

**Appendix 8.8 Detailed Results of Predicted Cumulative TSP Concentrations
Hong Kong Side (Unmitigated Scenario)**

Predicted Maximum Cumulative 1-hr Average TSP Concentration

ASR	Height(m)	TSP Concentration (µg/m³)			
		Scenario 1	Scenario 2	Scenario 3	Maximum
CHA1	1.5	-	-	-	-
	5	350	1357	1357	1357
	10	308	783	800	800
	15	260	492	582	582
	20	214	352	446	446
CHA2	1.5	-	-	-	-
	5	480	1553	1774	1774
	10	385	817	919	919
	15	296	499	645	645
	20	228	379	486	486
EXA1	1.5	-	-	-	-
	5	1331	1345	1605	1605
	10	808	847	896	896
	15	532	587	635	635
	20	337	406	440	440
EXA2	1.5	-	-	-	-
	5	1666	1697	2355	2355
	10	727	834	1154	1154
	15	352	481	716	716
	20	202	345	479	479
EXA3	1.5	-	-	-	-
	5	-	-	-	-
	10	857	994	1408	1408
	15	575	700	892	892
	20	368	480	591	591
EXA4	1.5	-	-	-	-
	5	713	1636	2099	2099
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
	2	2603	3118	-	3118
	5	1716	2206	-	2206
	10	922	1112	-	1112
	15	589	761	-	761
	20	366	517	-	517
EXA6	1.5	1554	4026	5593	5593
	5	-	-	-	-
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA7	1.5	-	-	-	-
	5	-	-	-	-
	10	-	-	1298	1298
	15	-	-	798	798
	20	-	-	514	514
ADA1	1.5	328	780	946	946
	5	334	787	965	965
	10	296	667	828	828
	15	253	536	672	672
	20	209	416	525	525
ADA2	1.5	323	550	763	763
	5	331	567	789	789
	10	298	503	697	697
	15	256	426	586	586
	20	212	347	470	470
ADA3	1.5	-	-	-	-
	5	253	525	678	678
	10	235	475	615	615
	15	211	414	536	536
	20	185	349	452	452
ADA4	1.5	268	442	619	619
	5	277	461	647	647
	10	254	419	587	587
	15	225	366	510	510
	20	194	310	428	428

Predicted Maximum Cumulative 24-hr Average TSP Concentration

ASR	Height(m)	TSP Concentration (µg/m³)			
		Scenario 1	Scenario 2	Scenario 3	Maximum
CHA1	1.5	-	-	-	-
	5	159	634	631	634
	10	151	423	432	432
	15	143	284	293	293
	20	134	215	227	227
CHA2	1.5	-	-	-	-
	5	188	754	809	809
	10	174	436	494	494
	15	159	264	322	322
	20	145	190	224	224
EXA1	1.5	-	-	-	-
	5	619	630	668	668
	10	419	441	480	480
	15	274	312	334	334
	20	186	229	243	243
EXA2	1.5	-	-	-	-
	5	840	883	1099	1099
	10	360	443	601	601
	15	194	271	375	375
	20	130	203	260	260
EXA3	1.5	-	-	-	-
	5	-	-	-	-
	10	451	535	734	734
	15	297	369	459	459
	20	201	261	311	311
EXA4	1.5	-	-	-	-
	5	358	656	684	684
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
	2	871	1319	-	1319
	5	734	864	-	864
	10	476	591	-	591
	15	302	397	-	397
	20	200	276	-	276
EXA6	1.5	497	1396	1884	1884
	5	-	-	-	-
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA7	1.5	-	-	-	-
	5	-	-	-	-
	10	-	-	676	676
	15	-	-	412	412
	20	-	-	273	273
ADA1	1.5	165	281	292	292
	5	169	289	301	301
	10	161	269	282	282
	15	152	246	259	259
	20	142	222	235	235
ADA2	1.5	155	239	265	265
	5	160	246	275	275
	10	154	233	260	260
	15	146	216	242	242
	20	138	199	222	222
ADA3	1.5	-	-	-	-
	5	139	210	225	225
	10	135	202	216	216
	15	130	192	205	205
	20	125	180	193	193
ADA4	1.5	137	197	220	220
	5	141	204	229	229
	10	137	196	220	220
	15	132	186	208	208
	20	127	175	195	195

Predicted Cumulative Annual Average TSP Concentration

ASR	Height(m)	TSP Concentration (µg/m³)			
		Scenario 1	Scenario 2	Scenario 3	Maximum
CHA1	1.5	-	-	-	-
	5	74.8	77.0	77.0	77.0
	10	74.4	75.8	75.7	75.8
	15	74.1	75.0	74.9	75.0
	20	73.8	74.4	74.4	74.4
CHA2	1.5	-	-	-	-
	5	74.4	78.3	78.4	78.4
	10	74.2	76.1	76.2	76.2
	15	73.9	75.0	75.1	75.1
	20	73.7	74.4	74.4	74.4
EXA1	1.5	-	-	-	-
	5	75.5	78.0	79.0	79.0
	10	74.5	76.4	76.5	76.5
	15	73.9	75.4	75.4	75.4
	20	73.6	74.7	74.7	74.7
EXA2	1.5	-	-	-	-
	5	81.4	83.3	83.5	83.5
	10	76.4	78.0	78.2	78.2
	15	74.7	76.1	76.2	76.2
	20	74.1	75.2	75.3	75.3
EXA3	1.5	-	-	-	-
	5	-	-	-	-
	10	78.5	81.0	81.4	81.4
	15	76.2	78.0	78.2	78.2
	20	75.0	76.4	76.5	76.5
EXA4	1.5	-	-	-	-
	5	76.8	81.4	79.2	81.4
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
	2	81.8	97.2	-	97.2
	5	79.3	85.6	-	85.6
	10	76.5	79.8	-	79.8
	15	75.1	77.4	-	77.4
	20	74.4	76.1	-	76.1
EXA6	1.5	78.0	86.2	89.5	89.5
	5	-	-	-	-
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA7	1.5	-	-	-	-
	5	-	-	-	-
	10	-	-	78.1	78.1
	15	-	-	76.2	76.2
	20	-	-	75.2	75.2
ADA1	1.5	74.7	75.6	74.4	75.6
	5	74.7	75.6	74.5	75.6
	10	74.3	75.2	74.4	75.2
	15	74.0	74.8	74.2	74.8
	20	73.8	74.5	74.1	74.5
ADA2	1.5	74.4	75.3	74.2	75.3
	5	74.4	75.3	74.3	75.3
	10	74.1	74.9	74.2	74.9
	15	73.9	74.5	74.0	74.5
	20	73.7	74.2	73.9	74.2
ADA3	1.5	-	-	-	-
	5	73.8	74.4	73.9	74.4
	10	73.7	74.3	73.8	74.3
	15	73.6	74.1	73.8	74.1
	20	73.5	74.0	73.7	74.0
ADA4	1.5	73.9	74.5	73.9	74.5
	5	73.9	74.5	73.9	74.5
	10	73.8	74.4	73.8	74.4
	15	73.7	74.1	73.7	74.1
	20	73.5	73.9	73.7	73.9

**Appendix 8.8 Detailed Results of Predicted Cumulative TSP Concentrations
Hong Kong Side (Tier 1 Mitigated Scenario)**

Predicted Maximum Cumulative 1-hr Average TSP Concentration

ASR	Height (m)	TSP Concentration (µg/m3)			
		Scenario 1	Scenario 2	Scenario 3	Maximum
CHA1	1.5	-	-	-	-
	5	210	207	190	210
	10	196	185	172	196
	15	178	167	155	178
	20	159	148	137	159
CHA2	1.5	-	-	-	-
	5	170	196	214	214
	10	164	166	162	166
	15	155	150	143	155
	20	145	136	129	145
EXA1	1.5	-	-	-	-
	5	267	269	201	269
	10	224	227	157	227
	15	180	190	129	190
	20	146	163	117	163
EXA2	1.5	-	-	-	-
	5	357	352	301	357
	10	240	232	216	240
	15	177	195	169	195
	20	142	164	142	164
EXA3	1.5	-	-	-	-
	5	-	-	-	-
	10	311	281	238	311
	15	237	210	184	237
	20	185	164	150	185
EXA4	1.5	-	-	-	-
	5	279	365	245	365
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA5	2	429	411	-	429
	5	386	388	-	388
	10	297	318	-	318
	15	226	252	-	252
	20	177	202	-	202
EXA6	1.5	347	407	533	533
	5	-	-	-	-
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA7	1.5	-	-	-	-
	5	-	-	-	-
	10	-	-	191	191
	15	-	-	142	142
	20	-	-	124	124
ADA1	1.5	176	203	148	203
	5	178	207	149	207
	10	166	194	138	194
	15	152	179	125	179
	20	142	164	112	164
ADA2	1.5	156	169	133	169
	5	158	171	135	171
	10	149	161	127	161
	15	137	149	118	149
	20	131	139	109	139
ADA3	1.5	-	-	-	-
	5	136	154	125	154
	10	134	150	120	150
	15	130	145	113	145
	20	126	139	106	139
ADA4	1.5	123	141	120	141
	5	127	144	123	144
	10	125	139	118	139
	15	123	134	111	134
	20	120	128	104	128

Predicted Maximum Cumulative 24-hr Average TSP Concentration

ASR	Height (m)	TSP Concentration (µg/m3)			
		Scenario 1	Scenario 2	Scenario 3	Maximum
CHA1	1.5	-	-	-	-
	5	138	147	140	147
	10	130	130	125	130
	15	121	119	115	121
	20	112	110	105	112
CHA2	1.5	-	-	-	-
	5	122	140	146	146
	10	117	122	121	122
	15	112	113	110	113
	20	107	105	102	107
EXA1	1.5	-	-	-	-
	5	174	175	142	175
	10	144	147	118	147
	15	120	127	101	127
	20	105	114	94	114
EXA2	1.5	-	-	-	-
	5	211	211	201	211
	10	147	149	146	149
	15	119	129	119	129
	20	104	114	105	114
EXA3	1.5	-	-	-	-
	5	-	-	-	-
	10	182	172	158	182
	15	145	136	127	145
	20	122	114	109	122
EXA4	1.5	-	-	-	-
	5	173	223	150	223
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA5	2	259	261	-	261
	5	229	238	-	238
	10	176	191	-	191
	15	141	156	-	156
	20	118	131	-	131
EXA6	1.5	211	263	275	275
	5	-	-	-	-
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA7	1.5	-	-	-	-
	5	-	-	-	-
	10	-	-	136	136
	15	-	-	107	107
	20	-	-	97	97
ADA1	1.5	123	141	103	141
	5	124	142	104	142
	10	118	135	101	135
	15	111	126	98	126
	20	106	118	95	118
ADA2	1.5	114	122	100	122
	5	115	123	101	123
	10	111	118	99	118
	15	105	111	97	111
	20	101	105	94	105
ADA3	1.5	-	-	-	-
	5	105	115	95	115
	10	103	113	93	113
	15	101	110	92	110
	20	99	106	90	106
ADA4	1.5	99	108	94	108
	5	101	110	95	110
	10	100	107	94	107
	15	98	104	92	104
	20	96	100	91	100

Predicted Cumulative Annual Average TSP Concentration

ASR	Height (m)	TSP Concentration (µg/m3)			
		Scenario 1	Scenario 2	Scenario 3	Maximum
CHA1	1.5	-	-	-	-
	5	74.6	74.7	74.4	74.7
	10	74.2	74.3	73.9	74.3
	15	73.9	73.9	73.6	73.9
	20	73.6	73.6	73.4	73.6
CHA2	1.5	-	-	-	-
	5	74.1	74.5	74.2	74.5
	10	73.9	74.1	73.8	74.1
	15	73.7	73.8	73.6	73.8
	20	73.6	73.6	73.4	73.6
EXA1	1.5	-	-	-	-
	5	74.6	74.6	74.2	74.6
	10	74.1	74.1	73.8	74.1
	15	73.7	73.7	73.5	73.7
	20	73.5	73.5	73.4	73.5
EXA2	1.5	-	-	-	-
	5	76.7	76.5	75.0	76.7
	10	74.8	74.8	74.0	74.8
	15	74.0	74.1	73.6	74.1
	20	73.7	73.7	73.5	73.7
EXA3	1.5	-	-	-	-
	5	-	-	-	-
	10	75.7	75.8	74.5	75.8
	15	74.6	74.7	74.0	74.7
	20	74.1	74.1	73.7	74.1
EXA4	1.5	-	-	-	-
	5	75.6	77.0	74.0	77.0
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA5	2	78.1	77.5	-	78.1
	5	76.4	76.0	-	76.4
	10	74.8	75.0	-	75.0
	15	74.2	74.4	-	74.4
	20	73.8	74.0	-	74.0
EXA6	1.5	76.0	76.4	77.4	77.4
	5	-	-	-	-
	10	-	-	-	-
	15	-	-	-	-
	20	-	-	-	-
EXA7	1.5	-	-	-	-
	5	-	-	-	-
	10	-	-	74.0	74.0
	15	-	-	73.6	73.6
	20	-	-	73.4	73.4
ADA1	1.5	74.4	74.7	73.3	74.7
	5	74.4	74.6	73.3	74.6
	10	74.1	74.3	73.3	74.3
	15	73.8	74.0	73.3	74.0
	20	73.6	73.7	73.2	73.7
ADA2	1.5	74.1	74.4	73.3	74.4
	5	74.1	74.4	73.3	74.4
	10	73.9	74.1	73.3	74.1
	15	73.7	73.8	73.2	73.8
	20	73.5	73.6	73.2	73.6
ADA3	1.5	-	-	-	-
	5	73.7	73.8	73.2	73.8
	10	73.6	73.7	73.2	73.7
	15	73.5	73.6	73.2	73.6
	20	73.4	73.5	73.2	73.5
ADA4	1.5	73.8	73.9	73.2	73.9
	5	73.8	73.9	73.2	73.9
	10	73.7	73.8	73.2	73.8
	15	73.5	73.6	73.2	73.6
	20	73.4	73.5	73.2	73.5