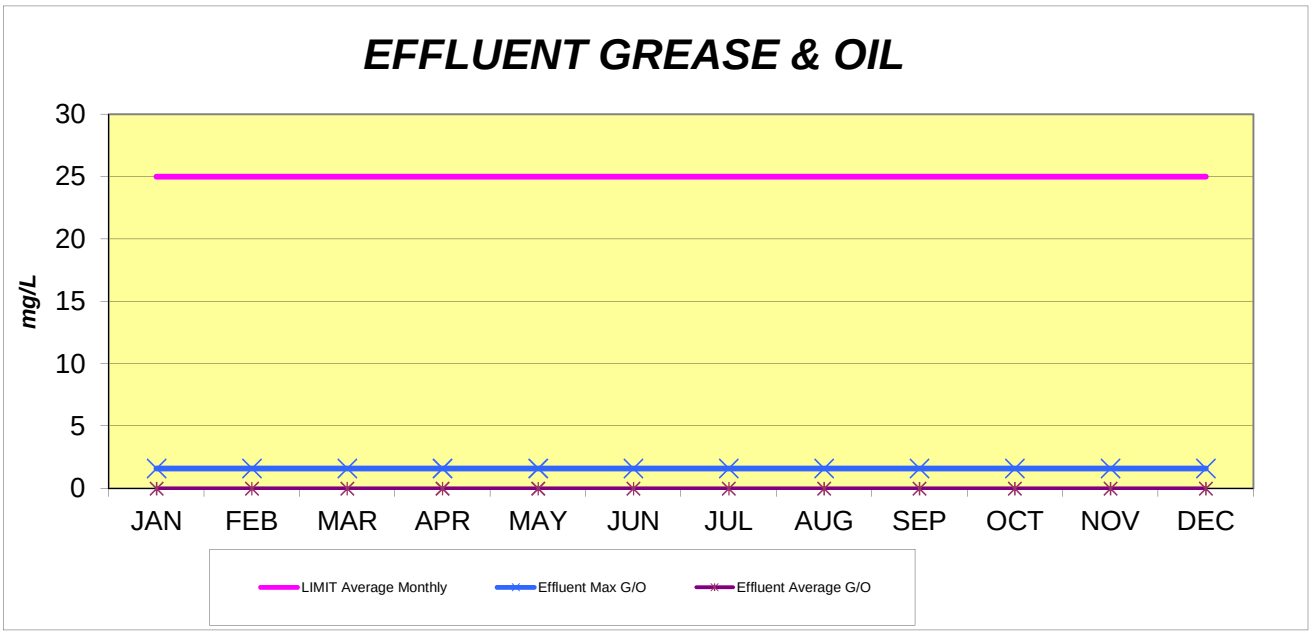

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	25	25	25	25	25	25	25	25	25	25	25	25
Max	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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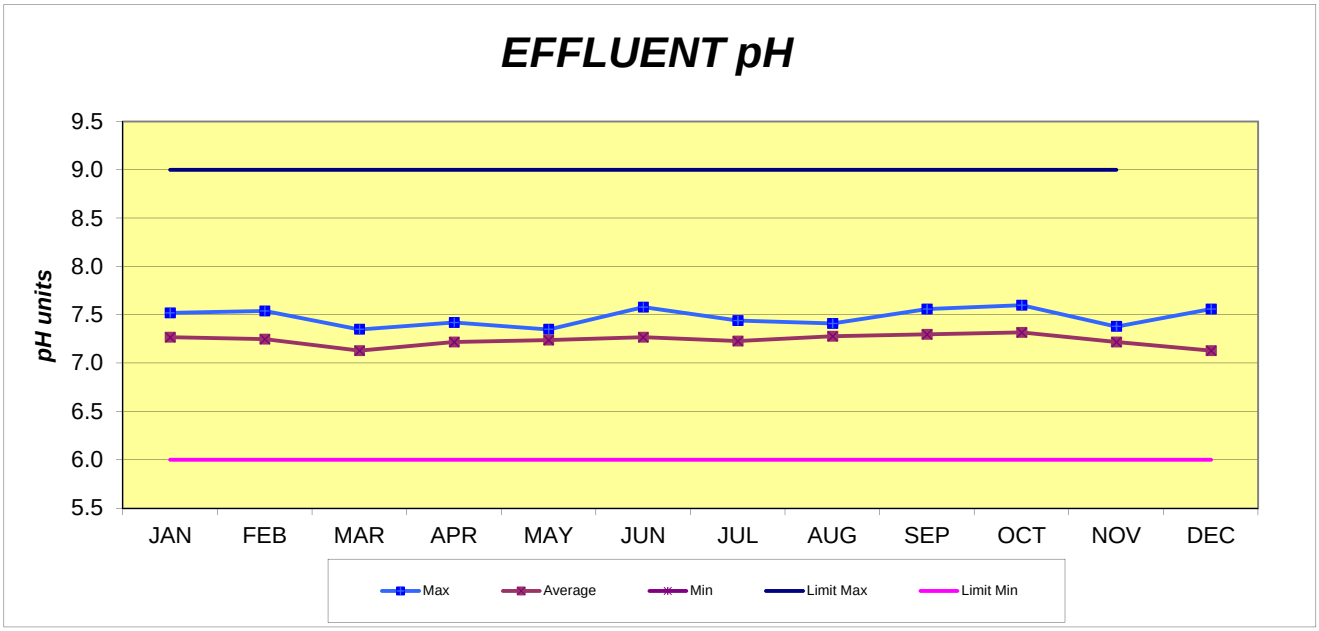

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	9	9	9	9	9	9	9	9	9	9	9	9
Limit Min	6	6	6	6	6	6	6	6	6	6	6	6
Max	7.5	7.5	7.4	7.4	7.4	7.6	7.4	7.4	7.6	7.6	7.4	7.6
Average	7.3	7.3	7.1	7.2	7.2	7.3	7.2	7.3	7.3	7.3	7.2	7.1
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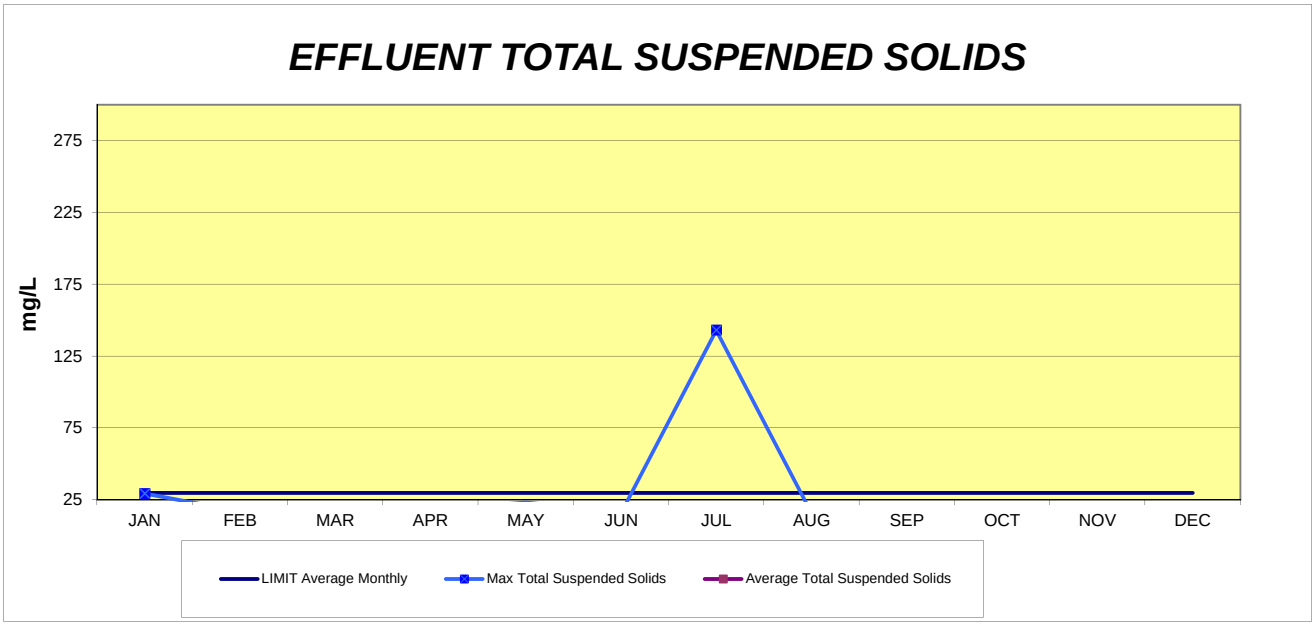

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	30	30	30	30	30	30	30	30	30	30	30	30
Max	29	17	14	18	23	16	143	16	18	17	18	18
Average	12	12	11	11	9	9	15	10	11	9	10	10

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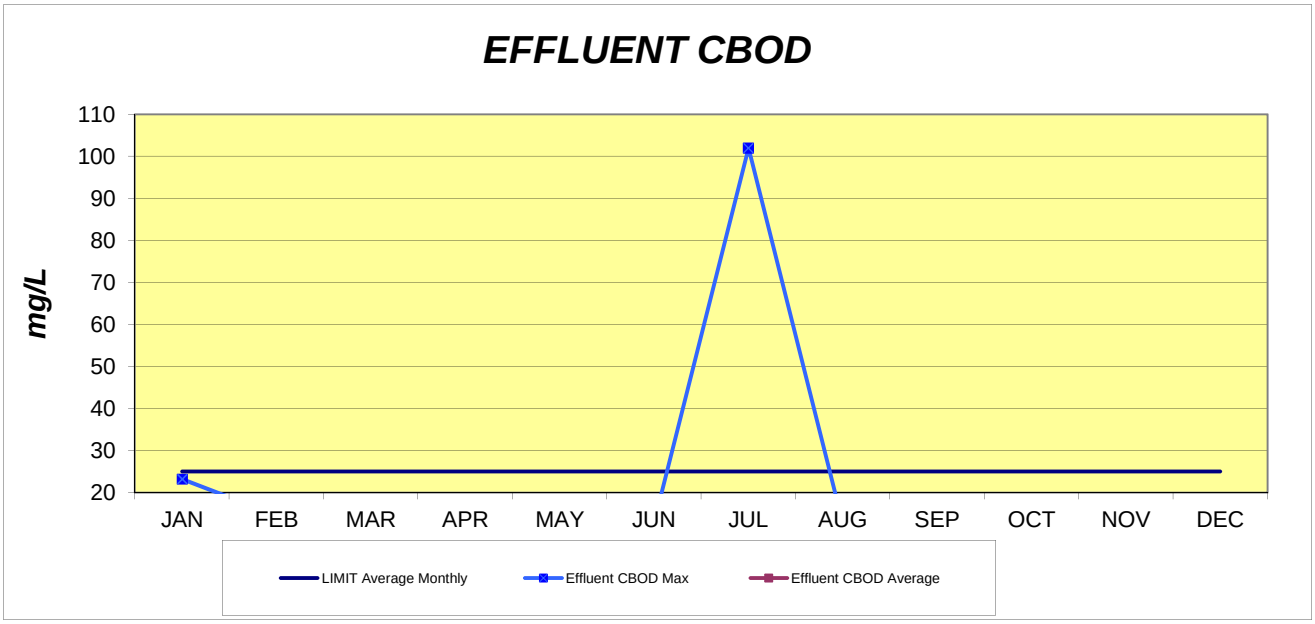

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	25	25	25	25	25	25	25	25	25	25	25	25
Max	23	15	13	14	19	13	102	13	14	14	15	15
Average	11	10	9	9	8	8	13	9	9	8	8	8

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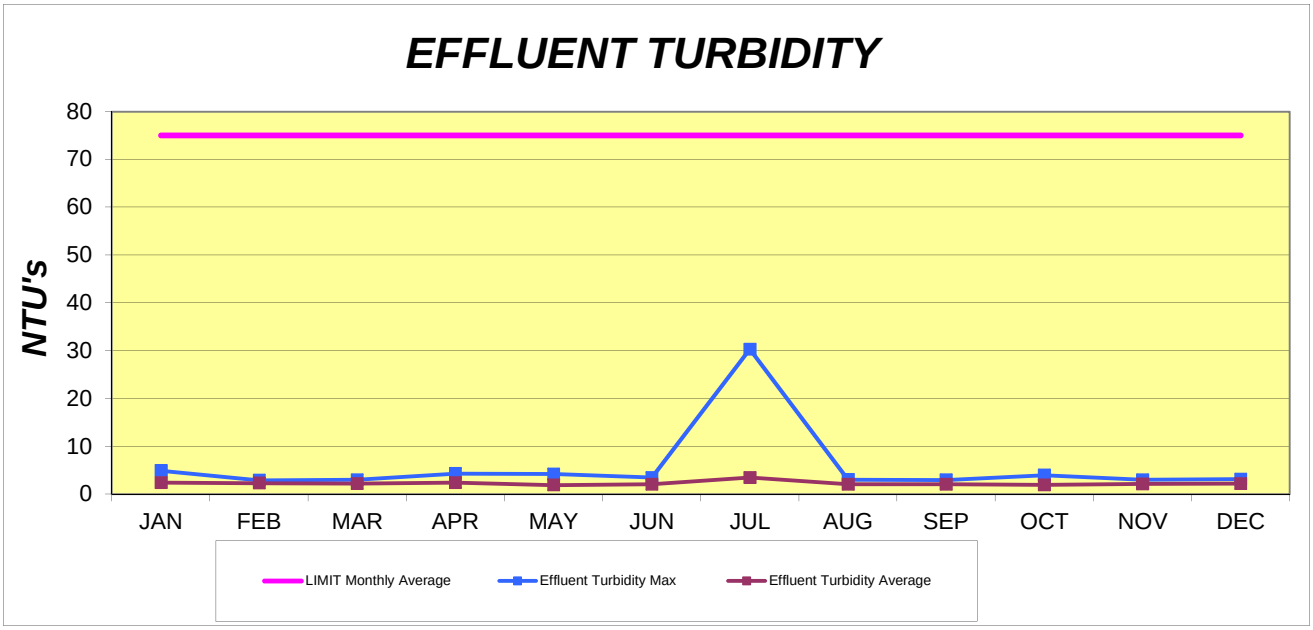

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Monthly Avg.	75	75	75	75	75	75	75	75	75	75	75	75
Max	4.9	2.9	3.0	4.3	4.2	3.5	30.3	3.0	3.0	4.0	3.0	3.1
Average	2.4	2.3	2.2	2.4	1.9	2.1	3.5	2.1	2.1	2.0	2.1	2.2

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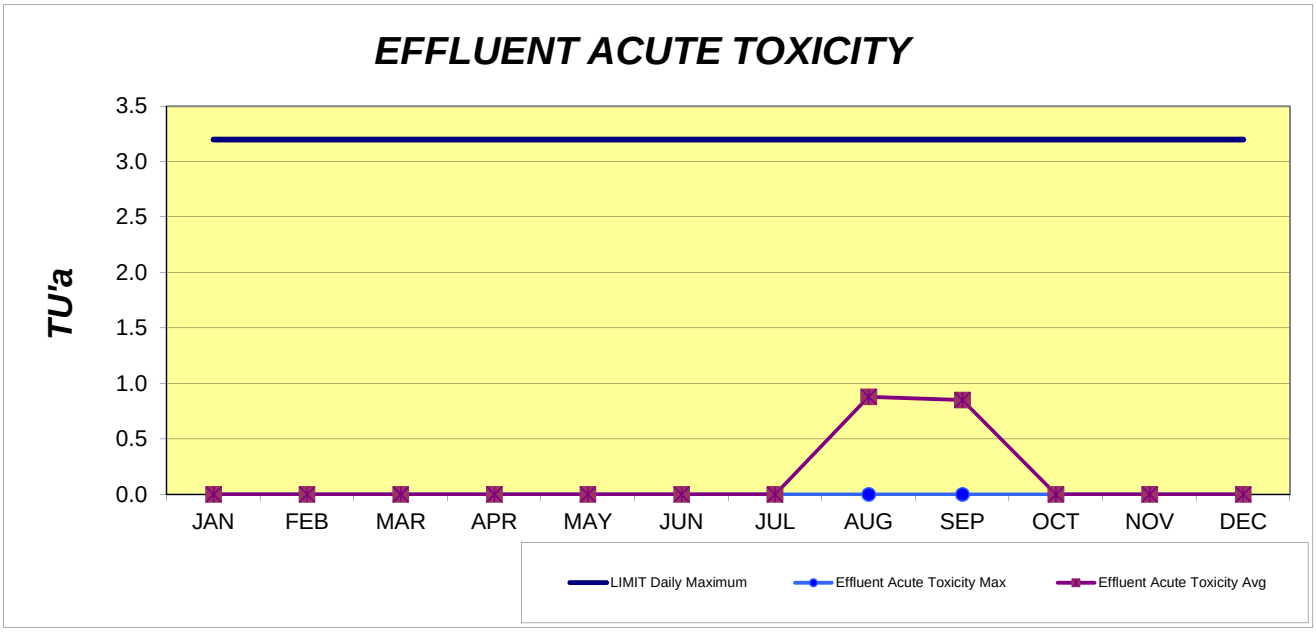

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0

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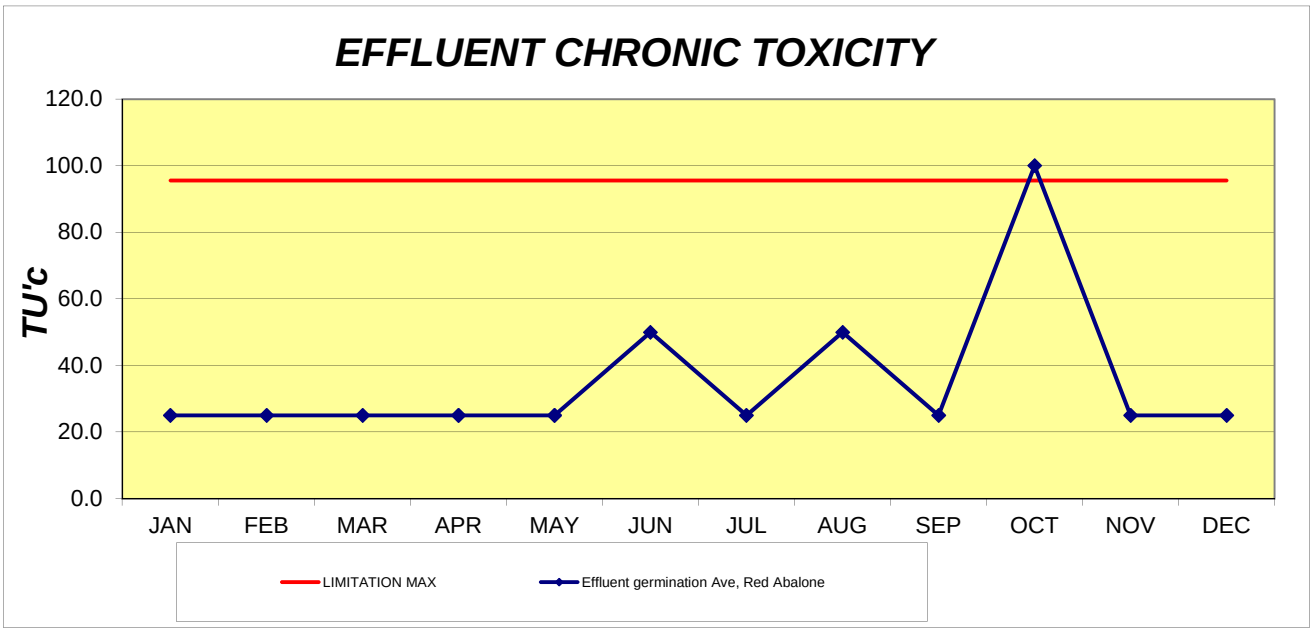

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
Red Abalone, Germ.	25.0	25.0	25.0	25.0	25.0	50.0	25.0	50.0	25.0	100.0	25.0	25.0

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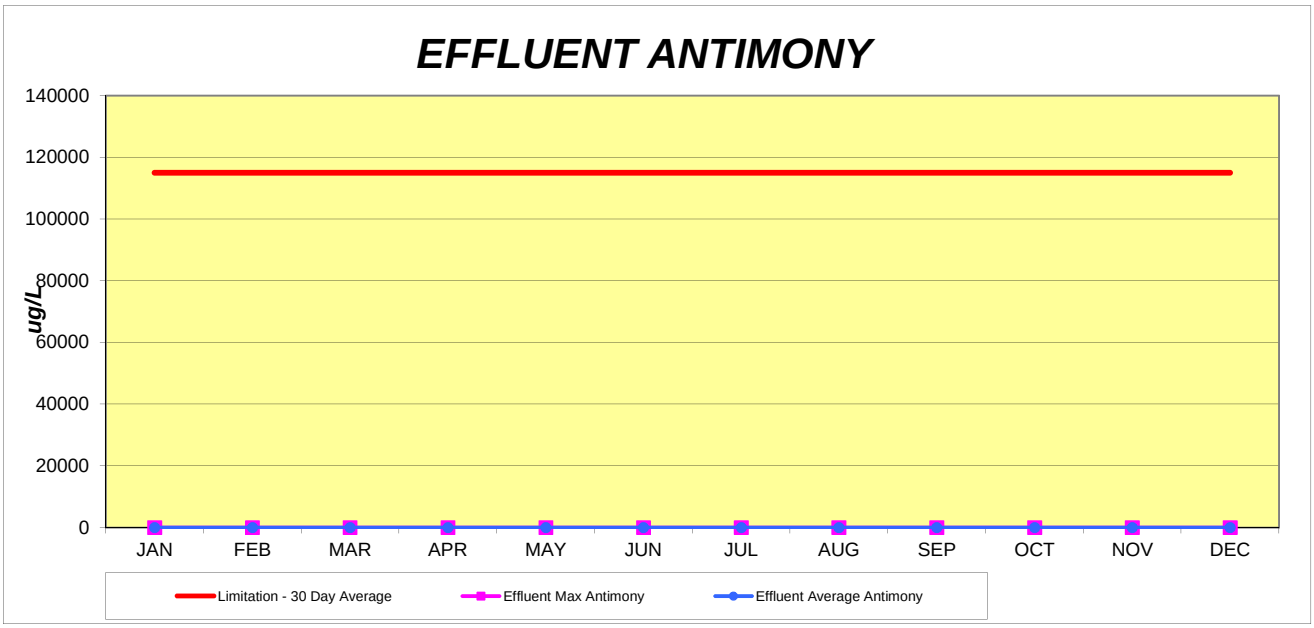

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000	115000
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000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

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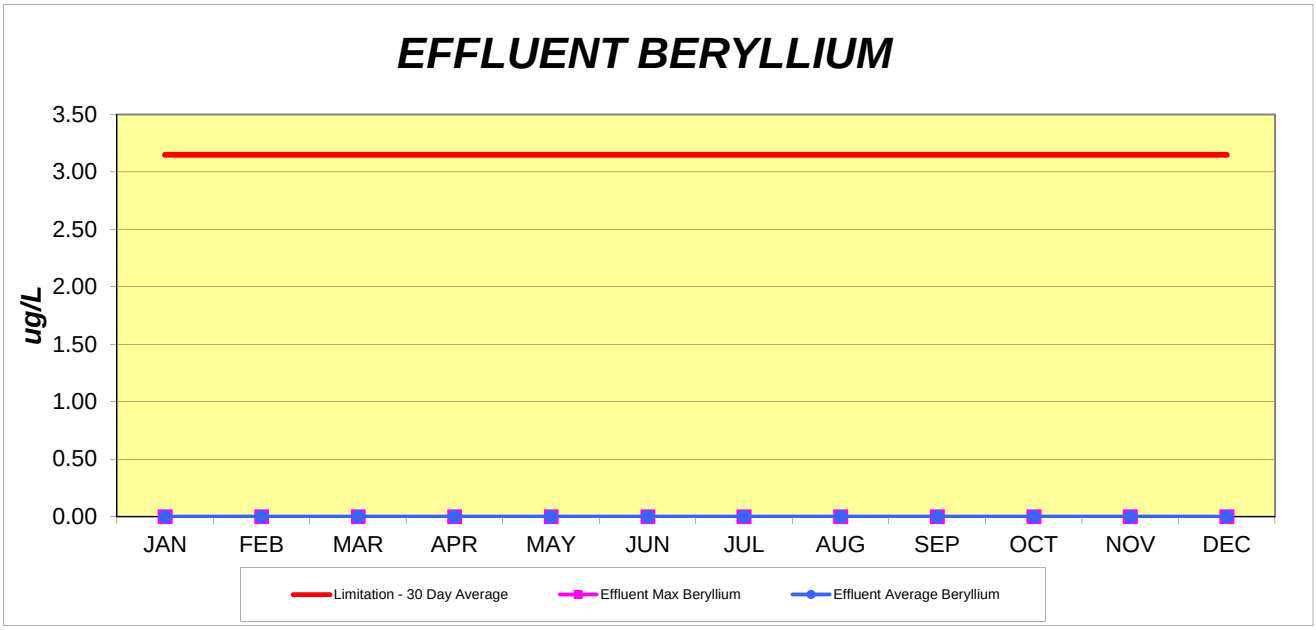

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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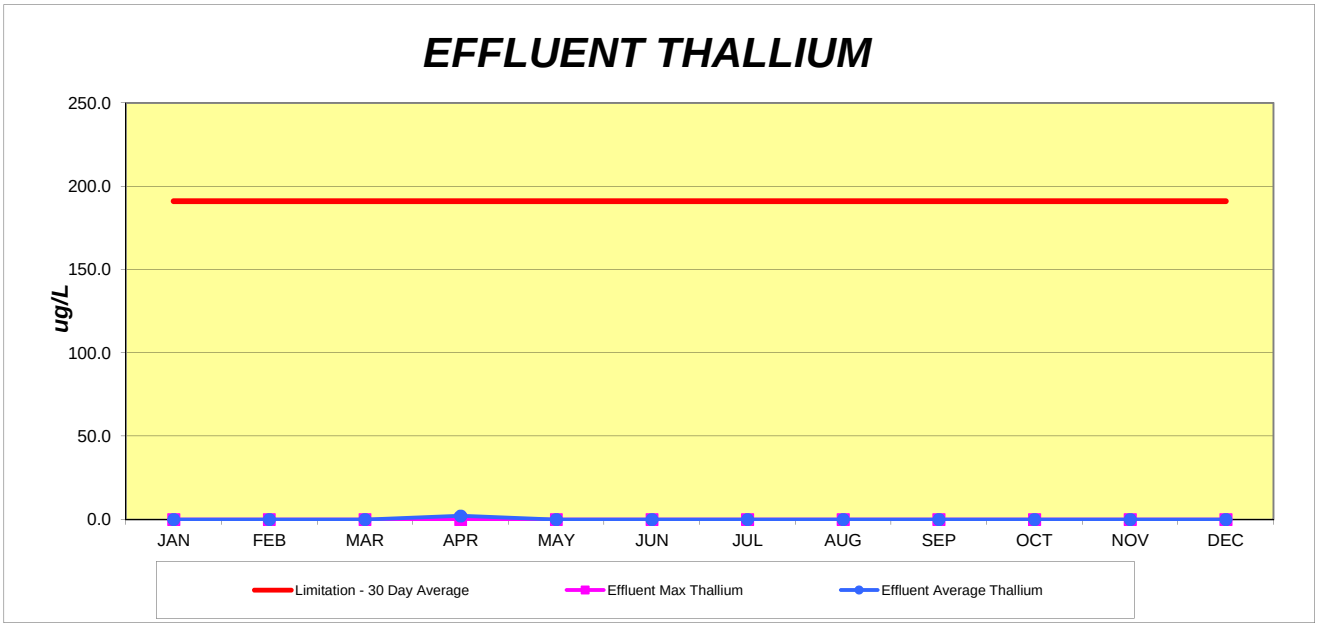

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0	191.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	2.2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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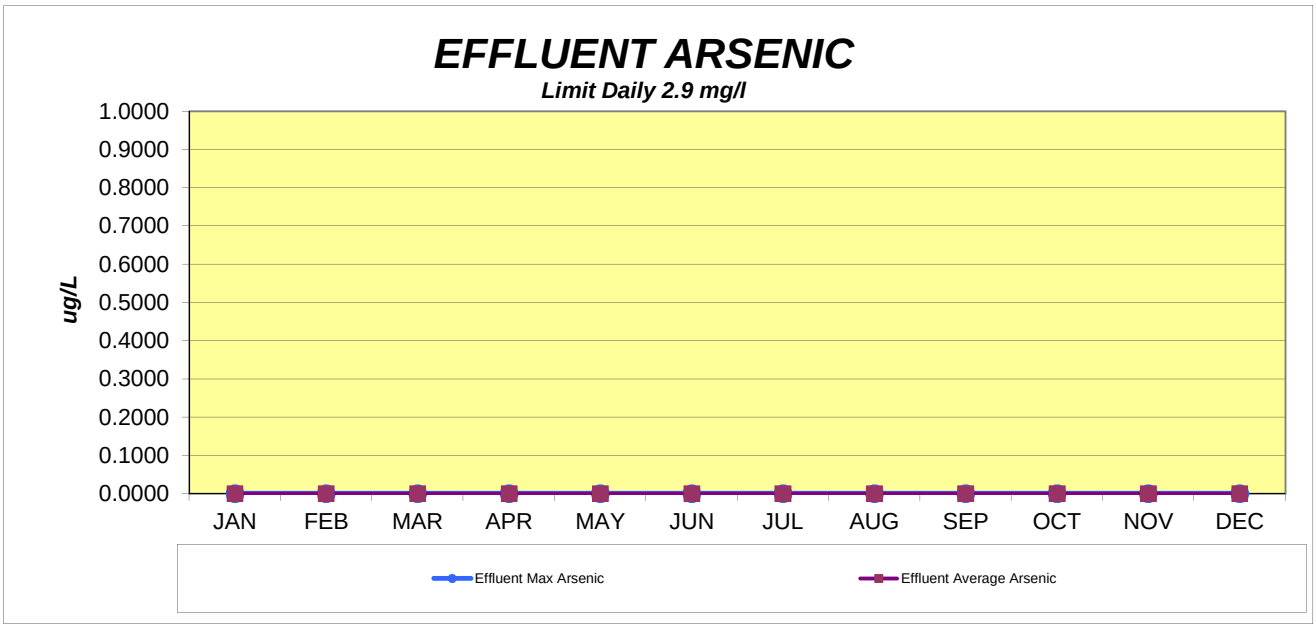

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0	2780.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000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

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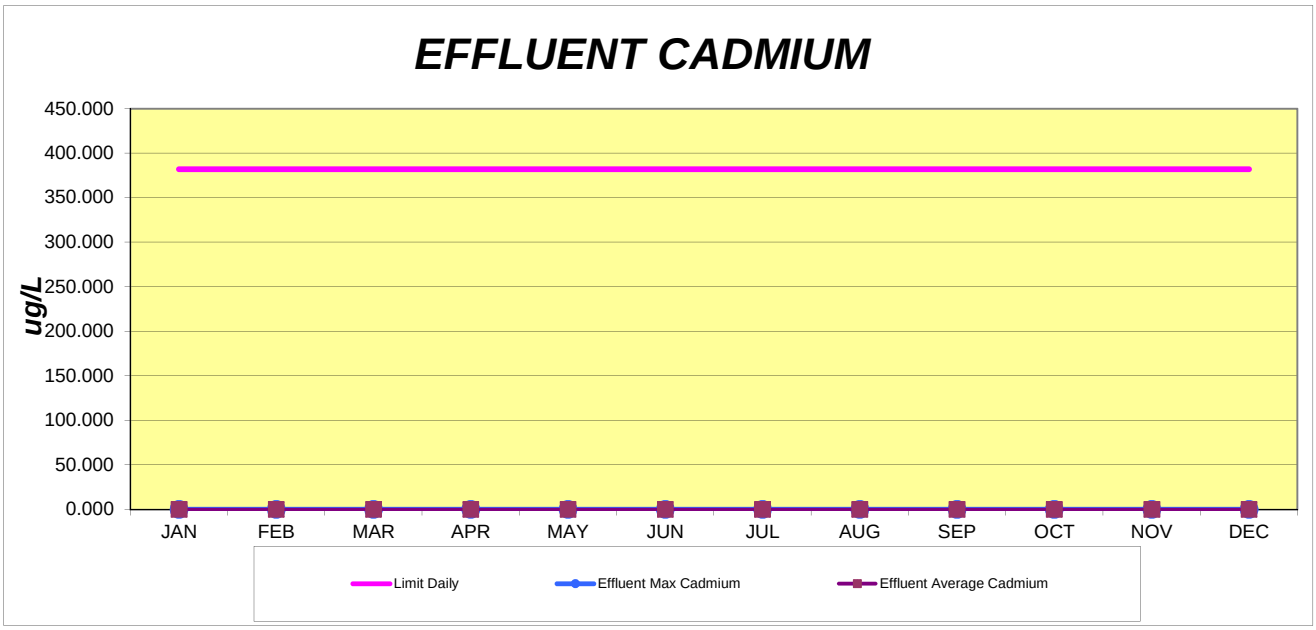

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000	382.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000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

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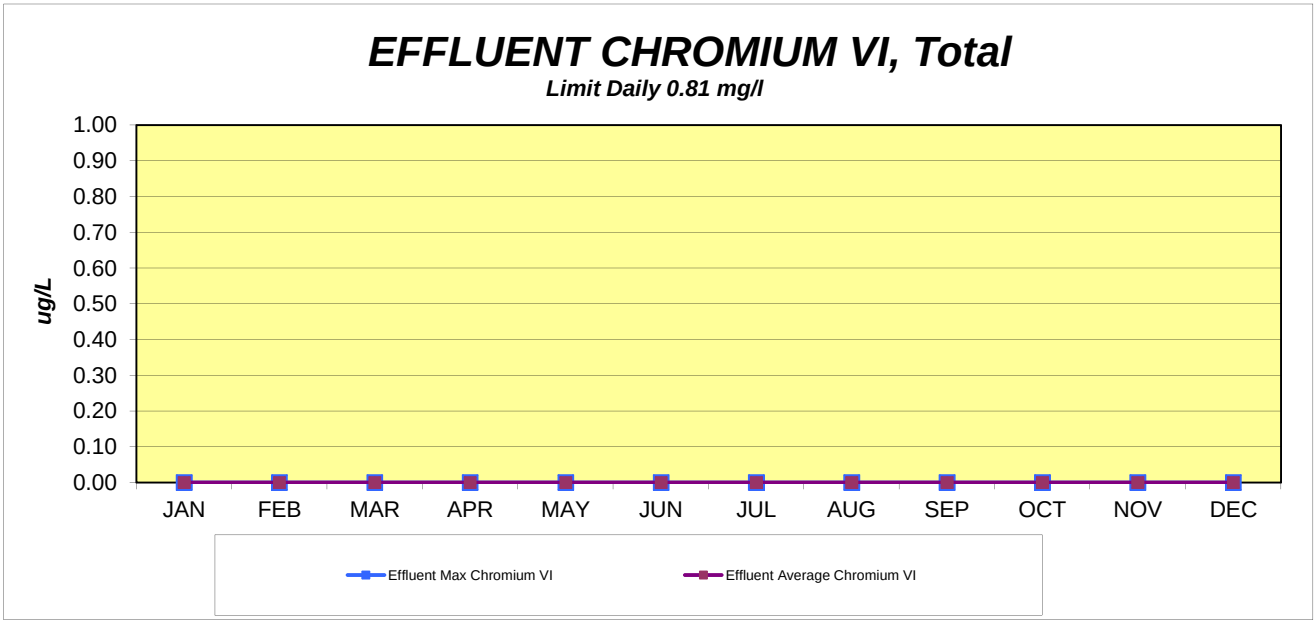

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000

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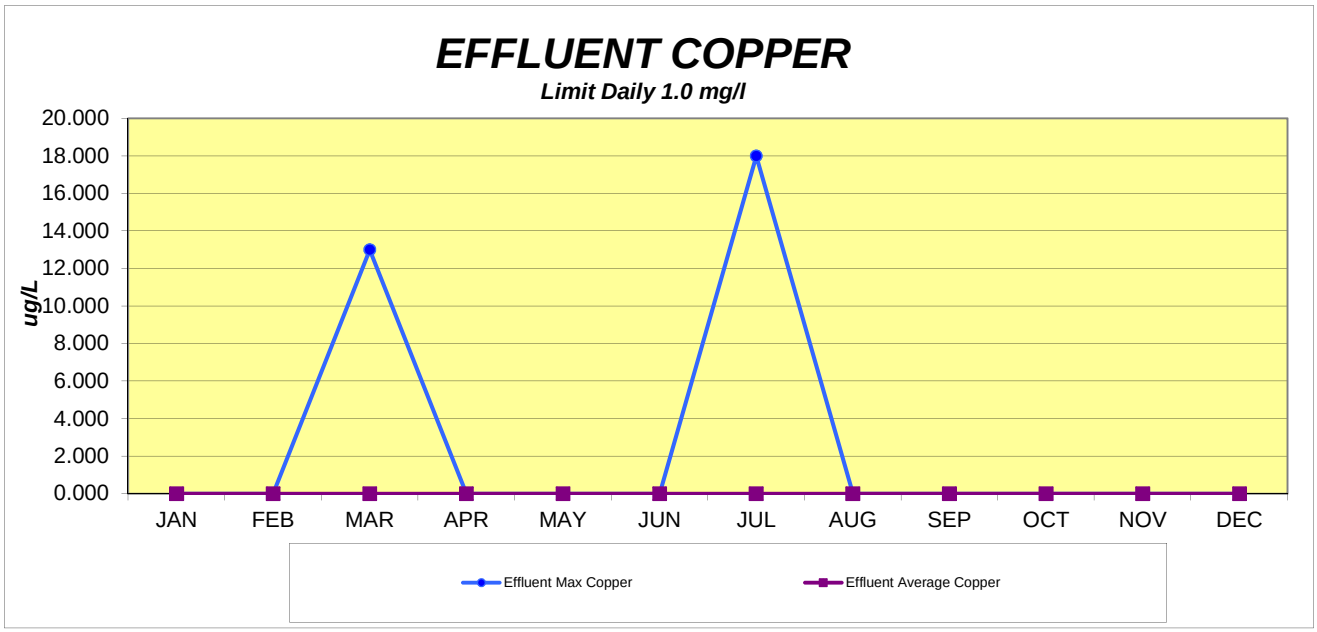

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0	958.0
Max	0.000	0.000	13.000	0.000	0.000	0.000	18.000	0.000	0.000	0.000	0.000	0.000
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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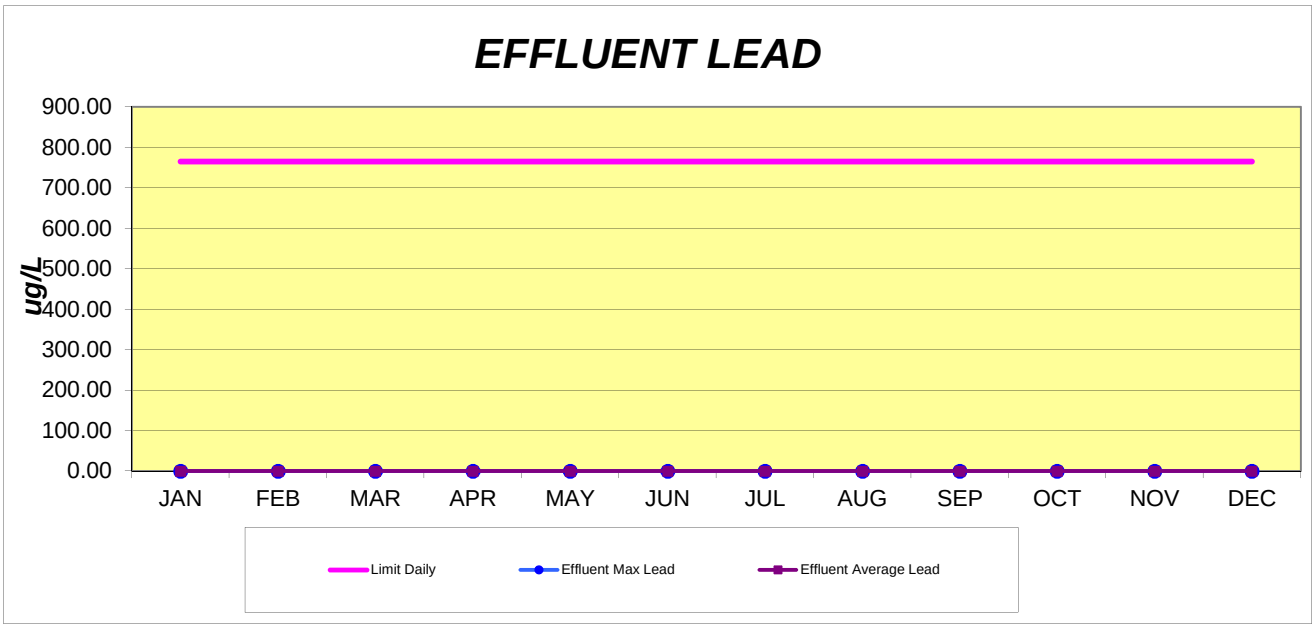

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00	765.00
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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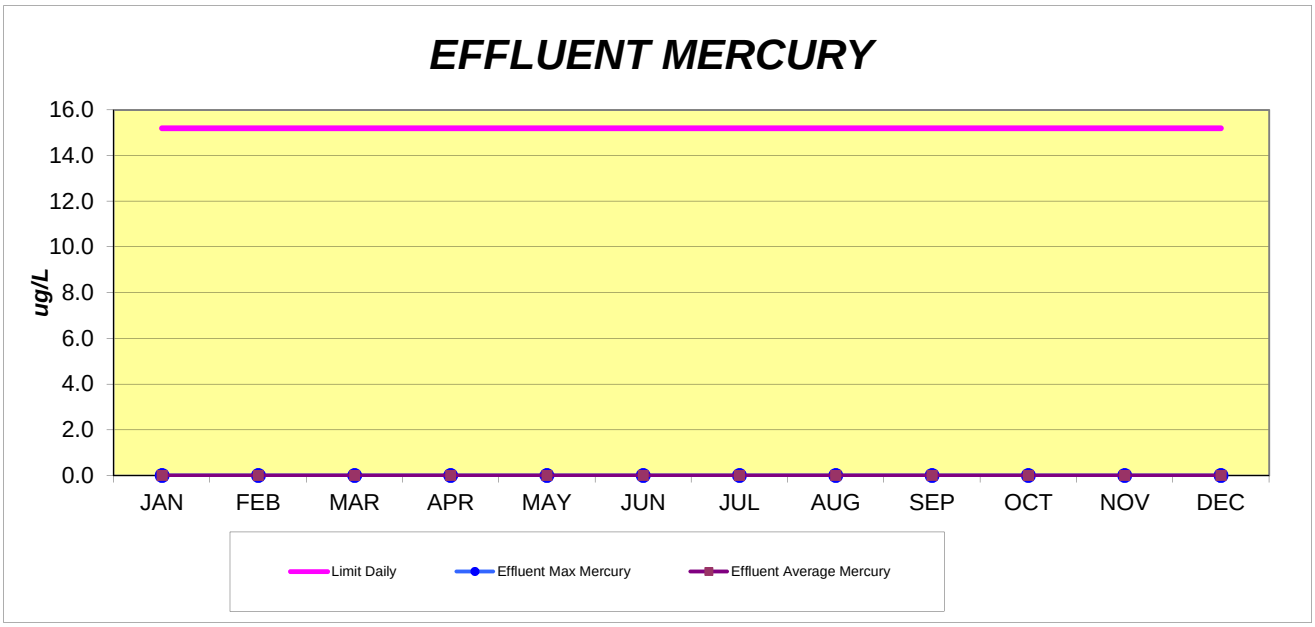

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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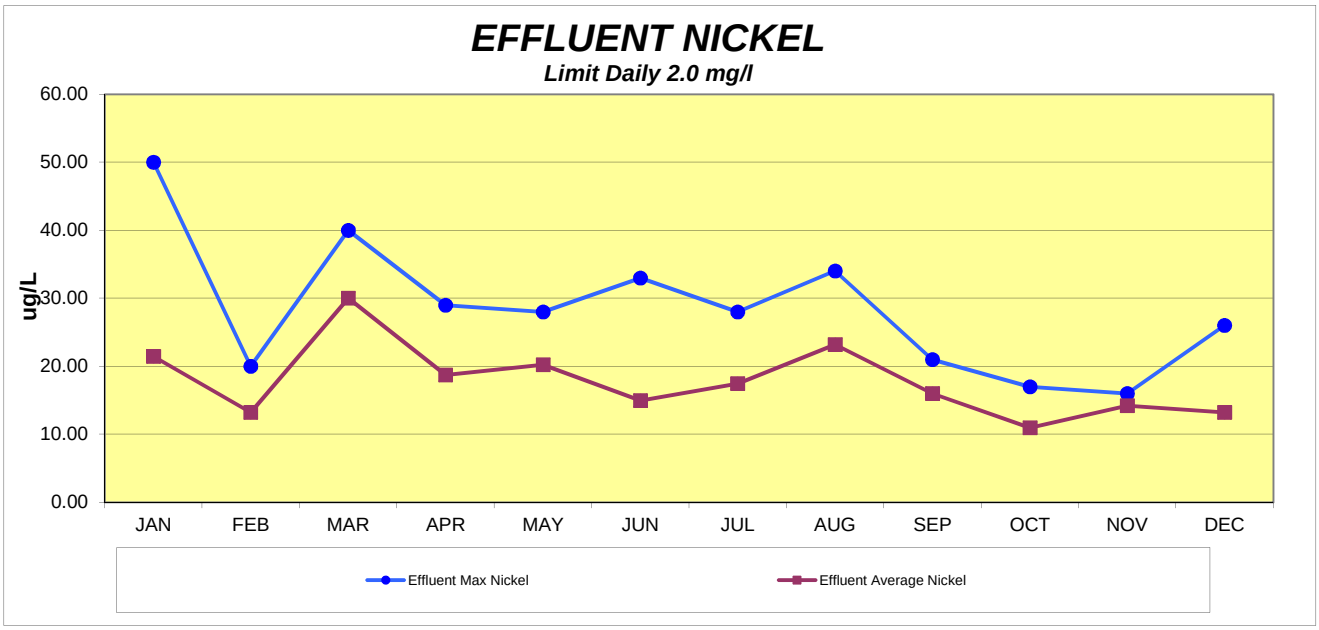

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0
Max	50.00	20.00	40.00	29.00	28.00	33.00	28.00	34.00	21.00	17.00	16.00	26.00
Average	21.48	13.23	30.00	18.73	20.25	14.96	17.48	23.20	16.00	10.98	14.20	13.23

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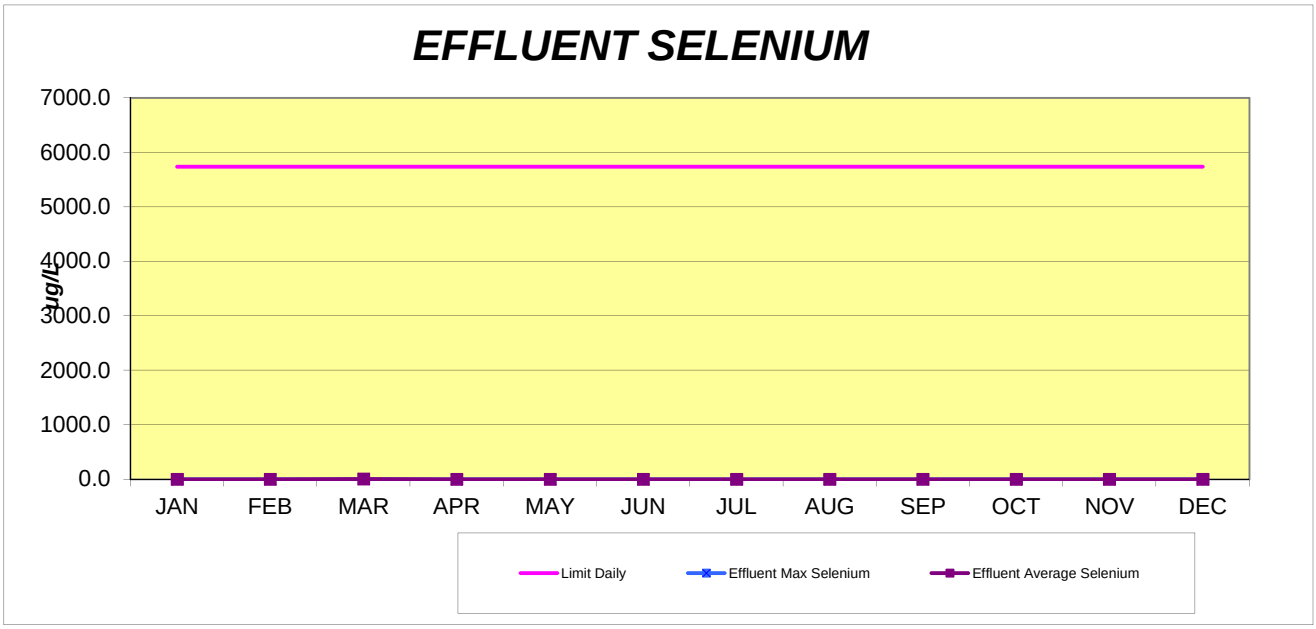

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0	5740.0
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	2.6852	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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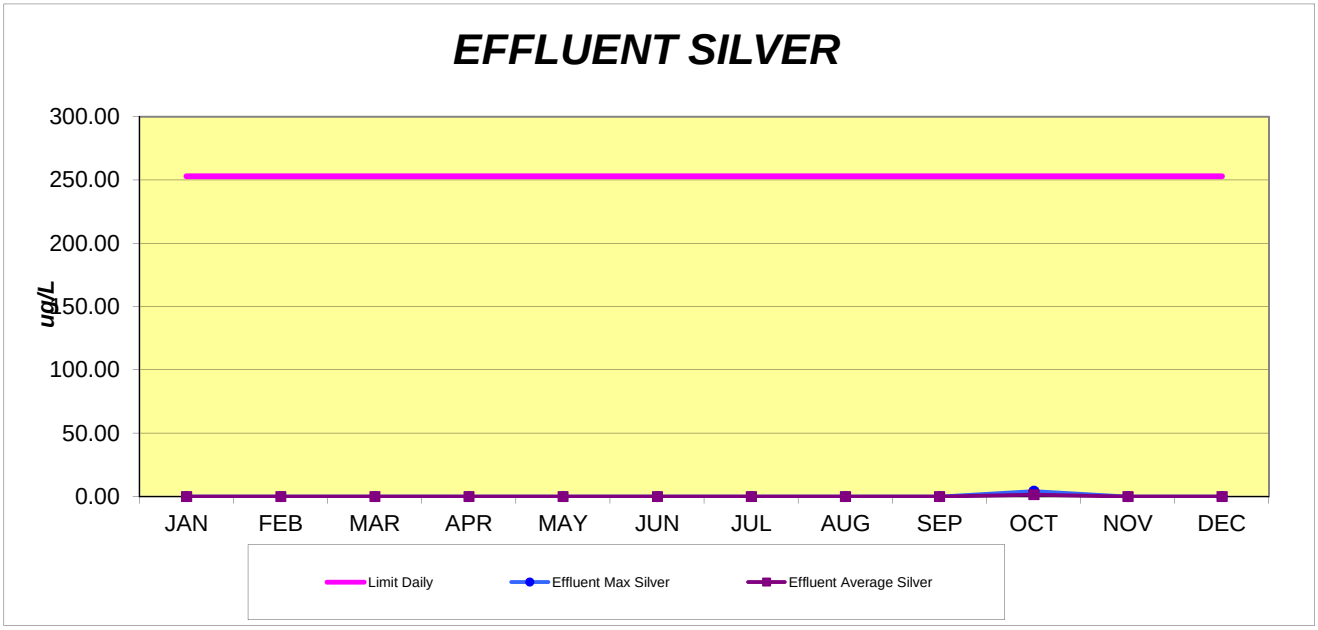

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00	253.00
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.300	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.600	0.000	0.000

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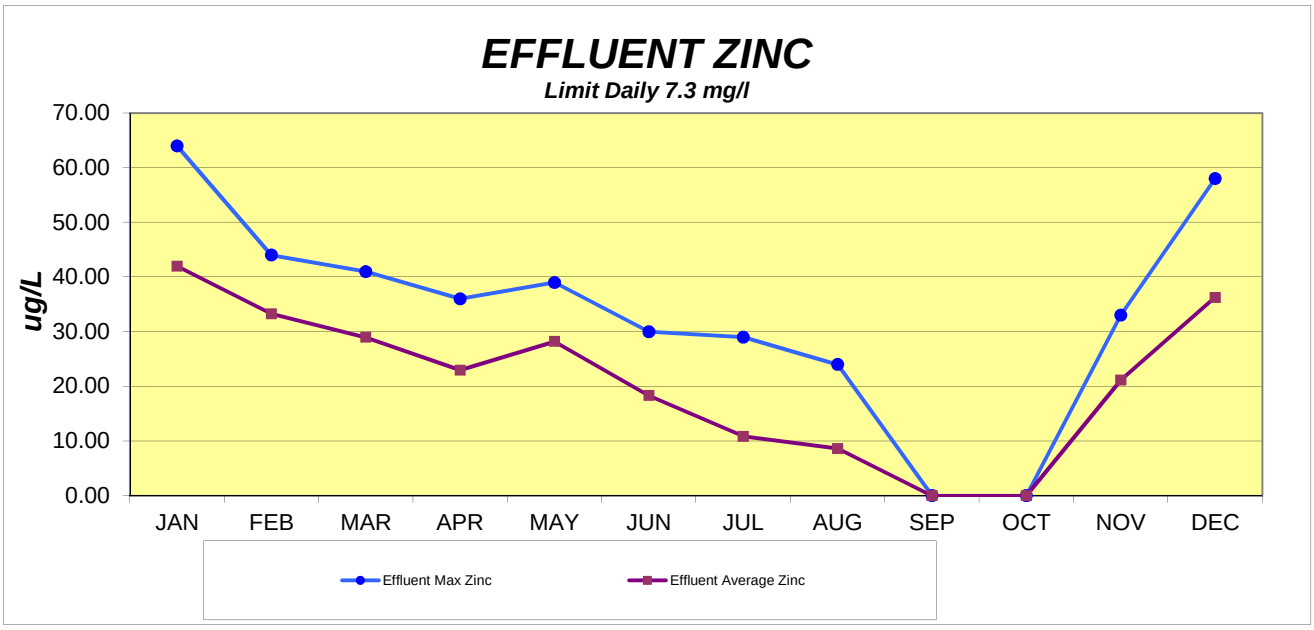

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0	6890.0
Max	64.00	44.00	41.00	36.00	39.00	30.00	29.00	24.00	0.00	0.00	33.00	58.00
Average	42.00	33.25	28.96	22.95	28.20	18.32	10.85	8.64	0.00	0.00	21.12	36.25

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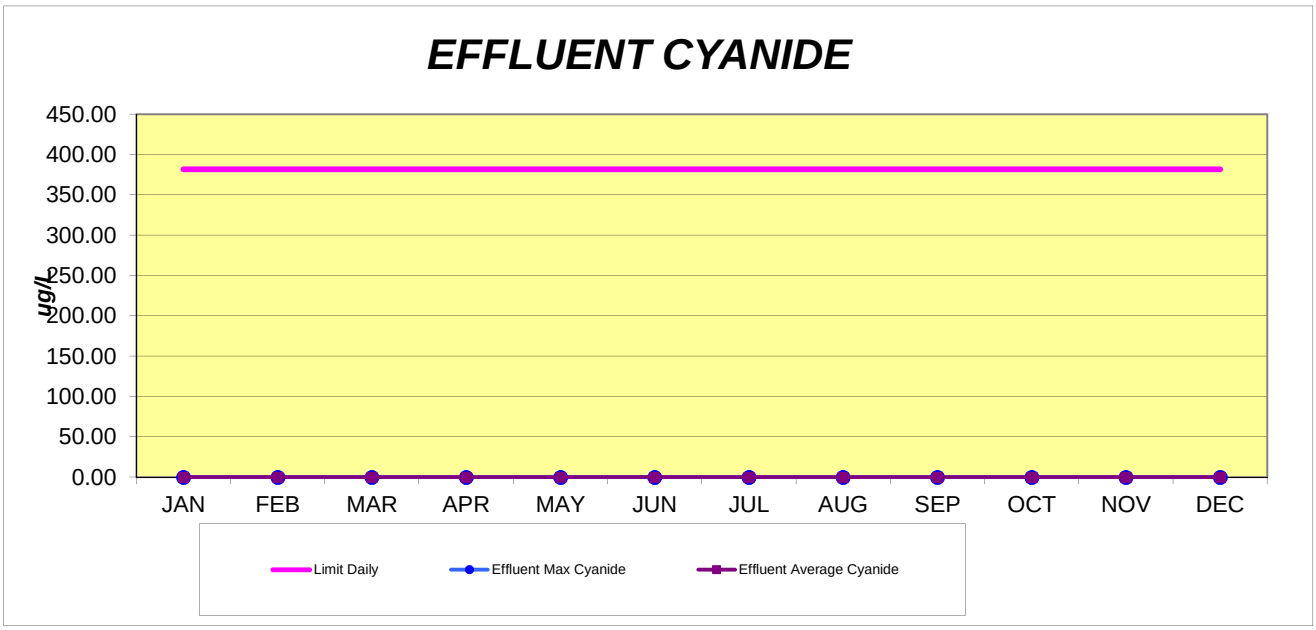

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00	382.00
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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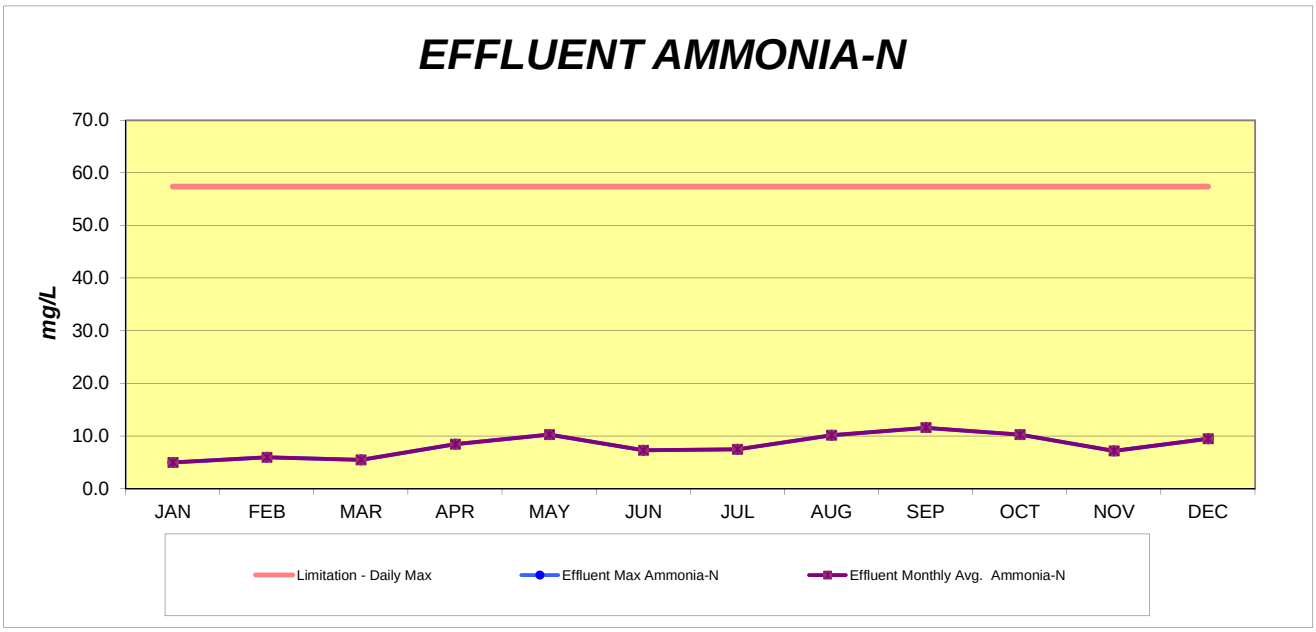

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Daily Max	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
Max	5.0	6.0	5.5	8.5	10.3	7.3	7.5	10.2	11.6	10.3	7.2	9.5
Monthly Avg.	5.0	6.0	5.5	8.5	10.3	7.3	7.5	10.2	11.6	10.3	7.2	9.5

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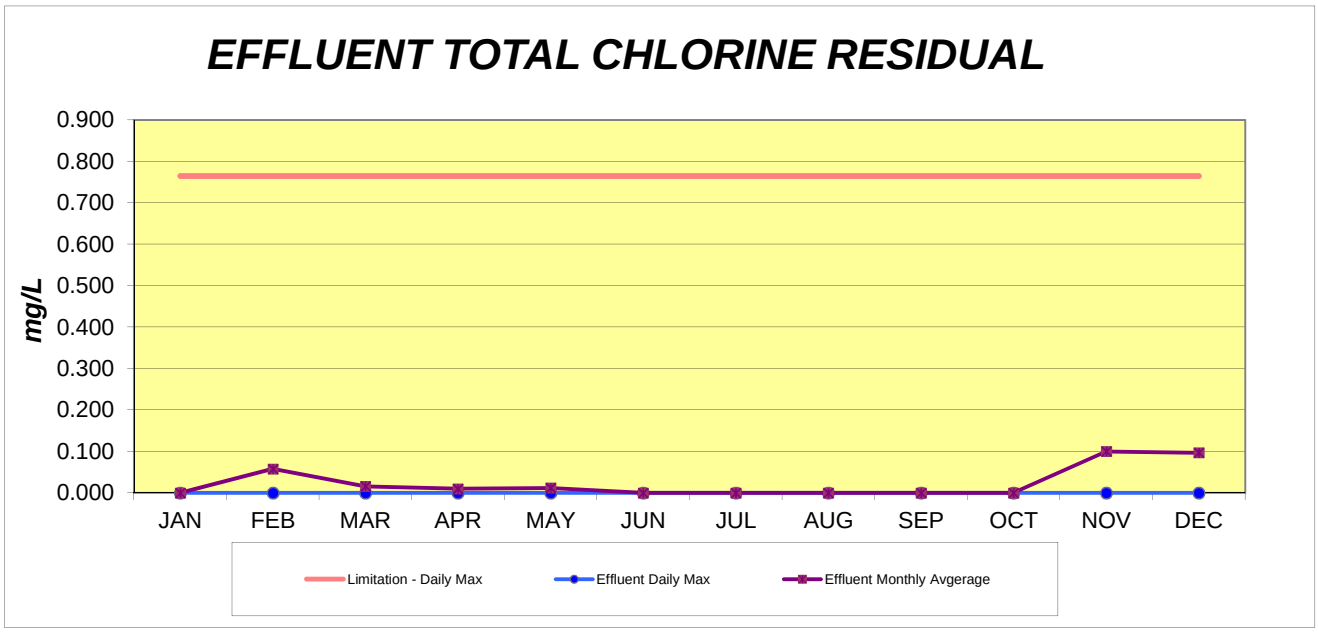

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Daily Max	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765	0.765
Daily Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Monthly Avg.	0.00	0.06	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.10

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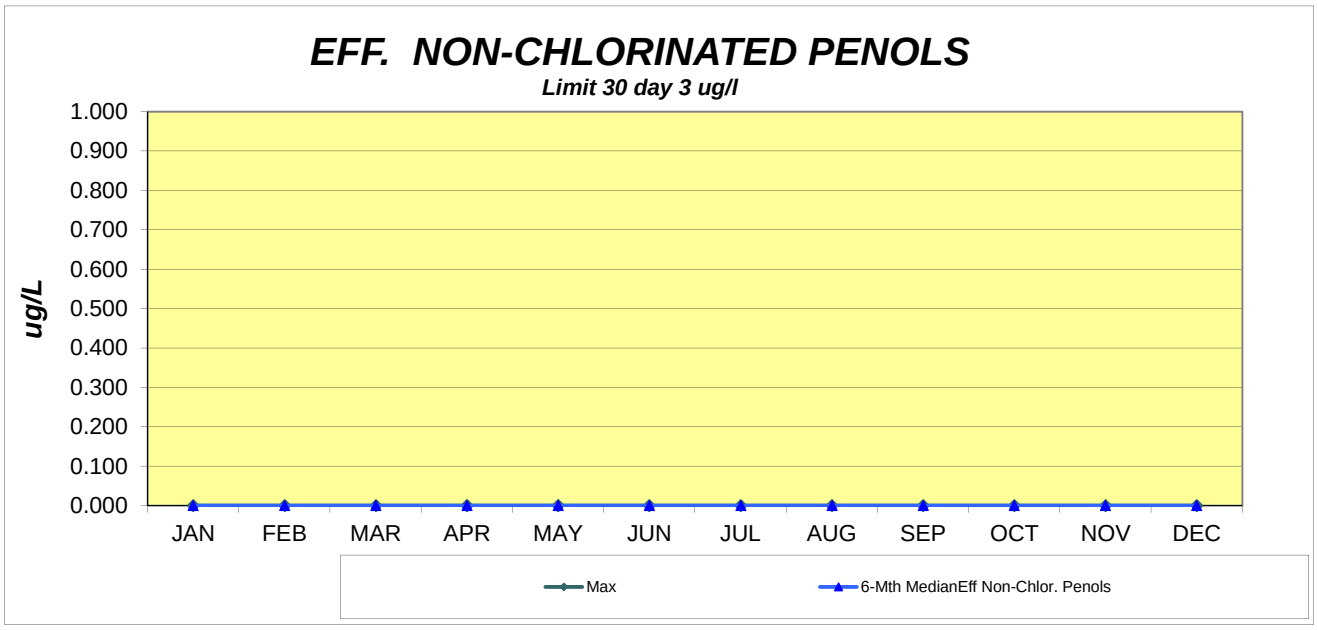

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6- Mth Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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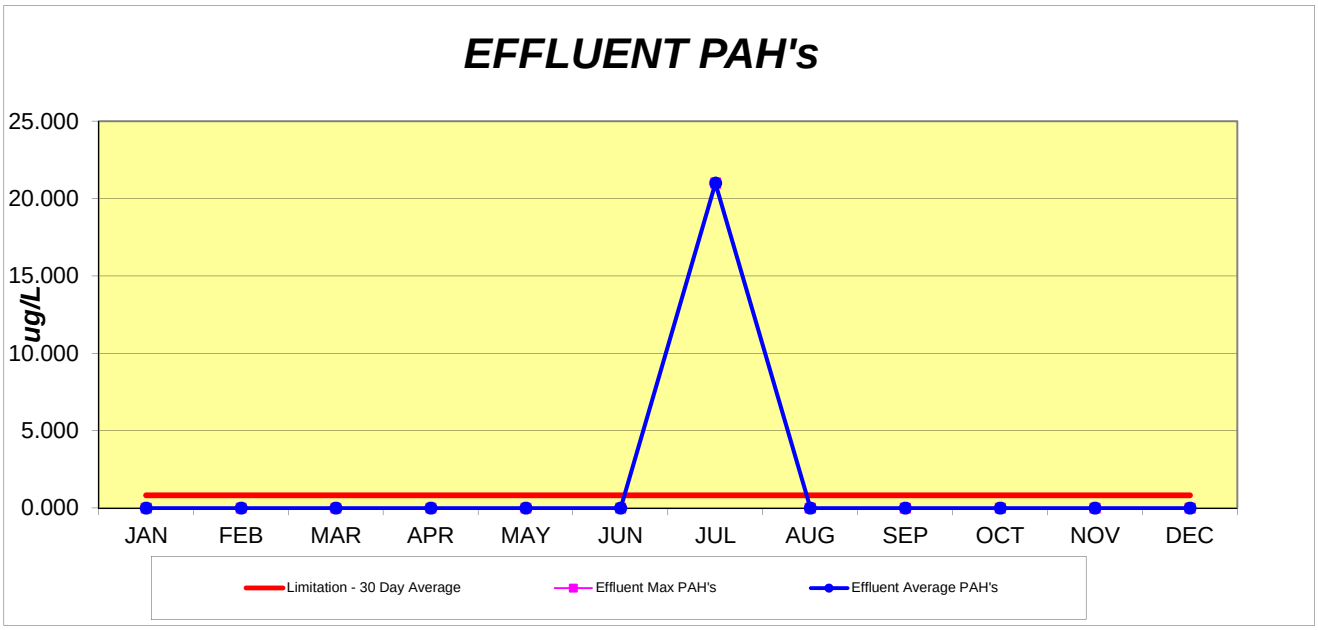

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841
Max	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00

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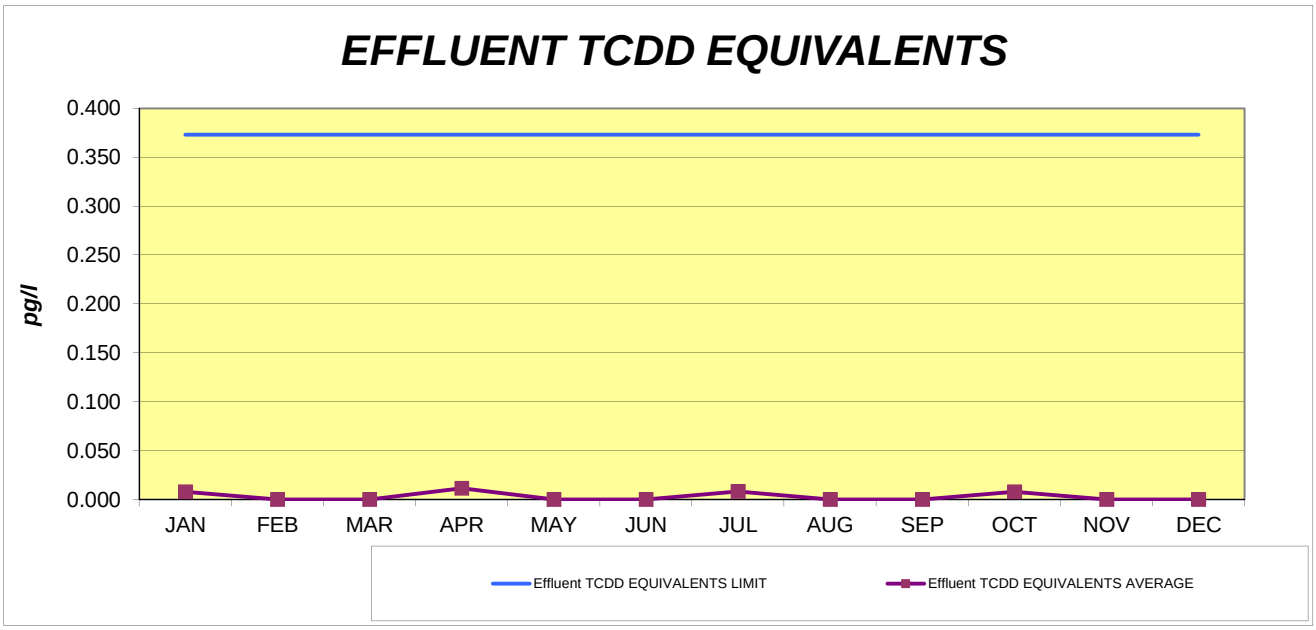

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373
Average	0.008	0.000	0.000	0.012	0.000	0.000	0.008	0.000	0.000	0.008	0.000	0.000

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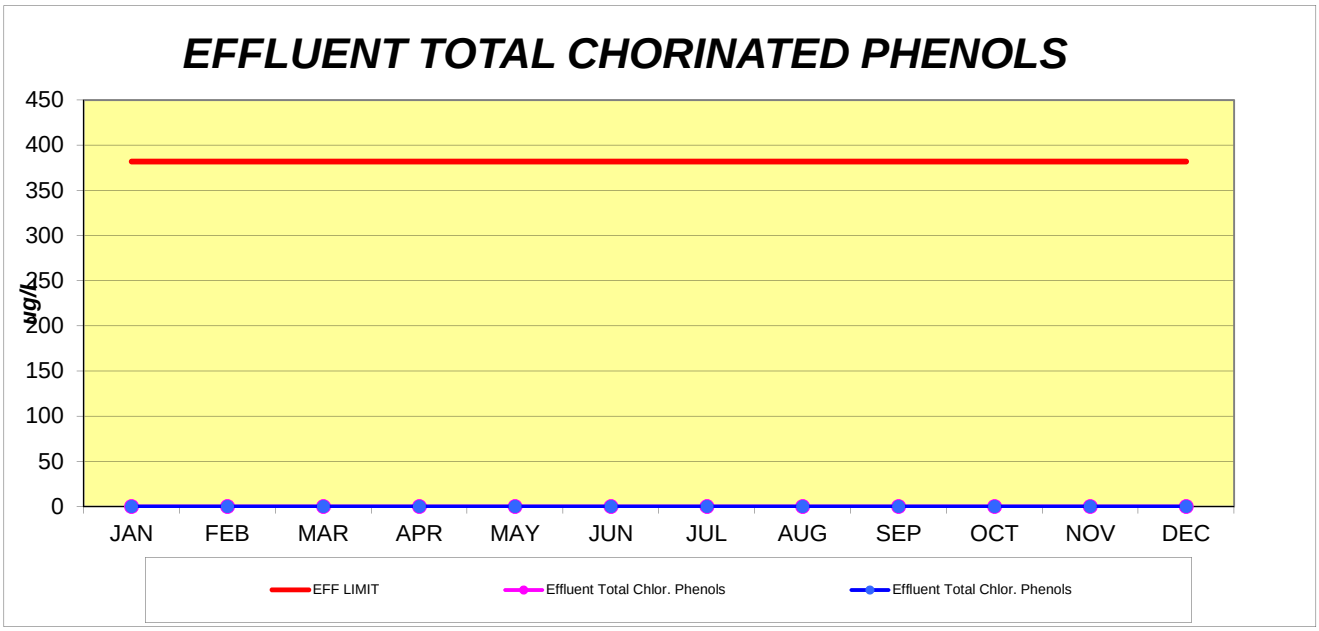

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Daily Max	382	382	382	382	382	382	382	382	382	382	382	382
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Monthly Avg.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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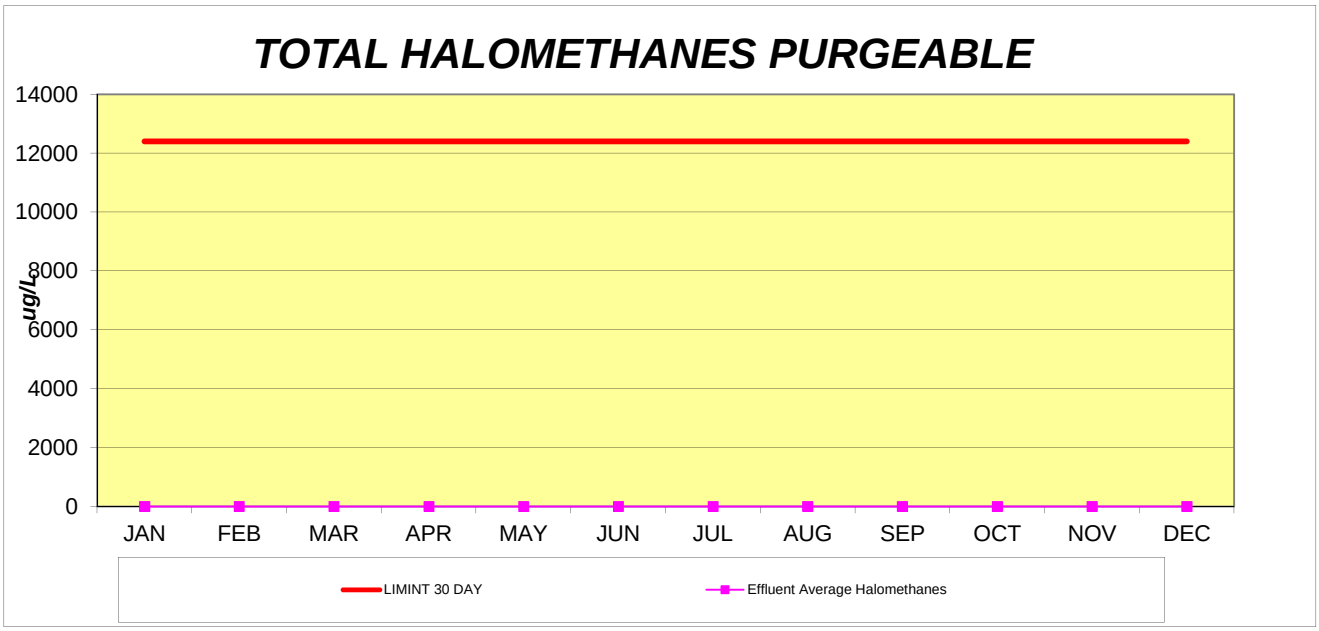

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
LIMINT 30 DAY	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400	12400
Effluent Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000