

Appendix 3

Table III
REASONABLE POTENTIAL ANALYSIS AND EFFLUENT LIMITATION
(Discharge Serial No. 004)
JOINT WATER POLLUTION CONTROL PLANT (CA0053813, CI-1758)

Constituent	Unit	Effluent Data Summary, Discharge Serial Nos. 001 & 002 (November 2002 to August 2005)							Reporting Limit (RL) in the 2004 Annual Report	Dilution Ratio (Dm)	Background Seawater Concentration	Ocean Plan Water Quality Objectives	Calculated Effluent Limit	Reasonable Potential (RP) Analysis [based on UCB (95/95)]	Proposed Effluent Limit
		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	115	3	8	583	No RP	No Limit	
CADMIUM	UG/L	<0.25	<1	1	1	38	5.3	1.0	115		1	116	No RP	No Limit	
CHROMIUM (VI)	UG/L	<100	<100			28	0.0	100.0	115		2	232	No RP	No Limit	
COPPER	UG/L	<6	<6	2.3	12	38	89.5	6.0	115	2	3	118	No RP	No Limit	
LEAD	UG/L	<0.25	<8	0.3	11	38	10.5	8.0	115		2	232	No RP	No Limit	
MERCURY	UG/L	<0.5	<0.5			36	0.0	0.5	115	0.0005	0.04	4.5825	No RP	No Limit	
NICKEL	UG/L	<25	<25	7	37	38	84.2	25.0	115		5	580	No RP	No Limit	
SELENIUM	UG/L			4.7	11.9	37	100.0	1.0	115		15	1740	No RP	No Limit	
SILVER	UG/L	<0.25	<5	5	12	38	7.9	5.0	115	0.16	0.7	62.8	No RP	No Limit	
ZINC	UG/L	<25	<25	13	32	38	18.4	25.0	115	8	20	1400	No RP	No Limit	
Total Cyanide	UG/L	<4	<4	4	8	36	86.1	4.0	115		1	116	No RP	No Limit	
Chlorine Residual (Daily) (Outfall 001)	UG/L	<100	<100	100	4500	974	94.6	100.0	115		8	928	RP (by BPJ) (Max Det > Obj)	928	
Chlorine Residual (Daily) (Outfall 002)	UG/L	<100	<100	100	3100	974	91.6	100.0	115		8	928	RP (by BPJ) (Max Det > Obj)	928	
Chlorine Residual (Monthly) (Outfall 001)	UG/L			100	300	32	100.0		115		2	232	RP	232	
Chlorine Residual (Monthly) (Outfall 002)	UG/L			100	240	32	100.0		115		2	232	RP	232	
Ammonia	MG/L			28.4	35.6	36	100.0	0.3	115		0.6	69.6	No RP	No Limit	
Acute Toxicity	Tua			0	1	30	100.0		11.5		0.3	3.75	No RP	No Limit	
Chronic Toxicity (survival)	Tuc			42	42	30	100.0		115		1	116	No RP (need limit, BPJ)	116	
Phenols (unchlorinated)															
2,4-DIMETHYLPHENOL	UG/L	<2	<10			16	0.0	50.0	115		30	3480	No RP	No Limit	
2,4-DINITROPHENOL	UG/L	<5	<25			16	0.0								
2-METHYL-4,6-DINITROPHENOL	UG/L	<5	<25			16	0.0								
2-NITROPHENOL	UG/L	<10	<50			16	0.0								
4-NITROPHENOL	UG/L	<10	<50			16	0.0								
Phenols (chlorinated)															
2-CHLOROPHENOL	UG/L	<5	<25			38	0.0	50.0	115		1	116	No RP	No Limit	
2,4-DICHLOROPHENOL	UG/L	<5	<25			38	0.0								
4-CHLORO-3-METHYLPHENOL	UG/L	<1	<5			38	0.0								
PENTACHLOROPHENOL	UG/L	<5	<25			38	0.0								

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Constituent	Unit	Effluent Data Summary, Discharge Serial Nos. 001 & 002 (November 2002 to August 2005)							Dilution Ratio (Dm)	Background Seawater Concentration	Ocean Plan Water Quality Objectives	Calculated Effluent Limit	Reasonable Potential (RP) Analysis [based on UCB (95/95)]	Proposed Effluent Limit
		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det	Reporting Limit (RL) in the 2004 Annual Report						
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 50			38	0.0							
Endosulfan	UG/L	< 0.01	< 0.4			34	0.0	0.1	115	0.009	1.044	No RP	No Limit	
ENDOSULFAN I	UG/L	< 0.01	< 0.04			34	0.0							
ENDOSULFAN II	UG/L	< 0.01	< 0.04			34	0.0							
ENDOSULFAN SULFATE	UG/L	< 0.01	< 0.4			34	0.0							
ENDRIN	UG/L	< 0.01	< 0.04			35	0.0	0.01	115	0.002	0.232	No RP	No Limit	
HCH	UG/L	< 0.01	< 0.01	0.01	0.01	35	11.4	0.01	115	0.004	0.464	No RP	No Limit	
ALPHA-BHC	UG/L	< 0.01	< 0.01			35	0.0							
LINDANE (GAMMA-BHC)	UG/L	< 0.01	< 0.01	0.01	0.01	35	11.4							
BETA-BHC	UG/L	< 0.01	< 0.01			35	0.0							
DELTA-BHC	UG/L	< 0.01	< 0.01			35	0.0							
Human Health Protection - Noncarcinogens														
ACROLEIN	UG/L	< 5	< 100			16	0.0	10.0	115	220	25520	No RP	No Limit	
ANTIMONY	UG/L			1.1	2.6	16	100.0	0.5	115	1200	139200	No RP	No Limit	
BIS(2-CL-ETHOXY)METHANE	UG/L	< 5	< 25			16	0.0	25.0	115	4.4	510.4	No RP	No Limit	
BIS(2-CL-ISOPROPYL)ETHER	UG/L	< 2	< 10			16	0.0	10.0	115	1200	139200	No RP	No Limit	
CHLORO BENZENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115	570	66120	No RP	No Limit	
CHROMIUM (III) (using total Cr data)	UG/L	< 12	< 12	13	22	38	13.2	12.0	115	190000	22040000	No RP	No Limit	
DI-N-BUTYL PHTHALATE	UG/L	< 5	< 50			16	0.0	50.0	115	3500	406000	No RP	No Limit	
Dichlorobenzene		< 2	< 10			16	0.0	10.0	115	5100	591600	No RP	No Limit	
1,2-DICHLORO BENZENE	UG/L	< 2	< 10			16	0.0							
1,3-DICHLORO BENZENE	UG/L	< 1	< 5			16	0.0							
DIETHYL PHTHALATE	UG/L	< 2	< 10			16	0.0	10.0	115	33000	3828000	No RP	No Limit	
DIMETHYL PHTHALATE	UG/L	< 2	< 10			16	0.0	10.0	115	820000	95120000	No RP	No Limit	
2-METHYL-4,6-DINITROPHENOL	UG/L	< 5	< 25			16	0.0	25.0	115	220	25520	No RP	No Limit	
2,4-DINITROPHENOL	UG/L	< 5	< 25			16	0.0	25.0	115	4	464	No RP	No Limit	
ETHYL BENZENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115	4100	475600	No RP	No Limit	
FLUORANTHENE	UG/L	< 1	< 5			16	0.0	5.0	115	15	1740	No RP	No Limit	
HEXACHLOROCYCLOPENTADIENE	UG/L	< 5	< 25			16	0.0	25.0	115	58	6728	No RP	No Limit	

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Constituent	Unit	Effluent Data Summary, Discharge Serial Nos. 001 & 002 (November 2002 to August 2005)							Dilution Ratio (Dm)	Background Seawater Concentration	Ocean Plan Water Quality Objectives	Calculated Effluent Limit	Reasonable Potential (RP) Analysis [based on UCB (95/95)]	Proposed Effluent Limit
		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det	Reporting Limit (RL) in the 2004 Annual Report						
NITROBENZENE	UG/L	< 1	< 5			16	0.0	5.0	115	4.9	568.4	No RP	No Limit	
THALLIUM	UG/L	< 3	< 20			16	0.0	10.0	115	2	232	No RP	No Limit	
TOLUENE	UG/L	< 0.5	< 0.5	0.2	0.5	16	12.5	0.5	115	85000	9860000	No RP	No Limit	
TRIBUTYL TIN	UG/L	< 0.001	< 0.0046	0.004	0.0264	15	33.3	0.0046	115	0.0014	0.1624	No RP	No Limit	
1,1,1-TRICHLOROETHANE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115	540000	62640000	No RP	No Limit	
Human Health Protection - Carcinogens														
ACRYLONITRILE	UG/L	< 5	< 50			17	0.0	5.0	115	0.1	11.6	No RP	No Limit	
ALDRIN	UG/L	< 0.01	< 0.01			35	0.0	0.01	115	0.000022	0.002552	Inconclusive	0.002552	
BENZENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115	5.9	684.4	No RP	No Limit	
BENZIDINE	UG/L	< 0.04	< 5			15	0.0	0.1	115	0.000069	0.008004	Inconclusive	0.008004	
BERYLLIUM	UG/L	< 0.3	< 3			16	0.0	1.0	115	0.033	3.828	No RP	No Limit	
BIS(2-CHLOROETHYL)ETHER	UG/L	< 1	< 5			16	0.0	5.0	115	0.045	5.22	No RP	No Limit	
DIETHYLHEXYL PHTHALATE	UG/L	< 2	< 25	12	20.3	16	50.0	10.0	115	3.5	406	No RP	No Limit	
CARBON TETRACHLORIDE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115	0.9	104.4	No RP	No Limit	
Chlordane	UG/L	< 0.02	< 0.04			22	0.0	0.02	115	0.000023	0.002668	Inconclusive	0.002668	
CIS-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	115	8.6	997.6	No RP	No Limit	
CHLOROFORM	UG/L			8	34	16	100.0	0.5	115	130	15080	No RP	No Limit	
Total DDT	UG/L	< 0.01	< 0.01			35	0.0	0.01	115	0.00017	0.01972	No RP (need limit, BPJ)	0.01972	
OP'-DDE	UG/L	< 0.01	< 0.01			35	0.0							
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							

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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						
OP'-DDT	UG/L	< 0.01	< 0.01			35	0.0							
PP'-DDT	UG/L	< 0.01	< 0.01			35	0.0							
1,4-DICHLOROENZENE	UG/L	< 1	< 5			16	0.0	5.0	115	18	2088	No RP	No Limit	
3,3'-DICHLOROENZIDINE	UG/L	< 0.04	< 5			17	0.0	0.14	115	0.0081	0.9396	No RP	No Limit	
1,2-DICHLOROETHANE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115	28	3248	No RP	No Limit	
1,1-DICHLOROETHENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115	0.9	104.4	No RP	No Limit	
BROMODICHLOROMETHANE	UG/L	< 0.5	< 0.5	0.9	6	16	93.8	0.5	115	6.2	719.2	No RP	No Limit	
METHYLENE CHLORIDE	UG/L			2	12	16	100.0	0.5	115	450	52200	No RP	No Limit	
1,3-Dichloropropene		< 0.5	< 0.5			16	0.0	0.5	115	8.9	1032.4	No RP	No Limit	
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	115	0.00004	0.00464	Inconclusive	0.00464	
2,4-DINITROTOLUENE	UG/L	< 5	< 25			16	0.0	25.0	115	2.6	301.6	No RP	No Limit	
1,2-DIPHENYLHYDRAZINE	UG/L	< 1	< 5			16	0.0	5.0	115	0.16	18.56	No RP	No Limit	
Halomethanes	UG/L	< 0.5	< 0.5	0.4	2.6	16	68.8	0.5	115	1	15080	No RP	No Limit	
BROMOFORM	UG/L	< 0.5	< 0.5	0.5	0.6	16	18.8							
BROMOMETHANE	UG/L	< 0.5	< 1			16	0.0							
CHLOROMETHANE	UG/L	< 0.5	< 0.5	0.4	2.6	16	50.0							
HEPTACHLOR	UG/L	< 0.01	< 0.01			35	0.0	0.01	115	0.00005	0.0058	Inconclusive	0.0058	
HEPTACHLOR EPOXIDE	UG/L	< 0.01	< 0.04			35	0.0	0.01	115	0.00002	0.00232	Inconclusive	0.00232	
HEXACHLOROENZENE	UG/L	< 1	< 5			16	0.0	5.0	115	0.00021	0.02436	Inconclusive	0.02436	
HEXACHLOROBUTADIENE	UG/L	< 1	< 5			16	0.0	5.0	115	14	1624	No RP	No Limit	
HEXACHLOROETHANE	UG/L	< 1	< 5			16	0.0	5.0	115	2.5	290	No RP	No Limit	
ISOPHORONE	UG/L	< 1	< 5			16	0.0	5.0	115	730	84680	No RP	No Limit	
N-NITROSODIMETHYLAMINE	UG/L	< 5	< 25			16	0.0	25.0	115	7.3	846.8	No RP	No Limit	
N-NITROSODI-N-PROPYLAMINE	UG/L	< 5	< 25			16	0.0	25.0	115	0.38	44.08	No RP	No Limit	
N-NITROSODIPHENYLAMINE	UG/L	< 1	< 5			16	0.0	5.0	115	2.5	290	No RP	No Limit	
PAHs	UG/L	< 5	< 50	0.02	0.06	17	18.8	50.0	115	0.0088	1.0208	No RP	No Limit	
ACENAPHTHYLENE	UG/L	< 5	< 50			16	0.0							
ANTHRACENE	UG/L	< 0.02	< 5			16	0.0							

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		Min Not-Detected (ND)	Max ND	Min Detected (Det)	Max Det	Number of Samples	% Det								
BENZO(A)ANTHRACENE	UG/L	< 0.016	< 5	0.03	0.03	16	6.3								
BENZO(A)PYRENE	UG/L	< 0.013	< 5			16	0.0								
BENZO(B)FLUORANTHENE	UG/L	< 0.017	< 5			16	0.0								
BENZO(GHI)PERYLENE	UG/L	< 0.02	< 5			16	0.0								
BENZO(K)FLUORANTHENE	UG/L	< 0.008	< 5			16	0.0								
CHRYSENE	UG/L	< 0.02	< 5	0.03	0.03	16	6.3								
DIBENZO(A,H)ANTHRACENE	UG/L	< 0.02	< 5			16	0.0								
FLUORENE	UG/L	< 0.02	< 5			16	0.0								
INDENO(1,2,3-C,D)PYRENE	UG/L	< 0.017	< 5			16	0.0								
PHENANTHRENE	UG/L	< 0.02	< 5			16	0.0								
PYRENE	UG/L	< 0.02	< 5	0.02	0.02	16	12.5								
PCBs	UG/L	< 0.1	< 0.3			35	0.0	0.1	115		0.000019	0.002204	Inconclusive	0.002204	
AROCLOR 1242	UG/L	< 0.1	< 0.1			35	0.0								
AROCLOR 1254	UG/L	< 0.05	< 0.05			35	0.0								
AROCLOR 1016	UG/L	< 0.1	< 0.1			35	0.0								
AROCLOR 1221	UG/L	< 0.1	< 0.3			35	0.0								
AROCLOR 1232	UG/L	< 0.1	< 0.1			35	0.0								
AROCLOR 1248	UG/L	< 0.1	< 0.1			35	0.0								
AROCLOR 1260	UG/L	< 0.1	< 0.1			35	0.0								
TCDD Equivalents	PG/L	< .61	< 9			15	0.0	0.61	115		0.0039	0.4524	Inconclusive	0.4524	
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5	< .5			16	0.0	0.50	115		2.3	266.8	No RP	No Limit	
TETRACHLOROETHYLENE	UG/L	< 0.5	< 0.5	0.5	7	16	81.3	0.5	115		2	232	No RP	No Limit	
TOXAPHENE	UG/L	< 0.5	< 0.5			35	0.0	0.5	115		0.00021	0.02436	Inconclusive	0.02436	
TRICHLOROETHYLENE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115		27	3132	No RP	No Limit	
1,1,2-TRICHLOROETHANE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115		9.4	1090.4	No RP	No Limit	
2,4,6-TRICHLOROPHENOL	UG/L	< 10	< 50			38	0.0	50.0	115		0.29	33.64	Inconclusive	33.64	
VINYL CHLORIDE	UG/L	< 0.5	< 0.5			16	0.0	0.5	115		36	4176	No RP	No Limit	