

Appendix 1

Table 1
REASONABLE POTENTIAL ANALYSIS, EFFLUENT LIMITATIONS, and PERFORMANCE GOALS
(Discharge Serial Nos. 001 and 002)
JOINT WATER POLLUTION CONTROL PLANT (CA0053813, CI-1758)

Constituent	Unit	Effluent Data Summary (November 2002 to August 2005)							Reporting Limit (RL) in the 2004 Annual Report	Minimum Level	Dilution Ratio (Dm)	Background Seawater Concentration	Ocean Plan Water Quality Objectives	Calculated Effluent Limit	Existing Effluent Limit (Monthly Avg.) based on Dm = 166
		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det								
Marine Aquatic Life Protection															
ARSENIC	UG/L	<1	<1	1	2.1	36	97.2	1.0	1	166	3	8	838		
CADMIUM	UG/L	<0.25	< 1	1	1	38	5.3	1.0	0.2	166		1	167	167	
CHROMIUM (VI)	UG/L	<100	<100			28	0.0	100.0	5	166		2	334	334	
COPPER	UG/L	< 6	< 6	2.3	12	38	89.5	6.0	0.5	166	2	3	169	169	
LEAD	UG/L	<0.25	< 8	0.3	11	38	10.5	8.0	0.5	166		2	334		
MERCURY	UG/L	< 0.5	< 0.5			36	0.0	0.5	0.2	166	0.0005	0.04	6.597	6.6	
NICKEL	UG/L	< 25	< 25	7	37	38	84.2	25.0	1	166		5	835	835	
SELENIUM	UG/L			4.7	11.9	37	100.0	1.0	1	166		15	2505		
SILVER	UG/L	<0.25	< 5	5	12	38	7.9	5.0	0.2	166	0.16	0.7	90.34	91	
ZINC	UG/L	< 25	< 25	13	32	38	18.4	25.0	1	166	8	20	2012	2012	
Total Cyanide	UG/L	< 4	< 4	4	8	36	86.1	4.0	5	166		1	167	167	
Chlorine Residual (Daily) (Outfall 001)	UG/L	< 100	< 100	100	4500	974	94.6	100.0		166		8	1336	10020	
Chlorine Residual (Daily) (Outfall 002)	UG/L	< 100	< 100	100	3100	974	91.6	100.0		166		8	1336	10020	
Chlorine Residual (Monthly) (Outfall 001)	UG/L			100	300	32	100.0			166		2	334	334	
Chlorine Residual (Monthly) (Outfall 002)	UG/L			100	240	32	100.0			166		2	334	334	
Ammonia	MG/L			28.4	35.6	36	100.0	0.3	--	166		0.6	100.2		
Acute Toxicity	Tua			0	1	30	100.0			16.6		0.3	5.28	1.5	
Chronic Toxicity (survival)	Tuc			42	42	30	100.0			166		1	167	167	
Phenols (unchlorinated)															
2,4-DIMETHYLPHENOL	UG/L	< 10	< 50			16	0.0	50.0	10	166		30	5010		
2,4-DINITROPHENOL	UG/L	< 2	< 10			16	0.0		2						
2,4-DINITROPHENOL	UG/L	< 5	< 25			16	0.0		5						
2-METHYL-4,6DINITROPHENOL	UG/L	< 5	< 25			16	0.0		5						
2-NITROPHENOL	UG/L	< 10	< 50			16	0.0		10						
4-NITROPHENOL	UG/L	< 10	< 50			16	0.0		10						
Phenols (chlorinated)															
2-CHLOROPHENOL	UG/L	< 10	< 50			38	0.0	50.0	10	166		1	167	167	
2-CHLOROPHENOL	UG/L	< 5	< 25			38	0.0		2						
2,4-DICHLOROPHENOL	UG/L	< 5	< 25			38	0.0		1						
4-CHLORO-3-METHYLPHENOL	UG/L	< 1	< 5			38	0.0		1						
PENTACHLOROPHENOL	UG/L	< 5	< 25			38	0.0		1						
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 50			38	0.0		10						

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Constituent	Unit	Reasonable Potential (RP) Analysis [based on UCB (95/95)]	Proposed Effluent Limit	Upper 95% Confidence Bound (UCB) for the 95th Percentile (after complete mixing)	Performance Goal (PG) = UCB (95/95) (if nondetect < 80%)	PG = RL x 5 (for carcinogens) or RL x 10 (for noncarcinogens) (if nondetect >= 80%)	Proposed PG	Basis
Marine Aquatic Life Protection								
ARSENIC	UG/L	No RP	No Limit	2.9942	2.0314	--	2.0314	95th percentile
CADMIUM	UG/L	No RP	No Limit		80%<ND<100%	5	1	Max Eff Conc
CHROMIUM (VI)	UG/L	No RP	No Limit		100% ND	500	334	Calc Eff Limit
COPPER	UG/L	No RP	No Limit	2.0621	12.3707	--	12	Max Eff Conc
LEAD	UG/L	No RP	No Limit		80%<ND<100%	40	11	Max Eff Conc
MERCURY	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
NICKEL	UG/L	No RP	No Limit	0.2895	48.3465	--	37	Max Eff Conc
SELENIUM	UG/L	No RP	No Limit	0.0641	10.7047	--	10.7047	95th percentile
SILVER	UG/L	No RP	No Limit		80%<ND<100%	25	12	Max Eff Conc
ZINC	UG/L	No RP	No Limit		80%<ND<100%	125	32	Max Eff Conc
Total Cyanide	UG/L	No RP	No Limit	0.0519	8.6673	--	8	Max Eff Conc
Chlorine Residual (Daily) (Outfall 001)	UG/L	RP (by BPJ) (Max Det > Obj)	1336				N/A	N/A
Chlorine Residual (Daily) (Outfall 002)	UG/L	RP (by BPJ) (Max Det > Obj)	1336				N/A	N/A
Chlorine Residual (Monthly) (Outfall 001)	UG/L	RP	334	2.39	399.13	--	300	Max Eff Conc
Chlorine Residual (Monthly) (Outfall 002)	UG/L	RP	334	1.97	328.99	--	240	Max Eff Conc
Ammonia	MG/L	No RP	No Limit	0.2189	36.5563	--	35.6	Max Eff Conc
Acute Toxicity	Tua	No RP (need limit, BPJ)	5.28			--	N/A	N/A
Chronic Toxicity (survival)	Tuc	No RP (need limit, BPJ)	167			--	N/A	N/A
Phenols (unchlorinated)	UG/L	No RP	No Limit		100% ND	250	250	From MDL
2,4-DIMETHYLPHENOL	UG/L							
2,4-DINITROPHENOL	UG/L							
2-METHYL-4,6DINITROPHENOL	UG/L							
2-NITROPHENOL	UG/L							
4-NITROPHENOL	UG/L							
Phenols (chlorinated)	UG/L	No RP	No Limit		100% ND	250	167	Calc Eff Limit
2-CHLOROPHENOL	UG/L							
2,4-DICHLOROPHENOL	UG/L							
4-CHLORO-3-METHYLPHENOL	UG/L							
PENTACHLOROPHENOL	UG/L							
2,4,6-TRICHLOROPHENOL	UG/L							

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Constituent	Unit	Effluent Data Summary (November 2002 to August 2005)							Minimum Level	Dilution Ratio (Dm)	Background Seawater Concentration	Ocean Plan Water Quality Objectives	Calculated Effluent Limit	Existing Effluent Limit (Monthly Avg.) based on Dm = 166	
		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det	Reporting Limit (RL) in the 2004 Annual Report							
Endosulfan	UG/L	< 0.01	< 0.4			34	0.0	0.1	0.05	166		0.009	1.503	1.5	
ENDOSULFAN I	UG/L	< 0.01	< 0.04			34	0.0		0.02						
ENDOSULFAN II	UG/L	< 0.01	< 0.04			34	0.0		0.01						
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.4			34	0.0		0.05						
ENDRIN	UG/L	< 0.01	< 0.04			35	0.0	0.01	0.01	166		0.002	0.334	0.4	
HCH	UG/L	< 0.01	< 0.01	0.01	0.01	35	11.4	0.01	0.02	166		0.004	0.668	0.7	
ALPHA-BHC	UG/L	< 0.01	< 0.01			35	0.0		0.01						
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	0.01	0.01	35	11.4		0.005						
BETA-BHC	UG/L	< 0.01	< 0.01			35	0.0		0.005						
DELTA-BHC	UG/L	< 0.01	< 0.01			35	0.0		0.02						
Human Health Protection - Noncarcinogens															
ACROLEIN	UG/L	< 5	< 100			16	0.0	10.0	2	166		220	36740		
ANTIMONY	UG/L			1.1	2.6	16	100.0	0.5	0.5	166		1200	200400		
BIS(2-CL-ETHOXY)METHANE	UG/L	< 5	< 25			16	0.0	25.0	5	166		4.4	734.8		
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 2	< 10			16	0.0	10.0	2	166		1200	200400		
CHLOROBENZENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		570	95190		
CHROMIUM (III) (using total Cr data)	UG/L	< 12	< 12	13	22	38	13.2	12.0		166		190000	31730000		
DI-N-BUTYL PHTHALATE	UG/L	< 5	< 50			16	0.0	50.0	10	166		3500	584500		
Dichlorobenzene		< 2	< 10			16	0.0	10.0	2	166		5100	851700		
1,2-DICHLOROBENZENE	UG/L	< 2	< 10			16	0.0		2						
1,3-DICHLOROBENZENE	UG/L	< 1	< 5			16	0.0		2						
DIETHYL PHTHALATE	UG/L	< 2	< 10			16	0.0	10.0	2	166		33000	5511000		
DIMETHYL PHTHALATE	UG/L	< 2	< 10			16	0.0	10.0	2	166		820000	136940000		
2-METHYL-4,6DINITROPHENOL	UG/L	< 5	< 25			16	0.0	25.0	5	166		220	36740		
2,4-DINITROPHENOL	UG/L	< 5	< 25			16	0.0	25.0	5	166		4	668		
ETHYL BENZENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		4100	684700		
FLUORANTHENE	UG/L	< 1	< 5			16	0.0	5.0	1	166		15	2505		
HEXACHLOROCYCLOPENTADIENE	UG/L	< 5	< 25			16	0.0	25.0	5	166		58	9686		
NITROBENZENE	UG/L	< 1	< 5			16	0.0	5.0	1	166		4.9	818.3	819	
THALLIUM	UG/L	< 3	< 20			16	0.0	10.0	1	166		2	334		

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Endosulfan	UG/L	No RP	No Limit		100% ND	0.5	0.5	From MDL
ENDOSULFAN I	UG/L							
ENDOSULFAN II	UG/L							
ENDOSULFAN SULFATE	UG/L							
ENDRIN	UG/L	No RP	No Limit		100% ND	0.05	0.05	From MDL
HCH	UG/L	No RP	No Limit		80%<ND<100%	0.05	0.01	Max Eff Conc
ALPHA-BHC	UG/L							
LINDANE (GAMMA-BHC)	UG/L							
BETA-BHC	UG/L							
DELTA-BHC	UG/L							
Human Health Protection - Noncarcinogens								
ACROLEIN	UG/L	No RP	No Limit		100% ND	100	100	From MDL
ANTIMONY	UG/L	No RP	No Limit	0.0206	3.4402	--	2.6	Max Eff Conc
BIS(2-CL-ETHOXY)METHANE	UG/L	No RP	No Limit		100% ND	250	250	From MDL
BIS(2-CL-ISOPROPYL)ETHER	UG/L	No RP	No Limit		100% ND	100	100	From MDL
CHLOROBENZENE	UG/L	No RP	No Limit		100% ND	5	5	From MDL
CHROMIUM (III) (using total Cr data)	UG/L	No RP	No Limit		80%<ND<100%	120	22	Max Eff Conc
DI-N-BUTYL PHTHALATE	UG/L	No RP	No Limit		100% ND	500	500	From MDL
Dichlorobenzene		No RP	No Limit		100% ND	100	100	From MDL
1,2-DICHLOROBENZENE	UG/L							
1,3-DICHLOROBENZENE	UG/L							
DIETHYL PHTHALATE	UG/L	No RP	No Limit		100% ND	100	100	From MDL
DIMETHYL PHTHALATE	UG/L	No RP	No Limit		100% ND	100	100	From MDL
2-METHYL-4,6DINITROPHENOL	UG/L	No RP	No Limit		100% ND	250	250	From MDL
2,4-DINITROPHENOL	UG/L	No RP	No Limit		100% ND	250	250	From MDL
ETHYL BENZENE	UG/L	No RP	No Limit		100% ND	5	5	From MDL
FLUORANTHENE	UG/L	No RP	No Limit		100% ND	50	50	From MDL
HEXACHLOROCYCLOPENTADIENE	UG/L	No RP	No Limit		100% ND	250	250	From MDL
NITROBENZENE	UG/L	No RP	No Limit		100% ND	50	50	From MDL
THALLIUM	UG/L	No RP	No Limit		100% ND	100	100	From MDL

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Constituent	Unit	Effluent Data Summary (November 2002 to August 2005)							Minimum Level	Dilution Ratio (Dm)	Background Seawater Concentration	Ocean Plan Water Quality Objectives	Calculated Effluent Limit	Existing Effluent Limit (Monthly Avg.) based on Dm = 166
		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det	Reporting Limit (RL) in the 2004 Annual Report						
TOLUENE	UG/L	< 0.5	< 0.5	0.2	0.5	16	12.5	0.5	0.5	166		85000	14195000	
TRIBUTYLTIN	UG/L	< 0.001	< 0.0046	0.004	0.0264	15	33.3	0.0046		166		0.0014	0.2338	0.233
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		540000	90180000	
Human Health Protection - Carcinogens														
ACRYLONITRILE	UG/L	< 5	< 50			17	0.0	5.0	2	166		0.1	16.7	17
ALDRIN	UG/L	< 0.01	< 0.01			35	0.0	0.01	0.005	166		0.000022	0.003674	0.004
BENZENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		5.9	985.3	985
BENZIDINE	UG/L	< 0.04	< 5			15	0.0	0.1	5	166		0.000069	0.011523	0.012
BERYLLIUM	UG/L	< 0.3	< 3			16	0.0	1.0	0.5	166		0.033	5.511	5.5
BIS(2-CHLOROETHYL)ETHER	UG/L	< 1	< 5			16	0.0	5.0	1	166		0.045	7.515	7.5
DIETHYLHEXYL PHTHALATE	UG/L	< 2	< 25	12	20.3	16	50.0	10.0	5	166		3.5	584.5	585
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		0.9	150.3	151
Chlordane														
CIS-CHLORDANE	UG/L	< 0.02	< 0.04			22	0.0	0.02	0.1	166		0.000023	0.003841	0.004
TRANS-CHLORDANE	UG/L	< .01	< .01			22	0.0							
TRANS-CHLORDANE	UG/L	< .01	< .01			22	0.0							
TRANS-NONACHLOR	UG/L	< .01	< .01			22	0.0							
OXYCHLORDANE	UG/L	< .01	< .04			22	0.0							
CIS-CHLORDENE	UG/L	< .02	< .02			22	0.0							
TRANS-CHLORDENE	UG/L	< .01	< .01			22	0.0							
CIS-NONACHLOR	UG/L	< .01	< .01			22	0.0							
DIBROMOCHLOROMETHANE	UG/L	< 0.5	< 2	0.4	2	16	75.0	0.5	0.5	166		8.6	1436.2	
CHLOROFORM	UG/L			8	34	16	100.0	0.5	0.5	166		130	21710	
Total DDT														
OP'-DDE	UG/L	< 0.01	< 0.01			35	0.0	0.01	0.05	166		0.00017	0.02839	0.029
PP'-DDE	UG/L	< 0.01	< 0.01			35	0.0							
OP'-DDD	UG/L	< 0.01	< 0.01			35	0.0							
PP'-DDD	UG/L	< 0.01	< 0.01			35	0.0							
OP'-DDT	UG/L	< 0.01	< 0.01			35	0.0							
PP'-DDT	UG/L	< 0.01	< 0.01			35	0.0							
1,4-DICHLOROBENZENE	UG/L	< 1	< 5			16	0.0	5.0	2	166		18	3006	

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TOLUENE	UG/L	No RP	No Limit		80%<ND<100%	5	0.5	Max Eff Conc
TRIBUTYLTIN	UG/L	No RP	No Limit	0.0003553	0.0593351	--	0.0264	Max Eff Conc
1,1,1-TRICHLOROETHANE	UG/L	No RP	No Limit		100% ND	5	5	From MDL
Human Health Protection - Carcinogens								
ACRYLONITRILE	UG/L	No RP	No Limit		100% ND	25	16.7	Calc Eff Limit
ALDRIN	UG/L	Inconclusive	0.003674		100% ND	0.05	PG>limit; No PG	
BENZENE	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
BENZIDINE	UG/L	Inconclusive	0.011523		100% ND	0.5	PG>limit; No PG	
BERYLLIUM	UG/L	No RP	No Limit		100% ND	5	5	From MDL
BIS(2-CHLOROETHYL)ETHER	UG/L	No RP	No Limit		100% ND	25	7.515	Calc Eff Limit
DIETHYLHEXYL PHTHALATE	UG/L	No RP	No Limit	0.1955	32.6485	--	20.3	Max Eff Conc
CARBON TETRACHLORIDE	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
Chlordane	UG/L	Inconclusive	0.003841		100% ND	0.1	PG>limit; No PG	
CIS-CHLORDANE	UG/L							
TRANS-CHLORDANE	UG/L							
TRANS-NONACHLOR	UG/L							
OXYCHLORDANE	UG/L							
CIS-CHLORDENE	UG/L							
TRANS-CHLORDENE	UG/L							
CIS-NONACHLOR	UG/L							
DIBROMOCHLOROMETHANE	UG/L	No RP	No Limit	0.0147	2.4549	--	2	Max Eff Conc
CHLOROFORM	UG/L	No RP	No Limit	0.2665	44.5055	--	34	Max Eff Conc
Total DDT	UG/L	No RP (need limit, BPJ)	0.02839		100% ND	0.05	PG>limit; No PG	
OP'-DDE	UG/L							
PP'-DDE	UG/L							
OP'-DDD	UG/L							
PP'-DDD	UG/L							
OP'-DDT	UG/L							
PP'-DDT	UG/L							
1,4-DICHLOROBENZENE	UG/L	No RP	No Limit		100% ND	25	25	From MDL

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		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det	Reporting Limit (RL) in the 2004 Annual Report						
3,3'-DICHLOROENZIDINE	UG/L	< 0.04	< 5			17	0.0	0.14	5	166		0.0081	1.3527	1.353
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		28	4676	22
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		0.9	150.3	
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	0.9	6	16	93.8	0.5	0.5	166		6.2	1035.4	
METHYLENE CHLORIDE	UG/L			2	12	16	100.0	0.5	0.5	166		450	75150	75
1,3-Dichloropropene		< 0.5	< 0.5			16	0.0	0.5	0.5	166		8.9	1486.3	
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5			16	0.0							
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.5	< 0.5			16	0.0							
DIELDRIN	UG/L	< 0.01	< 0.04			35	0.0	0.0	0.01	166		0.00004	0.00668	0.007
2,4-DINITROTOLUENE	UG/L	< 5	< 25			16	0.0	25.0	5	166		2.6	434.2	
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 5			16	0.0	5.0	1	166		0.16	26.72	27
Halomethanes	UG/L	< 0.5	< 0.5	0.4	2.6	16	68.8	0.5	1	166		130	21710	
BROMOFORM	UG/L	< 0.5	< 0.5	0.5	0.6	16	18.8		0.5					
BROMOMETHANE	UG/L	< 0.5	< 1			16	0.0		1					
CHLOROMETHANE	UG/L	< 0.5	< 0.5	0.4	2.6	16	50.0		0.5					
HEPTACHLOR	UG/L	< 0.01	< 0.01			35	0.0	0.01	0.01	166		0.00005	0.00835	
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.04			35	0.0	0.01	0.01	166		0.00002	0.00334	
HEXACHLOROENZENE	UG/L	< 1	< 5			16	0.0	5.0	1	166		0.00021	0.03507	0.035
HEXACHLOROBUTADIENE	UG/L	< 1	< 5			16	0.0	5.0	1	166		14	2338	
HEXACHLOROETHANE	UG/L	< 1	< 5			16	0.0	5.0	1	166		2.5	417.5	
ISOPHORONE	UG/L	< 1	< 5			16	0.0	5.0	1	166		730	121910	
N-NITROSODIMETHYLAMINE	UG/L	< 5	< 25			16	0.0	25.0	5	166		7.3	1219.1	
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5	< 25			16	0.0	25.0	5	166		0.38	63.46	
N-NITROSODIPHENYLAMINE	UG/L	< 1	< 5			16	0.0	5.0	1	166		2.5	417.5	
PAHs	UG/L	< 5	< 50	0.02	0.06	17	18.8	50.0	10	166		0.0088	1.4696	1.47
ACENAPHTHYLENE	UG/L	< 5	< 50			16	0.0		0.2					
ANTHRACENE	UG/L	< 0.02	< 5			16	0.0		2					
BENZO(A)ANTHRACENE	UG/L	< 0.016	< 5	0.03	0.03	16	6.3		2					
BENZO(A)PYRENE	UG/L	< 0.013	< 5			16	0.0		2					
BENZO(B)FLUORANTHENE	UG/L	< 0.017	< 5			16	0.0		10					
BENZO(GHI)PERYLENE	UG/L	< 0.02	< 5			16	0.0		0.1					
BENZO(K)FLUORANTHENE	UG/L	< 0.008	< 5			16	0.0		2					

Appendix 1

Table 1
REASONABLE POTENTIAL ANALYSIS, EFFLUENT LIMITATIONS, and PERFORMANCE GOALS
(Discharge Serial Nos. 001 and 002)
JOINT WATER POLLUTION CONTROL PLANT (CA0053813, CI-1758)

Constituent	Unit	Reasonable Potential (RP) Analysis [based on UCB (95/95)]	Proposed Effluent Limit	Upper 95% Confidence Bound (UCB) for the 95th Percentile (after complete mixing)	Performance Goal (PG) = UCB (95/95) (if nondetect < 80%)	PG = RL x 5 (for carcinogens) or RL x 10 (for noncarcinogens) (if nondetect >= 80%)	Proposed PG	Basis
3,3'-DICHLOROENZIDINE	UG/L	No RP	No Limit		100% ND	0.7	0.7	From MDL
1,2-DICHLOROETHANE	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
1,1-DICHLOROETHENE	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
BROMODICHLOROMETHANE	UG/L	No RP	No Limit	0.0492	8.2164	--	6	Max Eff Conc
METHYLENE CHLORIDE	UG/L	No RP	No Limit	0.069	11.523	--	11.523	95th percentile
1,3-Dichloropropene		No RP	No Limit		100% ND	2.5	2.5	From MDL
CIS-1,3-DICHLOROPROPENE	UG/L							
TRANS-1,3-DICHLOROPROPENE	UG/L							
DIELDRIN	UG/L	Inconclusive	0.00668		100% ND	0.05	PG>limit; No PG	
2,4-DINITROTOLUENE	UG/L	No RP	No Limit		100% ND	125	125	From MDL
1,2-DIPHENYLHYDRAZINE	UG/L	No RP	No Limit		100% ND	25	25	From MDL
Halomethanes	UG/L	No RP	No Limit	0.0192	3.2064	--	2.6	Max Eff Conc
BROMOFORM	UG/L							
BROMOMETHANE	UG/L							
CHLOROMETHANE	UG/L							
HEPTACHLOR	UG/L	Inconclusive	0.00835		100% ND	0.05	PG>limit; No PG	
HEPTACHLOR EPOXIDE	UG/L	Inconclusive	0.00334		100% ND	0.05	PG>limit; No PG	
HEXACHLOROENZENE	UG/L	Inconclusive	0.03507		100% ND	25	PG>limit; No PG	
HEXACHLOROBUTADIENE	UG/L	No RP	No Limit		100% ND	25	25	From MDL
HEXACHLOROETHANE	UG/L	No RP	No Limit		100% ND	25	25	From MDL
ISOPHORONE	UG/L	No RP	No Limit		100% ND	25	25	From MDL
N-NITROSODIMETHYLAMINE	UG/L	No RP	No Limit		100% ND	125	125	From MDL
N-NITROSODI-N-PROPYLAMINE	UG/L	No RP	No Limit		100% ND	125	63.46	Calc Eff Limit
N-NITROSODIPHENYLAMINE	UG/L	No RP	No Limit		100% ND	25	25	From MDL
PAHs	UG/L	No RP	No Limit		80%<ND<100%	250	0.06	Max Eff Conc
ACENAPHTHYLENE	UG/L							
ANTHRACENE	UG/L							
BENZO(A)ANTHRACENE	UG/L							
BENZO(A)PYRENE	UG/L							
BENZO(B)FLUORANTHENE	UG/L							
BENZO(GHI)PERYLENE	UG/L							
BENZO(K)FLUORANTHENE	UG/L							

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Constituent	Unit	Effluent Data Summary (November 2002 to August 2005)							Minimum Level	Dilution Ratio (Dm)	Background Seawater Concentration	Ocean Plan Water Quality Objectives	Calculated Effluent Limit	Existing Effluent Limit (Monthly Avg.) based on Dm = 166
		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det	Reporting Limit (RL) in the 2004 Annual Report						
CHRYSENE	UG/L	< 0.02	< 5	0.03	0.03	16	6.3		5					
DIBENZO(A,H)ANTHRACENE	UG/L	< 0.02	< 5			16	0.0		0.1					
FLUORENE	UG/L	< 0.02	< 5			16	0.0		0.1					
INDENO(1,2,3-C,D)PYRENE	UG/L	< 0.017	< 5			16	0.0		0.05					
PHENANTHRENE	UG/L	< 0.02	< 5			16	0.0		0.05					
PYRENE	UG/L	< 0.02	< 5	0.02	0.02	16	12.5		0.05					
PCBs	UG/L	< 0.1	< 0.3			35	0.0	0.1	0.5	166		0.000019	0.003173	0.003
AROCLOR 1242	UG/L	< 0.1	< 0.1			35	0.0		0.5					
AROCLOR 1254	UG/L	< 0.05	< 0.05			35	0.0		0.5					
AROCLOR 1016	UG/L	< 0.1	< 0.1			35	0.0		0.5					
AROCLOR 1221	UG/L	< 0.1	< 0.3			35	0.0		0.5					
AROCLOR 1232	UG/L	< 0.1	< 0.1			35	0.0		0.5					
AROCLOR 1248	UG/L	< 0.1	< 0.1			35	0.0		0.5					
AROCLOR 1260	UG/L	< 0.1	< 0.1			35	0.0		0.5					
TCDD Equivalents	PG/L	< .61	< 9			15	0.0	0.61		166		0.0039	0.6513	0.65
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< .5			16	0.0	0.50	0.5	166		2.3	384.1	
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.5	0.5	7	16	81.3	0.5	0.5	166		2	334	
TOXAPHENE	UG/L	< 0.5	< 0.5			35	0.0	0.5	0.5	166		0.00021	0.03507	0.035
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		27	4509	
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		9.4	1569.8	
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 50			38	0.0	50.0	10	166		0.29	48.43	49
VINYL CHLORIDE	UG/L	< 0.5	< 0.5			16	0.0	0.5	0.5	166		36	6012	
Additional Pollutants														
ENDRIN ALDEHYDE	UG/L	< 0.04	< 0.04			35	0.0							
O-DICHLOROBENZENE	UG/L	< 0.5	< 0.5	0.3	3	16	37.5							
M-DICHLOROBENZENE	UG/L	< 0.5	< 0.5			16	0.0							
P-DICHLOROBENZENE	UG/L			2	3	16	100.0							
1,1-DICHLOROETHANE	UG/L	< 0.5	< 0.5			16	0.0							
O-XYLENE	UG/L	< 0.5	< 0.5			16	0.0							
TRANS-1,2-DICHLOROETHYLENE	UG/L	< 0.5	< 0.5			16	0.0							
CHLOROETHANE	UG/L	< 0.5	< 0.5			16	0.0							
2-CHLOROETHYLVINYLETHER	UG/L	< 0.5	< 0.5			16	0.0							
1,2-DICHLOROPROPANE	UG/L	< 0.5	< 0.5			16	0.0							

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Table I
REASONABLE POTENTIAL ANALYSIS, EFFLUENT LIMITATIONS, and PERFORMANCE GOALS
(Discharge Serial Nos. 001 and 002)
JOINT WATER POLLUTION CONTROL PLANT (CA0053813, CI-1758)

Constituent	Unit	Reasonable Potential (RP) Analysis [based on UCB (95/95)]	Proposed Effluent Limit	Upper 95% Confidence Bound (UCB) for the 95th Percentile (after complete mixing)	Performance Goal (PG) = UCB (95/95) (if nondetect < 80%)	PG = RL x 5 (for carcinogens) or RL x 10 (for noncarcinogens) (if nondetect >= 80%)	Proposed PG	Basis
CHRYSENE	UG/L							
DIBENZO(A,H)ANTHRACENE	UG/L							
FLUORENE	UG/L							
INDENO(1,2,3-C,D)PYRENE	UG/L							
PHENANTHRENE	UG/L							
PYRENE	UG/L							
PCBs	UG/L	Inconclusive	0.003173		100% ND	0.5	PG>limit; No PG	
AROCLOR 1242	UG/L							
AROCLOR 1254	UG/L							
AROCLOR 1016	UG/L							
AROCLOR 1221	UG/L							
AROCLOR 1232	UG/L							
AROCLOR 1248	UG/L							
AROCLOR 1260	UG/L							
TCDD Equivalents	PG/L	Inconclusive	0.6513		100% ND	3.05	PG>limit; No PG	
1,1,2,2-TETRACHLOROETHANE	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
TETRACHLOROETHYLENE	UG/L	No RP	No Limit	0.0566	9.4522	--	7	Max Eff Conc
TOXAPHENE	UG/L	Inconclusive	0.03507		100% ND	2.5	PG>limit; No PG	
TRICHLOROETHYLENE	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
1,1,2-TRICHLOROETHANE	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
2,4,6-TRICHLOROPHENOL	UG/L	No RP	No Limit		100% ND	250	48.43	Calc Eff Limit
VINYL CHLORIDE	UG/L	No RP	No Limit		100% ND	2.5	2.5	From MDL
Additional Pollutants								
ENDRIN ALDEHYDE	UG/L							
O-DICHLOROENZENE	UG/L							
M-DICHLOROENZENE	UG/L							
P-DICHLOROENZENE	UG/L							
1,1-DICHLOROETHANE	UG/L							
O-XYLENE	UG/L							
TRANS-1,2-DICHLOROETHYLENE	UG/L							
CHLOROETHANE	UG/L							
2-CHLOROETHYLVINYLETHER	UG/L							
1,2-DICHLOROPROPANE	UG/L							

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Constituent	Unit	Effluent Data Summary (November 2002 to August 2005)							Reporting Limit (RL) in the 2004 Annual Report	Minimum Level	Dilution Ratio (Dm)	Background Seawater Concentration	Ocean Plan Water Quality Objectives	Calculated Effluent Limit	Existing Effluent Limit (Monthly Avg.) based on Dm = 166
		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det								
FREON 11 (CCL3F)	UG/L	< 0.5	< 1			16	0.0								
1,2-DIBROMOETHANE	UG/L	< 0.5	< 0.5			16	0.0								
STYRENE	UG/L	< 1	< 1			16	0.0								
M+P-XYLENE	UG/L	< 1	< 1			16	0.0								
1,4-DIOXANE	UG/L	< 10	< 50	17	17	16	6.3								
CALCIUM-HARDNESS	MG/L			130	202	11	100.0								
MAGNESIUM-HARDNESS	MG/L			61.5	117	11	100.0								
ACENAPHTHENE	UG/L	< 1	< 5			16	0.0								
4-BROMOPHENYL PHENYLETHER	UG/L	< 5	< 25			16	0.0								
BUTYLBENZYL PHTHALATE	UG/L	< 5	< 50			16	0.0								
2-CHLORONAPHTHALENE	UG/L	< 5	< 50			16	0.0								
4-CHLOROPHENYLPHENYLETHER	UG/L	< 5	< 25			16	0.0								
2,6-DINITROTOLUENE	UG/L	< 5	< 25			16	0.0								
DI-N-OCTYL PHTHALATE	UG/L	< 5	< 50			16	0.0								
NAPHTHALENE	UG/L	< 1	< 5			16	0.0								
1,2,4-TRICHLOROENZENE	UG/L	< 5	< 25			16	0.0								
Miscellaneous															
TSS (7-day average)	MG/L			11	26	974	100.0								45
TSS (30-day average)	MG/L			13	21	974	100.0								30
BOD (7-day average)	MG/L			3	17	974	100.0								45
BOD (30-day average)	MG/L			4	12	974	100.0								30
Settleable Solids (Daily)	MG/L	< 0.1	< 0.1	0.1	0.9	974	1.0								1.5
Settleable Solids (7-day average)	MG/L	< 0.1	< 0.1	0.1	0.2	974	1.0								0.75
Settleable Solids (30-day average)	MG/L	< 0.1	< 0.1	0.1	0.1	974	100.0								0.5
Turbidity (Daily)	NTU			4	22	974	100.0								75
Turbidity (7-day average)	NTU			5	11	974	100.0								
Turbidity (30-day average)	NTU			5	9	974	100.0								
Oil & Grease	MG/L	<4	<5			974	0.0								15
Nitrate	MG/L	< .05	< .05	0.03	0.11	36	19.4								
Nitrite	MG/L			0.01	0.29	36	100.0								
Organic-N	MG/L			2.3	36.7	36	100.0								

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FREON 11 (CCL3F)	UG/L							
1,2-DIBROMOETHANE	UG/L							
STYRENE	UG/L							
M+P-XYLENE	UG/L							
1,4-DIOXANE	UG/L							
CALCIUM-HARDNESS	MG/L							
MAGNESIUM-HARDNESS	MG/L							
ACENAPHTHENE	UG/L							
4-BROMOPHENYL PHENYLETHER	UG/L							
BUTYLBENZYL PHTHALATE	UG/L							
2-CHLORONAPHTHALENE	UG/L							
4-CHLOROPHENYLPHENYLETHER	UG/L							
2,6-DINITROTOLUENE	UG/L							
DI-N-OCTYL PHTHALATE	UG/L							
NAPHTHALENE	UG/L							
1,2,4-TRICHLOROBENZENE	UG/L							
Miscellaneous								
TSS (7-day average)	MG/L							
TSS (30-day average)	MG/L							
BOD (7-day average)	MG/L							
BOD (30-day average)	MG/L							
Settleable Solids (Daily)	MG/L							
Settleable Solids (7-day average)	MG/L							
Settleable Solids (30-day average)	MG/L							
Turbidity (Daily)	NTU							
Turbidity (7-day average)	NTU							
Turbidity (30-day average)	NTU							
Oil & Grease	MG/L							
Nitrate	MG/L							
Nitrite	MG/L							
Organic-N	MG/L							