International Boundary & Water Commission
United States Section
San Diego Field Office
2225 Dairy Mart Road
San Diego, CA 92173

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

2009 JUN 17 P 1:09

June 12, 2009

Mr. John H. Robertus, Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, Ca. 92123

SUBJECT: Annual Monitoring Report for the South Bay International Wastewater Treatment Plant, San Diego, California, Order No. 96-50, NPDES Permit No. CA0108928

Dear Mr. Robertus:

Enclosed is the 2008 Annual Monitoring Report for the South Bay International Wastewater Treatment Plant (SBIWTP).

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

If you require and additional information, please contact me at (619) 662-7600.

Sincerely,

Tony Solo
Acting Area Operations Manager

Enclosure as Stated:

I:\NPDES\2008\Annual Monitoring Report 2008.doc

cc: Ms. Elizabeth Borowiec
Environmental Protection Specialist
U.S. EPA Region 9, 75 Hawthorne Street (WTR-4)
San Francisco, CA 94105-3901

INTERNATIONAL BOUNDARY AND WATER COMMISSION
UNITED STATES AND MEXICO

UNITED STATES SECTION

SOUTH BAY INTERNATIONAL WASTEWATER TREATMENT PLANT

Prepared by: VEOLIA WATER

2008 ANNUAL NPDES REPORT

INTERNATIONAL BOUNDARY AND WATER COMMISSION
UNITED STATES AND MEXICO

UNITED STATES SECTION

SOUTH BAY INTERNATIONAL WASTEWATER TREATMENT PLANT

Prepared by: VEOLIA WATER

2008 ANNUAL NPDES REPORT

South Bay International Wastewater Treatment Plant

2008

Annual Monitoring Report

NPDES Permit CA 0108928

Order No. 96-50

June 30, 2009

Prepared By

Rich Perna

Plant Superintendent
Veolia Water North America – West LLC

June 30, 2009

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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 2008. 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 2008. All samples were collected by the Plant's staff and tested by Sierra Analytical Laboratory, 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. Supervisor	Mark Kaveney, Operations Supervisor
Certification	Grade IV, WWTPO #IV-9431
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 Supervisor	Renato Bartolome, Shift Supervisor
Certification	Grade III, WWTPO #III-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 Supervisor	Albert Perez, Shift Supervisor
Certification	Grade III, WWTPO #III-9398
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 Supervisor	James Smith, Shift Supervisor
Certification	Grade III, WWTPO, #III-2331
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 Supervisor	Brian 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.

Operator	Daniel Lockhart, Operator
Certification	Grade III, WWTPO #III-10081
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	Joseph Passalacqua Jr., Operator
Certification	Grade II, WWTPO #II-9917
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	Steve Morris, Operator
Certification	Grade I, WWTPO # I-10906
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.

OIT	Mike Curtis, 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.

OIT	William Broadhead, Operator in Training
Certification	Grade I OIT
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	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

Hvy. Equipment Op.	Troy Prewett
Certification	Grade I Mechanical Tech, Cert # 070750027
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	Rudy Galleta
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.

Admin. Assistant	Peggy Rust
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 March 2005

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-2B, CC-4A and CC-4B.

Identification of Laboratory Performing Analysis

Veolia Water performed all sampling tasks. Laboratory services for sample pick up and analysis was contracted to the Environmental Lab listed below.

From January through December 2008 the laboratory analysis was performed by:

Sierra Laboratories
26052 Merit Circle
Laguna Hills, CA 92653

Pacific Eco Risk
2250 Cordelia Road
Fairfield, CA 94534

Plant Removal Efficiencies

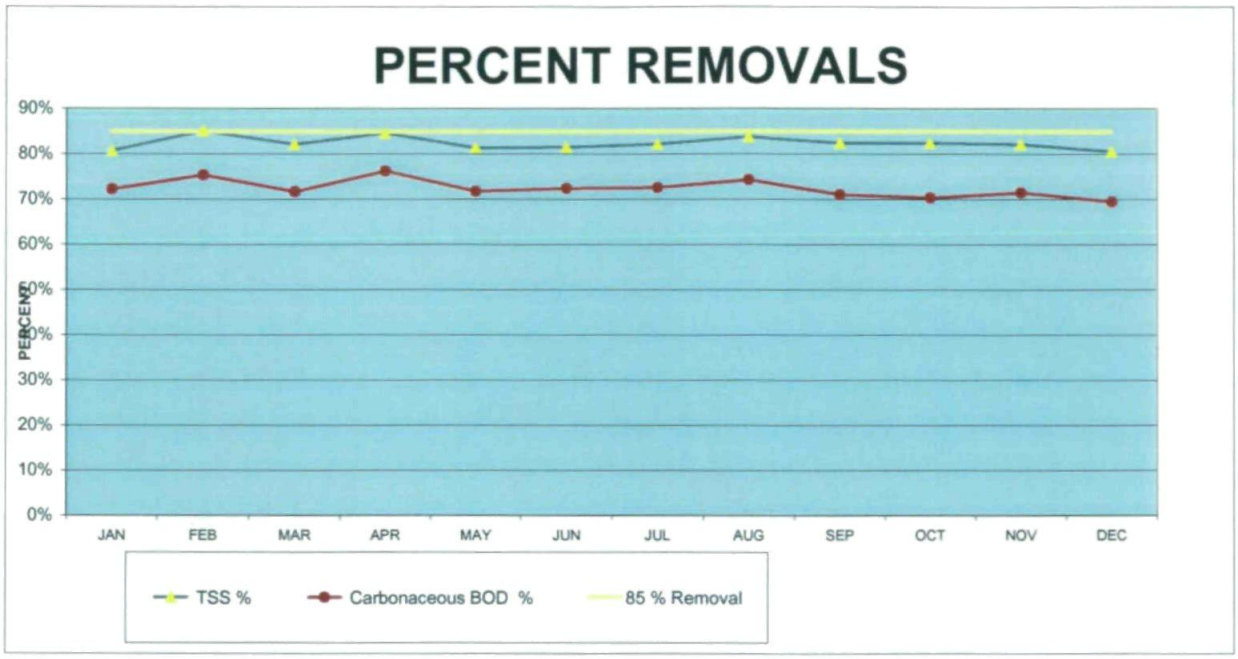
2008 PLANT PROCESS REMOVAL EFFICIENCIES

SOUTH BAY INTERNATIONAL WTP

ADVANCED PRIMARY CLARIFICATION

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVERAGE %
TSS	%	81%	85%	82%	85%	81%	81%	82%	84%	82%	82%	82%	81%	82%
Carbonaceous BOD	%	72%	75%	72%	76%	72%	72%	73%	74%	71%	70%	72%	70%	72%

2008 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 **2008 INFLUENT TABS**

	Units	Limitations	JAN Average	FEB Average	MAR Average	APR Average	MAY Average	JUN Average	JUL Average	AUG Average	SEP Average	OCT Average	NOV Average	DEC Average	2008 AVERAGE
INFLUENT NPDES															
Influent flow	mgd		24.41	23.85	25.49	25.30	24.65	24.63	24.58	25.06	25.15	24.33	24.93	23.37	24.65
GRAB SAMPLES / OIL & GREASE															
Settleable Solids	ml/L		6.3	5.6	6.2	5.8	5.7	6.6	6.1	6.3	5.9	6.5	6.6	6.7	6.2
weekly (7 day) average	ml/L		6.4	5.7	6.2	5.8	5.6	6.5	6.2	6.4	5.9	6.6	6.6	6.7	6.2
pH	pH		7.3	7.4	7.3	7.3	7.2	7.1	7.2	6.9	7.2	7.2	7.1	7.2	7.2
Oil/grease	mg/L		25.1	25.3	23.2	20.6	22.9	20.3	22.3	21.6	25.9	23.2	22.4	18.3	22.6
weekly (7 day) average	mg/L		24.9	25.3	23.3	20.8	21.9	20.8	22.3	21.6	25.9	23.3	22.4	17.3	22.5
Temperature	c		15.6	16.6	16.4	17.9	19.2	22.0	23.5	23.7	23.5	19.8	19.0	16.2	19.5
COMPOSITE ANALYSES															
Total Suspended Solids	mg/L		321.1	346.1	293.7	358.1	294.3	285.7	290.3	315.7	290.2	275.4	290.5	280.0	303.4
weekly (7 day) average			325.7	345.9	293.5	347.3	306.3	284.9	291.1	315.1	289.1	276.9	290.6	281.0	303.9
Volatile Suspended Solids	mg/L		154.7	206.9	147.1	190.2	152.0	150.8	158.8	184.0	148.8	135.3	147.0	157.3	161.1
BOD	mg/L		380.5	399.6	317.2	357.5	317.2	307.5	302.0	388.0	319.3	296.8	304.6	314.0	333.7
Soluble BOD	mg/L		333.5	305.0	273.2	308.5	275.2	264.3	261.8	345.4	272.0	257.5	258.4	268.5	285.3
Carbonaceous BOD (CBOD)	mg/L		325.5	347.3	300.7	360.0	298.1	294.5	296.8	313.3	291.1	278.7	293.1	280.7	306.6
weekly (7 day) average	mg/L		330.3	347.7	300.3	348.9	310.9	293.0	298.2	312.1	291.3	279.4	293.6	281.6	307.3
Floatables	mg/L		6.4	5.8	6.3	6.3	5.9	6.7	6.3	6.5	6.1	6.7	6.7	6.9	6.4
Total Dissolved Solids	mg/L		1662.5	1761.6	1616.0	1697.5	1634.4	1664.3	1671.5	1646.2	1640.0	1772.5	1778.0	1642.5	1682.2
Turbidity	NTU		180.0	174.2	167.2	170.5	166.6	168.3	170.8	180.0	171.8	156.3	151.2	155.5	167.7
weekly (7 day) average	NTU		180.0	175.5	166.7	172.4	162.1	169.4	170.0	180.0	172.9	156.2	151.5	152.0	167.4
Ammonia-N	mg/L		48.2	49.5	47.4	46.4	48.9	47.9	47.9	46.3	45.3	44.3	44.8	47.8	47.1
COD Chemical Oxygen Demand	mg/L		830.5	856.0	851.8	821.3	838.8	817.3	774.5	757.0	728.5	755.8	756.0	734.0	793.4
T.S. Total Solids	mg/L		2282.5	2258.0	2242.0	2247.5	2196.4	2244.5	2201.5	2178.4	2235.0	2267.5	2256.0	2180.5	2232.5
T.V. Volatile Solids	mg/L		1180.0	1099.6	1130.0	1140.0	1079.2	1077.8	1094.5	1076.6	1107.5	1132.5	1072.0	1083.3	1106.1

6/18/2009

NPDES Data for the South Bay International WTP

2008 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
METALS AND CYANIDE		6-MTH M	Mthly Av	MAX													
Antimony	mg/l				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Lbs/day				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arsenic	mg/L		0.024		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	lbs/day		5.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beryllium	mg/L		2.500		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00000
	lbs/day		0.520		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00000
Cadmium	mg/L		0.061		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	lbs/day		13.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chromium Total	mg/L		1.100		0.000	0.024	0.012	0.010	0.001	0.048	0.003	0.028	0.004	0.000	0.004	0.018	0.013
	lbs/day		230.000		0.00	4.94	2.84	1.98	0.28	9.66	0.60	5.78	0.73	0.00	0.77	3.32	2.57
Chromium III *	mg/L				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/L	0.150			0.061	0.156	0.123	0.175	0.013	0.187	0.044	0.197	0.050	0.019	0.055	0.138	0.102
	lbs/day	32.000			13.196	31.254	27.798	35.756	2.620	37.496	9.103	40.776	10.702	3.828	11.084	25.557	20.764
Iron	mg/L				3.244	12.050	12.526	13.088	4.718	18.433	5.585	18.110	6.698	4.160	5.480	19.283	10.281
Lead	mg/L		0.160		0.000	0.008	0.000	0.008	0.000	0.016	0.000	0.015	0.000	0.000	0.005	0.064	0.010
	lbs/day		34.000		0.000	1.681	0.000	1.561	0.000	3.206	0.000	3.130	0.000	0.000	0.963	12.258	1.900
Mercury	mg/L			5.400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.0000000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	lbs/day			1.100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00003	0.00000	0.00000	0.0000	0.00000	0.00000
Nickel	mg/L	0.440			0.023	0.082	0.057	0.056	0.022	0.092	0.020	0.053	0.027	0.028	0.039	0.037	0.045
	lbs/day	93.000			4.545	16.708	12.850	11.594	4.448	18.565	4.183	11.058	5.667	5.278	8.022	7.036	9.163
Selenium	mg/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Silver	mg/L	0.052			0.001	0.004	0.004	0.002	0.000	0.006	0.000	0.003	0.001	0.000	0.000	0.001	0.002
	lbs/day	11.000			0.231	0.901	0.838	0.372	0.000	1.222	0.000	0.681	0.267	0.000	0.000	0.229	0.395
Thallium	mg/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc	mg/L		1.100		0.115	0.223	0.216	0.212	0.027	0.293	0.065	0.317	0.069	0.031	0.062	0.215	0.154
	lbs/day		220.000		24.884	44.837	49.025	43.560	5.426	58.990	13.131	65.650	14.824	6.775	12.443	38.699	31.520
Cyanide	mg/L	0.075			0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	<0.20
	lbs/day	16.000			3.968	3.911	4.488	4.179	4.002	4.127	4.321	4.114	4.278	4.008	4.110	3.673	4.098
RADIOACTIVITY																	
Alpha Radiation	pc/L				1.22+/-1.23	1.69+/-1.19	2.36+/-1.36	na	3.72+/-1.75	3.49+/-1.80	2.46+/-1.45	3.68+/-1.74	2.27+/-1.35	1.78+/-1.11	4.07+/-1.99	2.84+/-2.48	
Beta Radiation	pc/L				16.6+/-3.58	16.7+/-4.34	32.3+/-5.93	na	30.2+/-5.84	26.1+/-6.23	28.4+/-5.48	29.6+/-6.08	26.9+/-6.36	26.0+/-6.01	24.0+/-6.01	26.2+/-5.68	
CHLORINATED PESTICIDES																	
Aldrin	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dieldrin	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
alpha-BHC	ug/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
beta-BHC	ug/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
gamma-BHC (Lindane)	ug/L	0.420			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		0.000			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
delta-BHC	ug/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total HCH	ug/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

NPDES Data for the South Bay International WTP

2008 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
p,p-DDD	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
p,p-DDE	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
p,p-DDT	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
o,p-DDD	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
o,p-DDE	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
o,p-DDT	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total DDT	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Heptachlor	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Heptachlor epoxide	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Heptachlor	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alpha (cis) Chlordane	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gamma (trans) Chlordane	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alpha (cis) Chlordane	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gamma (trans) Chlordane	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxychlordane	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
trans Nonachlor	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cis Nonachlor	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Chlordane	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alpha Endosulfan	ug/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beta Endosulfan	ug/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Endosulfan Sulfate	ug/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Endosulfan	ug/L				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Endrin	ug/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Endrin aldehyde	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mirex	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methoxychlor	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Toxaphene	ng/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PCB 1016	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1221	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1232	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1242	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1248	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1254	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1260	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1262	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
Total PCB's	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0

6/18/2009

NPDES Data for the South Bay International WTP

2008 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
BENZIDINE (EPA 605)																	
benzidine	ng/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
3,3-dichlorobenzidine	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
TRIBUTYL TIN ANALYSIS																	
tributyl tin	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
dibutyl tin	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
monobutyl tin	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
BASE/NEUTRAL COMPOUNDS (EPA 625)																	
bis(2-chloroethly) ether	ug/L				0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
metadichlorobenzene	g/L				0.000000	0.000002	0.000002	0.000000	0.000002	0.000000	0.000002	0.000006	0.000000	0.000000	0.000001	0.000000	0.000000
orthodichlorobenzene	g/L				0.000000	0.000002	0.000002	0.000000	0.000002	0.000000	0.000002	0.000007	0.000000	0.000000	0.000002	0.000000	0.000001
paradichlorobenzene (1,4-dichlorobenzene)	mg/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
bis-(2-chloroisopropyl) ether	mg/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
N-nitrosodi-n-propylamine	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
nitrobenzene	mg/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
hexachloroethane	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
isophorone	g/L				0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0000000
bis(2-chloroethoxy)methane	mg/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
1,2,4-trichlorobenzene	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
naphthalene	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
hexachlorobutadiene	mg/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
hexachlorocyclopentadiene	mg/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
acenaphthylene (pah)	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
dimethyl phthalate	g/L				0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
2,6-dinitrotoluene	ug/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
acenaphthene	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
2,4-dinitrotoluene	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
fluorene (pah)	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
4-chlorophenyl phenyl ether	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
diethyl phthalate	g/L				0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000008	0.000013	0.000000	0.000010	0.000000	0.000003
N-nitrosodiphenylamine	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
4-bromophenyl phenyl ether	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
hexachlorobenzene	ng/L				0	0	0	0	0	0	0	0	0	0	0	0	0
phenanthrene (pah)	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
anthracene (pah)	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

6/30/2009

NPDES Data for the South Bay International WTP

2008 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
di-n-butyl phthalate	mg/L				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0050	0.0000	0.0000	0.0000	0.0007
N-nitrosodimethylamine	mg/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
fluoranthene	mg/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
pyrene (pah)	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
butyl benzyl phthalate	ug/L				0.00	5.40	0.00	0.00	0.00	0.00	0.00	3.30	3.30	2.90	5.20	0.00	1.68
chrysene (pah)	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
benzo(A)anthracene	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
bis-(2-ethylhexyl) phthalate	ug/L				0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	7.00	0.00	0.00	0.00	2.42
di-n-octyl phthalate	ug/L				0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.00	3.60	0.00	0.65
benzo(K)fluoranthene (pah)	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
3,4-benzo(B)fluoranthene (pah)	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
benzo(A)pyrene (pah)	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
indeno(1,2,3-CD)pyrene (pah)	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
dibenzo(A,H)anthracene	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
benzo(G,H,I)perylene (pah)	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
1,2-diphenylhydrazine	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 Polynuclear aromatic hydroc	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
NON & CHLORINATED PHENOLS																	
2-chlorophenol	mg/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
2,4-dichlorophenol	mg/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
4-cholor-3-methylphenol	mg/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
2,4,6-trichlorophenol	mg/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
pentachlorophenol	mg/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 chlorinated phenols	mg/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
phenol	**ug/l**				**2.9**	**17.78**	**18.62**	**6.35**	**6.00**	**5.93**	**6.58**	**9.50**	**8.60**	**11.00**	**6.98**	**10.05**	**9.19**
2-nitrophenol	mg/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
2,4-dimethylphenol	mg/L				0.58	1.06	1.14	0.83	0.00	0.00	0.00	0.00	0.33	0.00	0.58	0.28	0.40
2,4-dinitrophenol	mg/L				0.00	0.00	0.00	0.00	0.00	0.00	32.50	0.00	0.00	0.00	0.00	0.00	2.71
4-nitrophenol	mg/L				0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.03
2-methyl-4,6-dinitrophenol	mg/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 non-chlor phenols	mg/L				0.004	0.019	0.020	0.007	0.006	0.006	0.040	0.010	0.009	0.011	0.008	0.011	0.013

6/13/2009

NPDES Data for the South Bay International WTP

2008 INFLUENT TABS

	Units	Limitations	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
			Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
HALOMETHANE PURGEABLE COMPOUNDS (EPA 624) (VOC's)															
chloromethane (hal)	mg/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
bromomethane (hal)	mg/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
vinyl chloride (hal)	mg/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
chloroethane	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
1,1-dichloroethene (1,1-dichloroethylene)	ug/L		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
trichlorofluoromethane	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
methlyene chloride (dichloromethane)	mg/L		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1,1-dichloroethane	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
trans-1,2-dichloroethene	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
chloroform	mg/L		0.0020	0.0120	0.0098	0.0041	0.0030	0.0044	0.0047	0.0048	0.0031	0.0069	0.0059	0.0076	0.0057
1,2-dichloroethane	mg/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
1,1,1-trichloroethane	g/L		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
carbon tetrachloride	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
DCBM-bromodichloromethane (hal)	mg/L		0.0000	0.0010	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
1,2-dichloropropane	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
trans-1,3-dichloropropene	mg/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
trichloroethene (trichloroethlyene)	mg/L		0.0000	0.0000	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0004
benzene	mg/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
dibromochloromethane (hal)	ug/L		0.0000	1.5000	2.2000	1.7000	1.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5750
1,1,2-trichloroethane	g/L		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
cis-1,3-dichloropropene	ug/L		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-chloroethylvinyl ether	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
bromoform (hal)	mg/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
1,1,2,2-tetrachloroethane	ug/L		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000000
tetrachloroethene (tetrachloroethlyene)	mg/L		0.003600	0.0014	0.0000	0.0017	0.0022	0.0000	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.000833
toluene	g/L		0.000002	0.000000	0.000120	0.000006	0.000010	0.000009	0.000320	0.000019	0.000006	0.000004	0.000003	0.000017	0.000043
chlorobenzene	ug/L		0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000043
ethylbenzene	ug/L		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
2-butanone (MEK)	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
carbon disulfide	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 Halomethanes	ug/L		0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.00575

6/18/2009

NPDES Data for the South Bay International WTP

2008 INFLUENT TABS

	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	lbs/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
acrolein	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
	lbs/d				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
TCDD equivalents																	
2,3,7,8-tetra CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,7,8-penta CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,7,8-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,6,7,8-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,7,8,9-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,6,7,8-hepta CDD	pg/L				0	0	0	0	0	0	0	0	0	0	0	0	0
octa CDD	pg/L				0	0	0	0	0	0	0	0	0	0	0	0	0
2,3,7,8-tetra CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,7,8-penta CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,3,6,7,8-penta CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,6,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,7,8,9-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,3,4,6,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,6,7,8-hepta CDF	pg/L				0	0	0	0	0	0	0	0	0	0	0	0	0
1,2,3,4,7,8,9-hepta CDF	pg/L				0	0	0	0	0	0	0	0	0	0	0	0	0
octa CDF	pg/L				0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL TCDD	pg/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 TCDD lbs/day	lbs/d				0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000

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

6/13/2009

TABULATION OF THE

EFFLUENT CONSTITUENTS

TABULATION OF THE EFFLUENT CONSTITUENTS

SOUTH BAY INTERNATIONAL WTP

NPDES Data for the South Bay International WTP — **2008 EFFLUENT TABS**

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
		Limitations															
		Daily average flow															
EFFLUENT FLOW (MGD)	mgd				23.75	23.39	24.39	24.40	23.67	23.85	23.80	24.37	24.62	23.84	24.39	22.62	23.92
weekly (7 day) average	mgd				23.96	23.35	24.46	24.35	23.64	23.85	23.77	24.22	24.66	23.99	24.47	22.97	23.97
monthly (30 day) average	mgd		25 mgd		24.46	23.51	24.16	24.29	23.80	23.80	23.76	24.10	24.58	24.34	24.07	23.95	24.07
GRAB SAMPLES / OIL & GREASE		Limitations															
		30-day	7-day	Max													
Settleable Solids	ml/L	1.0	---	3.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
weekly (7 day) average	ml/L	---	1.5	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Oil/grease	mg/L	---	---	75	10.1	9.7	9.0	9.2	8.6	8.7	8.7	9.0	8.8	8.7	8.3	8.1	8.9
daily mass emission	lbs/d	---	---	16,000	1993.1	1889.2	1832.5	1863.7	1700.5	1731.8	1715.0	1832.8	1796.5	1739.2	1687.6	1535.9	1776.5
weekly (7 day) average	mg/L	---	40	---	10.1	9.8	9.0	9.2	8.6	8.7	8.7	8.9	8.8	8.8	8.4	8.0	8.9
mass emission (7 day) average	lbs/d	---	8,300	---	2010.9	1898.5	1846.7	1858.6	1699.0	1730.9	1720.4	1803.7	1808.1	1760.4	1715.6	1542.7	1782.9
monthly (30 day) average	mg/L	25	---	---	10.0	9.9	9.4	9.1	8.8	8.7	8.7	8.8	8.9	8.8	8.7	8.1	9.0
mass emission (30 day) average	lbs/d	5,200	---	---	2039.6	1937.5	1881.7	1846.6	1739.4	1730.7	1726.3	1760.0	1829.8	1779.3	1740.8	1612.2	1802.0
pH	pH	Within Limits of 6-9			7.30	7.32	7.38	7.19	7.28	7.27	7.21	7.19	7.15	7.21	7.27	7.28	7.25
Temperature	C				16.3	17.3	17.5	19.0	20.7	22.9	24.7	24.9	25.1	22.0	20.5	17.9	20.7
COMPOSITE ANALYSES		Limitations															
		30-day	7-day	Max													
Total Suspended Solids	mg/L	---	---	50	62	51	52	55	55	53	52	51	51	48	52	54	53
daily mass emission	lbs/d	---	---	10,000	12276	10058	10649	11229	10851	10530	10224	10388	10470	9640	10527	10193	10586
weekly (7 day) average	mg/L	---	45	---	60	52	52	55	55	53	52	51	51	49	52	54	53
mass emission (7 day) average	lbs/d	---	9,400	---	12064	10201	10662	11184	10912	10483	10276	10259	10475	9774	10529	10305	10594
monthly (30 day) average	mg/L	30	---	---	57	56	51	56	55	54	53	50	51	49	51	54	53
mass emission (30 day) average	lbs/d	6,300	---	---	11577	10974	10335	11234	10876	10672	10491	10054	10524	9980	10149	10646	10626
Volatile Suspended Solids	mg/L	---	---	---	46	40	40	44	43	42	41	39	39	37	40	42	41
BOD	mg/L	---	---	---	107	101	101	101	98	95	95	96	99	97	98	100	99
Soluble BOD	mg/L	---	---	---	75	71	71	73	70	68	69	68	71	70	71	72	71
Carbonaceous BOD (CBOD)	mg/L	---	---	45	90	86	85	85	84	81	81	81	84	83	84	86	84
daily mass emission	lbs/d	---	---	9,400	17871	16698	17324	17380	16598	16133	16105	16363	17288	16420	16968	16107	16771
weekly (7 day) average	mg/L	---	40	---	90	86	85	86	84	81	81	81	84	83	83	86	84
mass emission (7 day) average	lbs/d	---	8,300	---	17907	16689	17335	17388	16622	16178	16011	16315	17238	16564	17021	16352	16802
monthly (30 day) average	mg/L	25	---	---	87	88	85	86	85	83	81	81	83	83	83	85	84
mass emission (30 day) average	lbs/d	5,200	---	---	17766	17182	17097	17358	16889	16378	16049	16189	16976	16869	16722	16882	16863

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NPDES Data for the South Bay International WTP

2008 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	2008 AVERAGE
Floatables	mg/L	---	---	---	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total Dissolved Solids	mg/L	---	---	---	1579	1657	1613	1716	1618	1637	1653	1726	1676	1713	1661	1620	1656
Turbidity	NTU	---	---	225	46.3	40.0	40.5	37.2	39.8	37.7	35.1	34.5	35.1	32.6	37.9	39.6	38.0
weekly (7 day) average	mg/L	---	100	---	44.5	41.2	40.0	38.1	39.5	37.6	34.6	32.9	35.3	32.5	37.6	39.4	37.8
monthly (30 day) average	mg/L	75	---	---	41.5	43.9	39.3	40.6	38.0	38.6	37.0	31.6	35.8	32.9	36.0	39.0	37.8
C.O.D. Chemical Oxygen Demand	mg/L	---	---	---	345	380	354	336	377	349	311	301	275	270	273	284	321
Total Solids	mg/L	---	---	---	2265	2252	2192	2170	2153	2192	2173	2134	2168	2210	2230	2148	2190
Volatile Solids	mg/L	---	---	---	1220	1220	1170	1168	1116	1153	1159	1114	1140	1183	1152	1136	1161

TOXICITY		Limitations 30-day	Limitations 7-day	Limitations Max													
Acute Toxicity	TU'a	---	---	2.5	3.7	6.2	4.4	5.5	6.5	4.6	8.0	9.1	10.2	11.4	7.0	3.5	6.7
weekly (7 day) average	TU'a	---	2.0	---	3.8	5.6	4.5	5.6	6.7	5.0	6.6	8.8	9.6	10.9	8.5	5.0	6.7
monthly (30 day) average	TU'a	1.5	---	---	3.6	6.4	4.5	4.8	6.4	5.3	5.5	8.6	10.9	10.1	8.5	5.1	6.6

CHRONIC TOXICITY		Limitations 6-mnth	Limitations Daily	Limitations Instant													
	TU'c	----	100	----													
GIANT KELP																	
germination	TU'c	---	100	---													
germ Tube Length	TU'c	---	100	---													
RED ABALONE																	
development	TU'c	---	100	---	75.0	70	63	88	63	44	100	63	70	183	133	60	84
TOPSMELT																	
survival	TU'c	---	100	---													
growth	TU'c	---	100	---													

METALS AND CYANIDE		Limitations 6-Mnth	Limitations Daily	Limitations 30-day													
Antimony	mg/L	---	---	120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	lbs/d				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beryllium	ug/L	---	---	3.3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	lbs/d	---	---	0.690	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Thallium	mg/L	---	---	1.4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	lbs/d	---	---	290	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

		Limitations 6-Mnth	Limitations Daily	Limitations Instant													
Arsenic	mg/L	0.51	2.9	7.8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000
	lbs/d	110	600	1,600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000
Cadmium	mg/L	0.10	0.40	1.0	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
	lbs/d	21	83	210	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
Chromium (total)	mg/L	0.20	0.81	2.0	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
	lbs/d	42	170	420	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04

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NPDES Data for the South Bay International WTP

2008 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
Copper	mg/L	0.10	1.0	2.8	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02
	lbs/d	21	210	580	4.84	4.29	4.42	3.35	2.31	1.61	2.30	2.75	4.62	3.42	3.00	2.70	3.30
Iron	mg/L	---	---	---	2.40	2.12	1.83	1.33	1.15	1.09	1.38	2.37	2.00	1.17	1.09	1.31	1.60
Lead	mg/L	0.20	0.81	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
	lbs/d	42	170	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
Mercury	ug/L	4.0	16	40	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	lbs/d	0.83	3.3	8.3	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Nickel	mg/L	0.51	2.0	5.1	0.016	0.060	0.033	0.040	0.025	0.033	0.016	0.016	0.022	0.027	0.028	0.014	0.028
	lbs/d	100	420	1,000	2.96	12.06	7.41	8.23	5.08	6.81	3.43	3.28	4.68	4.90	5.61	2.59	5.59
Selenium	mg/L	1.5	6.1	15	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
	lbs/d	310	1,300	3,100	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
Silver	mg/L	0.055	0.27	0.69	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	lbs/d	11	56	140	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
Zinc	mg/L	1.2	7.3	19	0.038	0.061	0.069	0.055	0.029	0.006	0.000	0.018	0.019	0.038	0.023	0.027	0.032
	lbs/d	250	1,500	4,000	7.35	11.81	15.45	11.69	5.65	1.23	0.00	3.77	4.00	8.33	4.70	5.11	6.59
Cyanide	mg/L	0.10	0.40	1.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	lbs/d	21	83	210	3.97	3.91	4.49	4.18	4.00	4.13	4.32	4.11	4.28	4.01	4.11	3.67	4.10
Total chlorine residual	mg/L	0.20	0.81	6.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
	lbs/d	42	170	1,300	20.36	19.89	21.26	21.10	20.56	20.54	20.50	20.90	20.98	20.29	20.79	19.49	20.56
Ammonia-N	mg/L	61	240	610	51.9	51.4	50.4	48.6	51.7	50.3	49.6	49.2	48.2	47.5	48.4	51.3	49.9
	lbs/d	13,000	50,000	130,000	10328.2	10057.1	11302.4	10140.8	10334.5	10363.5	10725.6	10108.1	10328.8	9496.0	9948.5	9431.2	10213.7
RADIOACTIVITY		Limitations															
		See Cal. code of Reg. Title 17,															
Alpha Radiation	pc/L	Division 1.Chapter 5, Subchapter 4,			1.91+/-1.05	2.84+/-1.48	0.948+/-0.789	na	2.92+/-1.37	0.966+/-0.804	1.05+/-0.862	3.13+/-1.42	1.93+/-1.2	2.58+/-1.27	1.62+/-1.01	2.33+/-2.09	
Beta Radiation	pc/L	Group 3, Article 3, Section 32069			15.0+/-3.49	12.1+/-3.87	29.2+/-5.93	na	24.7+/-5.19	25.6+/-5.44	23.7+/-5.22	25.9+/-6.68	28.1+/-6.48	23.6+/-5.63	31.4+/-6.56	25.6+/-5.84	
CHLORINATED PESTICIDES		Limitations															
		6-Mnth	Daily	Instant													
Aldrin	ng/L	---	---	2.2	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
	lbs/d	---	---	0.00046	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
Dieldrin	ng/L	---	---	4.0	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
	lbs/d	---	---	0.00083	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
HEXACHLOROCYCLOHEXANE'S		Limitations															
		6-Mnth	Daily	Instant													
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	---	---	---	0.00	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	0.40	0.81	1.20	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
MASS EMISSION LBS/DAY	lbs/d	0.083	0.17	0.25	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
DDT's		Limitations															
		Daily	7-day	30-day													
p,p'-DDD	ng/L	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
p,p'-DDE	ng/L	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
p,p'-DDT	ng/L	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
o,p-DDD	ng/L	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
o,p-DDE	ng/L	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
o,p-DDT	ng/L	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL DDT's	ng/L	---	---	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.0035	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

6/180/2009

NPDES Data for the South Bay International WTP

2008 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
		Limitations															
HEPTACHLOR		Daily	7-day	30-day													
Heptachlor	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Heptachlor epoxide	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL HEPTACHLOR	ng/L	---	---	73	0	0	0	0	0	0	0	0	0	0	0	0	0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHLORDANE																	
Alpha (cis) Chlordane	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Gamma (trans) Chlordane	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Alpha (cis) Chlordane	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Gamma (trans) Chlordane	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxychlordane	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
trans Nonachlor	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
cis Nonachlor	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL CHLORDANE	ng/L	---	---	2.3	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MASS EMISSION LBS/DAY	lbs/d	---	---	0.00048	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
		Limitations															
ENDOSULFAN		6-Mnth	Daily	Instant													
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	0.91	1.8	2.7	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
MASS EMISSION LBS/DAY	lbs/d	0.19	0.38	0.56	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
OTHER MISC. CHLORINATED PESTICIDES																	
Endrin	ug/L	0.20	0.40	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	lbs/d	0.042	0.083	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Limitations															
		Daily	7-day	30-day													
Endrin aldehyde	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Mirex	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Methoxychlor	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
Toxaphene	ng/L	---	---	21	0	0	0	0	0	0	0	0	0	0	0	0	0
PCB's																	
PCB 1016	ng/L	**	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1221	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1232	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1242	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1248	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1254	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1260	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
PCB 1262	ng/L	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PCB's	ng/L	---	---	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MASS EMISSION LBS/DAY	lbs/d	---	---	0.0004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

6/13/2009

NPDES Data for the South Bay International WTP

2008 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
EPA METHOD 605																	
benzidine	ng/L	---	---	7	0	0	0	0	0	0	0	0	0	0	0	0	0
3,3-dichlorobenzidine	ug/L	---	---	0.82	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
TRIBUTYL TIN ANALYSIS																	
tributyl tin	ug/L	---	---	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
dibutyl tin	ug/L	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
monobutyl tin	ug/L	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BASE/NEUTRAL COMPOUNDS (EPA 625)		Limitations															
		Daily	7-day	30-day													
bis(2-chloroethyl) ether	ug/L	---	---	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
DICHLOROBENZENE																	
metadichlorobenzene	g/L	---	---	---	0.000002	0.000002	0.000001	0.000000	0.000000	0.000000	0.000001	0.000001	0.000000	0.000000	0.000000	0.000000	0.000001
orthodichlorobenzene	g/L	---	---	---	0.000002	0.000002	0.000002	0.000000	0.000000	0.000000	0.000002	0.000001	0.000000	0.000000	0.000000	0.000000	0.000001
TOTAL DICHLOROBENZENE	g/L	---	---	0.52	0.000004	0.000004	0.000003	0.000000	0.000000	0.000000	0.000003	0.000002	0.000000	0.000000	0.000000	0.000000	0.000001
MASS EMISSION LBS/DAY	lbs/d	---		110,000	0.871103	0.700560	0.594225	0.000000	0.000000	0.000000	0.585718	0.399486	0.000000	0.000000	0.000000	0.000000	0.262591
paradichlorobenzene (1,4-dichlorobenzene)	mg/L	---	---	1.8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
bis-(2-chloroisopropyl) ether	mg/L	---	---	120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N-nitrosodi-n-propylamine	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
nitrobenzene	mg/L	---	---	0.49	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
hexachloroethane	ug/L	---	---	250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
isophorone	g/L	---	---	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
bis(2-chloroethoxy)methane	mg/L	---	---	0.44	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1,2,4-trichlorobenzene	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
naphthalene	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
hexachlorobutadiene	mg/L	---	---	1.4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
hexachlorocyclopentadiene	mg/L	---	---	5.9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
acenaphthylene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
dimethyl phthalate	g/L	---	---	83	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
2,6-dinitrotoluene	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
acenaphthene	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2,4-dinitrotoluene	ug/L	---	---	260	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
fluorene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4-chlorophenyl phenyl ether	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
diethyl phthalate	g/L	---	---	3.3	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000010	0.000005	0.000000	0.000002	0.000000	0.000001
N-nitrosodiphenylamine	ug/L	---	---	250	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
4-bromophenyl phenyl ether	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
hexachlorobenzene	ng/L	---	---	21	0	0	0	0	0	0	0	0	0	0	0	0	0
phenanthrene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
anthracene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
di-n-butyl phthalate	mg/L	---	---	350	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000
N-nitrosodimethylamine	mg/L	---	---	0.74	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
fluoranthene	mg/L	---	---	1.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
pyrene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
butyl benzyl phthalate	ug/L	---	---	---	0.000	5.800	0.000	0.000	0.000	0.000	0.000	6.600	4.500	0.000	0.000	0.000	1.408
chrysene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
benzo(A)anthracene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
bis-(2-ethylhexyl) phthalate	mg/L	---	---	350	0.000	0.000	0.000	0.000	0.000	0.000	0.000	21.000	6.400	0.000	0.000	0.000	2.283
di-n-octyl phthalate	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.300	3.000	0.000	2.800	0.000	0.675
benzo (K) fluoranthene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3,4-benzo (B) fluoranthene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
benzo (A) pyrene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
dibenzo (A,H) anthracene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
benzo (G,H,I) perylene pah	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1,2-diphenylhydrazine	ug/L	---	---	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL PAH'S	ug/L	---	---	0.89	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS EMISSION LBS/DAY	lbs/d	---	---	0.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

NPDES Data for the South Bay International WTP

2008 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	AVERAGE
CHLORINATED PHENOLS		Limitations															
		Daily	7-day	30-day													
2-chlorophenol	mg/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2,4-dichlorophenol	mg/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4-cholor-3-methylphenol	mg/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2,4,6-trichlorophenol	ug/L	---	---	29	0.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031
pentachlorophenol	mg/L	---	---	---	0.000	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-Mnth	Daily	Instant													
TOTAL CHLORINATED PHENOLIC COMP	5 ug/	0.10	0.40	1.00	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS EMISSION LBS/DAY	lbs/d	21	83	210	0.082	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007
NON-CHLORINATED PHENOLS																	
phenol	ug/L	---	---	---	2.500	10.080	5.880	1.850	1.500	1.000	2.200	2.980	4.500	4.275	12.560	10.775	5.008
2-nitrophenol	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2,4-dimethylphenol	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2,4-dinitrophenol	ug/L	---	---	0.40	0.000	0.000	0.000	0.000	0.000	0.000	22.750	0.000	0.000	0.000	0.000	0.000	1.896
4-nitrophenol	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	2.750	0.000	0.000	0.000	0.000	0.000	0.229
2-methyl-4,6-dinitrophenol	mg/L	---	---	22	0.000	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-Mnth	Daily	Instant													
TOTAL NON-CHLORINATED PHENOLIC	mg/L	3.0	12	30	0.0030	0.0100	0.0070	0.0020	0.0020	0.0020	0.0280	0.0030	0.0050	0.0050	0.0130	0.0110	0.0076
MASS EMISSION LBS/DAY	lbs/d	630	2,500	6,300	0.557	1.989	1.444	0.367	0.338	0.263	5.274	0.640	0.952	0.832	2.570	1.945	1.431
HALOMETHANE PURGEABLE COMPOUNDS (EPA 624) (VOC's)		Limitations															
		---	---	30-day													
chloromethane (hal)	mg/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
bromomethane (hal)	mg/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
vinyl chloride (hal)	mg/L	---	---	3.6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
chloroethene	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1,1-dichloroethene (1,1-dichloroethlyene)	g/L	---	---	72	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
trichlorofluoromethane	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
methlyene chloride (dichloromethane)	mg/L	---	---	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00000
1,1-dichloroethane	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
trans-1,2-dichloroethene	ug/L	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
chloroform	mg/L	---	---	13	0.0060	0.0120	0.0110	0.0070	0.0020	0.0050	0.0030	0.0030	0.0020	0.0030	0.0050	0.0070	0.0055
1,2-dichloroethane	mg/L	---	---	13	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
1,1,1-trichloroethane	g/L	---	---	54	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
carbon tetrachloride	ug/L	---	---	0.91	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DCBM-bromodichloromethane (hal)	mg/L	---	---		0.0000	0.0340	0.0040	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033
1,2-dichloropropane	ug/L	---	---		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
trans-1,3-dichloropropene	mg/L	---	---	0.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
trichloroethene (trichloroethlyene)	mg/L	---	---	2.7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
benzene	mg/L	---	---	0.60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
dibromochloromethane (hal)	ug/L	---	---		0.0000	6.1000	6.4000	2.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2500
1,1,2-trichloroethane	g/L	---	---	4.3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
cis-1,3-dichloropropene	ug/L	---	---		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2-chloroethylvinyl ether	ug/L	---	---		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
bromoform (hal)	mg/L	---	---		0.0000	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
1,1,2,2-tetrachloroethane	mg/L	---	---	120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
tetrachloroethene (tetrachloroethlyene)	mg/L	---	---	1.0	0.0000	0.0050	0.0000	0.0020	0.0050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
toluene	g/L	---	---	8.6	0.000003	0.000016	0.000017	0.000005	0.000007	0.000008	0.000250	0.000009	0.000003	0.000001	0.000005	0.000025	0.000029
chlorobenzene	mg/L	---	---	58	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ethylbenzene	mg/L	---	---	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0010	0.0000	0.0000	0.0000	0.0000	0.0008
2-butanone (MEK)	ug/L	---	---	---	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
carbon disulfide	mg/L	---	---	---	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00000
TOTAL HALOMETHANE PURGEABLE CI	mg/L	---	---	13	0.0000000	0.0363000	0.0035000	0.0015000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0034417
MASS EMISSION LBS/DAY	lbs/d	---	---	2,700	0.0000	6.3580	0.6930	0.3140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6138

NPDES Data for the South Bay International WTP

2008 EFFLUENT TABS

EFFLUENT NPDES	Units	Limitations			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2008
					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	---	---	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
acrolein	ug/L	---	---	22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TCDD EQUIVALENTS		Limitations															
		Daily	7-day	30-day													
2,3,7,8-tetra CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,7,8-penta CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,7,8-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,6,7,8-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,7,8,9-hexa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,6,7,8-hepta CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
octa CDD	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,3,7,8-tetra CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,7,8-penta CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,3,4,7,8-penta CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,6,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,7,8,9-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2,3,4,6,7,8-hexa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,6,7,8-hepta CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2,3,4,7,8,9-hepta CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
octa CDF	pg/L				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL TCDD	pg/L			0.3900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mass Emission lbs/day	lbs/d			0.000000081	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000

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

6/30/2009

INFLUENT GRAPHS

International Boundary and Water Commission

South Bay International WTP

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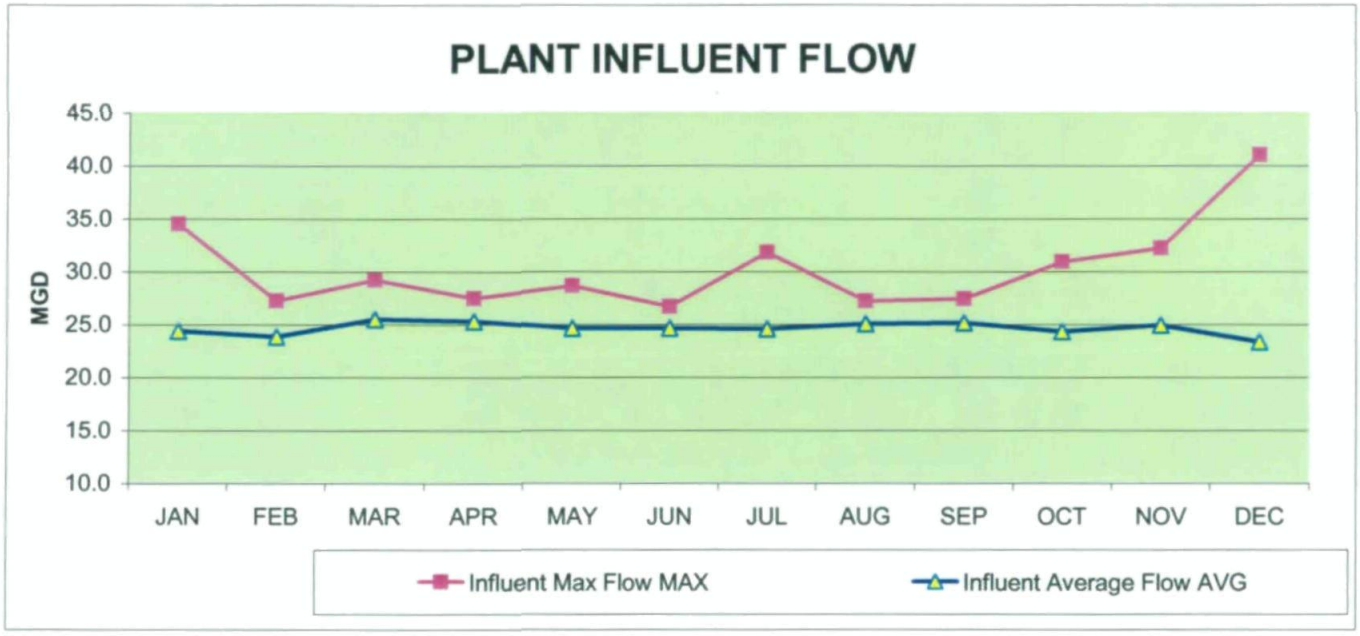

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
MAX	34.47	27.22	29.19	27.46	28.64	26.66	31.80	27.22	27.41	30.93	32.22	41.07
AVG	24.41	23.85	25.49	25.30	24.65	24.63	24.58	25.06	25.15	24.33	24.93	23.37

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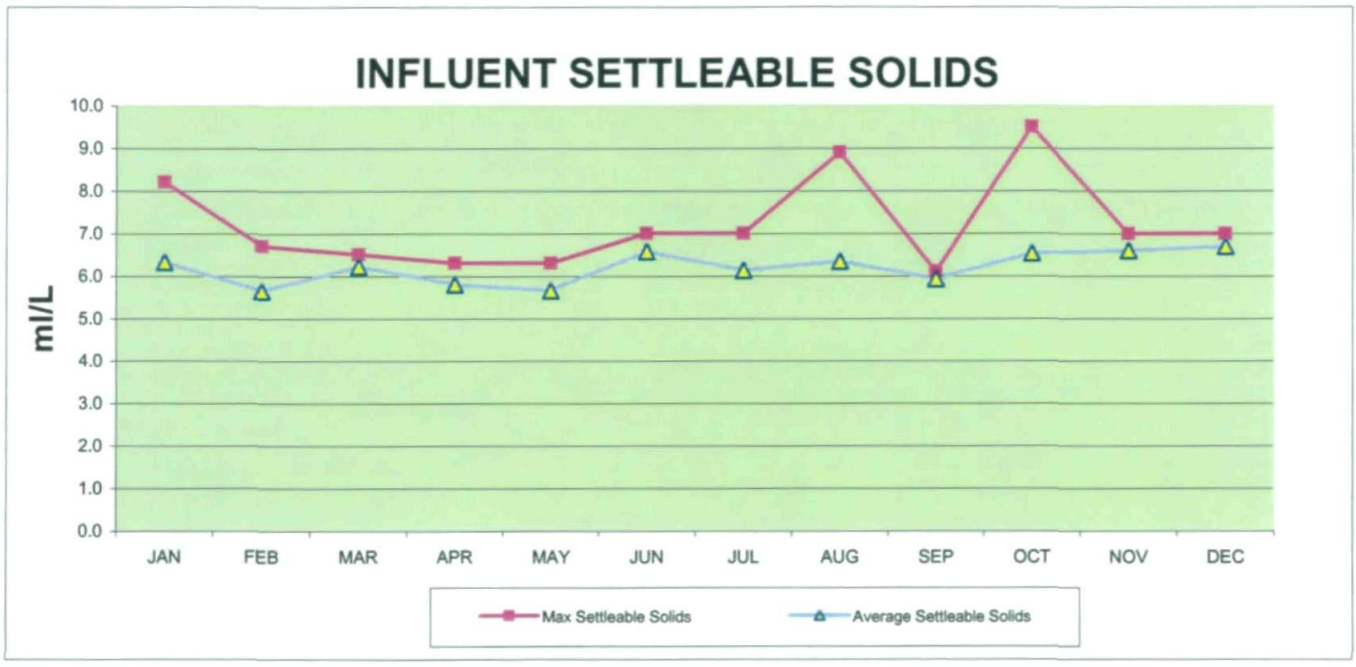

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	8.2	6.7	6.5	6.3	6.3	7.0	7.0	8.9	6.1	9.5	7.0	7.0
Average	6.3	5.6	6.2	5.8	5.7	6.6	6.1	6.3	5.9	6.5	6.6	6.7

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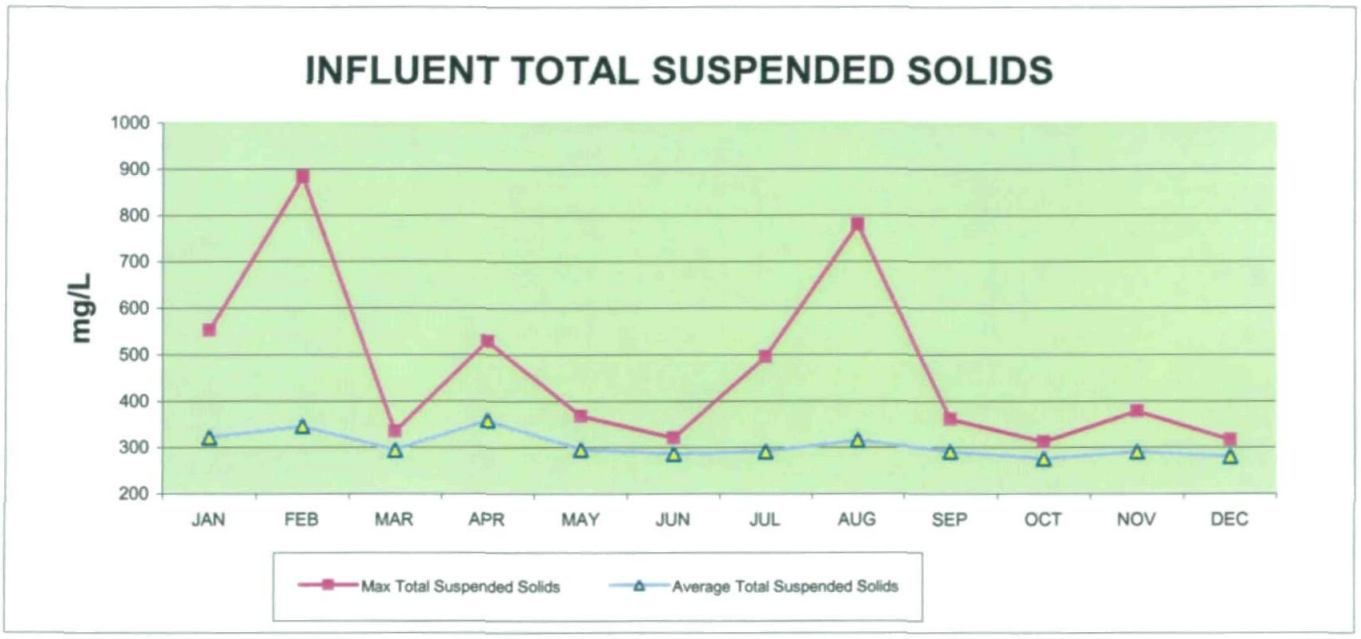

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	552	883	334	529	367	320	496	781	361	312	378	317
Average	321	346	294	358	294	286	290	316	290	275	291	280

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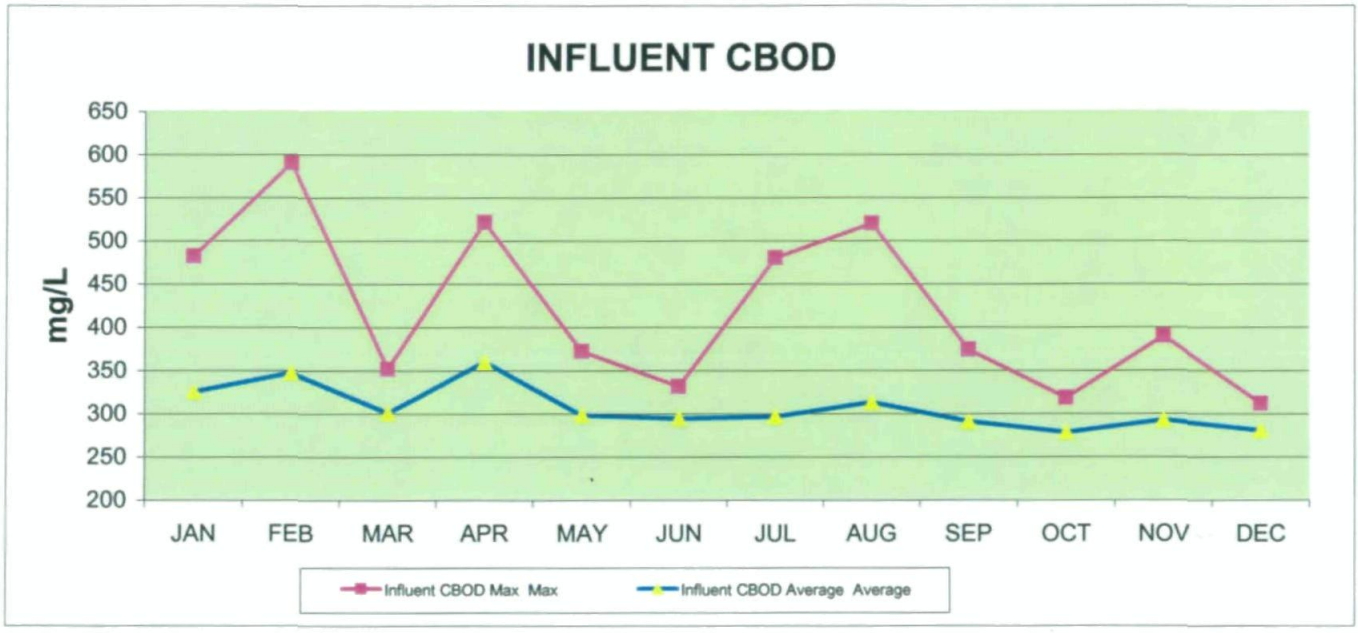

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	482	590	351	521	372	331	480	520	374	318	390	312
Average	326	347	301	360	298	294	297	313	291	279	293	281

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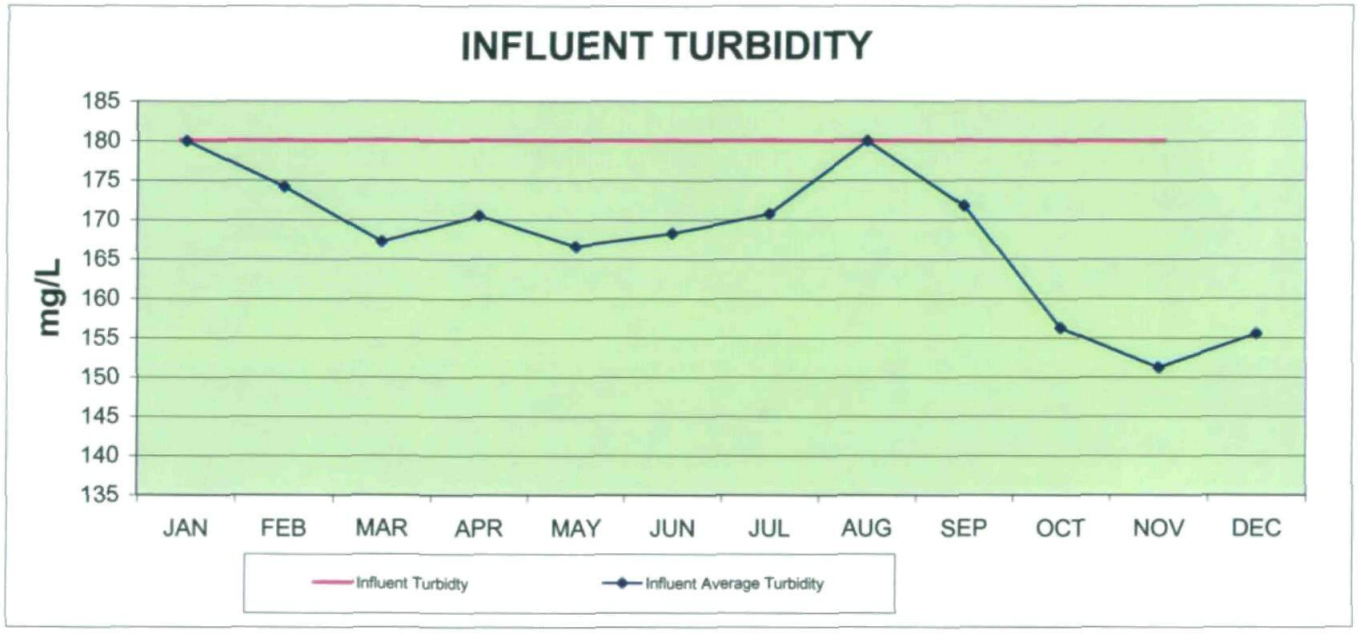

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Max	180	180	180	180	180	180	180	180	180	168	168	180
Average	180	174	167	171	167	168	171	180	172	156	151	156

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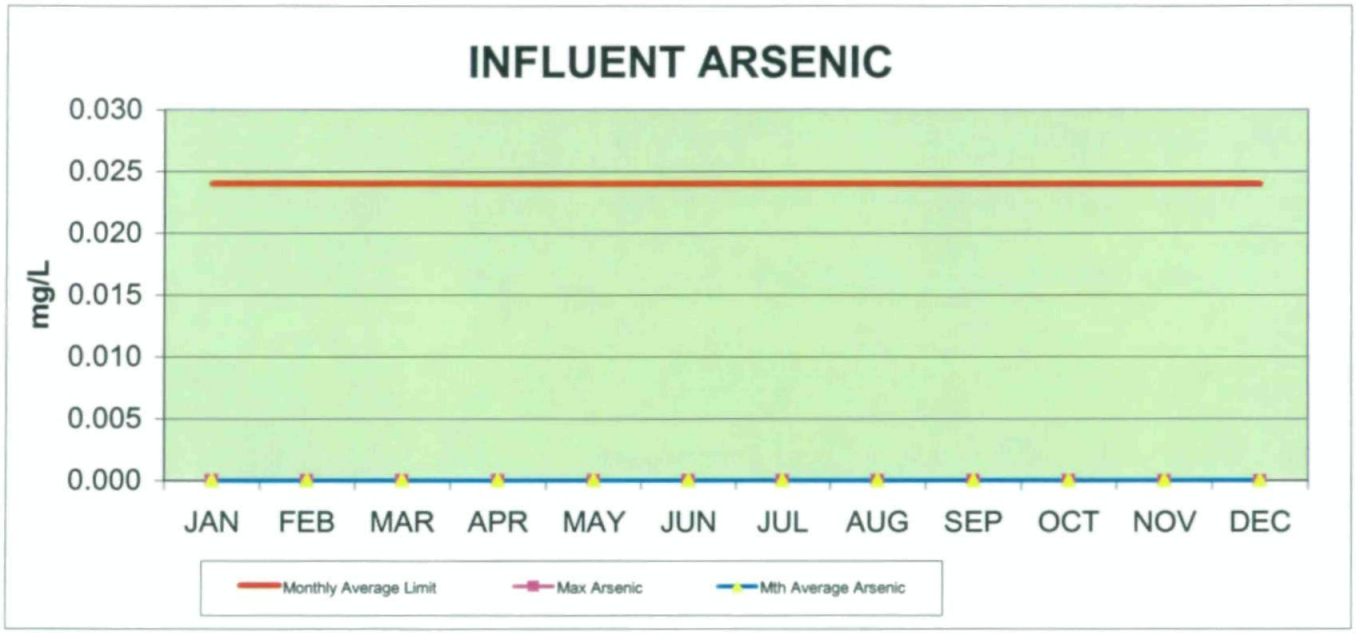

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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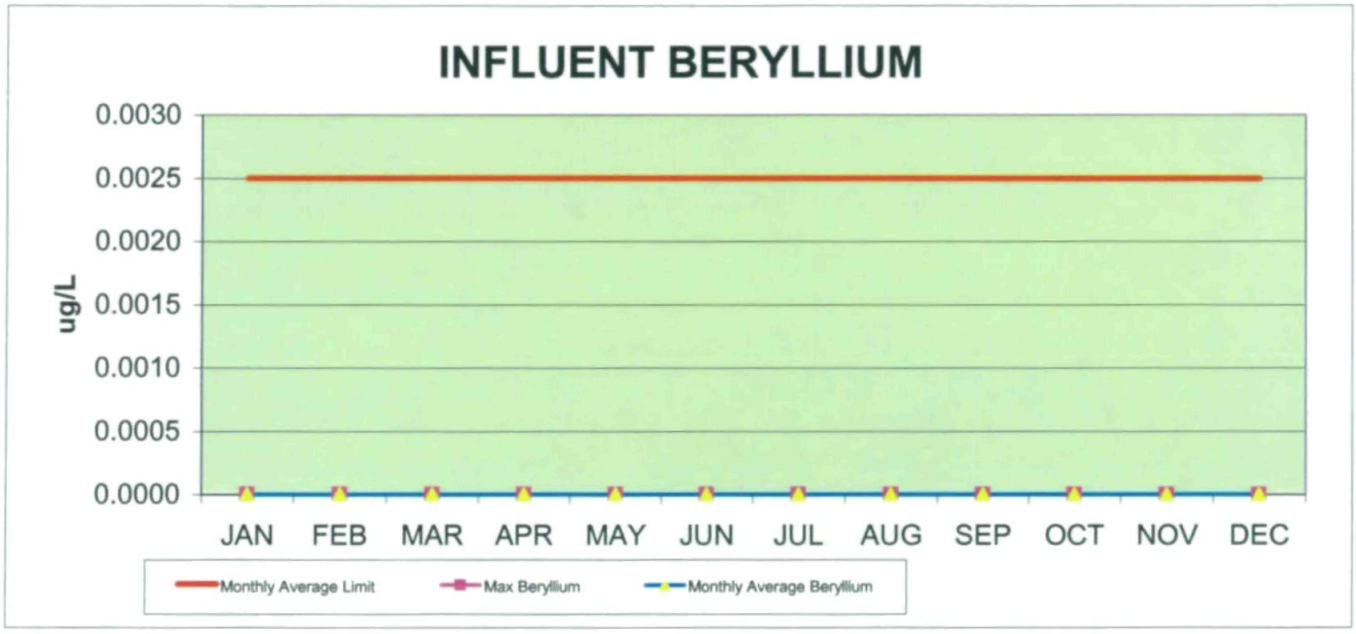

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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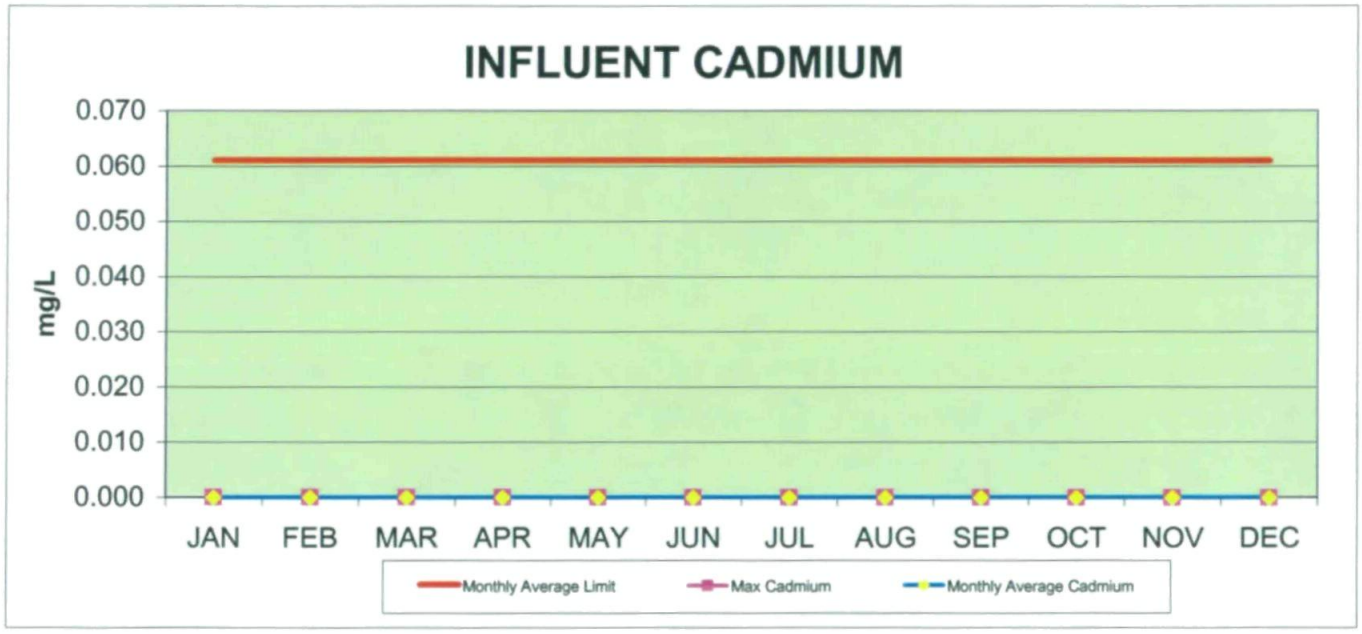

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061	0.061
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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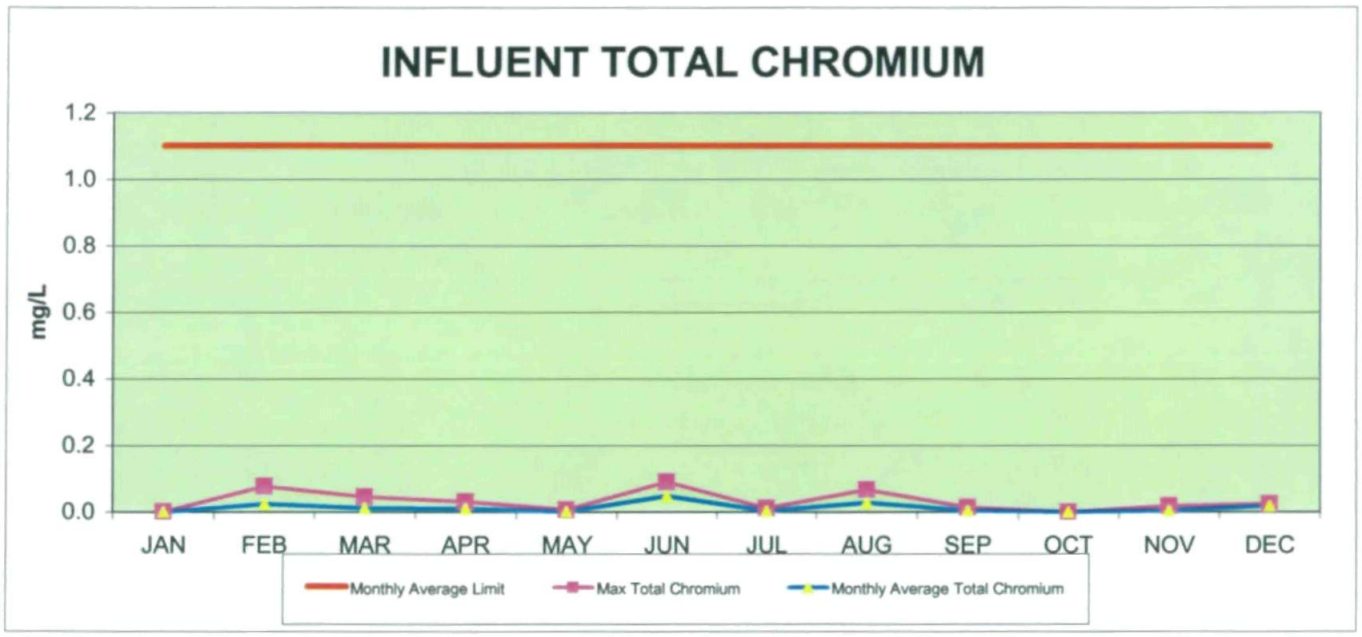

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Max	0.000	0.077	0.045	0.031	0.007	0.090	0.012	0.067	0.014	0.000	0.019	0.025
Average	0.000	0.024	0.012	0.010	0.001	0.048	0.003	0.028	0.004	0.000	0.004	0.018

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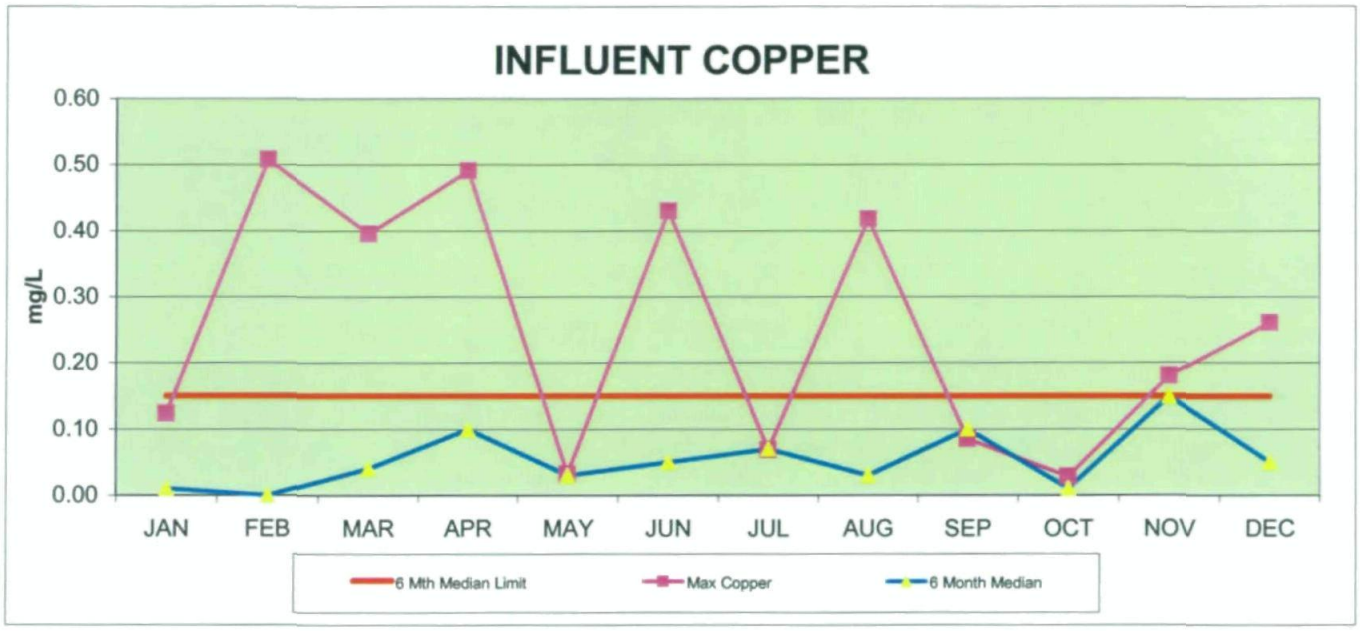

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Max	0.123	0.508	0.395	0.491	0.032	0.430	0.069	0.418	0.085	0.028	0.181	0.261
Median	0.010	0.000	0.040	0.100	0.030	0.050	0.070	0.030	0.100	0.010	0.150	0.050

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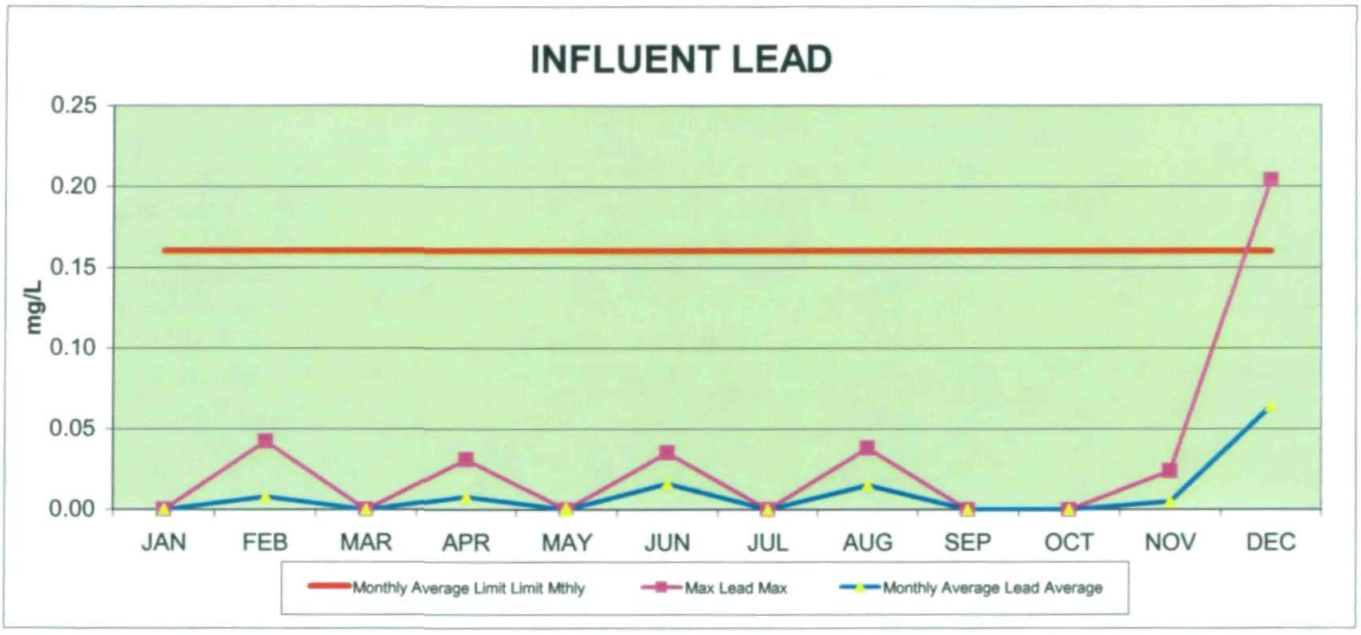

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Mthly	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Max	0.000	0.042	0.000	0.031	0.000	0.035	0.000	0.038	0.000	0.000	0.024	0.204
Average	0.000	0.008	0.000	0.008	0.000	0.016	0.000	0.015	0.000	0.000	0.005	0.064

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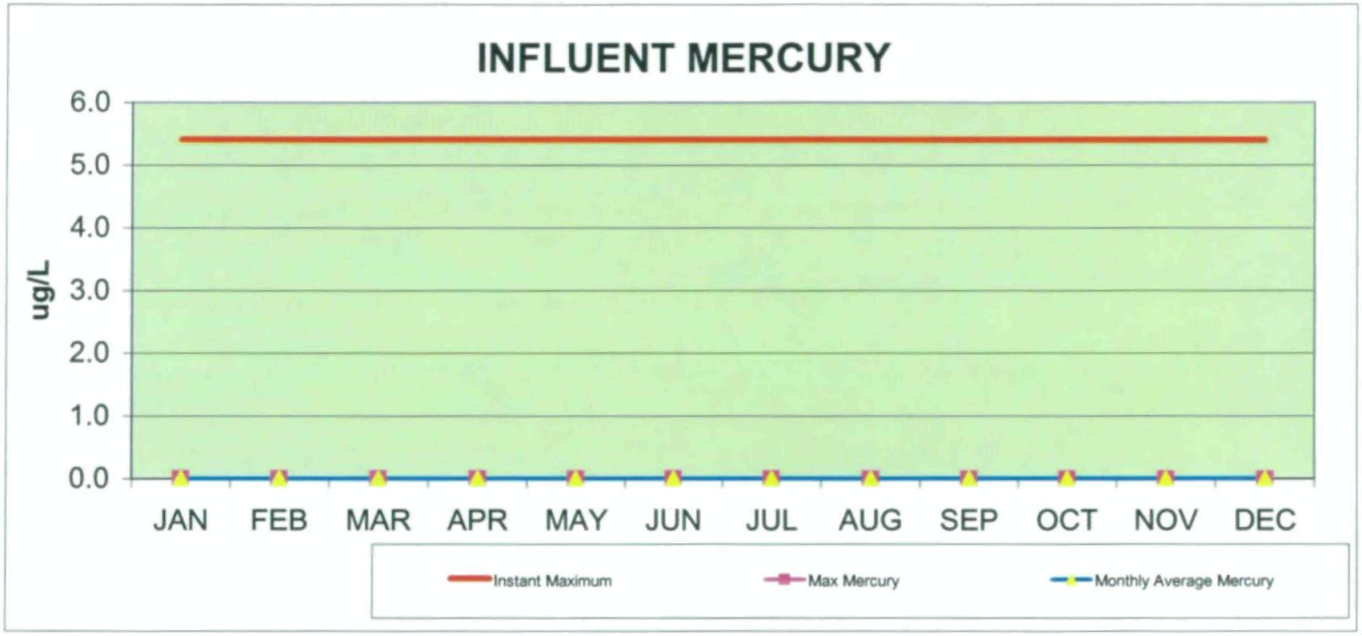

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Max	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

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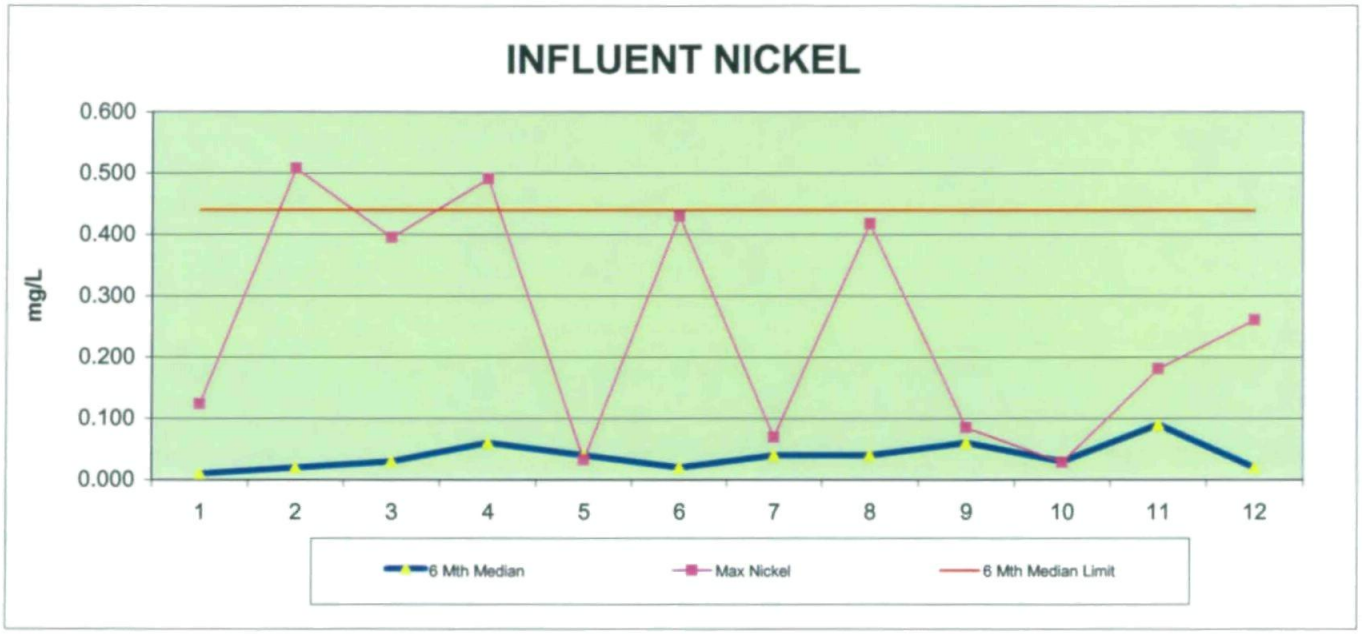

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Max	0.123	0.508	0.395	0.491	0.032	0.430	0.069	0.418	0.085	0.028	0.181	0.261
6 Mth Median	0.010	0.020	0.030	0.060	0.040	0.020	0.040	0.040	0.060	0.030	0.090	0.020

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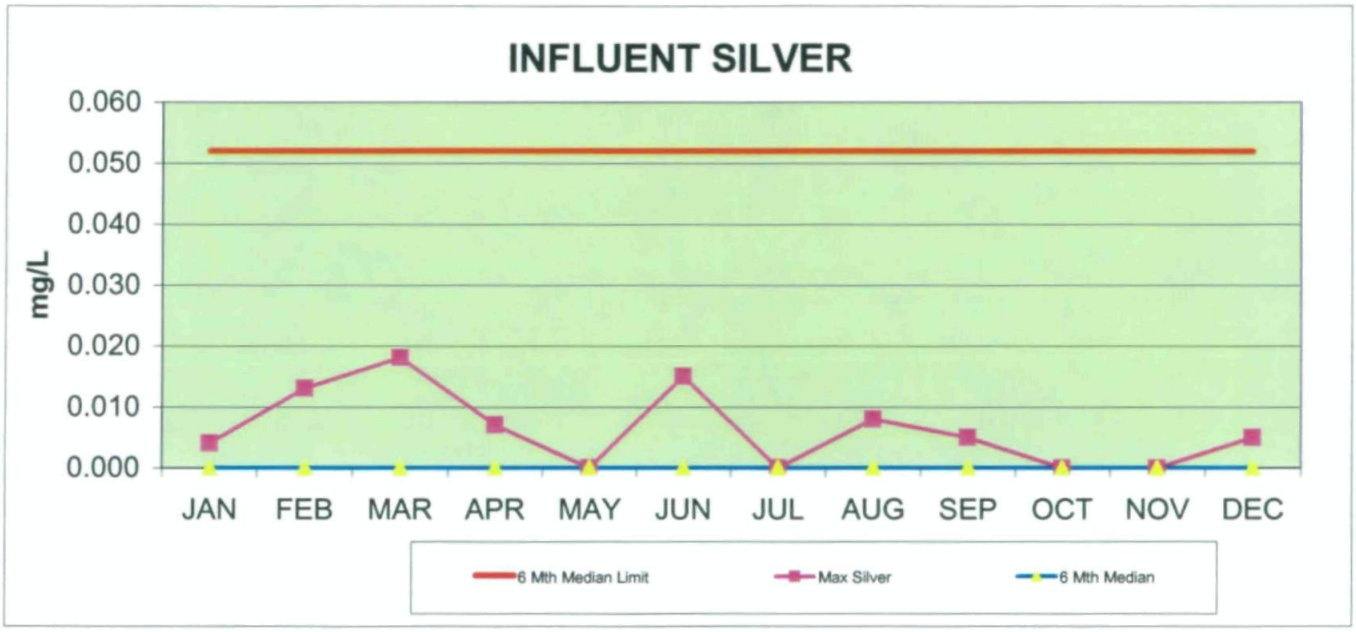

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052	0.052
Max	0.004	0.013	0.018	0.007	0.000	0.015	0.000	0.008	0.005	0.000	0.000	0.005
Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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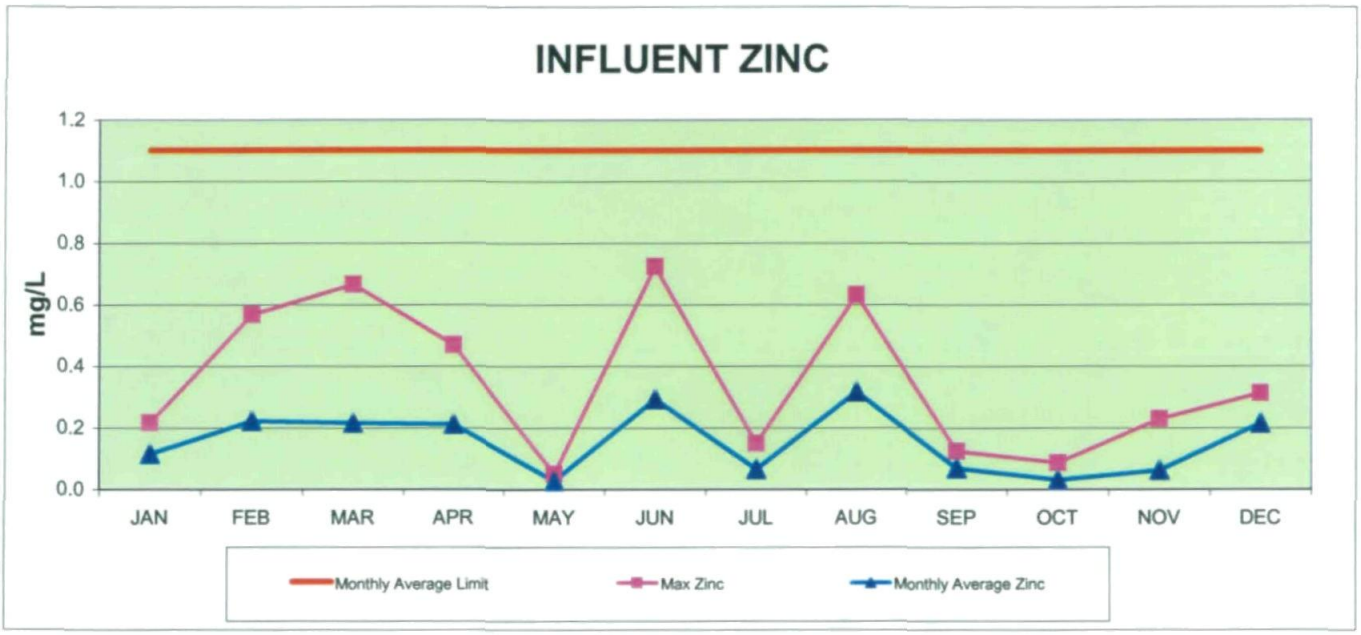

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mthly Limit	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Max	0.217	0.568	0.665	0.470	0.051	0.724	0.151	0.632	0.126	0.088	0.231	0.315
Average	0.115	0.223	0.216	0.212	0.027	0.293	0.065	0.317	0.069	0.031	0.062	0.215

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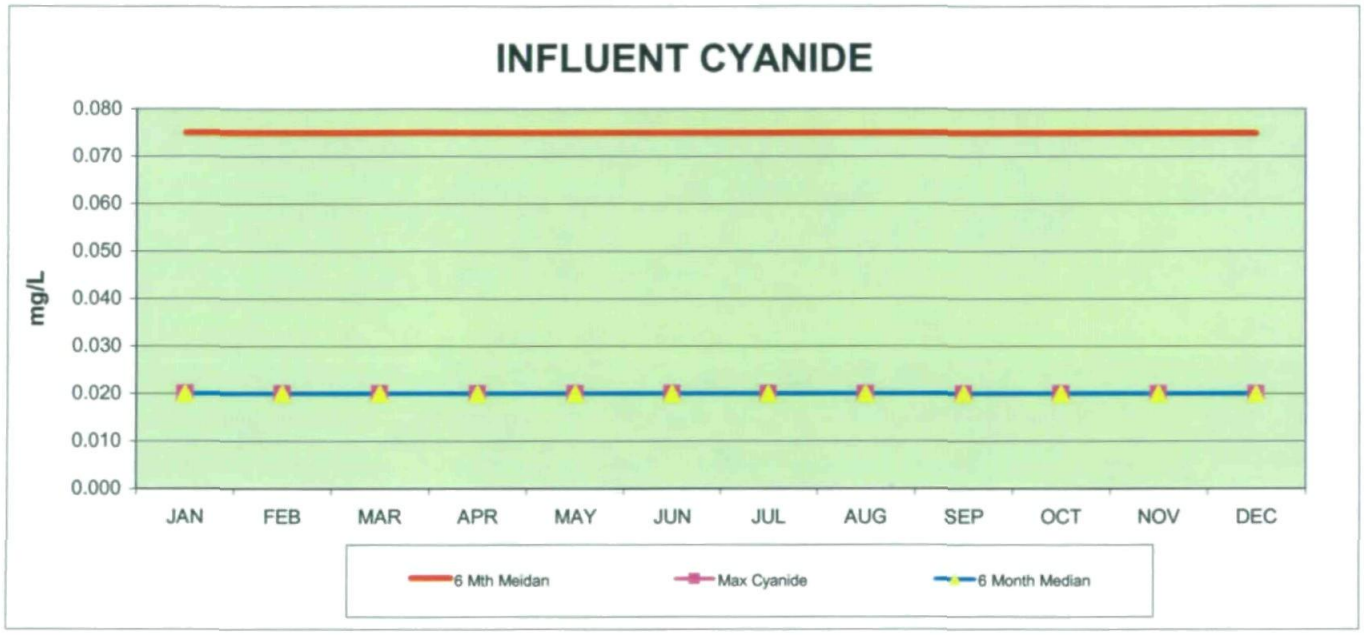

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6 Mth Limit	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
Max	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Median	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020

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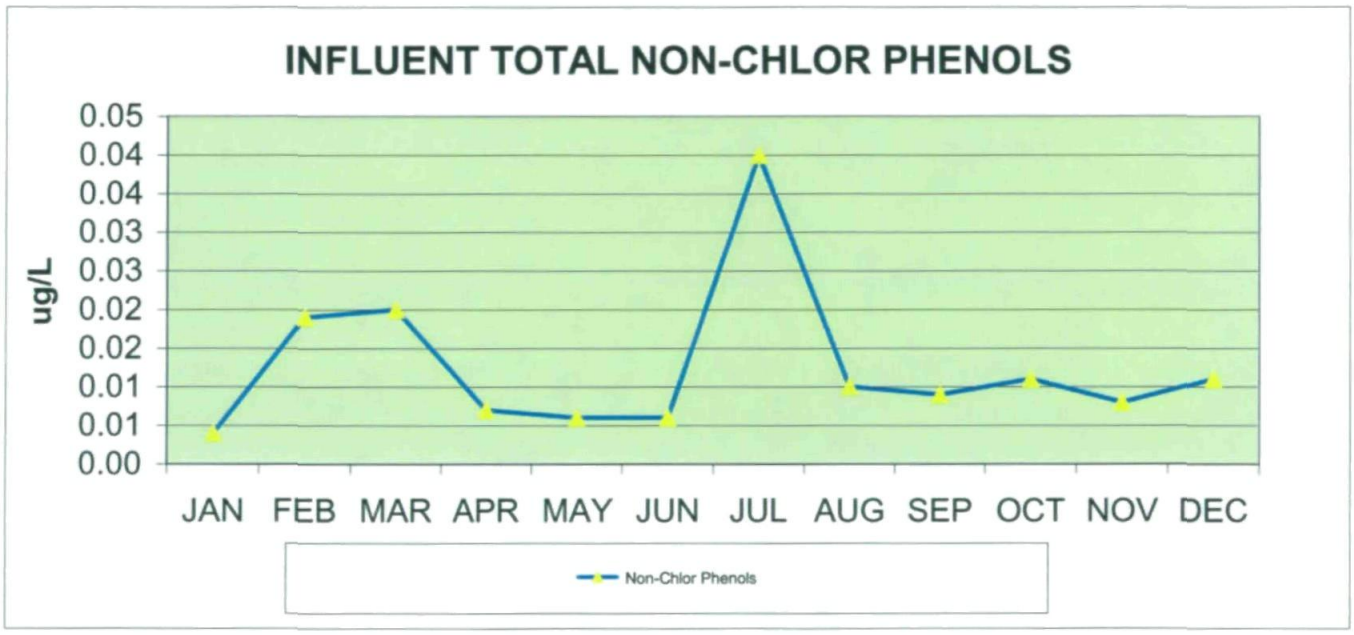

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average	0.004	0.019	0.020	0.007	0.006	0.006	0.040	0.010	0.009	0.011	0.008	0.011

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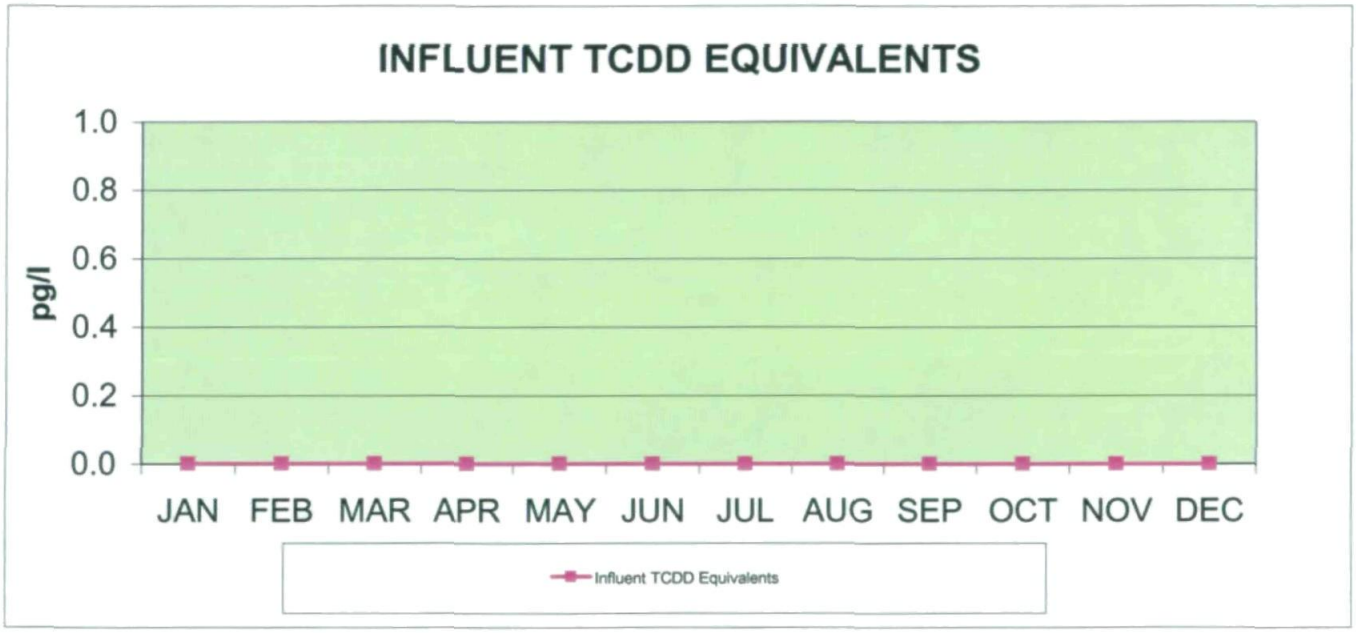

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EFFLUENT GRAPHS

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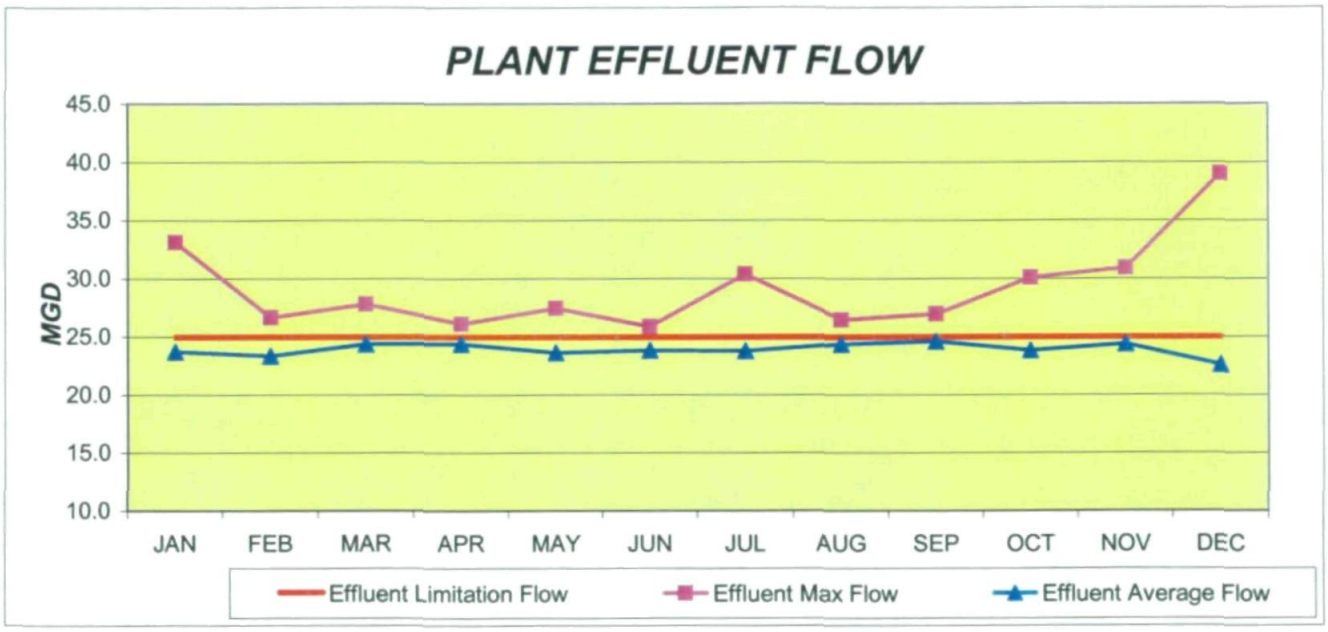

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Max	33.15	26.68	27.84	26.15	27.49	25.92	30.41	26.49	27.00	30.10	30.92	39.03
Average	23.75	23.39	24.39	24.40	23.67	23.85	23.80	24.37	24.62	23.84	24.39	22.62

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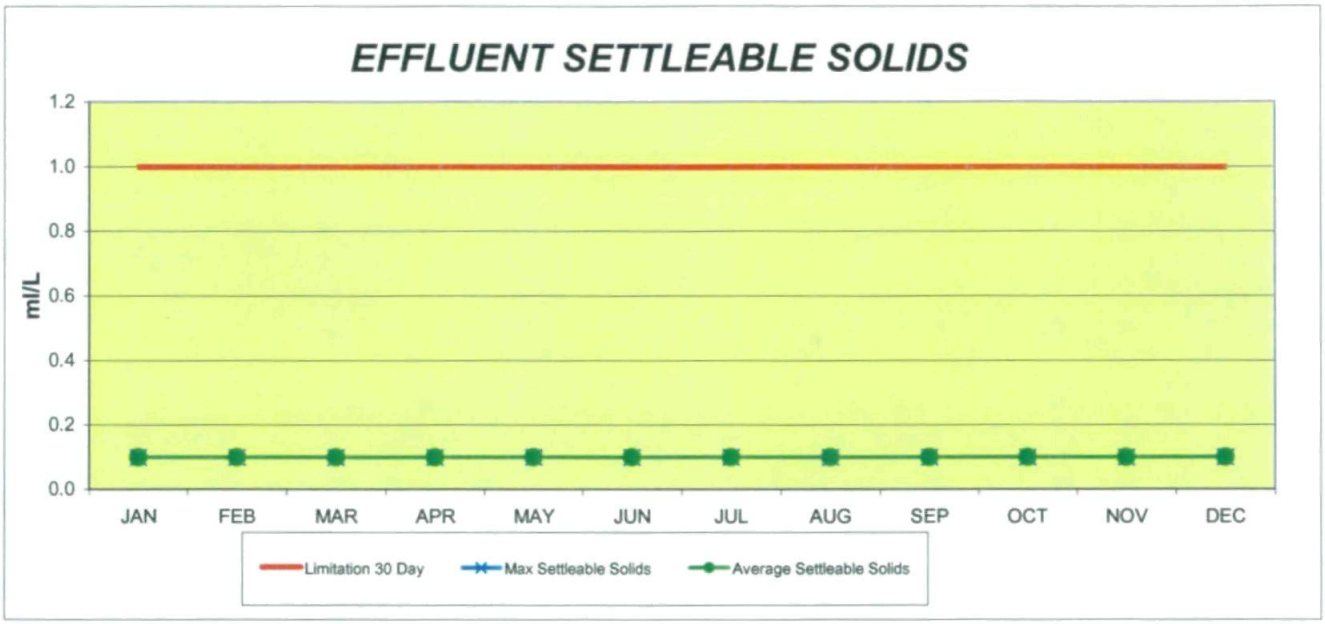

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Max	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Average	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

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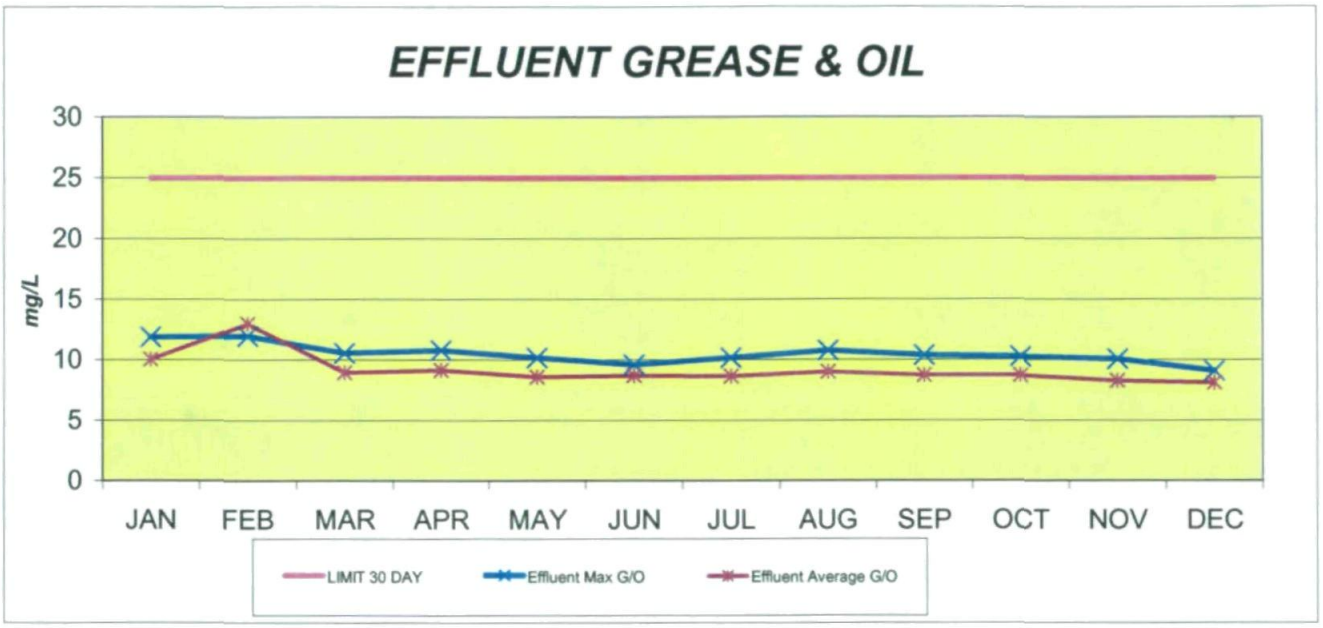

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	25	25	25	25	25	25	25	25	25	25	25	25
Max	11.9	12.0	10.6	10.8	10.2	9.6	10.2	10.8	10.4	10.3	10.1	9.1
Average	10.1	13.0	9.0	9.2	8.6	8.7	8.7	9.0	8.8	8.7	8.3	8.1

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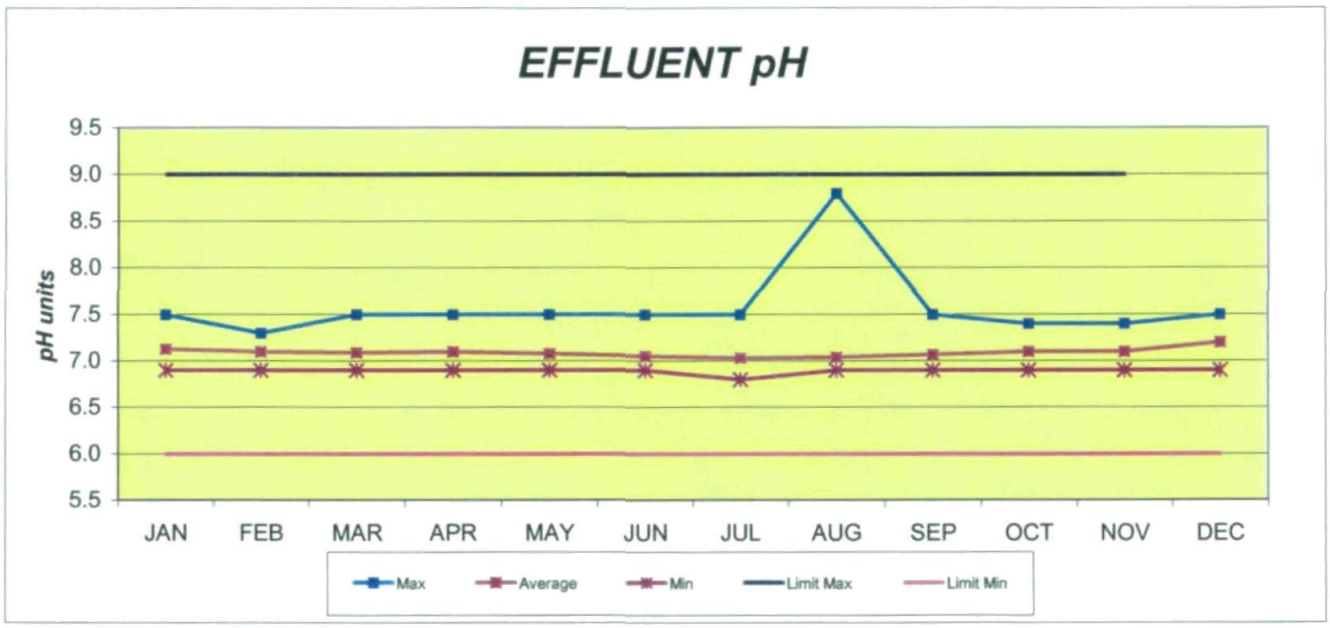

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	9	9	9	9	9	9	9	9	9	9	9	9
Limit Min	6	6	6	6	6	6	6	6	6	6	6	6
Max	7.5	7.3	7.5	7.5	7.5	7.5	7.5	8.8	7.5	7.4	7.4	7.5
Average	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.1	7.1	7.1	7.2
Min	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.9	6.9	6.9

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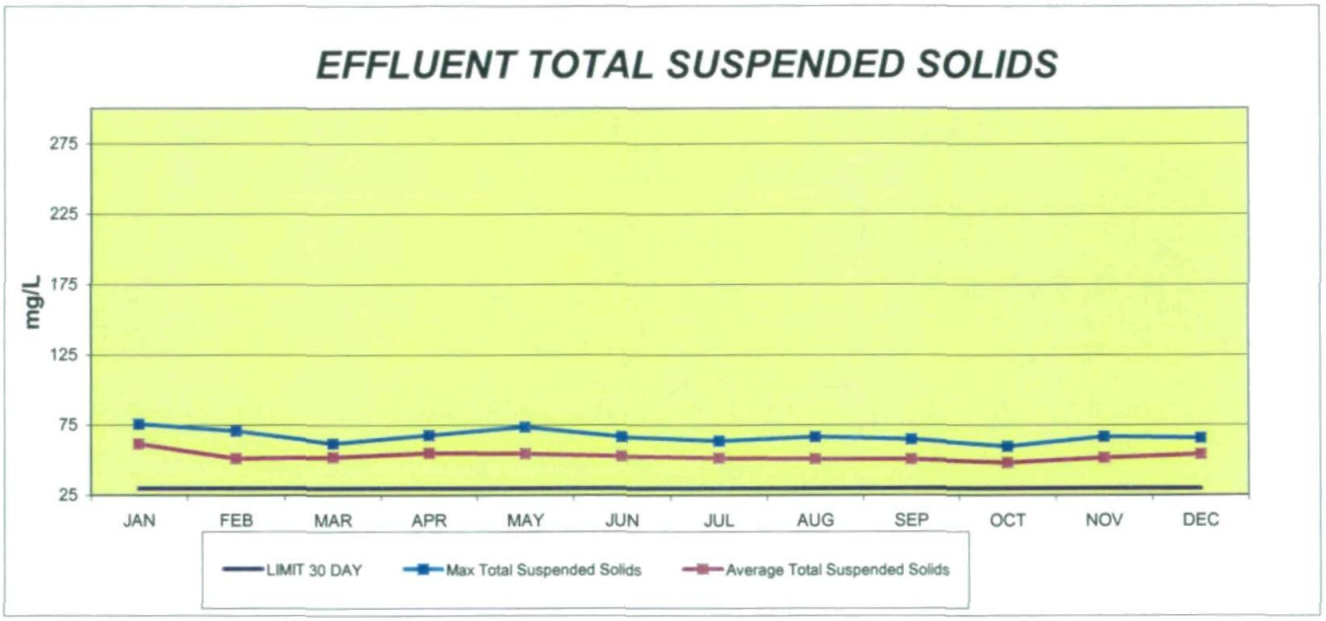

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	30	30	30	30	30	30	30	30	30	30	30	30
Max	76	71	62	68	74	67	64	67	65	60	67	66
Average	62	51	52	55	55	53	52	51	51	48	52	54

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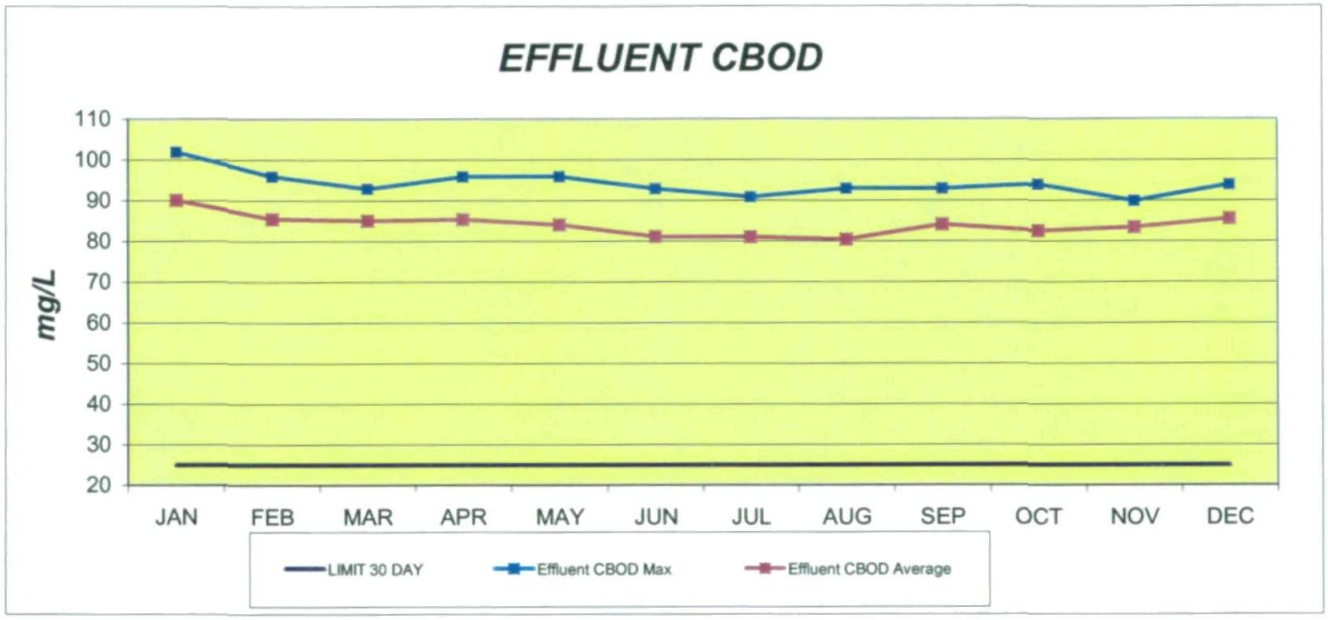

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	25	25	25	25	25	25	25	25	25	25	25	25
Max	102	96	93	96	96	93	91	93	93	94	90	94
Average	90	86	85	85	84	81	81	81	84	83	84	86

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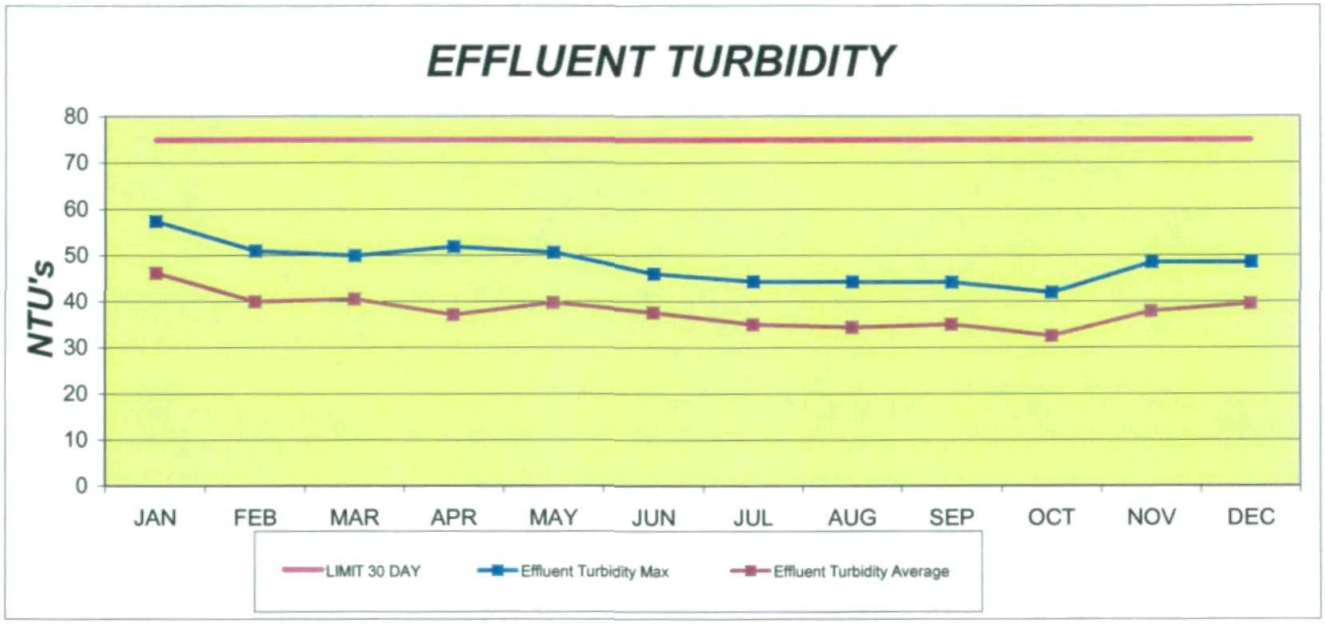

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	75	75	75	75	75	75	75	75	75	75	75	75
Max	57.4	51.0	50.0	51.9	50.7	46.0	44.4	44.3	44.2	42.0	48.5	48.6
Average	46.3	40.0	40.5	37.2	39.8	37.7	35.1	34.5	35.1	32.6	37.9	39.6

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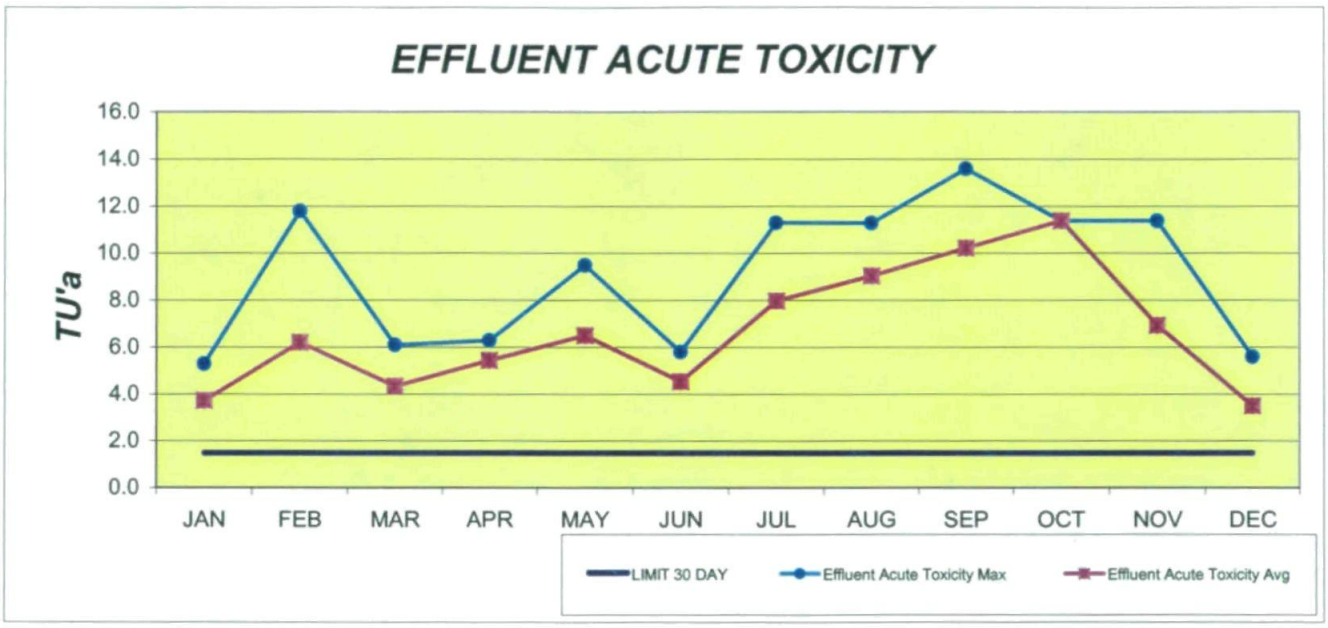

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Max	5.3	11.8	6.1	6.3	9.5	5.8	11.3	11.3	13.6	11.4	11.4	5.6
Average	3.7	6.2	4.4	5.5	6.5	4.6	8.0	9.1	10.2	11.4	7.0	3.5

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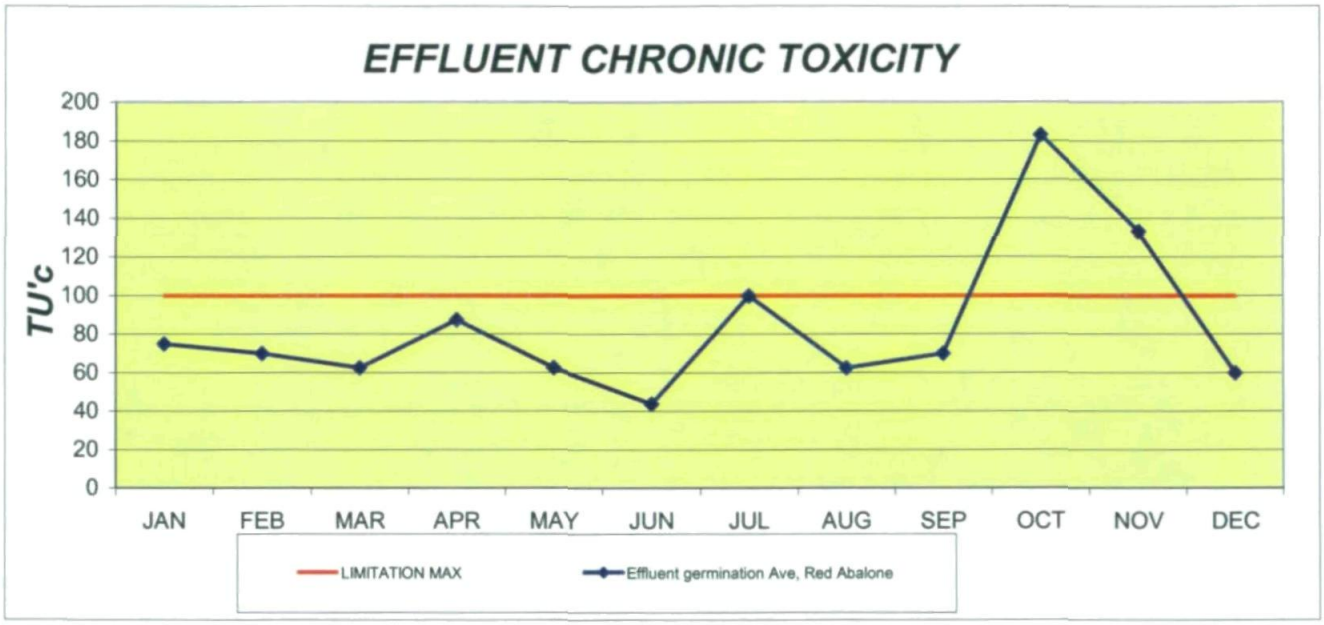

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Max	100	100	100	100	100	100	100	100	100	100	100	100
Red Abalone, Germ.	75.0	70.0	62.5	87.5	62.5	43.8	100.0	62.5	70.0	183.3	133.3	60.0

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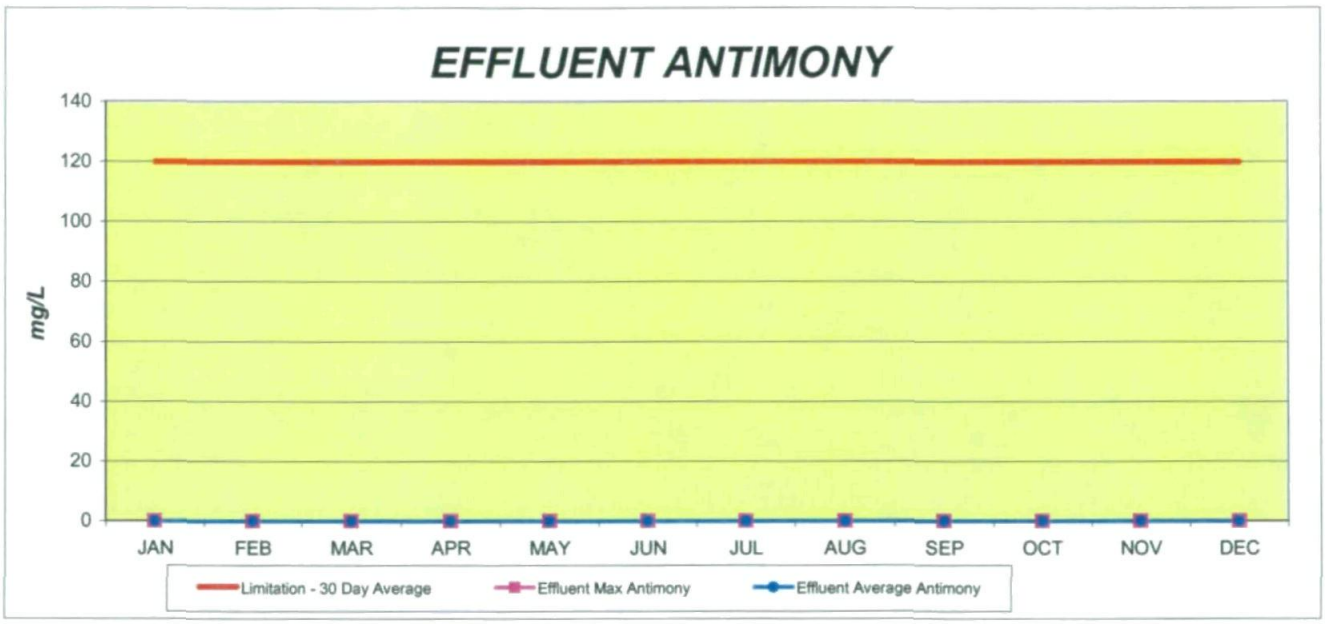

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	120	120	120	120	120	120	120	120	120	120	120	120
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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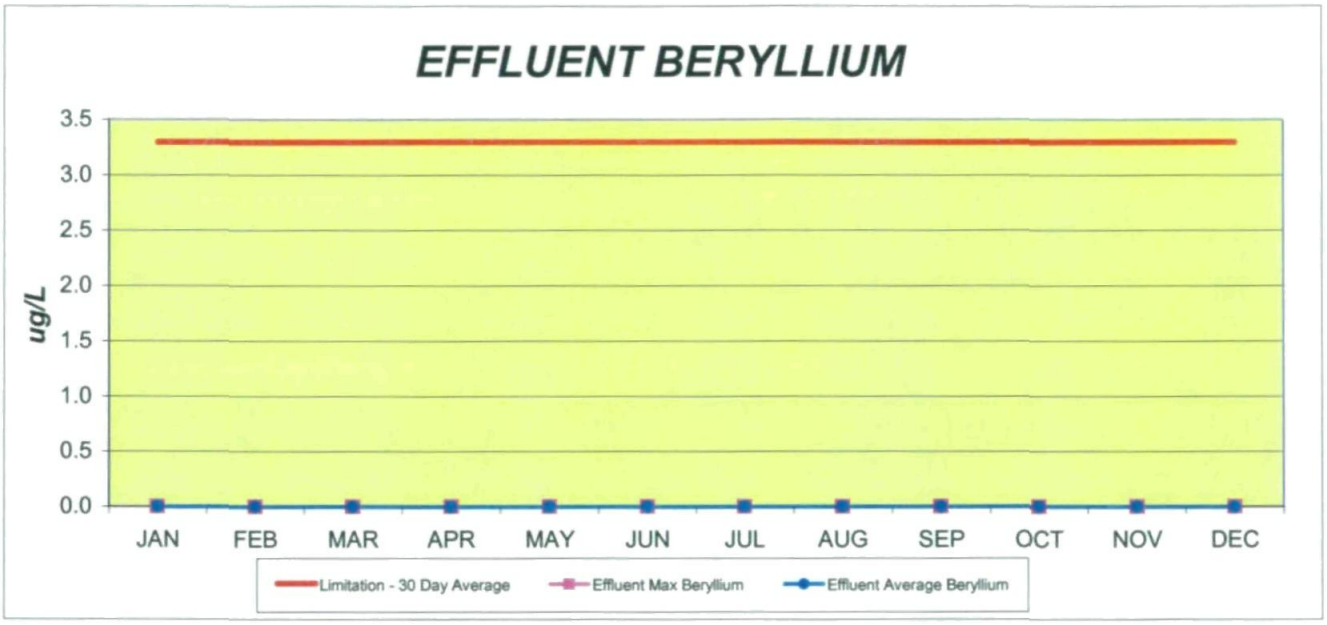

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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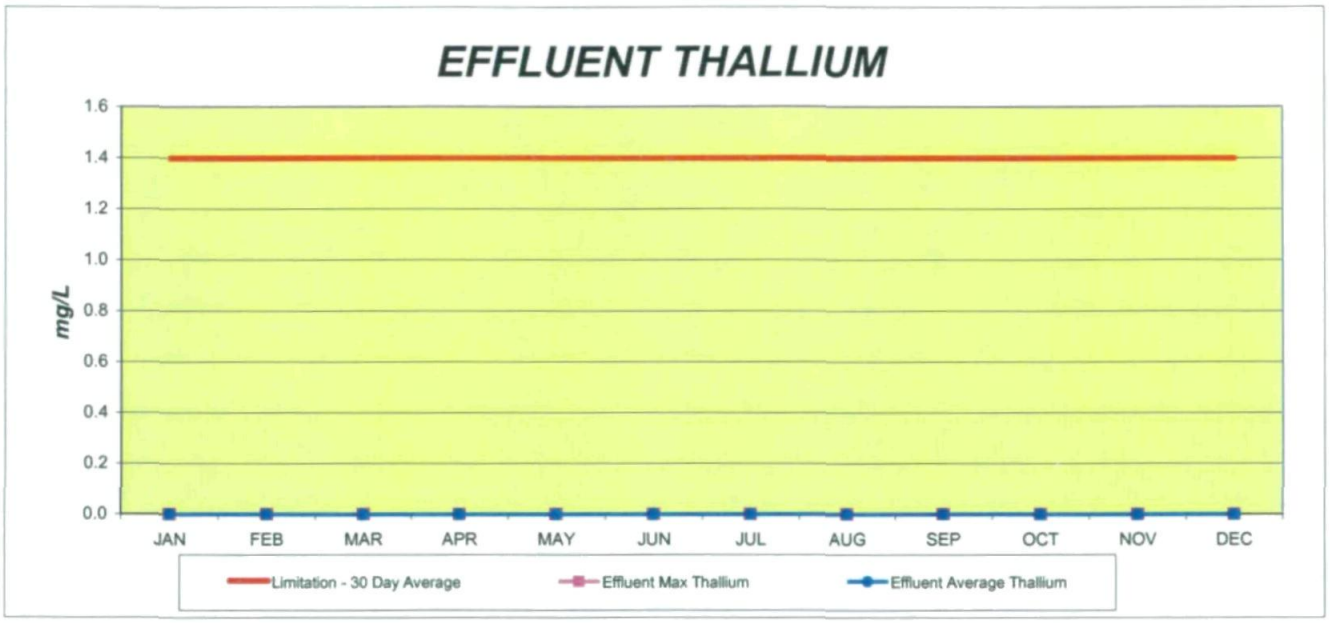

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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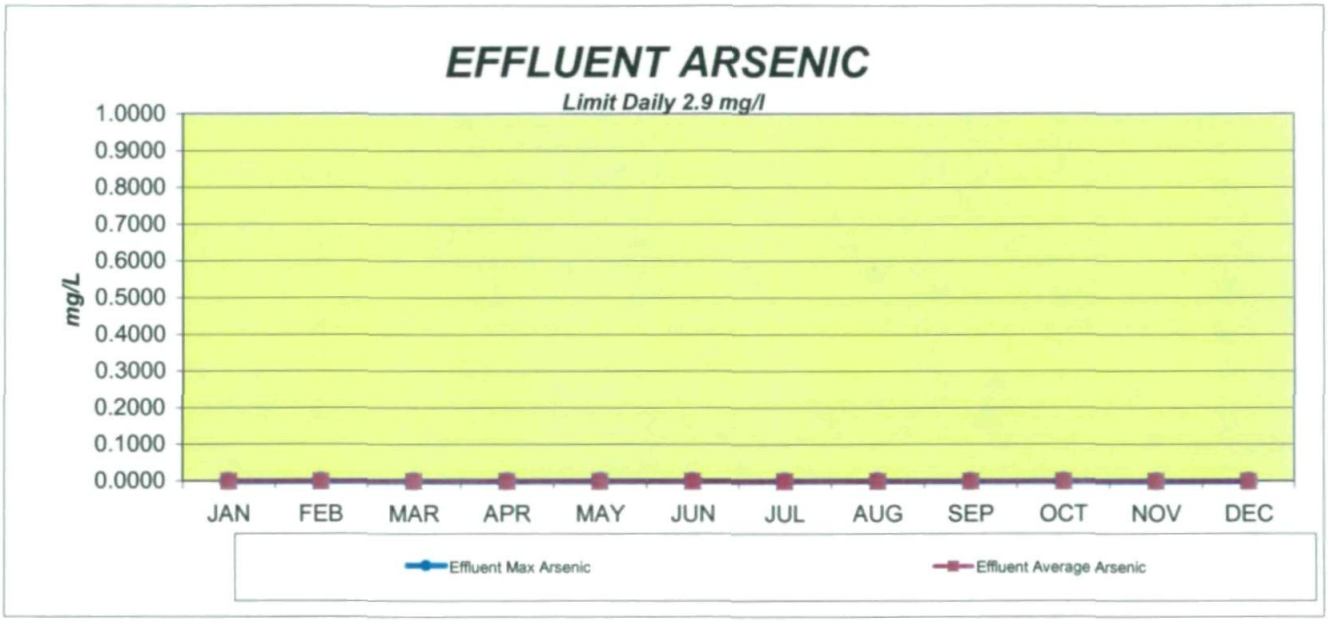

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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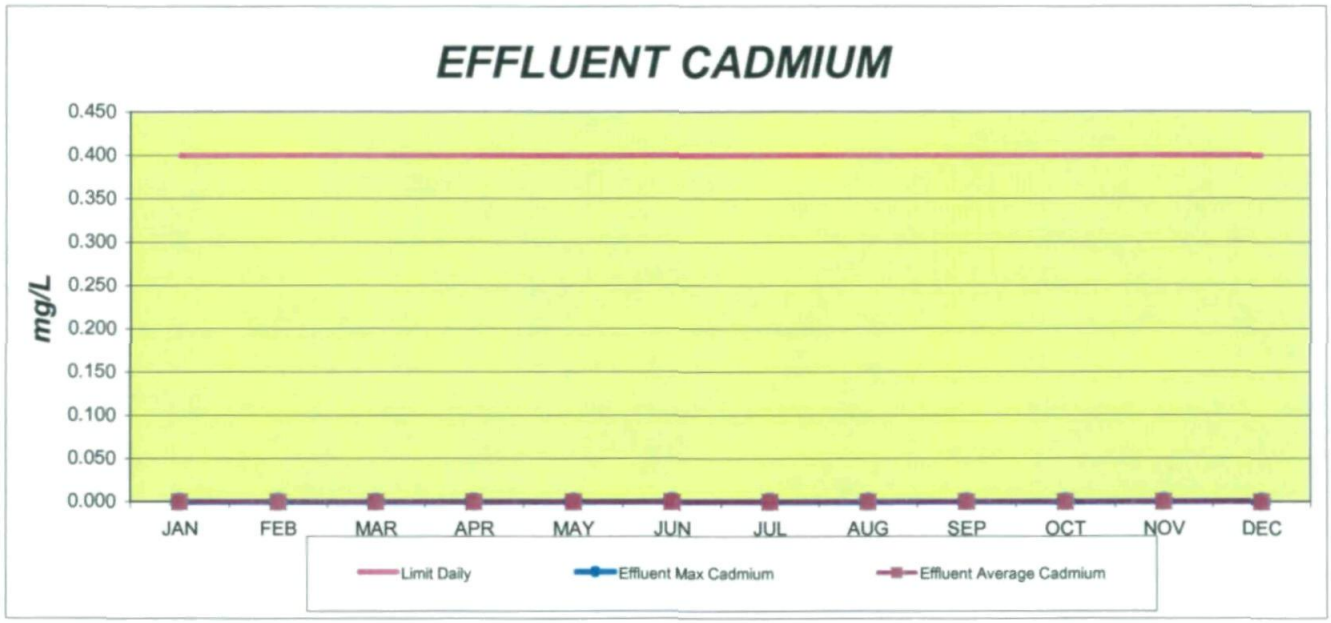

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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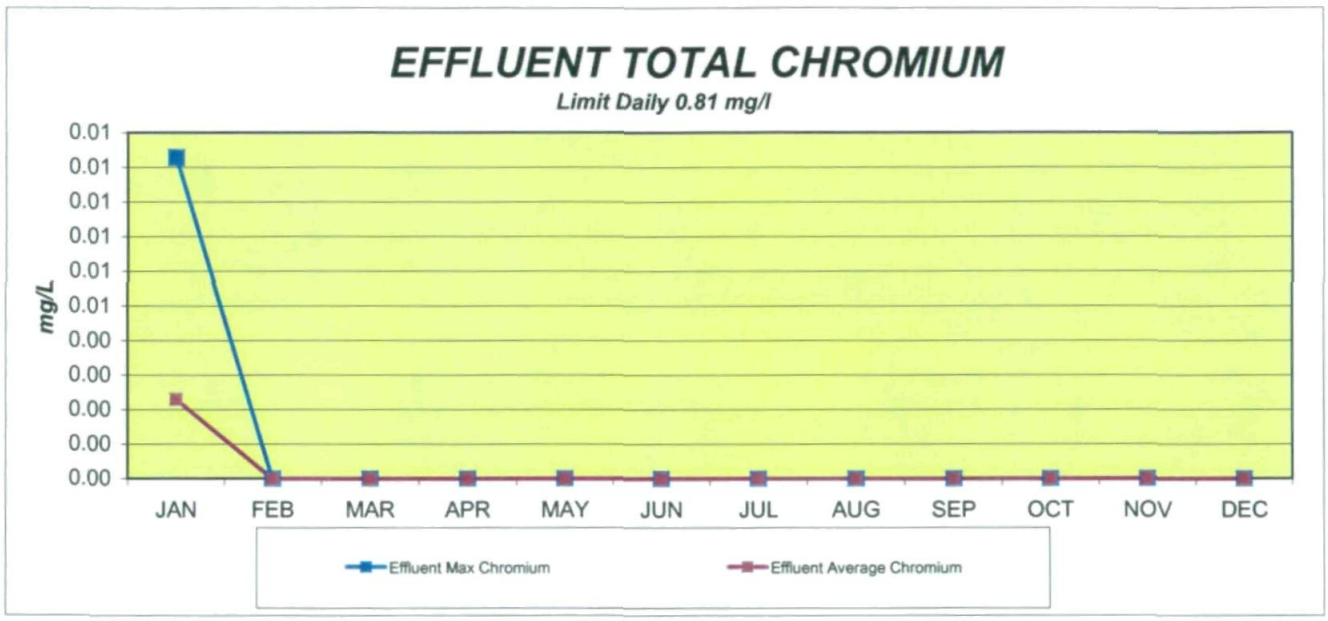

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Max	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000

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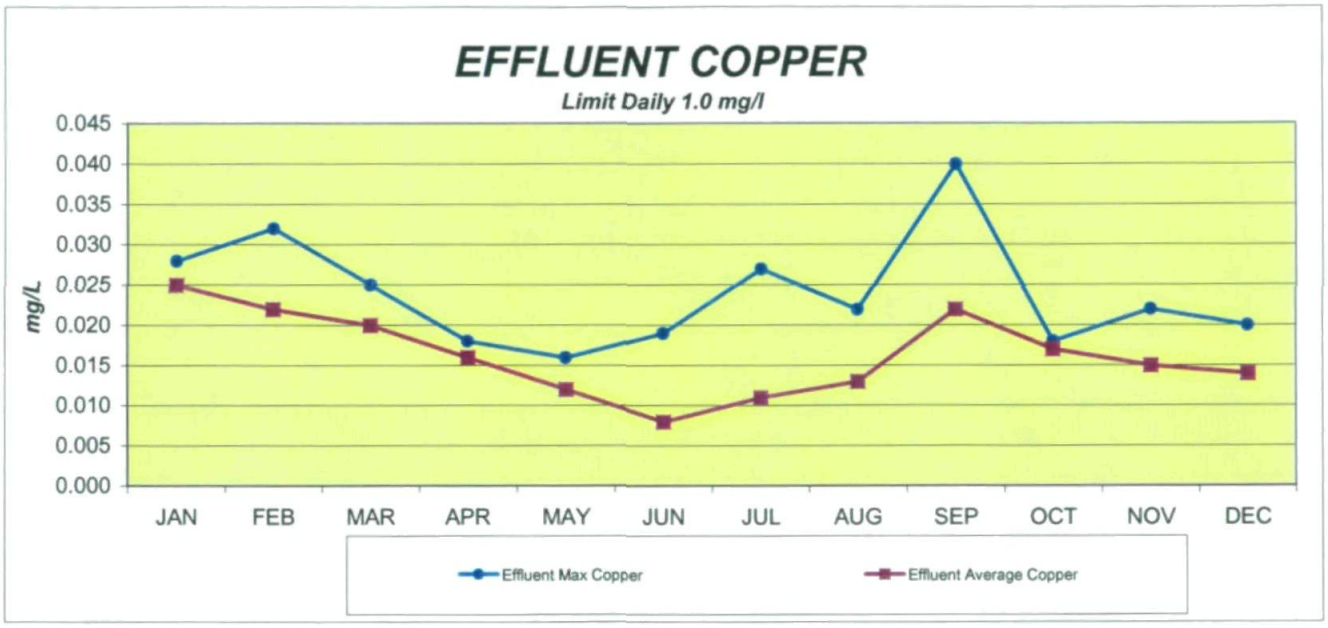

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Max	0.028	0.032	0.025	0.018	0.016	0.019	0.027	0.022	0.040	0.018	0.022	0.020
Average	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01

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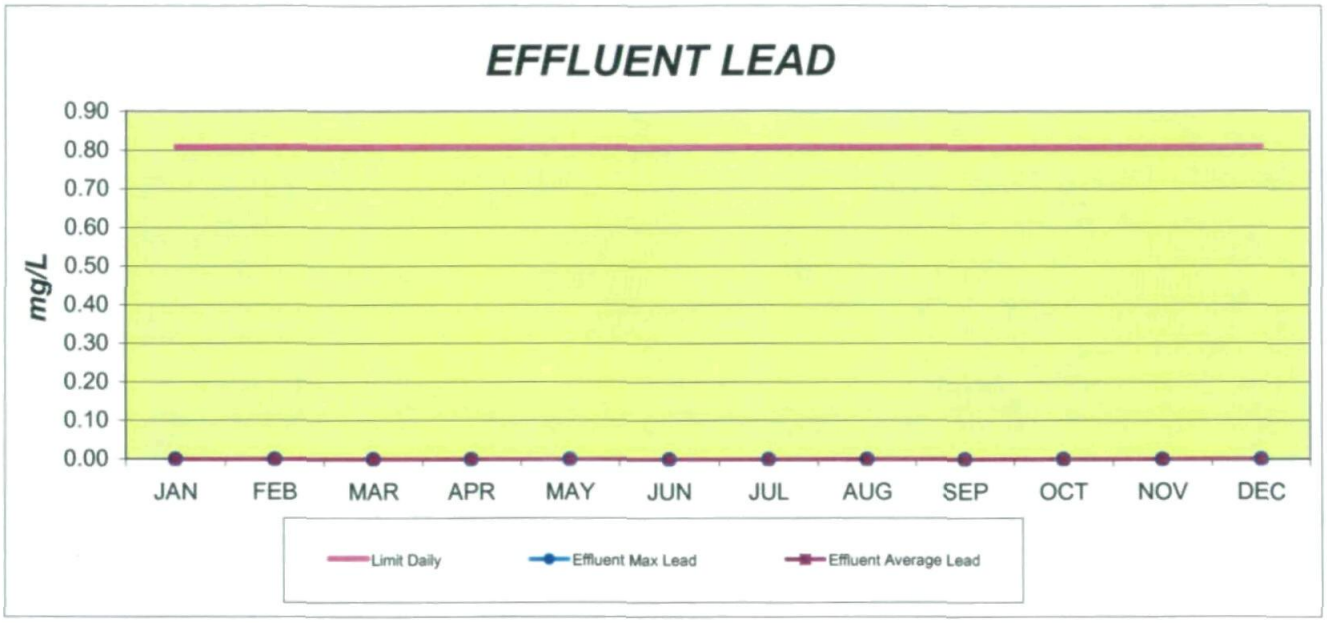

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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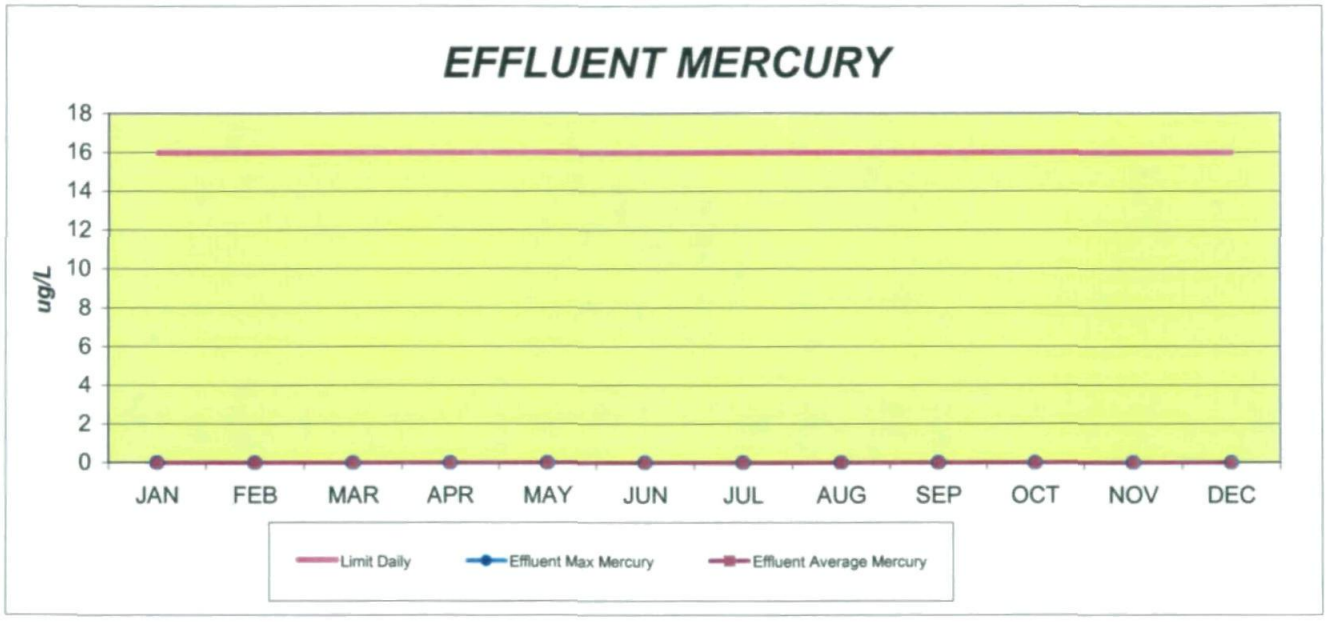

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	16	16	16	16	16	16	16	16	16	16	16	16
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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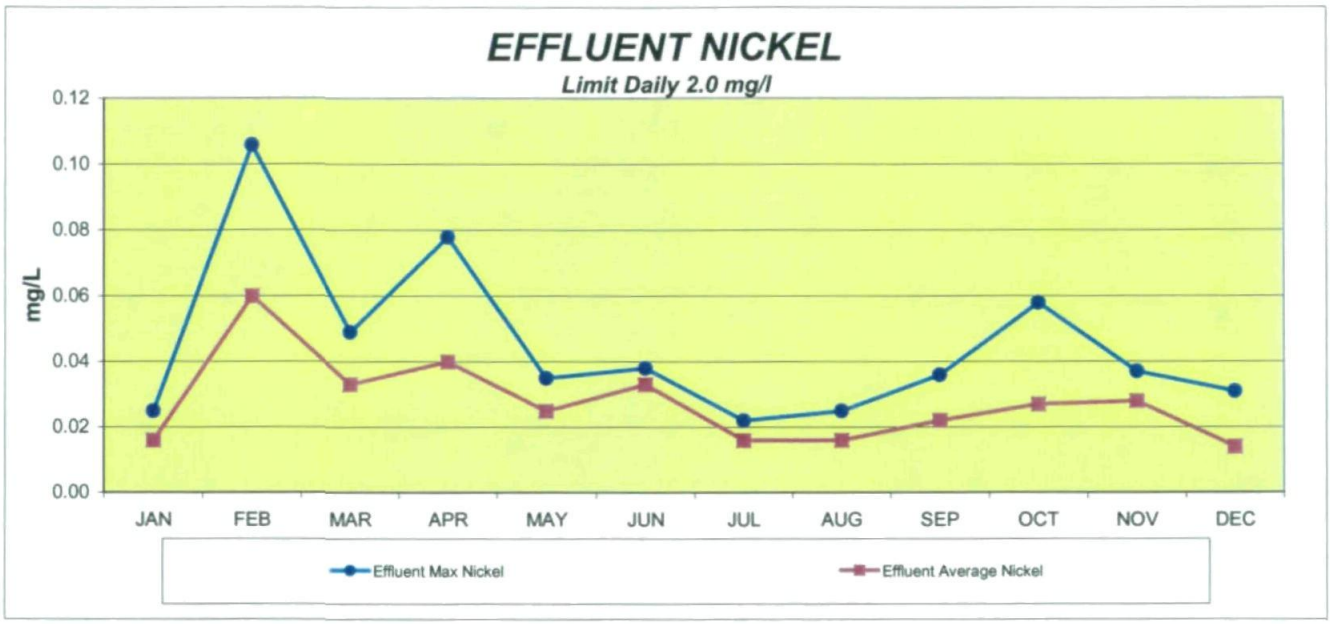

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max	0.03	0.11	0.05	0.08	0.04	0.04	0.02	0.03	0.04	0.06	0.04	0.03
Average	0.02	0.06	0.03	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.01

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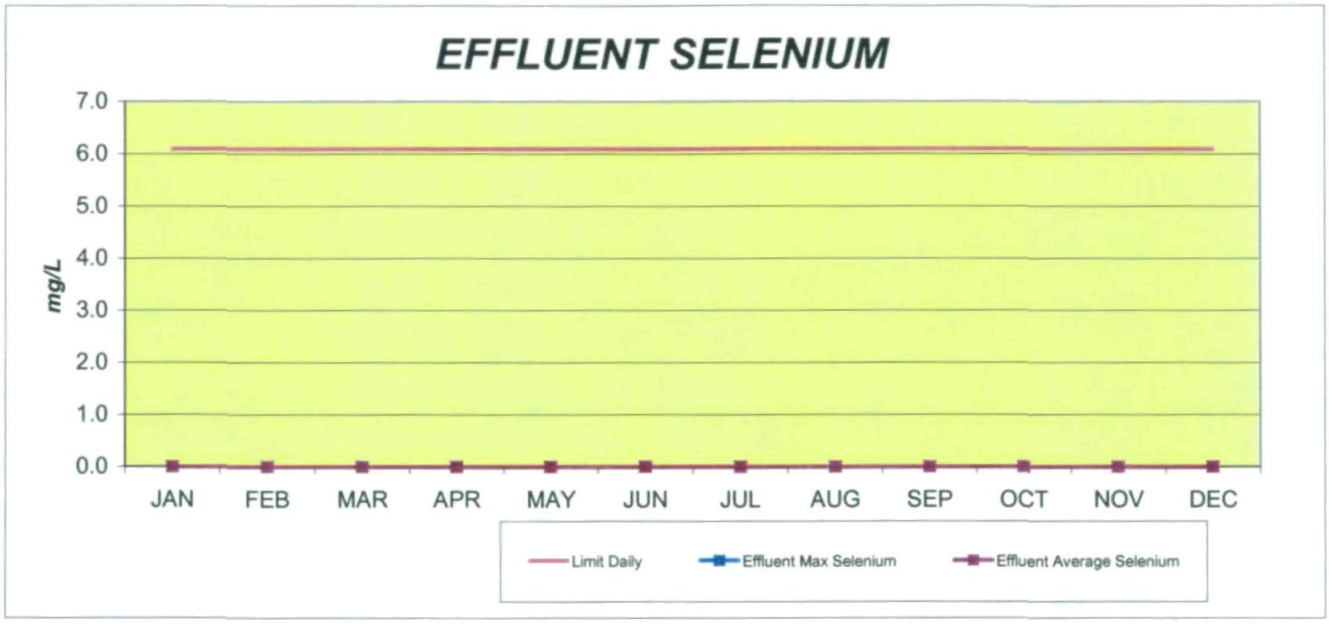

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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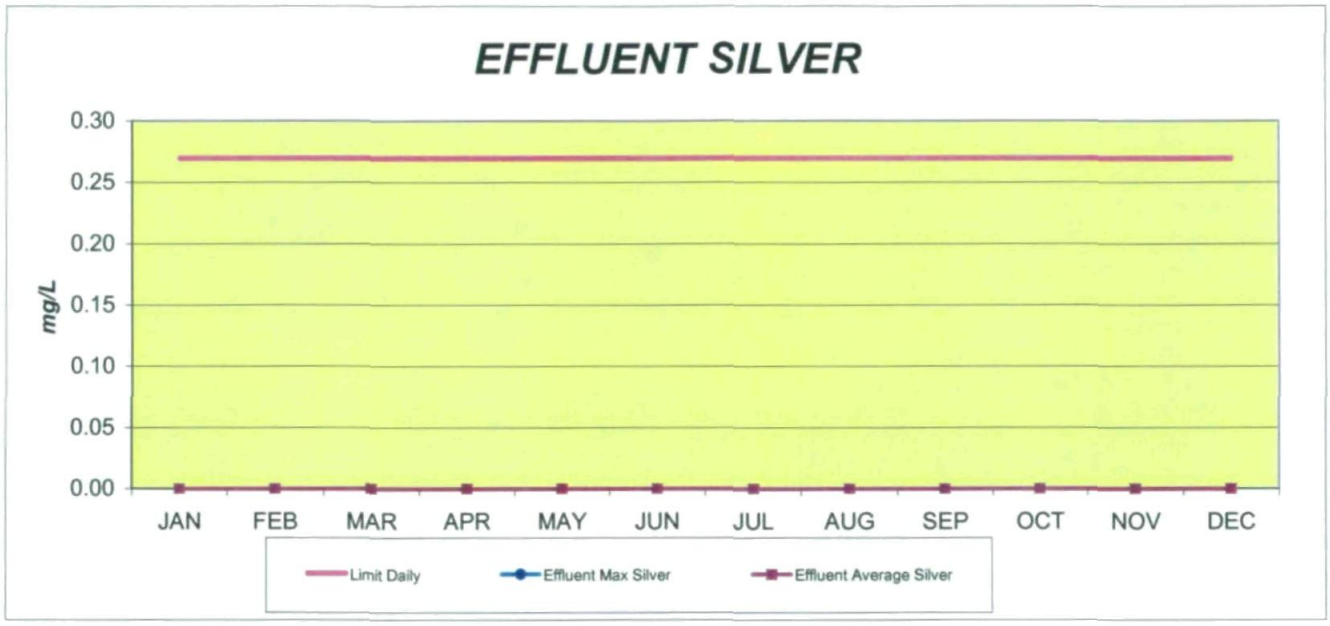

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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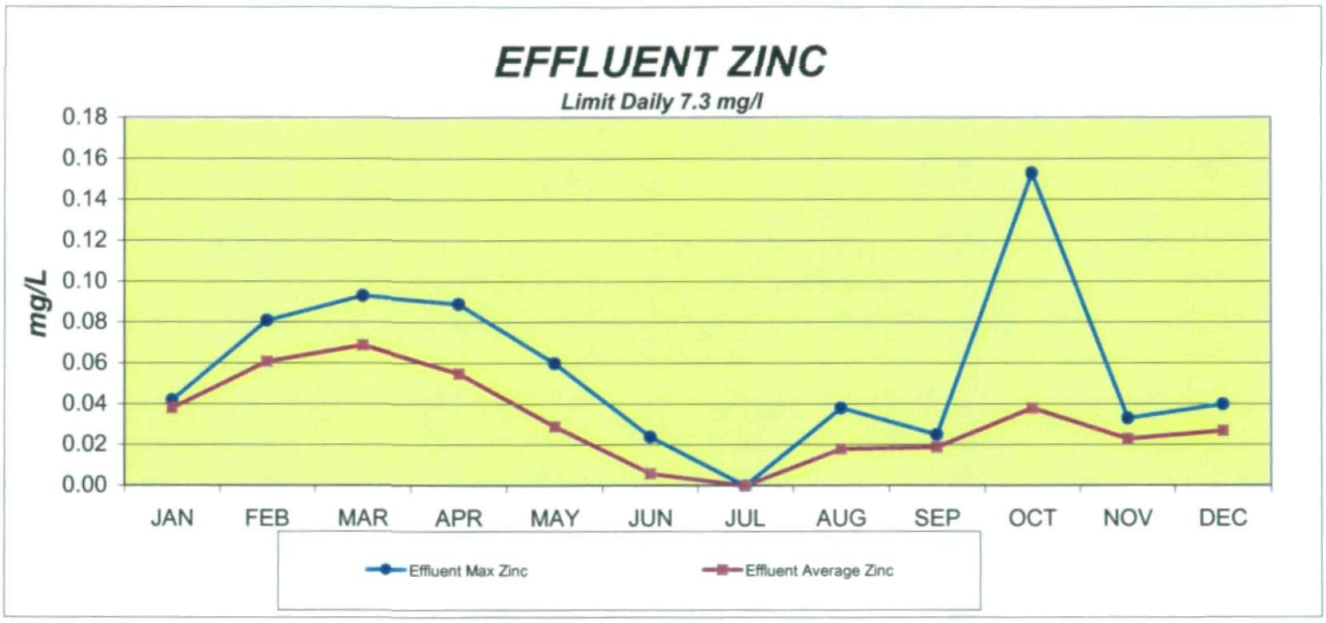

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Max	0.04	0.08	0.09	0.09	0.06	0.02	0.00	0.04	0.03	0.15	0.03	0.04
Average	0.04	0.06	0.07	0.06	0.03	0.01	0.00	0.02	0.02	0.04	0.02	0.03

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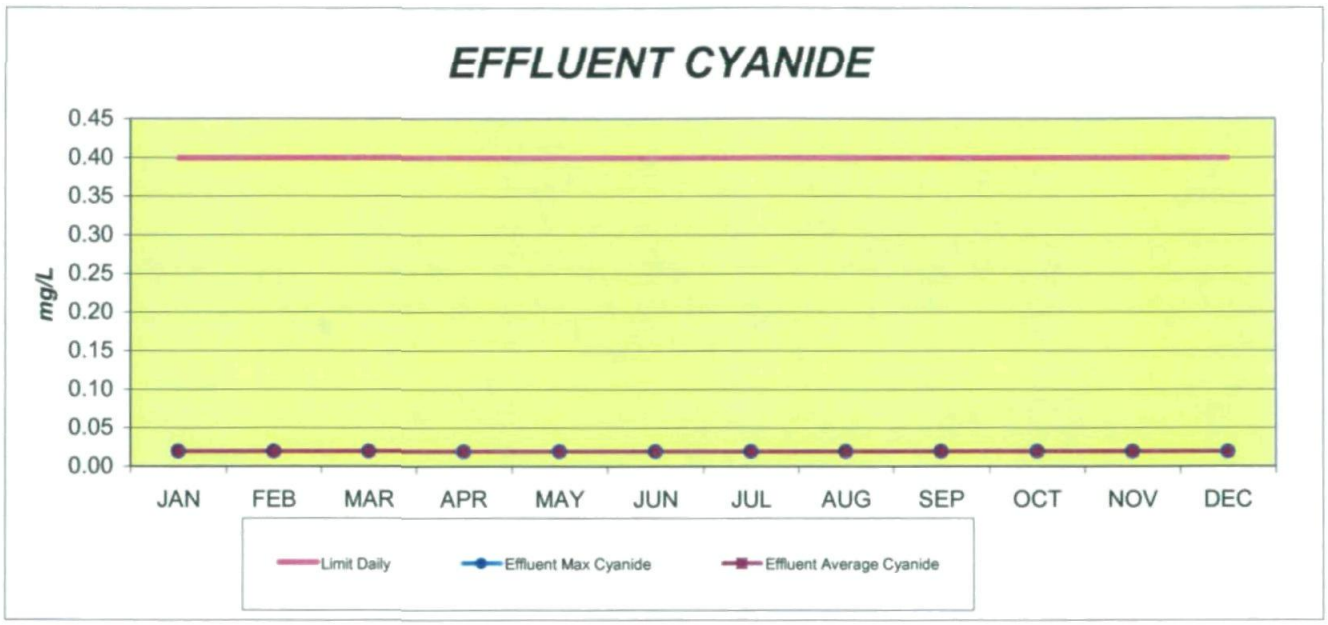

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit Daily	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Max	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Average	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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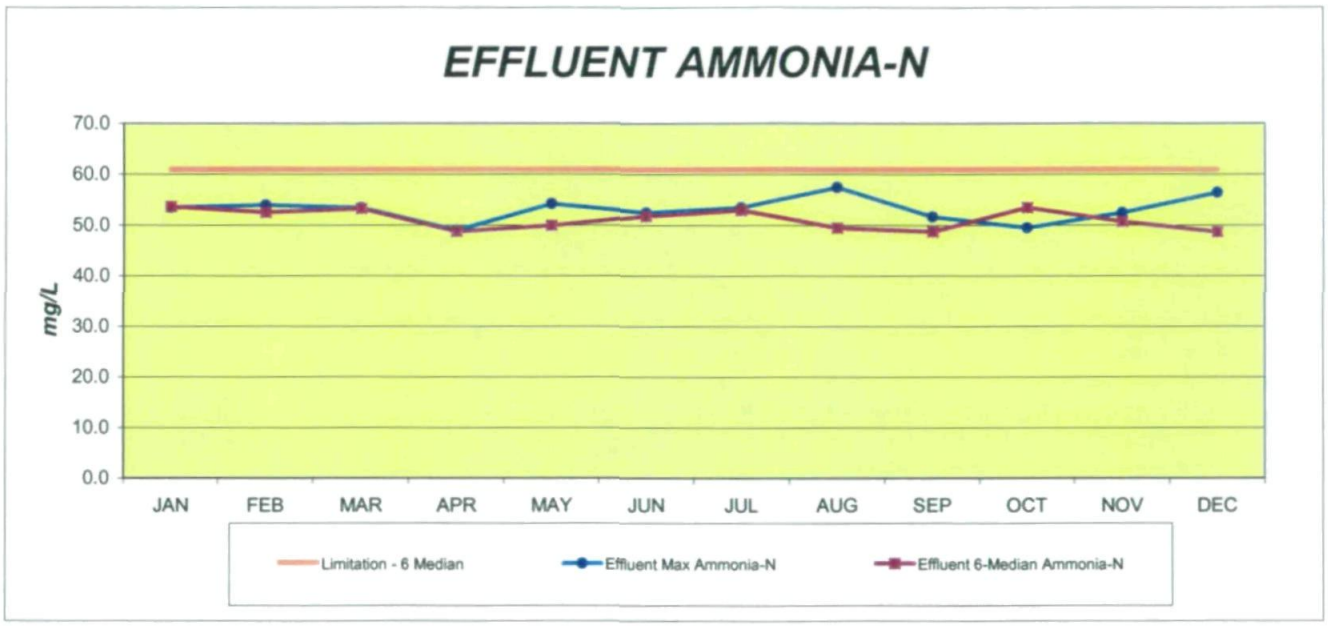

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 6 Mth	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
Max	53.5	54.0	53.5	49.0	54.3	52.5	53.5	57.5	51.7	49.5	52.5	56.5
6 Mth Median	53.7	52.6	53.3	48.8	50.0	51.8	53.0	49.5	48.8	53.5	50.8	48.7

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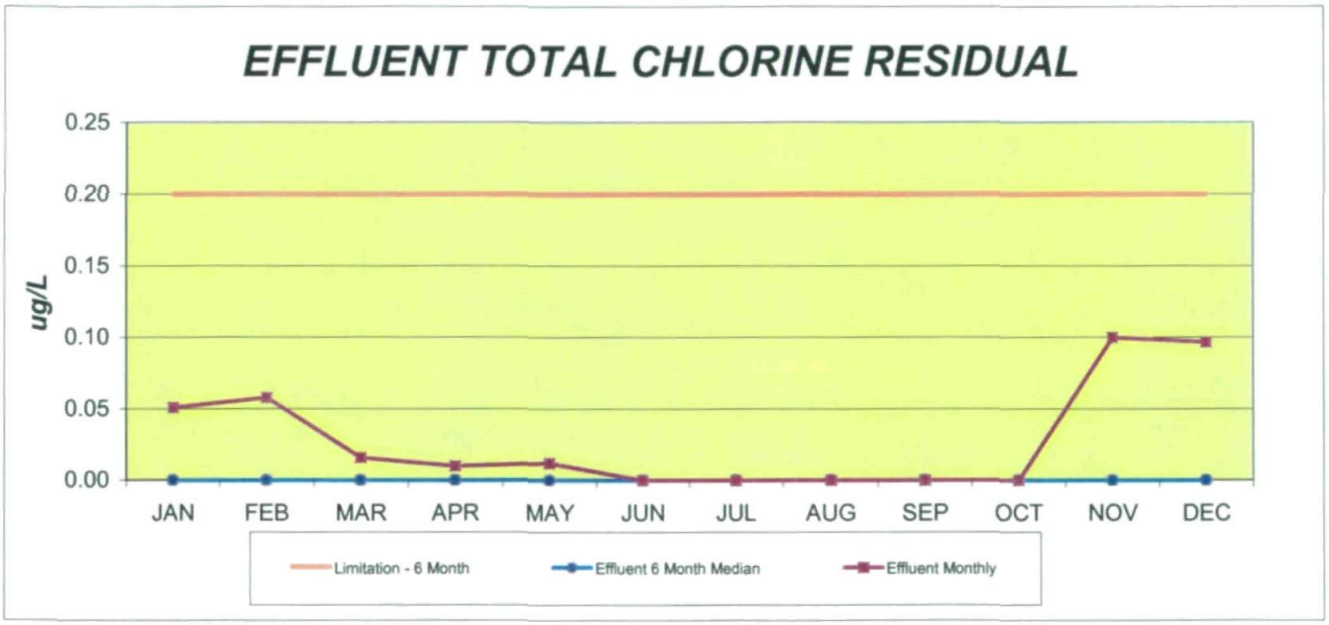

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 6 Mth	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
6 Mth Median	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mth Average	0.05	0.06	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.10

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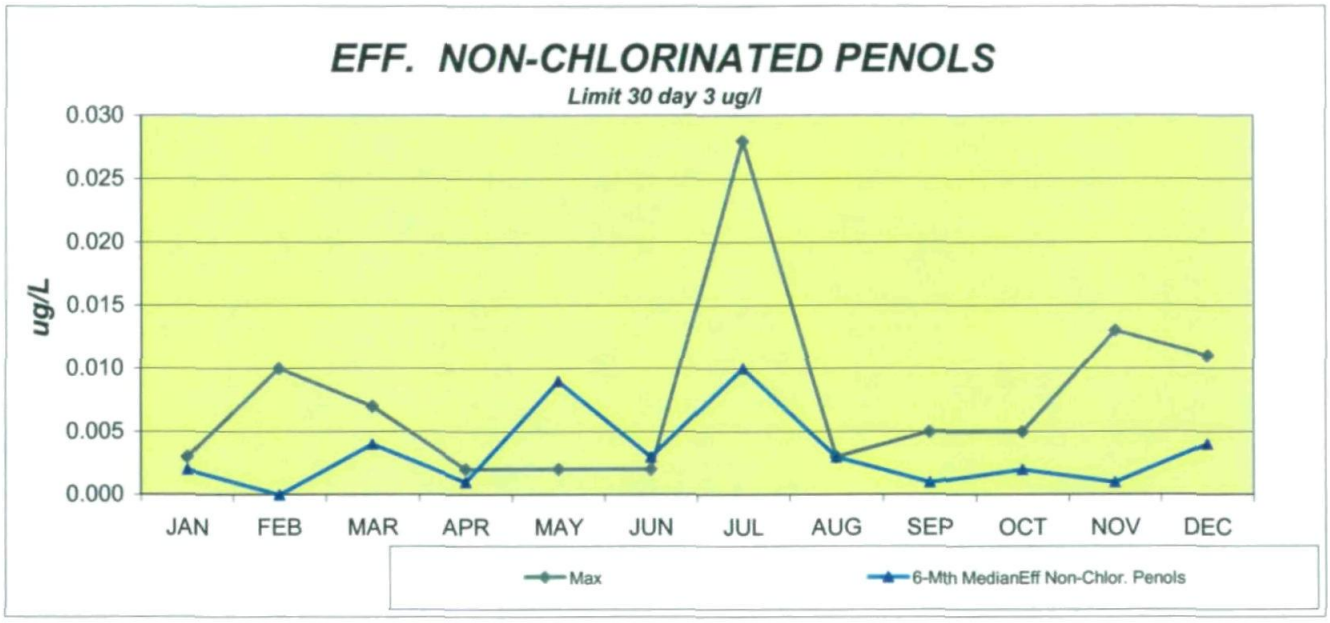

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	3	3	3	3	3	3	3	3	3	3	3	3
Max	0.003	0.010	0.007	0.002	0.002	0.002	0.028	0.003	0.005	0.005	0.013	0.011
6- Mth Median	0.002	0.000	0.004	0.001	0.009	0.003	0.010	0.003	0.001	0.002	0.001	0.004

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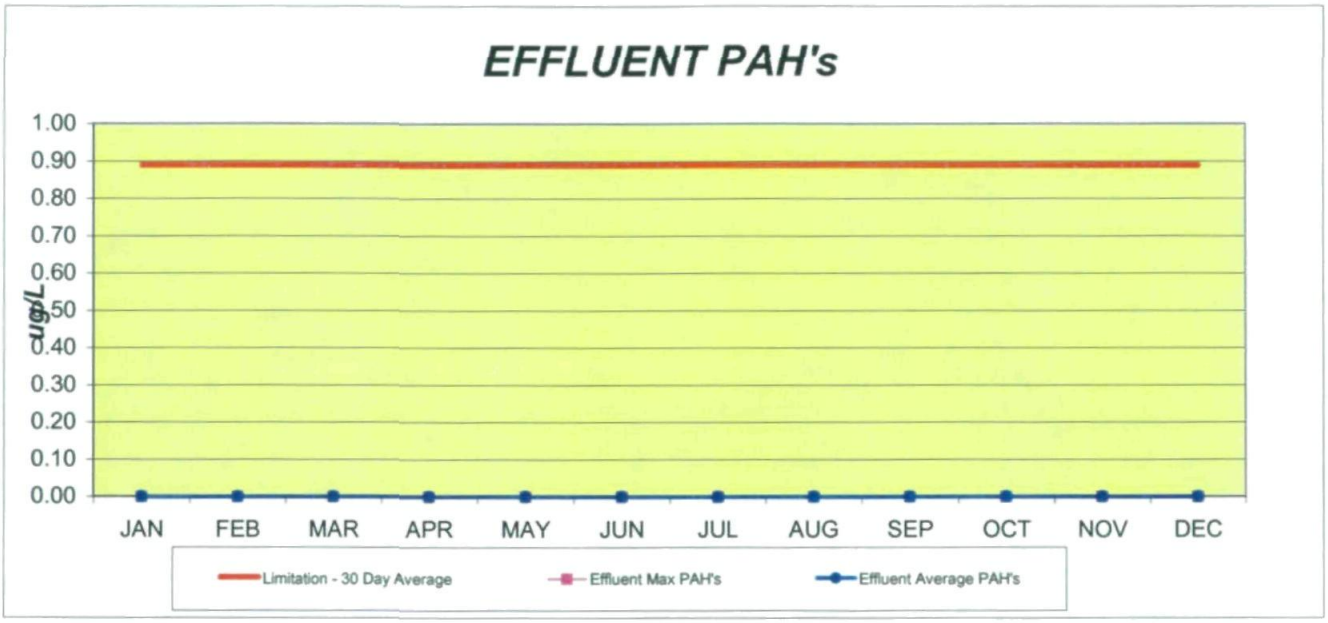

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit 30 Day	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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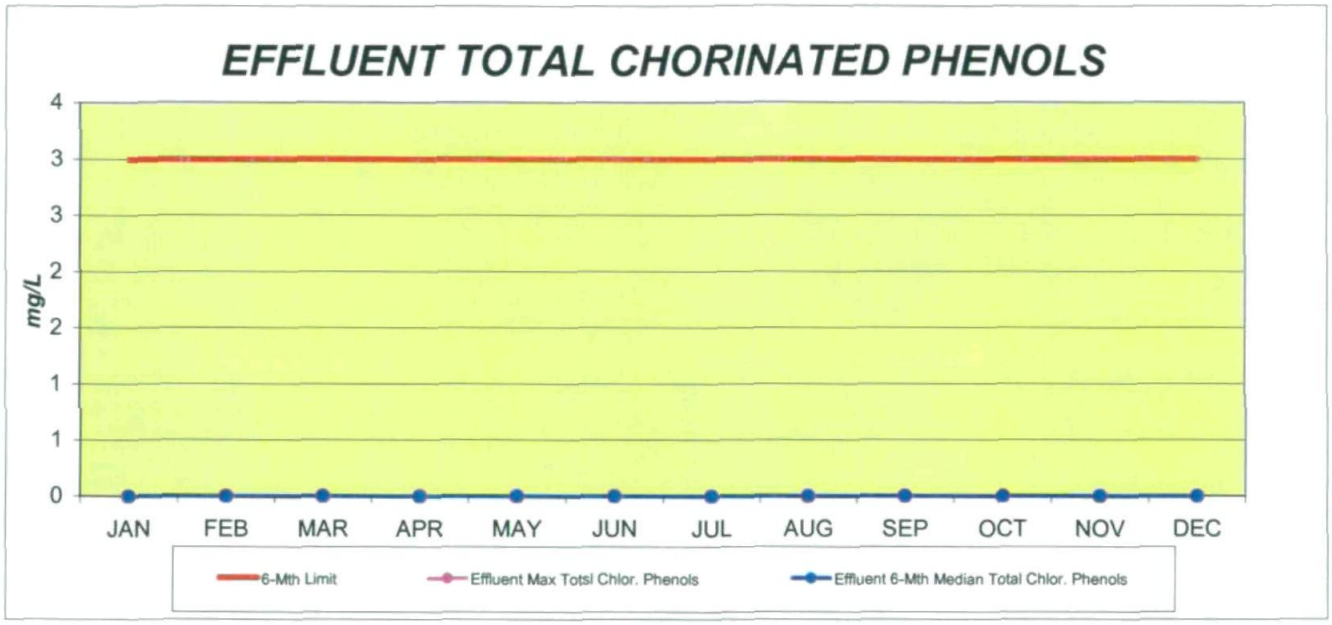

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
6-Mth Limit	3	3	3	3	3	3	3	3	3	3	3	3
Max	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6-Mth Median	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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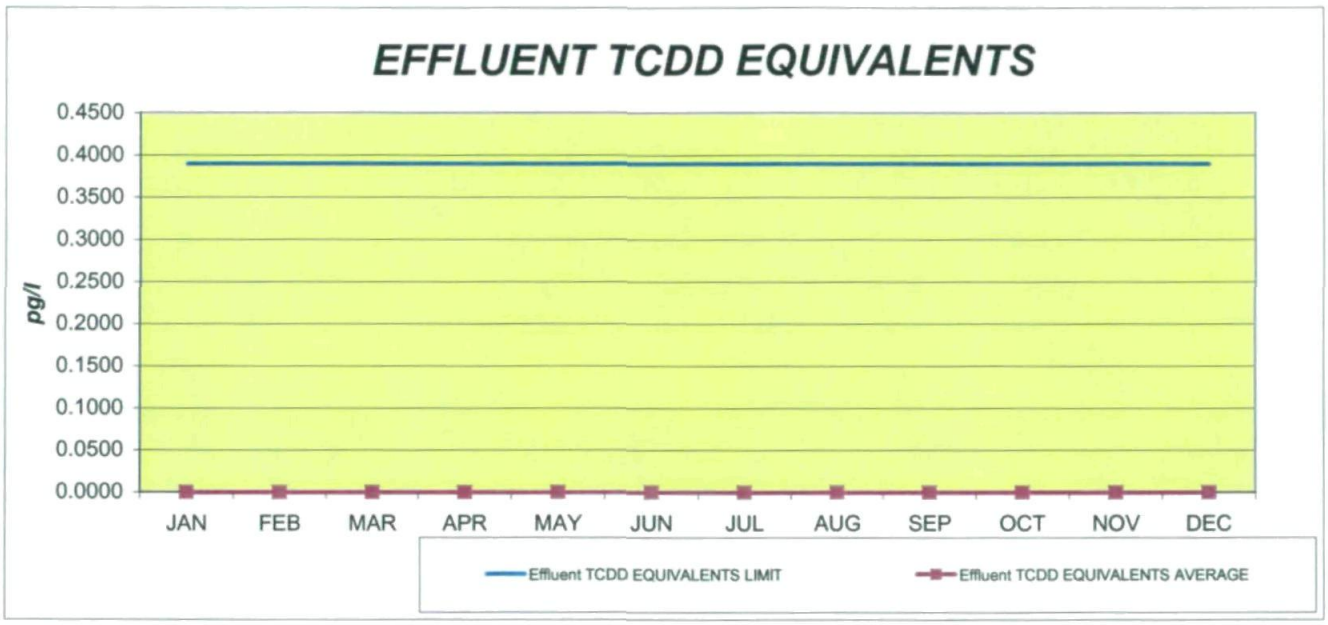

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Limit	0.3900	0.3900	0.3900	0.3900	0.3900	0.3900	0.3900	0.3900	0.3900	0.3900	0.3900	0.3900
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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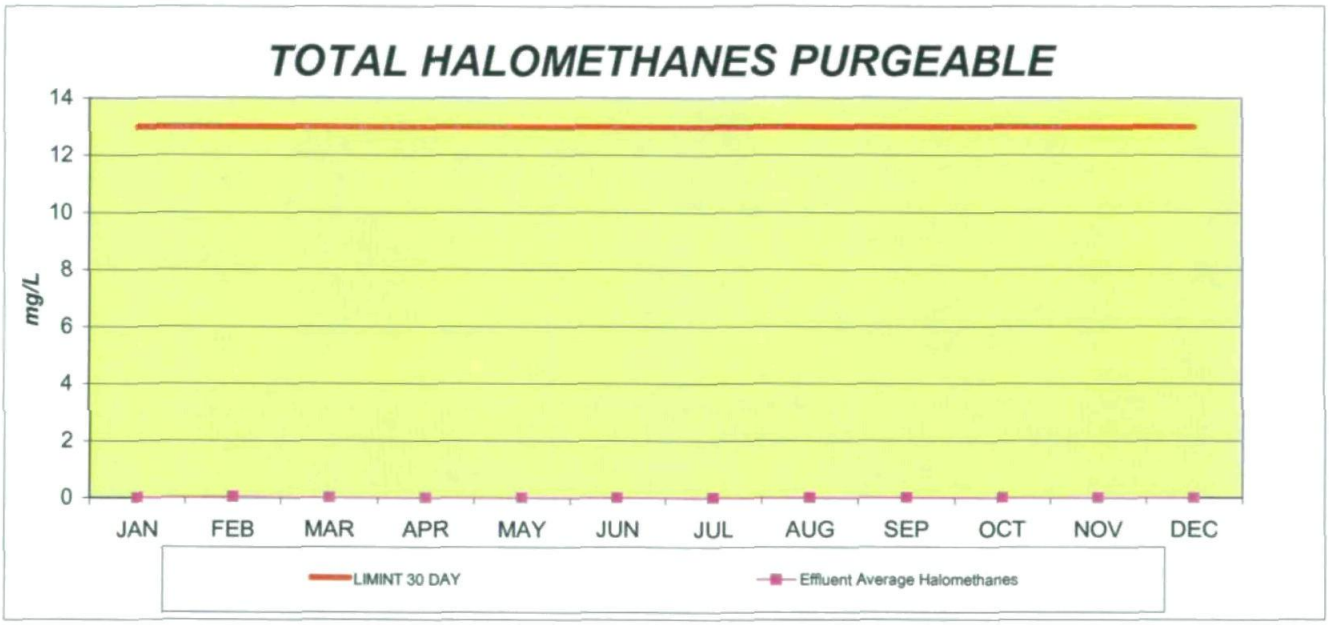

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
LIMINT 30 DAY	13	13	13	13	13	13	13	13	13	13	13	13
Effluent Average	0.0000	0.0363	0.0035	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000