

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	Units	CV	MEC	CTR Water Quality Criteria (ug/L)						Lowest C	MEC >= Lowest C
					Freshwater		Saltwater		Human Health for consumption of:			
					C acute = CMC tot	C chronic = CCC tot	C acute = CMC tot	C chronic = CCC tot	Water & organisms	Organisms only		
1	Antimony	ug/L		4.2						4300.00	4300.00	No
2	Arsenic	ug/L		3.8	340.00	150.00	69.00	36.00			36.00	No
3	Beryllium	ug/L		No Criteria						Narrative	No Criteria	No Criteria
4	Cadmium	ug/L		0.34	4.52	2.46	42.25	9.36		Narrative	2.46	No
5a	Chromium (III)			5	1736.51	206.98				Narrative	206.98	No
5b	Chromium (VI)	ug/L		0.2	16.29	11.43	1107.75	50.35		Narrative	11.43	No
6	Copper	ug/L			14.00	9.33	5.78	3.73			3.73	
7	Lead	ug/L		2.1	81.65	3.18	220.82	8.52		Narrative	3.18	No
8	Mercury	ug/L			Res	Res	Reserved	Reserved		0.051	0.051	
9	Nickel	ug/L	0.6	23	469.17	52.16	74.75	8.28		4600.00	8.28	Yes
10	Selenium	ug/L		4.6	20.00	5.00	290.58	71.14		Narrative	5.00	No
11	Silver	ug/L		1.3	4.06		2.24				2.24	No
12	Thallium	ug/L		3.1						6.30	6.30	No
13	Zinc	ug/L	0.6	180	119.82	119.82	95.14	85.62			85.62	Yes
14	Cyanide	ug/L			22.00	5.20	1.00	1.00		220000.00	1.00	
15	Asbestos	Fibers/L		No Criteria							No Criteria	No Criteria
16	2,3,7,8 TCDD	ug/L								0.00000014	0.00000014	No
	TCDD Equivalents	ug/L	0	4.434E-07						0.00000014	0.00000014	Yes
17	Acrolein	ug/L		4.6						780	780	No
18	Acrylonitrile	ug/L								0.66	0.660	
19	Benzene	ug/L		0.28						71	71.0	No
20	Bromoform	ug/L		0.32						360	360.0	No
21	Carbon Tetrachloride	ug/L		0.28						4.4	4.40	No
22	Chlorobenzene	ug/L		0.36						21000	21000	No
23	Chlorodibromomethane	ug/L		0.28						34	34.00	No
24	Chloroethane	ug/L		No Criteria							No Criteria	No Criteria
25	2-Chloroethylvinyl ether	ug/L		No Criteria							No Criteria	No Criteria
26	Chloroform	ug/L		No Criteria							No Criteria	No Criteria
27	Dichlorobromomethane	ug/L		0.3						46	46.00	No
28	1,1-Dichloroethane	ug/L		No Criteria							No Criteria	No Criteria
29	1,2-Dichloroethane	ug/L		0.28						99	99.00	No
30	1,1-Dichloroethylene	ug/L		0.32						3.2	3.200	No
31	1,2-Dichloropropane	ug/L		0.35						39	39.00	No
32	1,3-Dichloropropylene	ug/L		0.24						1700	1700	No
33	Ethylbenzene	ug/L		0.25						29000	29000	No
34	Methyl Bromide	ug/L		0.34						4000	4000	No
35	Methyl Chloride	ug/L		No Criteria							No Criteria	No Criteria
36	Methylene Chloride	ug/L		0.48						1600	1600.0	No
37	1,1,2,2-Tetrachloroethane	ug/L		0.24						11	11.00	No
38	Tetrachloroethylene	ug/L		0.32						8.85	8.9	No
39	Toluene	ug/L		0.82						200000	200000	No
40	1,2-Trans-Dichloroethylene	ug/L		0.27						140000	140000	No
41	1,1,1-Trichloroethane	ug/L		No Criteria							No Criteria	No Criteria
42	1,1,2-Trichloroethane	ug/L		0.3						42	42.0	No
43	Trichloroethylene	ug/L		0.26						81	81.0	No
44	Vinyl Chloride	ug/L		0.26						525	525	No
45	2-Chlorophenol	ug/L		2						400	400	No
46	2,4-Dichlorophenol	ug/L		2						790	790	No
47	2,4-Dimethylphenol	ug/L		2						2300	2300	No
48	4,6-dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol)	ug/L		5.1						765	765.0	No
49	2,4-Dinitrophenol	ug/L		5.3						14000	14000	No
50	2-Nitrophenol	ug/L		No Criteria							No Criteria	No Criteria
51	4-Nitrophenol	ug/L		No Criteria							No Criteria	No Criteria
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	ug/L		No Criteria							No Criteria	No Criteria
53	Pentachlorophenol	ug/L		2	20.29	15.57	13.00	7.90		8.2	7.90	No
54	Phenol	ug/L		2						4600000	4600000	No
55	2,4,6-Trichlorophenol	ug/L		2						6.5	6.5	No
56	Acenaphthene	ug/L		2						2700	2700	No
57	Acenaphthylene	ug/L		No Criteria							No Criteria	No Criteria
58	Anthracene	ug/L		2						110000	110000	No
59	Benzidine	ug/L								0.00054	0.00054	
60	Benzo(a)Anthracene	ug/L								0.049	0.0490	
61	Benzo(a)Pyrene	ug/L								0.049	0.0490	
62	Benzo(b)Fluoranthene	ug/L								0.049	0.0490	
63	Benzo(ghi)Perylene	ug/L		No Criteria							No Criteria	No Criteria
64	Benzo(k)Fluoranthene	ug/L								0.049	0.0490	
65	Bis(2-Chloroethoxy)Methan	ug/L		No Criteria							No Criteria	No Criteria
66	Bis(2-Chloroethyl)Ether	ug/L								1.4	1.400	
67	Bis(2-Chloroisopropyl)Ether	ug/L		2						170000	170000	No
68	Bis(2-Ethylhexyl)Phthalate	ug/L		2						5.9	5.9	No
69	4-Bromophenyl Phenyl Et	ug/L		No Criteria							No Criteria	No Criteria

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	Units	CV	MEC	CTR Water Quality Criteria (ug/L)						Lowest C	MEC >= Lowest C
					Freshwater		Saltwater		Human Health for consumption of:			
					C acute = CMC tot	C chronic = CCC tot	C acute = CMC tot	C chronic = CCC tot	Water & organisms	Organisms only		
70	Butylbenzyl Phthalate	ug/L		2						5200	5200	No
71	2-Chloronaphthalene	ug/L		2						4300	4300	No
72	4-Chlorophenyl Phenyl Ether	ug/L		No Criteria							No Criteria	No Criteria
73	Chrysene	ug/L	0.6	5.4						0.049	0.0490	Yes
74	Dibenzo(a,h)Anthracene	ug/L								0.049	0.0490	
75	1,2-Dichlorobenzene	ug/L		2						17000	17000	No
76	1,3-Dichlorobenzene	ug/L		2						2600	2600	No
77	1,4-Dichlorobenzene	ug/L		2						2600	2600	No
78	3,3-Dichlorobenzidine	ug/L								0.077	0.08	
79	Diethyl Phthalate	ug/L		2						120000	120000	No
80	Dimethyl Phthalate	ug/L		2						2900000	2900000	No
81	Di-n-Butyl Phthalate	ug/L		2						12000	12000	No
82	2,4-Dinitrotoluene	ug/L		2						9.10	9.10	No
83	2,6-Dinitrotoluene	ug/L		No Criteria							No Criteria	No Criteria
84	Di-n-Octyl Phthalate	ug/L		No Criteria							No Criteria	No Criteria
85	1,2-Diphenylhydrazine	ug/L								0.54	0.540	
86	Fluoranthene	ug/L		2						370	370	No
87	Fluorene	ug/L		2						14000	14000	No
88	Hexachlorobenzene	ug/L								0.00077	0.00077	
89	Hexachlorobutadiene	ug/L		2						50	50.00	No
90	Hexachlorocyclopentadiene	ug/L		2						17000	17000	No
91	Hexachloroethane	ug/L		2						8.9	8.9	No
92	Indeno(1,2,3-cd)Pyrene	ug/L								0.049	0.0490	
93	Isophorone	ug/L		2						600	600.0	No
94	Naphthalene	ug/L		No Criteria							No Criteria	No Criteria
95	Nitrobenzene	ug/L		2						1900	1900	No
96	N-Nitrosodimethylamine	ug/L		2						8.10	8.10000	No
97	N-Nitrosodi-n-Propylamine	ug/L								1.40	1.400	
98	N-Nitrosodiphenylamine	ug/L		2						16	16.0	No
99	Phenanthrene	ug/L		No Criteria							No Criteria	No Criteria
100	Pyrene	ug/L		2						11000	11000	No
101	1,2,4-Trichlorobenzene	ug/L		No Criteria							No Criteria	No Criteria
102	Aldrin	ug/L			3.00		1.30			0.00014	0.00014	
103	alpha-BHC	ug/L		0.005						0.013	0.0130	No
104	beta-BHC	ug/L		0.011						0.046	0.046	No
105	gamma-BHC	ug/L		0.005	0.95		0.16			0.063	0.063	No
106	delta-BHC	ug/L		No Criteria							No Criteria	No Criteria
107	Chlordane	ug/L			2.4	0.0043	0.09	0.004		0.00059	0.00059	
108	4,4'-DDT	ug/L			1.1	0.001	0.13	0.001		0.00059	0.00059	
109	4,4'-DDE (linked to DDT)	ug/L								0.00059	0.00059	
110	4,4'-DDD	ug/L								0.00084	0.00084	
111	Dieldrin	ug/L			0.24	0.056	0.71	0.0019		0.00014	0.00014	
112	alpha-Endosulfan	ug/L		0.005	0.22	0.056	0.034	0.0087		240	0.0087	No
113	beta-Endosulfan	ug/L		0.005	0.22	0.056	0.034	0.0087		240	0.0087	No
114	Endosulfan Sulfate	ug/L		0.005						240	240	No
115	Endrin	ug/L			0.086	0.036	0.037	0.0023		0.81	0.0023	
116	Endrin Aldehyde	ug/L		0.01						0.81	0.81	No
117	Heptachlor	ug/L			0.52	0.0038	0.053	0.0036		0.00021	0.00021	
118	Heptachlor Epoxide	ug/L			0.52	0.0038	0.053	0.0036		0.00011	0.00011	
119-125	PCBs sum (2)	ug/L				0.014		0.03		0.00017	0.00017	
126	Toxaphene	ug/L			0.73	0.0002	0.21	0.0002		0.00075	0.0002	

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	REASONABLE POTENTIAL ANALYSIS (RPA)								
		Tier 1 - Need limit?	B Available (Y/N)?	Are all B data points non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL)	Enter the pollutant B detected max conc (ug/L)	If all B is ND, is MDL>C?	If B>C, effluent limit required	Tier 3 - other info. ?	RPA Result - Need Limit?
1	Antimony	No	Y	Y	5		N	No detected value of B, Step 7		No
2	Arsenic	No	Y	Y	10		N	No detected value of B, Step 7		No
3	Beryllium	No Criteria	Y	Y	1		N	No Criteria	No Criteria	Uc
4	Cadmium	No	Y	Y	2		N	No detected value of B, Step 7		No
5a	Chromium (III)	No	Y	Y	5		N	No detected value of B, Step 7		No
5b	Chromium (VI)	No	Y	Y	20		Y	No detected value of B, Step 7		No
6	Copper		N					No detected value of B, Step 7		Ud
7	Lead	No	Y	Y	5		Y	No detected value of B, Step 7		No
8	Mercury		Y	Y	0.2		Y	No detected value of B, Step 7		No
9	Nickel	Yes	Y	Y	5		N	No detected value of B, Step 7		Yes
10	Selenium	No	Y	Y	5		N	No detected value of B, Step 7		No
11	Silver	No	Y	Y	2		N	No detected value of B, Step 7		No
12	Thallium	No	Y	Y	10		Y	No detected value of B, Step 7		No
13	Zinc	Yes	Y	N		41.2		B<=C, Step 7		Yes
14	Cyanide		Y	Y	50		Y	No detected value of B, Step 7		No
15	Asbestos	No Criteria	Y	Y	0.4		N	No Criteria	No Criteria	Uc
16	2,3,7,8 TCDD		Y	Y	0.000143		Y	No detected value of B, Step 7		No
	TCDD Equivalents	Yes	Y	N		8.237E-07		Limit required, B>C & pollutant		Yes
17	Acrolein	No	Y	Y	20		N	No detected value of B, Step 7		No
18	Acrylonitrile		Y	Y	10		Y	No detected value of B, Step 7		No
19	Benzene	No	Y	Y	0.5		N	No detected value of B, Step 7		No
20	Bromoform	No	Y	Y	1		N	No detected value of B, Step 7		No
21	Carbon Tetrachloride	No	Y	Y	0.5		N	No detected value of B, Step 7		No
22	Chlorobenzene	No	Y	Y	1		N	No detected value of B, Step 7		No
23	Chlorodibromomethane	No	Y	Y	1		N	No detected value of B, Step 7		No
24	Chloroethane	No Criteria	Y	Y	1		N	No Criteria	No Criteria	Uc
25	2-Chloroethylvinyl ether	No Criteria	Y	Y	10		N	No Criteria	No Criteria	Uc
26	Chloroform	No Criteria	Y	Y				No Criteria	No Criteria	Uc
27	Dichlorobromomethane	No	Y	Y	1		N	No detected value of B, Step 7		No
28	1,1-Dichloroethane	No Criteria	Y	Y	1		N	No Criteria	No Criteria	Uc
29	1,2-Dichloroethane	No	Y	Y	0.5		N	No detected value of B, Step 7		No
30	1,1-Dichloroethylene	No	Y	Y	1		N	No detected value of B, Step 7		No
31	1,2-Dichloropropane	No	Y	Y	1		N	No detected value of B, Step 7		No
32	1,3-Dichloropropylene	No	Y	Y	0.5		N	No detected value of B, Step 7		No
33	Ethylbenzene	No	Y	Y	0.5		N	No detected value of B, Step 7		No
34	Methyl Bromide	No	Y	Y	5		N	No detected value of B, Step 7		No
35	Methyl Chloride	No Criteria	Y	Y	2		N	No Criteria	No Criteria	Uc
36	Methylene Chloride	No	Y	Y	5		N	No detected value of B, Step 7		No
37	1,1,2,2-Tetrachloroethane	No	Y	Y	1		N	No detected value of B, Step 7		No
38	Tetrachloroethylene	No	Y	Y	0.5		N	No detected value of B, Step 7		No
39	Toluene	No	Y	Y	0.5		N	No detected value of B, Step 7		No
40	1,2-Trans-Dichloroethylene	No	Y	Y	1		N	No detected value of B, Step 7		No
41	1,1,1-Trichloroethane	No Criteria	Y	Y	1		N	No Criteria	No Criteria	Uc
42	1,1,2-Trichloroethane	No	Y	Y	1		N	No detected value of B, Step 7		No
43	Trichloroethylene	No	Y	Y	1		N	No detected value of B, Step 7		No
44	Vinyl Chloride	No	Y	Y	0.5		N	No detected value of B, Step 7		No
45	2-Chlorophenol	No	Y	Y	5		N	No detected value of B, Step 7		No
46	2,4-Dichlorophenol	No	Y	Y	5		N	No detected value of B, Step 7		No
47	2,4-Dimethylphenol	No	Y	Y	5		N	No detected value of B, Step 7		No
	4,6-dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol)	No	Y	Y	25		N	No detected value of B, Step 7		No
48	2,4-Dinitrophenol	No	Y	Y	25		N	No detected value of B, Step 7		No
49	2-Nitrophenol	No Criteria	Y	Y	10		N	No Criteria	No Criteria	Uc
50	4-Nitrophenol	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
52	Pentachlorophenol	No	Y	Y	5		N	No detected value of B, Step 7		No
54	Phenol	No	Y	Y	5		N	No detected value of B, Step 7		No
55	2,4,6-Trichlorophenol	No	Y	Y	5		N	No detected value of B, Step 7		No
56	Acenaphthene	No	Y	Y	5		N	No detected value of B, Step 7		No
57	Acenaphthylene	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
58	Anthracene	No	Y	Y	5		N	No detected value of B, Step 7		No
59	Benzidine		Y	Y	50		Y	No detected value of B, Step 7		No
60	Benzo(a)Anthracene		Y	Y	5		Y	No detected value of B, Step 7		No
61	Benzo(a)Pyrene		Y	Y	5		Y	No detected value of B, Step 7		No
62	Benzo(b)Fluoranthene		Y	Y	5		Y	No detected value of B, Step 7		No
63	Benzo(ghi)Perylene	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
64	Benzo(k)Fluoranthene		Y	Y	5		Y	No detected value of B, Step 7		No
65	Bis(2-Chloroethoxy)Methane	No Criteria	Y	Y	10		N	No Criteria	No Criteria	Uc
66	Bis(2-Chloroethyl)Ether		Y	Y	10		Y	No detected value of B, Step 7		No
67	Bis(2-Chloroisopropyl)Ether	No	Y	Y	5		N	No detected value of B, Step 7		No
68	Bis(2-Ethylhexyl)Phthalate	No	Y	Y	5		N	No detected value of B, Step 7		No
69	4-Bromophenyl Phenyl Ether	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	REASONABLE POTENTIAL ANALYSIS (RPA)							Tier 3 - other info. ?	RPA Result - Need Limit?
		Tier 1 - Need limit?	B Available (Y/N)?	Are all B data points non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL)	Enter the pollutant B detected max conc (ug/L)	If all B is ND, is MDL>C?	If B>C, effluent limit required		
70	Butylbenzyl Phthalate	No	Y	Y	5		N	No detected value of B, Step 7		No
71	2-Chloronaphthalene	No	Y	Y	5		N	No detected value of B, Step 7		No
72	4-Chlorophenyl Phenyl Ether	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
73	Chrysene	Yes	Y	Y	5		Y	No detected value of B, Step 7		Yes
74	Dibenzo(a,h)Anthracene		Y	Y	5		Y	No detected value of B, Step 7		No
75	1,2-Dichlorobenzene	No	Y	Y	5		N	No detected value of B, Step 7		No
76	1,3-Dichlorobenzene	No	Y	Y	5		N	No detected value of B, Step 7		No
77	1,4-Dichlorobenzene	No	Y	Y	5		N	No detected value of B, Step 7		No
78	3,3-Dichlorobenzidine		Y	Y	5		Y	No detected value of B, Step 7		No
79	Diethyl Phthalate	No	Y	Y	5		N	No detected value of B, Step 7		No
80	Dimethyl Phthalate	No	Y	Y	5		N	No detected value of B, Step 7		No
81	Di-n-Butyl Phthalate	No	Y	Y	5		N	No detected value of B, Step 7		No
82	2,4-Dinitrotoluene	No	Y	Y	5		N	No detected value of B, Step 7		No
83	2,6-Dinitrotoluene	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
84	Di-n-Octyl Phthalate	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
85	1,2-Diphenylhydrazine		Y	Y	2		Y	No detected value of B, Step 7		No
86	Fluoranthene	No	Y	Y	5		N	No detected value of B, Step 7		No
87	Fluorene	No	Y	Y	5		N	No detected value of B, Step 7		No
88	Hexachlorobenzene		Y	Y	5		Y	No detected value of B, Step 7		No
89	Hexachlorobutadiene	No	Y	Y	5		N	No detected value of B, Step 7		No
90	Hexachlorocyclopentadiene	No	Y	Y	15		N	No detected value of B, Step 7		No
91	Hexachloroethane	No	Y	Y	5		N	No detected value of B, Step 7		No
92	Indeno(1,2,3-cd)Pyrene		Y	Y	5		Y	No detected value of B, Step 7		No
93	Isophorone	No	Y	Y	5		N	No detected value of B, Step 7		No
94	Naphthalene	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
95	Nitrobenzene	No	Y	Y	25		N	No detected value of B, Step 7		No
96	N-Nitrosodimethylamine	No	Y	Y	10		Y	No detected value of B, Step 7		No
97	N-Nitrosodi-n-Propylamine		Y	Y	5		Y	No detected value of B, Step 7		No
98	N-Nitrosodiphenylamine	No	Y	Y	5		N	No detected value of B, Step 7		No
99	Phenanthrene	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
100	Pyrene	No	Y	Y	5		N	No detected value of B, Step 7		No
101	1,2,4-Trichlorobenzene	No Criteria	Y	Y	5		N	No Criteria	No Criteria	Uc
102	Aldrin		Y	Y				No detected value of B, Step 7		No
103	alpha-BHC	No	Y	Y				No detected value of B, Step 7		No
104	beta-BHC	No	Y	Y	0.05		Y	No detected value of B, Step 7		No
105	gamma-BHC	No	Y	Y	0.05		N	No detected value of B, Step 7		No
106	delta-BHC	No Criteria	Y	Y	0.05		N	No Criteria	No Criteria	Uc
107	Chlordane		Y	Y	0.5		Y	No detected value of B, Step 7		No
108	4,4'-DDT		Y	Y	0.05		Y	No detected value of B, Step 7		No
109	4,4'-DDE (linked to DDT)		Y	Y	0.05		Y	No detected value of B, Step 7		No
110	4,4'-DDD		Y	Y	0.05		Y	No detected value of B, Step 7		No
111	Dieldrin		Y	Y	0.05		Y	No detected value of B, Step 7		No
112	alpha-Endosulfan	No	Y	Y	0.05		Y	No detected value of B, Step 7		No
113	beta-Endosulfan	No	Y	Y	0.05		Y	No detected value of B, Step 7		No
114	Endosulfan Sulfate	No	Y	Y	0.05		N	No detected value of B, Step 7		No
115	Endrin		Y	Y	0.05		Y	No detected value of B, Step 7		No
116	Endrin Aldehyde	No	Y	Y	0.05		N	No detected value of B, Step 7		No
117	Heptachlor		Y	Y	0.05		Y	No detected value of B, Step 7		No
118	Heptachlor Epoxide		Y	Y	0.05		Y	No detected value of B, Step 7		No
119-125	PCBs sum (2)		Y	Y	0.5		Y	No detected value of B, Step 7		No
126	Toxaphene		Y	Y	2		Y	No detected value of B, Step 7		No

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	Reason	HUMAN HEALTH CALCULATIONS					
			Organisms only			S		
			AMEL hh = ECA = C hh O only	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier
1	Antimony	MEC<C & B is ND						
2	Arsenic	MEC<C & B is ND						
3	Beryllium	No Criteria						
4	Cadmium	MEC<C & B is ND						
5a	Chromium (III)	MEC<C & B is ND						
5b	Chromium (VI)	MEC<C & B is ND						
6	Copper	No effluent data & no B						
7	Lead	MEC<C & B is ND						
8	Mercury	UD; effluent ND, MDL>C, and						
9	Nickel	MEC>=C	4600	2.01	9228.47	0.32	24.00	0.53
10	Selenium	MEC<C & B is ND						
11	Silver	MEC<C & B is ND						
12	Thallium	MEC<C & B is ND						
13	Zinc	MEC>=C		2.01		0.32	30.55	0.53
14	Cyanide	UD; effluent ND, MDL>C, and						
15	Asbestos	No Criteria						
16	2,3,7,8 TCDD	UD; effluent ND, MDL>C, and						
	TCDD Equivalents	MEC>=C	1.40E-08	2.01	2.81E-08			
17	Acrolein	MEC<C & B is ND						
18	Acrylonitrile	UD; effluent ND, MDL>C, and						
19	Benzene	MEC<C & B is ND						
20	Bromoform	MEC<C & B is ND						
21	Carbon Tetrachloride	MEC<C & B is ND						
22	Chlorobenzene	MEC<C & B is ND						
23	Chlorodibromomethane	MEC<C & B is ND						
24	Chloroethane	No Criteria						
25	2-Chloroethylvinyl ether	No Criteria						
26	Chloroform	No Criteria						
27	Dichlorobromomethane	MEC<C & B is ND						
28	1,1-Dichloroethane	No Criteria						
29	1,2-Dichloroethane	MEC<C & B is ND						
30	1,1-Dichloroethylene	MEC<C & B is ND						
31	1,2-Dichloropropane	MEC<C & B is ND						
32	1,3-Dichloropropylene	MEC<C & B is ND						
33	Ethylbenzene	MEC<C & B is ND						
34	Methyl Bromide	MEC<C & B is ND						
35	Methyl Chloride	No Criteria						
36	Methylene Chloride	MEC<C & B is ND						
37	1,1,2,2-Tetrachloroethane	MEC<C & B is ND						
38	Tetrachloroethylene	MEC<C & B is ND						
39	Toluene	MEC<C & B is ND						
40	1,2-Trans-Dichloroethylene	MEC<C & B is ND						
41	1,1,1-Trichloroethane	No Criteria						
42	1,1,2-Trichloroethane	MEC<C & B is ND						
43	Trichloroethylene	MEC<C & B is ND						
44	Vinyl Chloride	MEC<C & B is ND						
45	2-Chlorophenol	MEC<C & B is ND						
46	2,4-Dichlorophenol	MEC<C & B is ND						
47	2,4-Dimethylphenol	MEC<C & B is ND						
48	4,6-dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol)	MEC<C & B is ND						
49	2,4-Dinitrophenol	MEC<C & B is ND						
50	2-Nitrophenol	No Criteria						
51	4-Nitrophenol	No Criteria						
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	No Criteria						
53	Pentachlorophenol	MEC<C & B is ND						
54	Phenol	MEC<C & B is ND						
55	2,4,6-Trichlorophenol	MEC<C & B is ND						
56	Acenaphthene	MEC<C & B is ND						
57	Acenaphthylene	No Criteria						
58	Anthracene	MEC<C & B is ND						
59	Benzidine	UD; effluent ND, MDL>C, and						
60	Benzo(a)Anthracene	UD; effluent ND, MDL>C, and						
61	Benzo(a)Pyrene	UD; effluent ND, MDL>C, and						
62	Benzo(b)Fluoranthene	UD; effluent ND, MDL>C, and						
63	Benzo(ghi)Perylene	No Criteria						
64	Benzo(k)Fluoranthene	UD; effluent ND, MDL>C, and						
65	Bis(2-Chloroethoxy)Methane	No Criteria						
66	Bis(2-Chloroethyl)Ether	UD; effluent ND, MDL>C, and						
67	Bis(2-Chloroisopropyl)Ether	MEC<C & B is ND						
68	Bis(2-Ethylhexyl)Phthalate	MEC<C & B is ND						
69	4-Bromophenyl Phenyl Ether	No Criteria						

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	Reason	HUMAN HEALTH CALCULATIONS					
			Organisms only			S		
			AMEL hh = ECA = C hh O only	MDEL/AMEL multiplier	MDEL hh	ECA acute multiplier (p.7)	LTA acute	ECA chronic multiplier
70	Butylbenzyl Phthalate	MEC<C & B is ND						
71	2-Chloronaphthalene	MEC<C & B is ND						
72	4-Chlorophenyl Phenyl Ether	No Criteria						
73	Chrysene	MEC>=C	0.049	2.01	0.098			
74	Dibenzo(a,h)Anthracene	UD; effluent ND, MDL>C, and						
75	1,2-Dichlorobenzene	MEC<C & B is ND						
76	1,3-Dichlorobenzene	MEC<C & B is ND						
77	1,4-Dichlorobenzene	MEC<C & B is ND						
78	3,3-Dichlorobenzidine	UD; effluent ND, MDL>C, and						
79	Diethyl Phthalate	MEC<C & B is ND						
80	Dimethyl Phthalate	MEC<C & B is ND						
81	Di-n-Butyl Phthalate	MEC<C & B is ND						
82	2,4-Dinitrotoluene	MEC<C & B is ND						
83	2,6-Dinitrotoluene	No Criteria						
84	Di-n-Octyl Phthalate	No Criteria						
85	1,2-Diphenylhydrazine	UD; effluent ND, MDL>C, and						
86	Fluoranthene	MEC<C & B is ND						
87	Fluorene	MEC<C & B is ND						
88	Hexachlorobenzene	UD; effluent ND, MDL>C, and						
89	Hexachlorobutadiene	MEC<C & B is ND						
90	Hexachlorocyclopentadiene	MEC<C & B is ND						
91	Hexachloroethane	MEC<C & B is ND						
92	Indeno(1,2,3-cd)Pyrene	UD; effluent ND, MDL>C, and						
93	Isophorone	MEC<C & B is ND						
94	Naphthalene	No Criteria						
95	Nitrobenzene	MEC<C & B is ND						
96	N-Nitrosodimethylamine	MEC<C & B is ND						
97	N-Nitrosodi-n-Propylamine	UD; effluent ND, MDL>C, and						
98	N-Nitrosodiphenylamine	MEC<C & B is ND						
99	Phenanthrene	No Criteria						
100	Pyrene	MEC<C & B is ND						
101	1,2,4-Trichlorobenzene	No Criteria						
102	Aldrin	UD; effluent ND, MDL>C, and						
103	alpha-BHC	MEC<C & B is ND						
104	beta-BHC	MEC<C & B is ND						
105	gamma-BHC	MEC<C & B is ND						
106	delta-BHC	No Criteria						
107	Chlordane	UD; effluent ND, MDL>C, and						
108	4,4'-DDT	UD; effluent ND, MDL>C, and						
109	4,4'-DDE (linked to DDT)	UD; effluent ND, MDL>C, and						
110	4,4'-DDD	UD; effluent ND, MDL>C, and						
111	Dieldrin	UD; effluent ND, MDL>C, and						
112	alpha-Endosulfan	MEC<C & B is ND						
113	beta-Endosulfan	MEC<C & B is ND						
114	Endosulfan Sulfate	MEC<C & B is ND						
115	Endrin	UD; effluent ND, MDL>C, and						
116	Endrin Aldehyde	MEC<C & B is ND						
117	Heptachlor	UD; effluent ND, MDL>C, and						
118	Heptachlor Epoxide	UD; effluent ND, MDL>C, and						
119-125	PCBs sum (2)	UD; effluent ND, MDL>C, and						
126	Toxaphene	UD; effluent ND, MDL>C, and						

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	AQUATIC LIFE CALCULATIONS						LIMITS	
		Saltwater / Freshwater / Basin Plan							
		LTA chronic	Lowest LTA	AMEL multiplier 95	AMEL aq life	MDEL multiplier 99	MDEL aq life	Lowest AMEL	Lowest MDEL
1	Antimony								
2	Arsenic								
3	Beryllium								
4	Cadmium								
5a	Chromium (III)								
5b	Chromium (VI)								
6	Copper								
7	Lead								
8	Mercury								
9	Nickel	4.37	4.37	1.55	6.78	3.11	13.60595	6.8	13.6
10	Selenium								
11	Silver								
12	Thallium								
13	Zinc	45.16	30.55	1.55	47.42	3.11	95.13742	47.4	95.1
14	Cyanide								
15	Asbestos								
16	2,3,7,8 TCDD								
	TCDD Equivalents			1.55		3.11		1.40E-08	2.81E-08
17	Acrolein								
18	Acrylonitrile								
19	Benzene								
20	Bromoform								
21	Carbon Tetrachloride								
22	Chlorobenzene								
23	Chlorodibromomethane								
24	Chloroethane								
25	2-Chloroethylvinyl ether								
26	Chloroform								
27	Dichlorobromomethane								
28	1,1-Dichloroethane								
29	1,2-Dichloroethane								
30	1,1-Dichloroethylene								
31	1,2-Dichloropropane								
32	1,3-Dichloropropylene								
33	Ethylbenzene								
34	Methyl Bromide								
35	Methyl Chloride								
36	Methylene Chloride								
37	1,1,2,2-Tetrachloroethane								
38	Tetrachloroethylene								
39	Toluene								
40	1,2-Trans-Dichloroethylene								
41	1,1,1-Trichloroethane								
42	1,1,2-Trichloroethane								
43	Trichloroethylene								
44	Vinyl Chloride								
45	2-Chlorophenol								
46	2,4-Dichlorophenol								
47	2,4-Dimethylphenol								
48	4,6-dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol)								
49	2,4-Dinitrophenol								
50	2-Nitrophenol								
51	4-Nitrophenol								
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)								
53	Pentachlorophenol								
54	Phenol								
55	2,4,6-Trichlorophenol								
56	Acenaphthene								
57	Acenaphthylene								
58	Anthracene								
59	Benzidine								
60	Benzo(a)Anthracene								
61	Benzo(a)Pyrene								
62	Benzo(b)Fluoranthene								
63	Benzo(ghi)Perylene								
64	Benzo(k)Fluoranthene								
65	Bis(2-Chloroethoxy)Methane								
66	Bis(2-Chloroethyl)Ether								
67	Bis(2-Chloroisopropyl)Ether								
68	Bis(2-Ethylhexyl)Phthalate								
69	4-Bromophenyl Phenyl Ether								

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	AQUATIC LIFE CALCULATIONS						LIMITS	
		Saltwater / Freshwater / Basin Plan							
		LTA chronic	Lowest LTA	AMEL multiplier 95	AMEL aq life	MDEL multiplier 99	MDEL aq life	Lowest AMEL	Lowest MDEL
70	Butylbenzyl Phthalate								
71	2-Chloronaphthalene								
72	4-Chlorophenyl Phenyl Ether								
73	Chrysene			1.55		3.11		0.049	0.098
74	Dibenzo(a,h)Anthracene								
75	1,2-Dichlorobenzene								
76	1,3-Dichlorobenzene								
77	1,4-Dichlorobenzene								
78	3,3-Dichlorobenzidine								
79	Diethyl Phthalate								
80	Dimethyl Phthalate								
81	Di-n-Butyl Phthalate								
82	2,4-Dinitrotoluene								
83	2,6-Dinitrotoluene								
84	Di-n-Octyl Phthalate								
85	1,2-Diphenylhydrazine								
86	Fluoranthene								
87	Fluorene								
88	Hexachlorobenzene								
89	Hexachlorobutadiene								
90	Hexachlorocyclopentadiene								
91	Hexachloroethane								
92	Indeno(1,2,3-cd)Pyrene								
93	Isophorone								
94	Naphthalene								
95	Nitrobenzene								
96	N-Nitrosodimethylamine								
97	N-Nitrosodi-n-Propylamine								
98	N-Nitrosodiphenylamine								
99	Phenanthrene								
100	Pyrene								
101	1,2,4-Trichlorobenzene								
102	Aldrin								
103	alpha-BHC								
104	beta-BHC								
105	gamma-BHC								
106	delta-BHC								
107	Chlordane								
108	4,4'-DDT								
109	4,4'-DDE (linked to DDT)								
110	4,4'-DDD								
111	Dieldrin								
112	alpha-Endosulfan								
113	beta-Endosulfan								
114	Endosulfan Sulfate								
115	Endrin								
116	Endrin Aldehyde								
117	Heptachlor								
118	Heptachlor Epoxide								
119-125	PCBs sum (2)								
126	Toxaphene								

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	Recommendation
1	Antimony	No Limit
2	Arsenic	No Limit
3	Beryllium	No Limit
4	Cadmium	No Limit
5a	Chromium (III)	No Limit
5b	Chromium (VI)	No Limit
6	Copper	No Limit
7	Lead	No Limit
8	Mercury	No Limit
9	Nickel	
10	Selenium	No Limit
11	Silver	No Limit
12	Thallium	No Limit
13	Zinc	
14	Cyanide	No Limit
15	Asbestos	No Limit
16	2,3,7,8 TCDD	No Limit
	TCDD Equivalents	
17	Acrolein	No Limit
18	Acrylonitrile	No Limit
19	Benzene	No Limit
20	Bromoform	No Limit
21	Carbon Tetrachloride	No Limit
22	Chlorobenzene	No Limit
23	Chlorodibromomethane	No Limit
24	Chloroethane	No Limit
25	2-Chloroethylvinyl ether	No Limit
26	Chloroform	No Limit
27	Dichlorobromomethane	No Limit
28	1,1-Dichloroethane	No Limit
29	1,2-Dichloroethane	No Limit
30	1,1-Dichloroethylene	No Limit
31	1,2-Dichloropropane	No Limit
32	1,3-Dichloropropylene	No Limit
33	Ethylbenzene	No Limit
34	Methyl Bromide	No Limit
35	Methyl Chloride	No Limit
36	Methylene Chloride	No Limit
37	1,1,2,2-Tetrachloroethane	No Limit
38	Tetrachloroethylene	No Limit
39	Toluene	No Limit
40	1,2-Trans-Dichloroethylene	No Limit
41	1,1,1-Trichloroethane	No Limit
42	1,1,2-Trichloroethane	No Limit
43	Trichloroethylene	No Limit
44	Vinyl Chloride	No Limit
45	2-Chlorophenol	No Limit
46	2,4-Dichlorophenol	No Limit
47	2,4-Dimethylphenol	No Limit
48	4,6-dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol)	No Limit
49	2,4-Dinitrophenol	No Limit
50	2-Nitrophenol	No Limit
51	4-Nitrophenol	No Limit
52	3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)	No Limit
53	Pentachlorophenol	No Limit
54	Phenol	No Limit
55	2,4,6-Trichlorophenol	No Limit
56	Acenaphthene	No Limit
57	Acenaphthylene	No Limit
58	Anthracene	No Limit
59	Benzidine	No Limit
60	Benzo(a)Anthracene	No Limit
61	Benzo(a)Pyrene	No Limit
62	Benzo(b)Fluoranthene	No Limit
63	Benzo(ghi)Perylene	No Limit
64	Benzo(k)Fluoranthene	No Limit
65	Bis(2-Chloroethoxy)Methane	No Limit
66	Bis(2-Chloroethyl)Ether	No Limit
67	Bis(2-Chloroisopropyl)Ether	No Limit
68	Bis(2-Ethylhexyl)Phthalate	No Limit
69	4-Bromophenyl Phenyl Ether	No Limit

ATTACHMENT J
SUMMARY OF REASONABLE POTENTIAL ANALYSIS
METROPOLITAN STEVEDORE COMPANY
(NPDES NO. CA 0057746, ORDER NO. R4-2009-XXXX)

CTR#	Parameters	Recommendation
70	Butylbenzyl Phthalate	No Limit
71	2-Chloronaphthalene	No Limit
72	4-Chlorophenyl Phenyl Ether	No Limit
73	Chrysene	No Limit
74	Dibenzo(a,h)Anthracene	No Limit
75	1,2-Dichlorobenzene	No Limit
76	1,3-Dichlorobenzene	No Limit
77	1,4-Dichlorobenzene	No Limit
78	3,3-Dichlorobenzidine	No Limit
79	Diethyl Phthalate	No Limit
80	Dimethyl Phthalate	No Limit
81	Di-n-Butyl Phthalate	No Limit
82	2,4-Dinitrotoluene	No Limit
83	2,6-Dinitrotoluene	No Limit
84	Di-n-Octyl Phthalate	No Limit
85	1,2-Diphenylhydrazine	No Limit
86	Fluoranthene	No Limit
87	Fluorene	No Limit
88	Hexachlorobenzene	No Limit
89	Hexachlorobutadiene	No Limit
90	Hexachlorocyclopentadiene	No Limit
91	Hexachloroethane	No Limit
92	Indeno(1,2,3-cd)Pyrene	No Limit
93	Isophorone	No Limit
94	Naphthalene	No Limit
95	Nitrobenzene	No Limit
96	N-Nitrosodimethylamine	No Limit
97	N-Nitrosodi-n-Propylamine	No Limit
98	N-Nitrosodiphenylamine	No Limit
99	Phenanthrene	No Limit
100	Pyrene	No Limit
101	1,2,4-Trichlorobenzene	No Limit
102	Aldrin	No Limit
103	alpha-BHC	No Limit
104	beta-BHC	No Limit
105	gamma-BHC	No Limit
106	delta-BHC	No Limit
107	Chlordane	No Limit
108	4,4'-DDT	No Limit
109	4,4'-DDE (linked to DDT)	No Limit
110	4,4'-DDD	No Limit
111	Dieldrin	No Limit
112	alpha-Endosulfan	No Limit
113	beta-Endosulfan	No Limit
114	Endosulfan Sulfate	No Limit
115	Endrin	No Limit
116	Endrin Aldehyde	No Limit
117	Heptachlor	No Limit
118	Heptachlor Epoxide	No Limit
119-125	PCBs sum (2)	No Limit
126	Toxaphene	No Limit