NPDES Data for the South Bay International WWTP

MAY 1999 NPDES REPORT ORDER # 96-50

NPDES - REGIONAL BOARD

EFFLUENT NPDES	MDL	Units	Type	Limitations			1-May	2-May	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	12-May	13-May	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31-May	MIN	MAX	30-day Average	Percent Removals
				Limitations																																					
				Daily average flow																																					
EFFLUENT FLOW (MGD)	0.1	mgd			25 mgd		24.73	22.83	22.63	23.97	24.45	24.34	23.74	23.87	22.61	23.25	24.00	26.56	23.79	24.29	24.49	24.09	24.49	24.50	24.10	28.33	24.34	23.54	22.91	24.49	24.05	24.39	24.56	24.61	24.21	23.18	23.88	22.61	28.33	24.19	
weekly (7 day) average		mgd			25 mgd			17.61								23.75								24.60								24.58						17.61	24.60	22.63	
monthly (30 day) average		mgd			25 mgd			21.92								22.35								22.71								22.89						21.92	22.89	22.47	
GRAB SAMPLES / OIL & GREASE				Limitations																																					
				30-day	7-day	Max																																			
Settleable Solids	0.1	ml/L	Grab	1.0	---	3.0	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	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	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	82.2
weekly (7 day) average		ml/L		---	1.5	---	0.10							0.10										0.10								0.10						0.10	0.10	0.10	82.2
Oil/grease	1.0	mg/L	Grab	---	---	95	19.30	16.70	22.10	14.60	17.60	17.00	18.20	18.30	19.20	17.30	16.40	17.10	16.20	14.50	19.20	15.90	18.50	20.80	20.80	17.40	16.90	16.50	18.80	15.60	18.30	18.80	23.90	16.50	17.10	15.70	16.50	14.50	23.90	17.86	50.9
daily mass emission		mg/L		---	---	19800	3981	3180	4171	2919	3589	3451	3603	3643	3620	3355	3283	3788	3214	2937	3922	3194	3779	4250	4181	4111	3431	3239	3592	3186	3671	3824	4895	3387	3453	3035	3286	2919	4895	3602	
weekly (7 day) average		mg/L		---	65	---		17.63								17.46								17.46								17.47						17.46	17.63	17.50	
mass emission (7 day) average		lbs/d		---	13500	---		2589								3457								3582								3581						2589	3582	3302	
monthly (30 day) average		mg/L		50	---	---		18.14								18.03								17.77								17.76						17.76	18.14	17.92	
mass emission (30 day) average		lbs/d		10400	---	---		3317								3360								3366								3390						3317	3390	3358	
pH	0.1	pH	Grab	Within Limits of 6-9			6.7	6.8	7.1	7.0	7.0	6.9	6.8	7.0	7.0	6.9	6.9	6.7	7.2	7.1	6.9	7.0	6.8	6.9	7.1	7.0	6.9	6.8	7.0	6.8	7.1	7.0	7.1	7.1	7.0	6.8	7.0	6.7	7.2	7.0	
Temperature	0.1	C	Grab	Celsius			4.0	9.0	4.0	4.0	17.8	15.0	16.0	15.0	15.0	4.0	4.0	15.0	15.0	14.0	15.0	4.0	4.0	4.0	15.0	16.0	15.0	14.0	4.0	4.0	4.0	16.0	15.0	15.0	4.0	4.0	15.0	4.0	17.8	10.6	
Coliform - Total	1.1	mpn/100ml									90000000																											90,000,000	90,000,000	90,000,000	
Coliform - Fecal	1.1	mpn/100ml									10000000																											1,000,000	1,000,000	1,000,000	
COMPOSITE ANALYSES				Limitations																																					
				30-day	7-day	Max																																			
Total Suspended Solids	1.0	mg/L	Comp	---	---	150	57	77	88	75	47	48	81	67	76	85	92	83	89	84	80	71	76	92	82	61	62	70	85	52	84	74	81	91	92	61	67	47.0	92.0	76.6	76.0
daily mass emission		lbs/d		---	---	31,300	11756	14661	16609	14993	9584	9744	16037	13338	14331	16482	18415	18385	17658	17017	16340	14265	15523	18798	16482	14413	12586	13743	16241	10621	16848	15053	16591	18678	18576	11793	13344	9584	18798	15429	
weekly (7 day) average	1.0	mg/L		---	120	---		68								68								82								70						67.8	82.1	72.0	
mass emission (7 day) average		lbs/d		---	25,000	---		9960								13552								16854								14290						9960	16854	13664	
monthly (30 day) average	1.0	mg/L		100	---	---		72								73								74								74						71.9	74.5	73.2	
mass emission (30 day) average		lbs/d		20,800	---	---		13140								13559								13925								14222						13140	14222	13712	
Volatile Suspended Solids	1.0	mg/L	Comp	---	---	---	29	45	49	44	24	26	45	36	41	53	48	43	56	53	49	40	47	53	50	39	39	44	56	32	49	49	48	57	55	39	38	24.0	57.0	45.4	77.3
BOD	0.1	mg/L	Comp	---	---	---	142	144	132	140	136	137	141	152	156	141	140	134	132	153	146	140	152	162	134	143	136	140	152	129	137	151	139	127	155	134	140	127	162	142	59.0
Soluble BOD	0.1	mg/L	Comp	---	---	---	96	101	98	104	104	100	100	102	108	103	101.0	97	105	104	107	109	108	110	102	104	102	108	108	101	100	107	103	99	109	103	108	97.0	110.0	103.7	
Carbonaceous BOD (CBOD)	0.1	mg/L	Comp	---		250	110	113	112	116	112	114	117	120	124	117	113.0	113	114	119	119	118	123	126	112	112	116	119	120	109	114	120	114	110	120	114	117	109.0	126.0	116.3	59.9
daily mass emission		lbs/d		---	---	52,100	22687	21515	21138	23190	22838	23141	23165	23889	23382	22687	22618	25031	22619	24107	24305	23707	25122	25746	22511	26462	23547	23363	22928	22263	22866	24410	23351	22577	24229	22039	23302	21138	26462	23454	
weekly (7 day) average		mg/L		---	230	---		115								117								119								116						115.0	118.9	116.7	
mass emission (7 day) average		lbs/d		---	47,900	---		16886								23200								24387								23720						16886	24387	22048	
monthly (30 day) average		mg/L		210	---	---		101								101								102								103						100.8	103.3	101.9	
mass emission (30 day) average		lbs/d		43,800	---	---		18424								18880								19379								19726						18424	19726	19102	
Floatables	1.0	mg/L	Comp	---	---	---	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	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	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	83.7
Total Dissolved Solids	1.0	mg/L	Comp	---	---	---	884	862	996	873	889	903	855	882	864	892	837	852	896	910	906	889	914	908	928	882	912	921	914	910	926	919	1033	952	946	902	926	837	1033	906	
Turbidity	0.010	NTU	Comp	---	---	225	53.9	72.00	60.50	62.7	72.4	51.9	79.2	70.9	78.9	80.6	89.7	88.9	67.0	58.2	75.4	73.5	79.4	85.1	76.9	64.2	64.0	68.6	88.5	49.9	89.0	71.2	63.5	62.7	87.3	65.8	72.4	49.9	89.7	72.6	54.9
weekly (7 day) average		NTU		---	100	---		66.42								70.94						76.19		75.36								70.77						66.42	76.19	71.93	
monthly (30 day) average		NTU		75	---	---		70.58								71.24						71.21		71.44								72.32						70.58	72.32	71.36	
C.O.D. Chemical Oxygen Demand	0.1	mg/L		---	---	---		407								425								436								388						388	436	414	
Total Solids	1.0	mg/L		---	---	---		1187								1230								1310								1287						1187	1310	1254	
Volatile Solids	1.0	mg/L		---	---	---		615								660								684								728						615	728	672	
TOXICITY				Limitations																																					
				30-day	7-day	Max																																			
Acute Toxicity (Water Flea)		TU'a		---	---	2.5		**6.30**								**5.9**								**5.60**								**5.60**						**5.6**	**6.3**	**5.9**	
weekly (7 day) average		TU'a		---	2.0	---		**6.30**								**5.90**								**5.60**								**5.60**						**5.6**	**6.3**	**5.9**	
monthly (30 day) average		TU'a		1.5	---	---		**5.18**								**5.25**								**5.25**								**5.85**						**5.2**	**5.9**	**5.4**	
CHRONIC TOXICITY				Limitations																																					
				6-mnth	Daily	Instant																																			
		TU'c		----	100	----																																			
GIANT KELP																																									
germination		TU'c		---	100	---																																			
germ Tube Length		TU'c		---	100	---																																			
RED ABALONE																																									
development		TU'c		---	100	---		**100**								**100**								**200**								**200**						**100.0**	**200.0**	**150.0**	
TOPSMELT																																									
survival		TU'c		---	100	---																																			
growth		TU'c		---	100	---																																			
METALS AND CYANIDE				Limitations																																					
				6-Mnth	Daily	30-day																																			
Antimony	0.036	mg/L	Comp	---	---	120		0.000								0.000								0.000								0.000						0.000	0.000	0.000	
		lbs/d				25,000		0.00								0.00								0.00								0.00						0.00	0.00	0.00	
Beryllium	1.0	ug/L	Comp	---	---	3.3		0.00								0.00								0.00								0.00						0.00	0.00	0.00	
		lbs/d		---	---	0.690		0.00								0.000								0.000								0.000						0.000	0.000	0.000	
Thallium	0.02	mg/L	Comp	---	---	1.4		0.0								0.0								0.0								0.0						0.0	0.0	0.0	
		lbs/d		---	---	290		0.00								0.0								0.0								0.0						0.0	0.0	0.0	
				Limitations																																					
				6-Mnth	Daily	Instant																																			
Arsenic	0.005	mg/L	Comp	0.51	2.9	7.8		0.000								0.000								0.005								0.000						0.000	0.005	0.001	
		lbs/d		110	600	1,600		0.00								0.00								1.02								0.00						0.00	1.02	0.26	
Cadmium	0.02	mg/L	Comp	0.10	0.40	1.0		0.000								0.000								0.000								0.000						0.000	0.000	0.000	
		lbs/d		21	83	210		0.00								0.000								0.000								0.000						0.000	0.000	0.00	

MAY 1999 NPDES REPORT ORDER # 96-50

EFFLUENT NPDES	MDL	Units	Type	Limitations			1-May	2-May	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	12-May	13-May	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31-May	MIN	MAX	30-day Average
Chromium (total) Hex/III	0.018	mg/L	Comp	0.20	0.81	2.0		0.000								0.000								0.000								0.000						0.000	0.000	0.000
		lbs/d		42	170	420		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Copper	0.038	mg/L	Comp	0.10	1.0	2.8		0.000								0.000								0.073								0.047						0.000	0.073	0.030
		lbs/d		21	210	580		0.00								0.00								14.92								9.56						0.00	14.92	6.12
Iron	0.034	mg/L	Comp	---	---	---		1.680								1.680								2.830								1.100						1.100	2.830	1.823
Lead	0.021	mg/L	Comp	0.20	0.81	2.0		0.000								0.000								0.000								0.000						0.000	0.000	0.000
		lbs/d		42	170	420		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Mercury	1.0	ug/L	Comp	4.0	16	40		0.000								0.000								0.000								0.000						0.000	0.000	0.000
		lbs/d		0.83	3.3	8.3		0.00								0.000								0.000								0.000						0.000	0.000	0.000
Nickel	0.021	mg/L	Comp	0.51	2.0	5.1		0.042								0.042								0.113								0.048						0.042	0.113	0.061
		lbs/d		100	420	1,000		8.00								8.14								23.09								9.76						8.00	23.09	12.25
Selenium	0.005	mg/L	Comp	1.5	6.1	15		0.00								0.0000								0.0000								0.0000						0.0000	0.0000	0.0000
		lbs/d		310	1,300	3,100		0.00								0.000								0.000								0.000						0.000	0.000	0.000
Silver	0.015	mg/L	Comp	0.055	0.27	0.69		0.000								0.000								0.000								0.000						0.000	0.000	0.000
		lbs/d		11	56	140		0.00								0.000								0.000								0.000						0.000	0.000	0.000
Zinc	0.025	mg/L	Comp	1.2	7.3	19		0.032								0.032								0.086								0.050						0.032	0.086	0.050
		lbs/d		250	1,500	4,000		6.09								6.205								17.572								10.171						6.093	17.572	10.010
Cyanide	0.020	mg/L	Comp	0.10	0.40	1.0		0.020								0.020								0.000								0.020						0.000	0.020	0.015
		lbs/d		21	83	210		3.81								3.88								0.00								4.07						0.00	4.07	2.94
Total chlorine residual	0.01	mg/L	Comp	0.20	0.81	6.10		na								n/a								n/a								n/a						n/a	n/a	n/a
		lbs/d		42	170	1,300		na								n/a								n/a								n/a						n/a	n/a	n/a
Ammonia-N	0.01	mg/L	Comp	61	240	610		79.8								71.6								82.0								72.0						71.6	82.0	76.4
		lbs/d		13,000	50,000	130,000		15194.1								13884								16755								14646						13884	16755	15120
RADIOACTIVITY				Limitations																																				
				See Cal. code of Reg. Title 17,																																				
Alpha Radiation	0.1	pc/L	Comp	Division 1,Chapter 5, Subchapter 4,				7.3+/-1.3																														7.3+/-1.3	7.3+/-1.3	7.3+/-1.3
Beta Radiation	0.1	pc/L	Comp	Group 3, Article 3, Section 32069				13+/-2.5																														13+/-2.5	13+/-2.5	13+/-2.5
CHLORINATED PESTICIDES				Limitations																																				
				6-Mnth	Daily	Instant																																		
Aldrin	2	ng/L	Comp	---	---	2.2		0.000								0.000								0.000								0.000						0.000	0.000	0.000
		lbs/d		---	---	0.00046		0.000000								0.0000								0.0000								0.0000						0.000000	0.000000	0.000000
Dieldrin	1	ng/L		---	---	4.0		0								0.000								0.000								0.000						0.00	0.00	0.000
		lbs/d		---	---	0.00083		0								0.0000								0.0000								0.0000						0.00	0.00	0.00
HEXACHLOROCYCLOHEXANE'S				Limitations																																				
				6-Mnth	Daily	Instant																																		
alpha-BHC	0.010	ug/L	Comp	---	---	---		0.000								0.000								0.000								0.000						0.000	0.000	0.000
beta-BHC	0.020	ug/L	Comp	---	---	---		0.000								0.000								0.000								0.000						0.000	0.000	0.000
gamma-BHC (Lindane)	0.010	ug/L	Comp	---	---	---		0.000								0.000								0.000								0.000						0.000	0.000	0.000
delta-BHC	0.010	ug/L	Comp	---	---	---		0.000								0.000								0.000								0.000						0.000	0.000	0.000
TOTAL HCH	0.020	ug/L		0.40	0.81	1.20		0.000								0.000								0.000								0.000						0.000	0.000	0.000
MASS EMISSION LBS/DAY		lbs/d		0.083	0.17	0.25		0.0000								0.0000								0.0000								0.0000						0.0000	0.0000	0.0000
DDT's				Limitations																																				
				Daily	7-day	30-day																																		
p,p'-DDD	2.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
p,p'-DDE	3.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
p,p'-DDT	3.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
o,p-DDD	2.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
o,p-DDE	3.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
o,p-DDT	3.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
TOTAL DDT's	3.0	ng/L		---	---	17		0.00								0.00								0.00								0.00						0.00	0.00	0.00
MASS EMISSION LBS/DAY		lbs/d		---	---	0.0035		0.0000								0.0000								0.0000								0.0000						0.0000	0.0000	0.0000
HEPTACHLOR				Limitations																																				
				Daily	7-day	30-day																																		
Heptachlor	10.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Heptachlor epoxide	10.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
TOTAL HEPTACHLOR	10.0	ng/L		---	---	73		0.00								0.00								0.00								0.00						0.00	0.00	0.00
MASS EMISSION LBS/DAY		lbs/d		---	---	0.015		0.000								0.000								0.000								0.000						0.000	0.000	0.000
CHLORDANE																																								
Alpha (cis) Chlordane	10.0	ng/L	Comp	---	---	---		0.00								0.00																0.00						0.00	0.00	0.00
Gamma (trans) Chlordane	10.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Alpha (cis) Chlordene	10.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Gamma (trans) Chlordene	10.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Oxychlordane	10.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
trans Nonachlor	10.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
cis Nonachlor	10.0	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
TOTAL CHLORDANE	10.0	ng/L		---	---	2.3		0.00								0.00								0.00								0.00						0.00	0.00	0.00
MASS EMISSION LBS/DAY		lbs/d		---	---	0.00048		0.00000								0.00000								0.00000								0.00000						0.00000	0.00000	0.00000
ENDOSULFAN				Limitations																																				
				6-Mnth	Daily	Instant																																		
Alpha Endosulfan	0.02	ug/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Beta Endosulfan	0.02	ug/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Endosulfan Sulfate	0.02	ug/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
TOTAL ENDOSULFAN	0.02	ug/L		0.91	1.8	2.7		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		0.000								0.000								0.000								0.000						0.000	0.000	0.000
OTHER MISC. CHLORINATED PESTICIDES																																								
Endrin	0.006	ug/L	Comp	0.20	0.40	0.61		0.00								0.00								0.00								0.00						0.00	0.00	0.00
		lbs/d		0.042	0.083	0.13		0.000								0.000								0.000								0.000						0.000	0.000	0.000
				Limitations																																				
				Daily	7-day	30-day																																		
Endrin aldehyde	1	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Mirex	10	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Methoxychlor	50	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
Toxaphene	50	ng/L	Comp	---	---	21		0.00								0.00								0.00								0.00						0.00	0.00	0.00
		lbs/d		---	---	0.0044		0.0000								0.0000								0.0000								0.0000						0.0000	0.0000	0.0000

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EFFLUENT NPDES	MDL	Units	Type	Limitations			1-May	2-May	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	12-May	13-May	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31-May	MIN	MAX	30-day Average
PCB's																																								
PCB 1016	500	ng/L	Comp	``	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
PCB 1221	500	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
PCB 1232	500	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
PCB 1242	500	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
PCB 1254	500	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
PCB 1260	500	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
PCB 1262	500	ng/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
TOTAL PCB's	500	ng/L		---	---	1.9		0.00								0.00								0.00								0.00						0.00	0.00	0.00
MASS EMISSION LBS/DAY		lbs/d		---	---	0.0004		0.0000								0.0000								0.0000								0.0000						0.0000	0.0000	0.0000
EPA METHOD 605																																								
benzidine	10000	ng/L	Comp	---	---	7.0		0.00																														0.00	0.00	0.00
		lbs/L		---	---	0.0015		0.0000																														0.0000	0.0000	0.0000
3,3-dichlorobenzidine	10	ug/L	Comp	---	---	0.82		0.00																														0.00	0.00	0.00
		lbs/d		---	---	0.17		0.00																														0.00	0.00	0.00
TRIBUTYL TIN ANALYSIS																																								
tributyl tin	5.0	ug/L	Comp	---	---	0.14		0.00																														0.00	0.00	0.00
		lbs/L		---	---	0.029		0.000																														0.000	0.000	0.000
dibutyl tin	5.0	ug/L	Comp	---	---	---		0.00																														0.00	0.00	0.00
monobutyl tin	5.0	ug/L	Comp	---	---	---		0.00																														0.00	0.00	0.00
BASE/NEUTRAL COMPOUNDS (EPA 625)				Limitations																																				
				Daily	7-day	30-day																																		
bis(2-chloroethyl) ether	1.0	ug/L	Comp	---	---	4.5		0.00																														0.00	0.00	0.00
		lbs/d		---	---	0.94		0.00																														0.00	0.00	0.00
DICHLOROBENZENE																																								
metadichlorobenzene	0.000001	g/L	Comp	---	---	---		0.000000																														0.000000	0.000000	0.000000
orthodichlorobenzene	0.000001	g/L	Comp	---	---	---		0.000000																														0.000000	0.000000	0.000000
TOTAL DICHLOROBENZENE	0.000001	g/L		---	---	0.52		0.000000																														0.000000	0.000000	0.000000
MASS EMISSION LBS/DAY		lbs/d		---		110,000		0.000000																														0.000000	0.000000	0.000000
paradichlorobenzene (1,4-dichlorobenzene)	0.001	mg/L	Comp	---	---	1.8		0.00000																														0.0000	0.0000	0.0000
		lbs/d		---	---	380		0.000																														0.000	0.000	0.000
bis-(2-chloroisopropyl) ether	0.001	mg/L	Grab	---	---	120		0.000																														0.000	0.000	0.000
		lbs/d		---	---	25,000		0.0																														0.00	0.00	0.00
N-nitrosodi-n-propylamine	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
nitrobenzene	0.001	mg/L	Comp	---	---	0.49		0.000																														0.000	0.000	0.000
		lbs/d		---	---	100		0.0																														0.00	0.00	0.00
hexachloroethane	1.0	ug/L	Comp	---	---	250		0.0																														0.00	0.00	0.00
		lbs/d		---	---	52		0.0																														0.00	0.00	0.00
isophorone	0.000001	g/L	Comp	---	---	15		0.000000																														0.000000	0.000000	0.000000
		lbs/d		---	---	3,100,000		0.0																														0.00	0.00	0.00
bis(2-chloroethoxy)methane	0.001	mg/L	Grab	---	---	0.44		0.000																														0.000	0.000	0.000
		lbs/d		---	---	92		0.0																														0.00	0.00	0.00
1,2,4-trichlorobenzene	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
naphthalene	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
hexachlorobutadiene	0.001	mg/L		---	---	1.4		0.000																														0.000	0.000	0.000
		lbs/d		---	---	290		0.0																														0.00	0.00	0.00
hexachlorocyclopentadiene	0.005	mg/L	Comp	---	---	5.9		0.000																														0.000	0.000	0.000
		lbs/d		---	---	1,200		0.0																														0.00	0.00	0.00
acenaphthylene pah	1.0	ug/L	Comp	---	---	---		0.0																														0.00	0.00	0.00
dimethyl phthalate	0.000001	g/L	Comp	---	---	83		0.000000																														0.000000	0.000000	0.000000
		lbs/d		---	---	17,000,000		0.000000																														0.0	0.0	0.0
2,6-dinitrotoluene	1.0	ug/L	Comp	---	---	---		0.00																														0.00	0.00	0.00
acenaphthene	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
2,4-dinitrotoluene	1.0	ug/L	Comp	---	---	260		0.00																														0.00	0.00	0.00
		lbs/d		---	---	54		0.00																														0.00	0.00	0.00
fluorene pah	1.0	ug/L	Comp	---	---	---		0.00																														0.00	0.00	0.00
4-chlorophenyl phenyl ether	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
diethyl phthalate	0.000001	g/L	Comp	---	---	3.3		0.000011																														0.000011	0.000011	0.000011
		lbs/d		---	---	690,000		0.002094																														0.00	0.00	0.00
N-nitrosodiphenylamine	1.0	ug/L	Comp	---	---	250		0.00																														0.00	0.00	0.00
		lbs/d		---	---	52		0.0																														0.00	0.00	0.00
4-bromophenyl phenyl ether	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
hexachlorobenzene	1000	ng/L	Comp	---	---	21		0.00																														0.00	0.00	0.00
		lbs/d		---	---	0.0044		0.0																														0.00	0.00	0.00
phenanthrene pah	1.0	ug/L	Comp	---	---	---		0.00																														0.00	0.00	0.00
anthracene pah	1.0	ug/L	Comp	---	---	---		0.00																														0.00	0.00	0.00
di-n-butyl phthalate	0.001	mg/L	Comp	---	---	350		0.000																														0.000	0.000	0.000
		lbs/d		---	---	73,000		0.0																														0.00	0.00	0.00
N-nitrosodimethylamine	0.001	mg/L	Comp	---	---	0.74		0.000																														0.000	0.000	0.000
		lbs/d		---	---	150		0.0																														0.00	0.00	0.00
fluoranthene	0.001	mg/L	Comp	---	---	1.5		0.000																														0.000	0.000	0.000
				---	---	310.0		0.0																														0.00	0.00	0.00
pyrene pah	1.0	ug/L	Comp	---	---	---		0.00																														0.00	0.00	0.00
butyl benzyl phthalate	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
chrysene pah	1.0	ug/L	Comp	---	---	---		0.00																														0.00	0.00	0.00
benzo(A)anthracene pah	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
bis-(2-ethylhexyl) phthalate	1.0	ug/L	Comp	---	---	350		11.0																														11.0	11.0	11.0
		lbs/d		---	---	73		2.09																														2.09	2.09	2.09
di-n-octyl phthalate	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
benzo (K) fluoranthene pah	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
3,4-benzo (B) fluoranthene pah	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
benzo (A) pyrene pah	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
indeno (1,2,3-CD) pyrene pah	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
dibenzo (A,H) anthracene pah	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
benzo (G,H,I) perylene pah	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
1,2-diphenylhydrazine	1.0	ug/L		---	---	16		0.00																														0.00	0.00	0.00

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EFFLUENT NPDES	MDL	Units	Type	Limitations			1-May	2-May	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	12-May	13-May	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31-May	MIN	MAX	30-day Average
		lbs/d		---	---	3.3		0.00																														0.00	0.00	0.00
TOTAL PAH'S	1	ug/L		---	---	0.89		0.00																														0.00	0.00	0.00
MASS EMISSION LBS/DAY		lbs/d		---	---	0.19		0.0000																														0.0000	0.0000	0.0000
CHLORINATED PHENOLS				Limitations																																				
				Daily	7-day	30-day																																		
2-chlorophenol	0.001	mg/L	Comp	---	---	---		0.000								0.000								0.000								0.000						0.000	0.000	0.000
2,4-dichlorophenol	0.001	mg/L	Comp	---	---	---		0.000								0.000								0.000								0.000						0.000	0.000	0.000
4-cholor-3-methylphenol	0.001	mg/L	Comp	---	---	---		0.000								0.000								0.000								0.000						0.000	0.000	0.000
2,4,6-trichlorophenol	1.0	ug/L	Comp	---	---	29		0.00								0.00								0.00								0.00						0.00	0.00	0.00
		lbs/d		---	---	6.0		0.000								0.000								0.000								0.000						0.000	0.000	0.000
pentachlorophenol	0.005	mg/L	Comp	---	---	---		0.000								0.000								0.000								0.000						0.000	0.000	0.000
				6-Mnth	Daily	Instant																																		
TOTAL CHLORINATED PHENOLIC COMPOUNDS	5	ug/L		0.10	0.40	1.00		0.000								0.000								0.000								0.000						0.000	0.000	0.000
MASS EMISSION LBS/DAY		lbs/d		21	83	210		0.00								0.00								0.00								0.00						0.00	0.00	0.00
NON-CHLORINATED PHENOLS																																								
phenol	1.0	ug/L	Comp	---	---	---		23.00								5.20								0.00								3.10						0.00	23.00	7.83
2-nitrophenol	1.0	ug/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
2,4-dimethylphenol	1.0	ug/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
2,4-dinitrophenol	5.0	ug/L	Comp	---	---	0.40		0.00								0.00								0.00								0.00						0.00	0.00	0.00
		lbs/d				83		0.00								0.00								0.00								0.00						0.00	0.00	0.00
4-nitrophenol	5.0	ug/L	Comp	---	---	---		0.00								0.00								0.00								0.00						0.00	0.00	0.00
2-methyl-4,6-dinitrophenol	0.005	mg/L	Comp	---	---	22		0.000								0.000								0.000								0.000						0.000	0.000	0.000
		lbs/d		---	---	4,600		0.00								0.00								0.00								0.00						0.00	0.00	0.00
				6-Mnth	Daily	Instant																																		
TOTAL NON-CHLORINATED PHENOLIC COMP		mg/L		3.0	12	30		0.0230								0.0052								0.0000								0.0031						0.0000	0.0230	0.0078
MASS EMISSION LBS/DAY		lbs/d		630	2,500	6,300		4.379								1.008								0.000								0.631						0.000	4.379	1.505
HALOMETHANE PURGEABLE COMPOUNDS (EPA 624) (VOC's)				Limitations																																				
				---	---	30-day																																		
chloromethane (hal)	0.005	mg/L		---	---	---		0.000																														0.000	0.000	0.000
bromomethane (hal)	0.005	mg/L		---	---	---		0.000																														0.000	0.000	0.000
vinyl chloride (hal)	0.005	mg/L	Grab	---	---	3.6		0.000																														0.000	0.000	0.000
		lbs/d		---	---	750		0.00																														0.00	0.00	0.00
chloroethene	5.0	ug/L		---	---	---		0.0																														0.0000	0.0000	0.0000
1,1-dichloroethene (1,1-dichloroethlyene)	0.000001	g/L		---	---	72		0.000000																														0.000000	0.000000	0.000000
		lbs/d		---	---	150,000		0.00																														0.00	0.00	0.00
trichlorofluoromethane	5.0	ug/L		---	---	---		0.000																														0.000	0.000	0.000
methlyene chloride (dichloromethane)	0.005	mg/L	Grab	---	---	45		0.000																														0.000	0.000	0.000
				---	---	9,400		0.000																														0.000	0.000	0.000
1,1-dichloroethane	1.0	ug/L		---	---	---		0.00																														0.00	0.00	0.00
trans-1,2-dichloroethene	1.0	ug/L		---	---	---		0.0000																														0.0000	0.0000	0.0000
chloroform	0.0010	mg/L	Grab	---	---	13		0.0043																														0.0043	0.0043	0.0043
		lbs/d		---	---	2,700		0.82																														0.82	0.82	0.82
1,2-dichloroethane	0.0010	mg/L		---	---	13		0.000																														0.000	0.000	0.000
		lbs/d		---	---	2,700		0.00																														0.00	0.00	0.00
1,1,1-trichloroethane	0.000001	g/L	Grab	---	---	54		0.000000																														0.000000	0.000000	0.0000
		lbs/d		---	---	11,000,000		0.00																														0.00	0.00	0.00
carbon tetrachloride	1.0	ug/L	Grab	---	---	0.91		0.000																														0.000	0.000	0.000
		lbs/d		---	---	19		0.00																														0.00	0.00	0.00
DCBM-bromodichloromethane (hal)	0.001	mg/L		---	---			0.000																														0.0000	0.0000	0.0000
1,2-dichloropropane	1.0	ug/L		---	---			0.000																														0.000	0.000	0.000
trans-1,3-dichloropropene	0.001	mg/L		---	---	0.90		0.000																														0.000	0.000	0.000
		lbs/d		---	---	190		0.00																														0.00	0.00	0.00
trichloroethene (trichloroethlyene)	0.001	mg/L		---	---	2.7		0.000																														0.000	0.000	0.000
		lbs/d		---	---	560		0.00																														0.00	0.00	0.00
benzene	0.001	mg/L	Grab	---	---	0.60		0.000																														0.000	0.000	0.000
		lbs/d		---	---	120		0.00																														0.00	0.00	0.00
dibromochloromethane	1.0	ug/L		---	---			4.00																														4.00	4.00	4.00
1,1,2-trichloroethane	0.000001	g/L	Grab	---	---	4.3		0.000000																														0.000000	0.000000	0.000000
		lbs/d		---	---	900,000		0.00																														0.00	0.00	0.00
cis-1,3-dichloropropene	1.0	ug/L		---	---			0.0000																														0.0000	0.0000	0.0000
2-chloroethylvinyl ether	5.0	ug/L		---	---			0.0000																														0.0000	0.0000	0.0000
bromoform (hal)	0.002	mg/L	Comp	---	---			0.000																														0.000	0.000	0.000
1,1,2,2-tetrachloroethane	0.001	mg/L	Grab	---	---	120		0.000																														0.000	0.000	0.000
		lbs/d		---	---	25,000		0.00																														0.00	0.00	0.00
tetrachloroethene (tetrachloroethlyene)	0.001	mg/L		---	---	1.0		0.0000																														0.0000	0.0000	0.0000
		lbs/d		---	---	210		0.00																														0.00	0.00	0.00
toluene	0.000001	g/L	Grab	---	---	8.6		0.000006																														0.000006	0.000006	0.000006
		lbs/d		---	---	1,800,000		0.000																														0.000	0.000	0.000
chlorobenzene	0.001	mg/L	Grab	---	---	58		0.000																														0.000	0.000	0.000
		lbs/d		---	---	12,000		0.00																														0.00	0.00	0.00
ethylbenzene	0.001	mg/L	Grab	---	---	400		0.000																														0.000	0.000	0.000
		lbs/d		---	---	83,000		0.000																														0.000	0.000	0.000
2-butanone (MEK)	20.0	ug/L		---	---	---		0.000																														0.000	0.000	0.000
		lbs/d		---	---	---		0.000																														0.000	0.000	0.000
carbon disulfide	0.001	mg/L		---	---	---		0.000																														0.000	0.000	0.000
		lbs/d		---	---	---		0.00																														0.00	0.00	0.00
TOTAL HALOMETHANE PURGEABLE CMPDS.		ug/L		---	---	13		0.0000																														0.0000	0.0000	0.0000
MASS EMISSION LBS/DAY		lbs/d		---	---	2,700		0.000																														0.000	0.000	0.000
EPA METHOD 624				Limitations																																				
				Daily	7-day	30-day																																		
acrylonitrile	20.0	ug/L	Comp	---	---	10		0.00																														0.00	0.00	0.00
		lbs/L		---	---	2.1		0.00																														0.00	0.00	0.00
acrolein	20.0	ug/L	Comp	---	---	22		0.00																														0.00	0.00	0.00
		lbs/d		---	---	4,600		0.00																														0.00	0.00	0.00
TCDD EQUIVALENTS				Limitations																																				

NPDES Data for the South Bay International WWTP

MAY 1999 NPDES REPORT ORDER # 96-50

NPDES - REGIONAL BOARD

EFFLUENT NPDES	MDL	Units	Type	Limitations			1-May	2-May	3-May	4-May	5-May	6-May	7-May	8-May	9-May	10-May	11-May	12-May	13-May	14-May	15-May	16-May	17-May	18-May	19-May	20-May	21-May	22-May	23-May	24-May	25-May	26-May	27-May	28-May	29-May	30-May	31-May	MIN	MAX	30-day Average
				Daily	7-day	30-day																																		
2,3,7,8-tetra CDD	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,7,8-penta CDD	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,4,7,8-hexa CDD	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,6,7,8-hexa CDD	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,7,8,9-hexa CDD	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,4,6,7,8-hepta CDD	10.0	pg/L						17.000																														17.000	17.000	17.000
octa CDD	20.0	pg/L						150.000																														150.000	150.000	150.000
2,3,7,8-tetra CDF	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,7,8-penta CDF	1.0	pg/L						0.000																														0.000	0.000	0.000
2,3,4,7,8-penta CDF	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,4,7,8-hexa CDF	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,6,7,8-hexa CDF	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,7,8,9-hexa CDF	1.0	pg/L						0.000																														0.000	0.000	0.000
2,3,4,6,7,8-hexa CDF	1.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,4,6,7,8-hepta CDF	10.0	pg/L						0.000																														0.000	0.000	0.000
1,2,3,4,7,8,9-hepta CDF	10.0	pg/L						0.000																														0.000	0.000	0.000
octa CDF	20.0	pg/L						18.00																														18.000	18.000	18.000
TOTAL TCDD		pg/L				0.3900		0.338																														0.338	0.338	0.338
Mass Emission lbs/day		lbs/d				0.000000081		0.000000064																														0.000000064	0.000000064	0.000000064

September 22, 1999
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