

Appendix 5.3 Emission Inventory of SCL (TAW - HUH)

Tier 1 short-term (1-hour & 24-hour) assessment - Mitigated

Location	Sources/ Activities	Source ID	Source Type	Coordinates of		Dimension (m)		Height (m)	Angle / Width (deg / m)	Emission Rate (g/s/sq.m)								Working Hour				
				X1	Y1	X2	Y2			Heavy Construction		Stockpiling		Wind Erosion		Barging Point			Concrete Batch Plant /			
										Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours		Daytime	Non-working Hours		
HUH Station	At-grade construction	1	Area	836719	817900	74	13	0	50.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	2	Area	836756	817952	53	8	0	56.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	3	Area	836775	817988	28	7	0	70.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	6	Area	836789	817984	34	8	0	70.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	7	Area	836763	817947	55	8	0	54.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	8	Area	836826	818389	40	8	0	86.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	9	Area	836824	818437	8	55	0	6.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	10	Area	836840	818389	8	45	0	1.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	11	Area	836834	818439	7	56	0	12.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HUH Station	At-grade construction	12	Area	836804	818553	14	180	0	14.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	Cut & Cover Construction	13	Area	836782	818662	40	19	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	Cut & Cover Construction	14	Area	836781	818714	64	17	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	At-grade construction	15	Area	836701	818692	70	21	0	43.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	At-grade construction	16	Area	836704	818722	31	18	0	43.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	At-grade construction	17	Area	836700	818739	16	13	0	43.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	At-grade construction	19	Area	836771	818782	87	63	0	43.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	At-grade construction	20	Area	836811	818830	37	59	0	43.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	At-grade construction	21	Area	836852	818836	31	10	0	43.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	At-grade construction	22	Area	836850	818817	75	15	0	43.0	0.000017228				0.00000224	0.000002695							0700 - 1900
HMT Station	At-grade construction	23	Area	836870	818816	42	14	0	43.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	At-grade construction	25	Area	837291	819422	70	46	0	68.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	At-grade construction	26	Area	837312	819469	32	3	0	68.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	At-grade construction	27	Area	837338	819460	45	14	0	68.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	29	Area	837394	819517	10	17	0	83.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	30	Area	837398	819533	21	22	0	83.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	31	Area	837411	819563	41	37	0	82.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	32	Area	837445	819592	20	32	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	33	Area	837422	819600	37	14	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	34	Area	837401	819603	38	30	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	35	Area	837397	819663	36	22	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	37	Area	837393	819847	78	14	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	38	Area	837407	819840	29	13	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	39	Area	837405	819870	19	11	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	40	Area	837334	819885	43	12	0	0.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	41	Area	837377	819804	359	15	0	90.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	42	Area	837297	819885	11	12	0	0.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	Station Construction	43	Area	837308	819885	10	39	0	0.0	0.000017228				0.00000224	0.000002695							0700 - 1900
MTW Station	At-grade construction	44	Area	837390	820265	12	12	0	0.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	503	Area	838901	821604	172	54	0	48.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	504	Area	838852	821606	111	21	0	48.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	505	Area	838827	821532	32	68	0	48.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	506	Area	838797	821475	89	104	0	46.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	507	Area	838762	821436	14	136	0	46.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Station Construction	508	Area	838707	821297	89	10	0	46.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Station Construction	509	Area	838706	821254	25	48	0	46.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Station Construction	510	Area	838618	821309	368	134	0	46.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	512	Area	838551	821002	29	39	0	46.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	513	Area	838493	821029	48	77	0	24.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	514	Area	838350	821166	50	68	0	23.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	515	Area	838386	821054	126	165	0	23.0	0.000017228				0.00000224	0.000002695							0700 - 1900
KAT Station	Cut & Cover Construction	516	Area	838289	821032	71	128	0	23.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Cut & Cover Construction	517	Area	838235	820943	68	87	0	24.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Cut & Cover Construction	518	Area	838088	820998	142	24	0	24.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Station Construction	519	Area	837799	820891	122	59	0	23.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Cut & Cover Construction	520	Area	838127	820917	150	156	0	24.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Station Construction	540	Area	837824	820784	139	156	0	24.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Station Construction	524	Area	837613	820615	46	22	0	65.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Station Construction	525	Area	837630	820661	50	29	0	65.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Station Construction	526	Area	837720	820676	82	121	0	65.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Station Construction	527	Area	837723	820747	49	66	0	65.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Station Construction	528	Area	837672	820758	162	35	0	65.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	At-grade construction	529	Area	837647	820866	76	37	0	23.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	At-grade construction	532	Area	837596	820884	52	38	0	23.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	At-grade construction	535	Area	837596	820937	58	19	0	87.0	0.000017228				0.00000224	0.000002695							0700 - 1900
TKW Station	Stockpile of material	551	Area	838022	821043	55	99	0	46.0					0.000000018	0.00000224							0700 - 1900

Appendix 5.3 Emission Inventory of SCL (TAW - HUH)

Location	Sources/ Activities	Source ID	Source Type	Coordinates of		Dimension (m)		Height	Angle / Width	Emission Rate (g/s/sq.m)								Working Hour		
				X1	Y1	X2	Y2			Heavy Construction		Stockpiling		Wind Erosion		Barging Point			Concrete Batch Plant /	
				(m)	(m)	(m)	(m)			Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours		Daytime	Non-working Hours
KAT Station	Stockpile of material	553	Area	838595	821425	175	57	0	46.0			0.000000018		0.000000224	0.000002695					0700 - 1900
KAT Station	Stockpile of material	554	Area	838670	821497	30	54	0	46.0			0.000000018		0.000000224	0.000002695					0700 - 1900
KAT Station	Stockpile of material	555	Area	838719	821501	48	13	0	0.0			0.000000018		0.000000224	0.000002695					0700 - 1900
KAT Station	Stockpile of material	556	Area	838718	821521	75	27	0	0.0			0.000000018		0.000000224	0.000002695					0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	563	Area	838260	820914	158	8	0	45.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	564	Area	838354	820941	8	82	0	45.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	565	Area	838394	820887	8	51	0	22.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	566	Area	838427	820836	8	75	0	40.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	567	Area	838455	820789	35	8	0	2.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	568	Area	838476	820762	8	35	0	71.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	569	Area	838547	820637	8	257	0	23.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	570	Area	838665	820450	8	191	0	46.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	571	Area	838735	820374	28	6	0	69.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	572	Area	838714	820350	35	6	0	31.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	573	Area	838680	820347	6	35	0	71.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	574	Area	838631	820276	173	6	0	69.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	575	Area	838625	820167	5	79	0	49.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	576	Area	838794	819996	8	487	0	47.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	577	Area	838915	819763	176	8	0	47.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Material Handling at Barging Point	KTBgPt-1	Point	838714	819739	0	0	0	0.0									0.019076214		0700 - 1900
Off-site area in Kai Tak	Material Handling at Barging Point	KTBgPt-2	Point	838810	819646	0	0	0	0.0									0.019076214		0700 - 1900
Off-site area in Kai Tak	Material Handling at Barging Point	KTBgPt-3	Point	838906	819554	0	0	0	0.0									0.019076214		0700 - 1900
Ma Chai Hang	At-grade construction	424	Area	837454	822822	120	75	0	0.0	0.000017228				0.000000224	0.000002695					0700 - 1900
Ma Chai Hang	At-grade construction	424*	Area	837473	822760	83	50	0	0.0	0.000017228				0.000000224	0.000002695					0700 - 1900
Ma Chai Hang	At-grade construction	425	Area	837868	822710	128	29	0	0.0	0.000017228				0.000000224	0.000002695					0700 - 1900
Ma Chai Hang	At-grade construction	426	Area	838134	822691	65	44	0	29.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Cut & Cover Construction	436	Area	838981	822001	18	103	0	23.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	450	Area	838530	822355	87	80	0	0.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	451	Area	838586	822365	26	71	0	0.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	452	Area	838610	822374	21	37	0	0.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	453	Area	838669	822389	14	238	0	58.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	454	Area	838701	822413	14	176	0	65.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	455	Area	838745	822434	60	46	0	65.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	456	Area	838864	822320	13	196	0	55.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	457	Area	838799	822282	55	55	0	56.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	458	Area	838690	822273	95	225	0	50.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	459	Area	838847	822213	139	102	0	61.0	0.000017228				0.000000224	0.000002695					0700 - 1900
DIH Station	Station & Stabling Sidings Construction	460	Area	838923	822101	42	126	0	56.0	0.000017228				0.000000224	0.000002695					0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR1	Area	838709	819831	8	400	0	46.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR2	Area	838556	819954	29	8	0	46.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR3	Area	838760	819744	8	577	0	46.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR4	Area	838987	819570	55	8	0	46.0	0.000017228										0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR5	Area	838937	819651	8	177	0	46.0	0.000017228										0700 - 1900

Remarks: For completeness, all the emission sources of SCL (TAW-HUH) in Kowloon area are included

## Appendix 5.3 Emission Inventory of SCL (TAW - HUH)

## Tier 1 short-term (1-hour &amp; 24-hour) assessment - Mitigated

Location	Sources/ Activities	Source ID	Source Type	Coordinates of centroid		Dimension (m)		Height (m)	Angle / Width (deg / m)	Emission Rate (g/s/sq.m)						Working Hour
				X1 (m)	Y1 (m)	X2 (m)	Y2 (m)			Heavy Construction		Wind Erosion		Concrete Batch Plant /		
										Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours	
ex-Kai Tak Airport Area	Construction of Road L2 & L11	201	Line	838977	821772	838914	821759	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L2 & L11	202	Line	838914	821759	838861	821720	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L2 & L11	203	Line	838861	821720	838831	821678	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L2 & L11	204	Line	838831	821678	838804	821634	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L2 & L11	205	Line	838804	821634	838735	821585	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1, L7, L8, L9 & L16	208	Line	838107	821244	838196	821151	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	211	Line	839409	819744	839198	819950	0	14.0	0.000209600		0.000018870	0.000018870			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	212	Line	839198	819950	838847	820293	0	14.0	0.000209600		0.000018870	0.000018870			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road	213	Line	838477	821456	838530	821345	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L12 & L13	214	Line	839084	819672	839010	819487	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L12 & L13	215	Line	839025	819498	839365	819171	0	16.0	0.000239500		0.000021560	0.000021560			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L12 & L13	216	Line	839365	819171	839629	818916	0	16.0	0.000239500		0.000021560	0.000021560			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	225	Line	838735	821585	838571	821518	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	226	Line	838571	821518	838464	821465	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	227	Line	838342	821374	838178	821333	0	16.0	0.000239500		0.000021560	0.000021560			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	228	Line	838178	821333	837996	821143	0	16.0	0.000239500		0.000021560	0.000021560			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	229	Line	837996	821143	837862	821006	0	16.0	0.000239500		0.000021560	0.000021560			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	230	Line	837862	821006	837782	820945	0	16.0	0.000239500		0.000021560	0.000021560			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	231	Line	837782	820945	837674	820846	0	16.0	0.000239500		0.000021560	0.000021560			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	237	Line	838582	820607	838619	820501	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	238	Line	838619	820501	838598	820209	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	239	Line	838598	820209	838608	820161	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	240	Line	838608	820161	838630	820118	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	241	Line	838630	820118	838665	820080	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Upgrading of Pumping Station PS1	242	Line	838264	821397	838326	821417	0	48.0	0.000718500		0.000064690	0.000064690			0700 - 1900
ex-Kai Tak Airport Area	Upgrading of Pumping Station PS3	244	Line	837720	820848	837751	820877	0	38.0	0.000568800		0.000051210	0.000051210			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2	294	Line	838853	820752	839031	820907	0	12.0	0.000179600		0.000016170	0.000016170			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L1	301	Line	838653	821763	838654	821824	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L1	302	Line	838654	821824	838691	821940	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Elevated Landscape Deck above Road D3	303	Line	839088	819697	839408	819386	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Elevated Landscape Deck above Road D3	304	Line	839408	819386	839728	819076	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Conversion of TD4 into D4	309	Line	839476	819784	839260	819559	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	315	Line	838798	820410	838867	820408	0	10.0	0.000149700		0.000013480	0.000013480			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	316	Line	838867	820408	838976	820426	0	10.0	0.000149700		0.000013480	0.000013480			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	317	Line	838976	820426	839030	820409	0	10.0	0.000149700		0.000013480	0.000013480			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	318	Line	838941	820492	838983	820441	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	319	Line	838983	820440	839031	820333	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	320	Line	839030	820332	839170	820166	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	321	Line	839170	820166	839231	820145	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	322	Line	839231	820145	839294	820136	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	323	Line	839294	820136	839375	820085	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	324	Line	839375	820085	839442	820010	0	8.0	0.000119700		0.000010780	0.000010780			0700 - 1900
ex-Kai Tak Airport Area	Cut & Cover Section of T2	326	Line	839534	819753	839260	820042	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Cut & Cover Section of T2	327	Line	839260	820042	839092	820222	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Cut & Cover Section of T2	328	Line	839092	820222	838957	820331	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Cut & Cover Section of T2	329	Line	838957	820331	838848	820380	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Construction of Pumping Station PS1A	340	Line	838891	820937	838946	820882	0	43.0	0.000643600		0.000057950	0.000057950			0700 - 1900
ex-Kai Tak Airport Area	Local Roads L4 & L5	354	Line	839035	820932	838829	821133	0	18.0	0.000269400		0.000024260	0.000024260			0700 - 1900
ex-Kai Tak Airport Area	Local Roads L4 & L5	355	Line	838935	821041	838991	821105	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Local Roads L4 & L5	356	Line	838829	821133	838716	821245	0	18.0	0.000269400		0.000024260	0.000024260			0700 - 1900
ex-Kai Tak Airport Area	Local Roads L4 & L5	357	Line	838815	821133	838710	821025	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	206	Line	838568	820644	838487	820794	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	207	Line	838487	820794	838605	820919	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	218	Line	837858	819750	837930	819706	0	10.0	0.000149700		0.000013480	0.000013480			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	220	Line	837657	819505	837755	819460	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	221	Line	837755	819460	837772	819405	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	222	Line	837772	819405	837735	819359	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	223	Line	837735	819359	837697	819325	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	224	Line	837697	819325	837663	819253	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	232	Line	838086	820366	838198	820496	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	233	Line	838198	820496	838274	820541	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	234	Line	838274	820541	838620	820640	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	235	Line	838620	820640	838751	820695	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900

Appendix 5.3 Emission Inventory of SCL (TAW - HUH)

Location	Sources/ Activities	Source ID	Source Type	Coordinates of centroid		Dimension (m)		Height (m)	Angle / Width (deg / m)	Emission Rate (g/s/sq.m)						Working Hour
				X1	Y1	X2	Y2			Heavy Construction		Wind Erosion		Concrete Batch Plant /		
				(m)	(m)	(m)	(m)			Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours	
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	236	Line	838751	820695	838852	820751	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Pumping Station PS2	243	Line	838568	820717	838609	820662	0	50.0	0.000748400		0.000067380	0.000067380			0700 - 1900
ex-Kai Tak Airport Area	Stadium Complex	291	Line	838288	820767	838292	820619	0	106.0	0.001587000		0.000142900	0.000142900			0700 - 1900
ex-Kai Tak Airport Area	Stadium Complex	292	Line	838366	820499	838367	820202	0	220.0	0.003293000		0.000296500	0.000296500			0700 - 1900
ex-Kai Tak Airport Area	Stadium Complex	293	Line	838033	820544	838188	820737	0	80.0	0.001197000		0.000107800	0.000107800			0700 - 1900
ex-Kai Tak Airport Area	Rebuild Kai Tak Nullah	336	Line	838617	821010	838761	820833	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Rebuild Kai Tak Nullah	337	Line	838761	820833	838824	820640	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Rebuild Kai Tak Nullah	338	Line	838824	820640	838819	820471	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	Rebuild Kai Tak Nullah	339	Line	838819	820471	838785	820313	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ01	Area	838798	822560	25	3	0	63.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ02	Area	838807	822574	8	6	0	63.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ03	Area	838733	822635	3	78	0	76.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ04	Area	838649	822678	2	114	0	81.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ05	Area	838540	822699	6	6	0	79.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ06	Area	838509	822698	3	3	0	35.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ07	Area	838536	822707	2	7	0	11.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ08	Area	838538	822730	41	2	0	82.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ09	Area	838554	822815	115	2	0	78.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ10	Area	838572	822886	32	2	0	66.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ11	Area	838587	822910	27	2	0	47.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ12	Area	838618	822942	13	2	0	40.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ13	Area	838627	822976	32	2	0	30.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ14	Area	838661	822990	42	2	0	15.0	0.000017228		0.000000224	0.000002695			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ15	Area	838682	823001	10	5	0	87.0	0.000017228		0.000000224	0.000002695			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	251	Line	838766	820419	838857	820518	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	252	Line	838857	820518	838877	820561	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	253	Line	838877	820561	838893	820617	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	254	Line	838893	820617	838887	820672	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	255	Line	838887	820672	838861	820730	0	20.0	0.000299400		0.000026950	0.000026950			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	310	Line	838387	820058	838524	820276	0	40.0	0.000598700		0.000053910	0.000053910			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	311	Line	838524	820276	838597	820337	0	60.0	0.000898100		0.000080860	0.000080860			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	312	Line	838627	820356	838768	820400	0	60.0	0.000898100		0.000080860	0.000080860			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	313	Line	838768	820400	838848	820381	0	30.0	0.000449100		0.000040430	0.000040430			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	314	Line	837848	819995	838050	819924	0	38.0	0.000568800		0.000051210	0.000051210			0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S1	Point	839055	821302	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S2	Point	839059	821299	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S3	Point	839063	821296	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S4	Point	839066	821293	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S5	Point	839070	821290	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Mixer	S1B-M1	Point	839054	821295	0	0	10	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Ground Hopper	S1B-GH	Point	839056	821315	0	0	0.5	0.0					0.005096065		0700 - 1900
Site 1B	Yau Lee CBP - Haul Road	S1B-HR	Area	839067	821317	32	2	0.5	58.0					0.000017228		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S8	Point	838375	820811	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S9	Point	838380	820805	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S10	Point	838386	820799	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S12	Point	838383	820827	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S13	Point	838388	820820	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S14	Point	838393	820814	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S15	Point	838399	820808	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Mixer	NCBP-M2	Point	838381	820817	0	0	15	0.0					0.019777778		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Mixer	NCBP-M3	Point	838376	820823	0	0	15	0.0					0.019777778		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Mixer	NCBP-M4	Point	838386	820810	0	0	15	0.0					0.019777778		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Ground Hopper	NCBP-GH	Point	838430	820783	0	0	0.5	0.0					0.023333333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Barging Point	NCBP-UL	Point	838558	819889	0	0	0.5	0.0					0.014130529		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Haul Road	NCBP-HR1	Area	838436	820768	5	20	0.5	24.0	0.000017228						0700 - 1900
ex-Kai Tak Airport Area	New CBP-Haul Road	NCBP-HR2	Area	838409	820792	5	51	0.5	57.0	0.000017228						0700 - 1900
ex-Kai Tak Airport Area	New Sand Depot-Wind Erosion	SD-Wind	Area	838306	820810	57	145	0.5	26.0			0.000000224	0.000002695			0700 - 1900
ex-Kai Tak Airport Area	New Sand Depot-Unloading	SD-Mat	Area	838306	820810	57	145	0.5	26.0					0.000000284		0700 - 1900
ex-Kai Tak Airport Area	New Sand Depot-Barging Point	SD-UL	Point	838629	819820	0	0	0.5	0.0					0.014130529		0700 - 1900
ex-Kai Tak Airport Area	New Sand Depot-Haul Road	SD-HR1	Area	838370	820749	27	5	0.5	55.0	0.000017228						0700 - 1900
ex-Kai Tak Airport Area	New Hau Road	600	Area	838413	820746	95	10	0	15.0	0.000017228						0700 - 1900

Remarks: For completeness, all the emission sources of SCL (TAW-HUH) in Kowloon area are included

Appendix 5.3 Emission Inventory of SCL (TAW - HUH)

Long-term (annual) assessment - Mitigated

Location	Sources/ Activities	Source ID	Source Type	Coordinates of		Dimension (m)		Height (m)	Angle / Width (deg / m)	Emission Rate (g/s/sq.m)								Working Hour					
				X1 (m)	Y1 (m)	X2 (m)	Y2 (m)			Heavy Construction		Stockpiling		Wind Erosion		Barging Point			Concrete Batch Plant /				
										Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours		Daytime	Non-working Hours			
HUH Station	At-grade construction	1	Area	836719	817900	74	13	0	50.0	0.000001034				0.000000013	0.000000162							0700 - 1900	
HUH Station	At-grade construction	2	Area	836756	817952	53	8	0	56.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HUH Station	At-grade construction	3	Area	836775	817988	28	7	0	70.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HUH Station	At-grade construction	6	Area	836789	817984	34	8	0	70.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HUH Station	At-grade construction	7	Area	836763	817947	55	8	0	54.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HUH Station	At-grade construction	8	Area	836826	818389	40	8	0	86.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HUH Station	At-grade construction	9	Area	836824	818437	8	55	0	6.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HUH Station	At-grade construction	10	Area	836840	818389	8	45	0	1.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HUH Station	At-grade construction	11	Area	836834	818439	7	56	0	12.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HUH Station	At-grade construction	12	Area	836804	818553	14	180	0	14.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	Cut & Cover Construction	13	Area	836782	818662	40	19	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	Cut & Cover Construction	14	Area	836781	818714	64	17	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	At-grade construction	15	Area	836701	818692	70	21	0	43.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	At-grade construction	16	Area	836704	818722	31	18	0	43.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	At-grade construction	17	Area	836700	818739	16	13	0	43.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	At-grade construction	19	Area	836771	818782	87	63	0	43.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	At-grade construction	20	Area	836811	818830	37	59	0	43.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	At-grade construction	21	Area	836852	818836	31	10	0	43.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	At-grade construction	22	Area	836850	818817	75	15	0	43.0	0.000001034					0.000000013	0.000000162							0700 - 1900
HMT Station	At-grade construction	23	Area	836870	818816	42	14	0	43.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	At-grade construction	25	Area	837291	819422	70	46	0	68.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	At-grade construction	26	Area	837312	819469	32	3	0	68.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	At-grade construction	27	Area	837338	819460	45	14	0	68.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	29	Area	837394	819517	10	17	0	83.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	30	Area	837398	819533	21	22	0	83.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	31	Area	837411	819563	41	37	0	82.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	32	Area	837445	819592	20	32	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	33	Area	837422	819600	37	14	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	34	Area	837401	819603	38	30	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	35	Area	837397	819663	36	22	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	37	Area	837393	819847	78	14	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	38	Area	837407	819840	29	13	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	39	Area	837405	819870	19	11	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	40	Area	837334	819885	43	12	0	0.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	41	Area	837377	819804	359	15	0	90.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	42	Area	837297	819885	11	12	0	0.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	Station Construction	43	Area	837308	819885	10	39	0	0.0	0.000001034					0.000000013	0.000000162							0700 - 1900
MTW Station	At-grade construction	44	Area	837390	820265	12	12	0	0.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	503	Area	838901	821604	172	54	0	48.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	504	Area	838852	821606	111	21	0	48.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	505	Area	838827	821532	32	68	0	48.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	506	Area	838797	821475	89	104	0	46.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	507	Area	838762	821436	14	136	0	46.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Station Construction	508	Area	838707	821297	89	10	0	46.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Station Construction	509	Area	838706	821254	25	48	0	46.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Station Construction	510	Area	838618	821309	368	134	0	46.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	512	Area	838551	821002	29	39	0	46.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	513	Area	838493	821029	48	77	0	24.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	514	Area	838350	821166	50	68	0	23.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	515	Area	838386	821054	126	165	0	23.0	0.000001034					0.000000013	0.000000162							0700 - 1900
KAT Station	Cut & Cover Construction	516	Area	838289	821032	71	128	0	23.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Cut & Cover Construction	517	Area	838235	820943	68	87	0	24.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Cut & Cover Construction	518	Area	838088	820998	142	24	0	24.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Station Construction	519	Area	837799	820891	122	59	0	23.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Cut & Cover Construction	520	Area	838127	820917	150	156	0	24.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Station Construction	540	Area	837824	820784	139	156	0	24.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Station Construction	524	Area	837613	820615	46	22	0	65.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Station Construction	525	Area	837630	820661	50	29	0	65.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Station Construction	526	Area	837720	820676	82	121	0	65.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Station Construction	527	Area	837723	820747	49	66	0	65.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	Station Construction	528	Area	837672	820758	162	35	0	65.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	At-grade construction	529	Area	837647	820866	76	37	0	23.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	At-grade construction	532	Area	837596	820884	52	38	0	23.0	0.000001034					0.000000013	0.000000162							0700 - 1900
TKW Station	At-grade construction	535	Area	837596	8209																		

Appendix 5.3 Emission Inventory of SCL (TAW - HUH)

Location	Sources/ Activities	Source ID	Source Type	Coordinates of		Dimension (m)		Height (m)	Angle / Width (deg / m)	Emission Rate (g/s/sq.m)								Working Hour			
				X1	Y1	X2	Y2			Heavy Construction		Stockpiling		Wind Erosion		Barging Point			Concrete Batch Plant /		
				(m)	(m)	(m)	(m)			Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours		Daytime	Non-working Hours	
KAT Station	Stockpile of material	553	Area	838595	821425	175	57	0	46.0			0.00000018		0.00000013	0.00000162						0700 - 1900
KAT Station	Stockpile of material	554	Area	838670	821497	30	54	0	46.0			0.00000018		0.00000013	0.00000162						0700 - 1900
KAT Station	Stockpile of material	555	Area	838719	821501	48	13	0	0.0			0.00000018		0.00000013	0.00000162						0700 - 1900
KAT Station	Stockpile of material	556	Area	838718	821521	75	27	0	0.0			0.00000018		0.00000013	0.00000162						0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	563	Area	838260	820914	158	8	0	45.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	564	Area	838354	820941	8	82	0	45.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	565	Area	838394	820887	8	51	0	22.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	566	Area	838427	820836	8	75	0	40.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	567	Area	838455	820789	35	8	0	2.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	568	Area	838476	820762	8	35	0	71.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	569	Area	838547	820637	8	257	0	23.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	570	Area	838665	820450	8	191	0	46.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	571	Area	838735	820374	28	6	0	69.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	572	Area	838714	820350	35	6	0	31.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	573	Area	838680	820347	6	35	0	71.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	574	Area	838631	820276	173	6	0	69.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	575	Area	838625	820167	5	79	0	49.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	576	Area	838794	819996	8	487	0	47.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road to Barging Point	577	Area	838915	819763	176	8	0	47.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Material Handling at Barging Point	KTBgPt-1	Point	838714	819739	0	0	0	0.0										0.019076214		0700 - 1900
Off-site area in Kai Tak	Material Handling at Barging Point	KTBgPt-2	Point	838810	819646	0	0	0	0.0										0.019076214		0700 - 1900
Off-site area in Kai Tak	Material Handling at Barging Point	KTBgPt-3	Point	838906	819554	0	0	0	0.0										0.019076214		0700 - 1900
Ma Chai Hang	At-grade construction	424	Area	837454	822822	120	75	0	0.0	0.000001034				0.00000013	0.00000162						0700 - 1900
Ma Chai Hang	At-grade construction	424*	Area	837473	822760	83	50	0	0.0	0.000001034				0.00000013	0.00000162						0700 - 1900
Ma Chai Hang	At-grade construction	425	Area	837868	822710	128	29	0	0.0	0.000001034				0.00000013	0.00000162						0700 - 1900
Ma Chai Hang	At-grade construction	426	Area	838134	822691	65	44	0	29.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Cut & Cover Construction	436	Area	838981	822001	18	103	0	23.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	450	Area	838530	822355	87	80	0	0.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	451	Area	838586	822365	26	71	0	0.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	452	Area	838610	822374	21	37	0	0.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	453	Area	838669	822389	14	238	0	58.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	454	Area	838701	822413	14	176	0	65.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	455	Area	838745	822434	60	46	0	65.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	456	Area	838864	822320	13	196	0	55.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	457	Area	838799	822282	55	55	0	56.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	458	Area	838690	822273	95	225	0	50.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	459	Area	838847	822213	139	102	0	61.0	0.000001034				0.00000013	0.00000162						0700 - 1900
DIH Station	Station & Stabling Sidings Construction	460	Area	838923	822101	42	126	0	56.0	0.000001034				0.00000013	0.00000162						0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR1	Area	838709	819831	8	400	0	46.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR2	Area	838556	819954	29	8	0	46.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR3	Area	838760	819744	8	577	0	46.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR4	Area	838987	819570	55	8	0	46.0	0.000017228											0700 - 1900
Off-site area in Kai Tak	Paved Haul Road	KTBgPt-HR5	Area	838937	819651	8	177	0	46.0	0.000017228											0700 - 1900

Remarks: For completeness, all the emission sources of SCL (TAW-HUH) in Kowloon area are included

Appendix 5.3 Emission Inventory of SCL (TAW - HUH)

Long-term (annual) assessment - Mitigated

Location	Sources/ Activities	Source ID	Source Type	Coordinates of centroid		Dimension (m)		Height (m)	Angle / Width (deg / m)	Emission Rate (g/s/sq.m)						Working Hour
				X1	Y1	X2	Y2			Heavy Construction		Wind Erosion		Concrete Batch Plant /		
				(m)	(m)	(m)	(m)			Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours	
ex-Kai Tak Airport Area	Construction of Road L2 & L11	201	Line	838977	821772	838914	821759	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L2 & L11	202	Line	838914	821759	838861	821720	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L2 & L11	203	Line	838861	821720	838831	821678	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L2 & L11	204	Line	838831	821678	838804	821634	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L2 & L11	205	Line	838804	821634	838735	821585	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1, L7, L8, L9 & L16	208	Line	838107	821244	838196	821151	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	211	Line	839409	819744	839198	819950	0	14.0	0.000025152		0.000002264	0.000002264			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	212	Line	839198	819950	838847	820293	0	14.0	0.000025152		0.000002264	0.000002264			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road	213	Line	838477	821456	838530	821345	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L12 & L13	214	Line	839084	819672	839010	819487	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L12 & L13	215	Line	839025	819498	839365	819171	0	16.0	0.000028740		0.000002587	0.000002587			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L12 & L13	216	Line	839365	819171	839629	818916	0	16.0	0.000028740		0.000002587	0.000002587			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	225	Line	838735	821585	838571	821518	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	226	Line	838571	821518	838464	821465	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	227	Line	838342	821374	838178	821333	0	16.0	0.000028740		0.000002587	0.000002587			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	228	Line	838178	821333	837996	821143	0	16.0	0.000028740		0.000002587	0.000002587			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	229	Line	837996	821143	837862	821006	0	16.0	0.000028740		0.000002587	0.000002587			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	230	Line	837862	821006	837782	820945	0	16.0	0.000028740		0.000002587	0.000002587			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D1	231	Line	837782	820945	837674	820846	0	16.0	0.000028740		0.000002587	0.000002587			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	237	Line	838582	820607	838619	820501	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	238	Line	838619	820501	838598	820209	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	239	Line	838598	820209	838608	820161	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	240	Line	838608	820161	838630	820118	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D3	241	Line	838630	820118	838665	820080	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Upgrading of Pumping Station PS1	242	Line	838264	821397	838326	821417	0	48.0	0.000086220		0.000007763	0.000007763			0700 - 1900
ex-Kai Tak Airport Area	Upgrading of Pumping Station PS3	244	Line	837720	820848	837751	820877	0	38.0	0.000068256		0.000006145	0.000006145			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2	294	Line	838853	820752	839031	820907	0	12.0	0.000021552		0.000001940	0.000001940			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L1	301	Line	838653	821763	838654	821824	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road L1	302	Line	838654	821824	838691	821940	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Elevated Landscape Deck above Road D3	303	Line	839088	819697	839408	819386	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Elevated Landscape Deck above Road D3	304	Line	839408	819386	839728	819076	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Conversion of TD4 into D4	309	Line	839476	819784	839260	819559	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	315	Line	838798	820410	838867	820408	0	10.0	0.000017964		0.000001618	0.000001618			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	316	Line	838867	820408	838976	820426	0	10.0	0.000017964		0.000001618	0.000001618			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	317	Line	838976	820426	839030	820409	0	10.0	0.000017964		0.000001618	0.000001618			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	318	Line	838941	820492	838983	820441	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	319	Line	838983	820440	839031	820333	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	320	Line	839030	820332	839170	820166	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	321	Line	839170	820166	839231	820145	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	322	Line	839231	820145	839294	820136	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	323	Line	839294	820136	839375	820085	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Construction of Trunk Road T2 and Local Roads	324	Line	839375	820085	839442	820010	0	8.0	0.000014364		0.000001294	0.000001294			0700 - 1900
ex-Kai Tak Airport Area	Cut & Cover Section of T2	326	Line	839534	819753	839260	820042	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Cut & Cover Section of T2	327	Line	839260	820042	839092	820222	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Cut & Cover Section of T2	328	Line	839092	820222	838957	820331	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Cut & Cover Section of T2	329	Line	838957	820331	838848	820380	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Construction of Pumping Station PS1A	340	Line	838891	820937	838946	820882	0	43.0	0.000072328		0.000006954	0.000006954			0700 - 1900
ex-Kai Tak Airport Area	Local Roads L4 & L5	354	Line	839035	820932	838829	821133	0	18.0	0.000032328		0.000002911	0.000002911			0700 - 1900
ex-Kai Tak Airport Area	Local Roads L4 & L5	355	Line	838935	821041	838991	821105	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Local Roads L4 & L5	356	Line	838829	821133	838716	821245	0	18.0	0.000032328		0.000002911	0.000002911			0700 - 1900
ex-Kai Tak Airport Area	Local Roads L4 & L5	357	Line	838815	821133	838710	821025	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	206	Line	838568	820644	838487	820794	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	207	Line	838487	820794	838605	820919	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	218	Line	837858	819750	837930	819706	0	10.0	0.000017964		0.000001618	0.000001618			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	220	Line	837657	819505	837755	819460	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	221	Line	837755	819460	837772	819405	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	222	Line	837772	819405	837735	819359	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	223	Line	837735	819359	837697	819325	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	224	Line	837697	819325	837663	819253	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	232	Line	838086	820366	838198	820496	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	233	Line	838198	820496	838274	820541	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	234	Line	838274	820541	838620	820640	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	235	Line	838620	820640	838751	820695	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900

Appendix 5.3 Emission Inventory of SCL (TAW - HUH)

Location	Sources/ Activities	Source ID	Source Type	Coordinates of centroid		Dimension (m)		Height (m)	Angle / Width (deg / m)	Emission Rate (g/s/sq.m)						Working Hour
				X1	Y1	X2	Y2			Heavy Construction		Wind Erosion		Concrete Batch Plant /		
				(m)	(m)	(m)	(m)			Daytime	Non-working Hours	Daytime	Non-working Hours	Daytime	Non-working Hours	
ex-Kai Tak Airport Area	Construction of Road D2, D3, L6, L17 & L19	236	Line	838751	820695	838852	820751	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Pumping Station PS2	243	Line	838568	820717	838609	820662	0	50.0	0.000089808		0.000008086	0.000008086			0700 - 1900
ex-Kai Tak Airport Area	Stadium Complex	291	Line	838288	820767	838292	820619	0	106.0	0.000190440		0.000017148	0.000017148			0700 - 1900
ex-Kai Tak Airport Area	Stadium Complex	292	Line	838366	820499	838367	820202	0	220.0	0.000395160		0.000035580	0.000035580			0700 - 1900
ex-Kai Tak Airport Area	Stadium Complex	293	Line	838033	820544	838188	820737	0	80.0	0.000143640		0.000012936	0.000012936			0700 - 1900
ex-Kai Tak Airport Area	Rebuild Kai Tak Nullah	336	Line	838617	821010	838761	820833	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Rebuild Kai Tak Nullah	337	Line	838761	820833	838824	820640	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Rebuild Kai Tak Nullah	338	Line	838824	820640	838819	820471	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	Rebuild Kai Tak Nullah	339	Line	838819	820471	838785	820313	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ01	Area	838798	822560	25	3	0	63.0	0.000001034		0.000000162	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ02	Area	838807	822574	8	6	0	63.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ03	Area	838733	822635	3	78	0	76.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ04	Area	838649	822678	2	114	0	81.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ05	Area	838540	822699	6	6	0	79.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ06	Area	838509	822698	3	3	0	35.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ07	Area	838536	822707	2	7	0	11.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ08	Area	838538	822730	41	2	0	82.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ09	Area	838554	822815	115	2	0	78.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ10	Area	838572	822886	32	2	0	66.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ11	Area	838587	822910	27	2	0	47.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ12	Area	838618	822942	13	2	0	40.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ13	Area	838627	822976	32	2	0	30.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ14	Area	838661	822990	42	2	0	15.0	0.000001034		0.000000013	0.000000162			0700 - 1900
Tsz Wan Shan	Tsz Wan Shan Pedestrian Link	TWZ15	Area	838682	823001	10	5	0	87.0	0.000001034		0.000000013	0.000000162			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	251	Line	838766	820419	838857	820518	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	252	Line	838857	820518	838877	820561	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	253	Line	838877	820561	838893	820617	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	254	Line	838893	820617	838887	820672	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	255	Line	838887	820672	838861	820730	0	20.0	0.000035928		0.000003234	0.000003234			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	310	Line	838387	820058	838524	820276	0	40.0	0.000071844		0.000006469	0.000006469			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	311	Line	838524	820276	838597	820337	0	60.0	0.000107772		0.000009703	0.000009703			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	312	Line	838627	820356	838768	820400	0	60.0	0.000107772		0.000009703	0.000009703			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	313	Line	838768	820400	838848	820381	0	30.0	0.000053892		0.000004852	0.000004852			0700 - 1900
ex-Kai Tak Airport Area	CKR Construction	314	Line	837848	819995	838050	819924	0	38.0	0.000068256		0.000006145	0.000006145			0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S1	Point	839055	821302	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S2	Point	839059	821299	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S3	Point	839063	821296	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S4	Point	839066	821293	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Silo	S1B-S5	Point	839070	821290	0	0	20	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Mixer	S1B-M1	Point	839054	821295	0	0	10	0.0					0.024722222		0700 - 1900
Site 1B	Yau Lee CBP - Ground Hopper	S1B-GH	Point	839056	821315	0	0	0.5	0.0					0.005096065		0700 - 1900
Site 1B	Yau Lee CBP - Haul Road	S1B-HR	Area	839067	821317	32	2	0.5	58.0					0.000017228		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S8	Point	838375	820811	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S9	Point	838380	820805	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S10	Point	838386	820799	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S12	Point	838383	820827	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S13	Point	838388	820820	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S14	Point	838393	820814	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Silo	NCBP-S15	Point	838399	820808	0	0	20	0.0					0.014833333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Mixer	NCBP-M2	Point	838381	820817	0	0	15	0.0					0.019777778		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Mixer	NCBP-M3	Point	838376	820823	0	0	15	0.0					0.019777778		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Mixer	NCBP-M4	Point	838386	820810	0	0	15	0.0					0.019777778		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Ground Hopper	NCBP-GH	Point	838430	820783	0	0	0.5	0.0					0.023333333		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Barging Point	NCBP-UL	Point	838558	819889	0	0	0.5	0.0					0.014130529		0700 - 1900
ex-Kai Tak Airport Area	New CBP-Haul Road	NCBP-HR1	Area	838436	820768	5	20	0.5	24.0	0.000017228						0700 - 1900
ex-Kai Tak Airport Area	New CBP-Haul Road	NCBP-HR2	Area	838409	820792	5	51	0.5	57.0	0.000017228						0700 - 1900
ex-Kai Tak Airport Area	New Sand Depot-Wind Erosion	SD-Wind	Area	838306	820810	57	145	0.5	26.0		0.00000224	0.000002695				0700 - 1900
ex-Kai Tak Airport Area	New Sand Depot-Unloading	SD-Mat	Area	838306	820810	57	145	0.5	26.0					0.000000284		0700 - 1900
ex-Kai Tak Airport Area	New Sand Depot-Barging Point	SD-UL	Point	838629	819820	0	0	0.5	0.0					0.014130529		0700 - 1900
ex-Kai Tak Airport Area	New Sand Depot-Haul Road	SD-HR1	Area	838370	820749	27	5	0.5	55.0	0.000017228						0700 - 1900
ex-Kai Tak Airport Area	New Hau Road	600	Area	838413	820746	95	10	0	15.0	0.000017228						0700 - 1900

Remarks: For completeness, all the emission sources of SCL (TAW-HUH) in Kowloon area are included



**Calculation of Emission factor for Heavy Construction (Kowloon Area)**

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)  
 or = 2.69Mg/hectare/month of activity

Where

E = Emission Factor (applicable to At-grade, Cut & Cover, Paved Haul Road and Station Construction works)

Assume

For Annual Emission:

**Mitigated (Day Time)**

Active operating area (%):	6	refer to Appendix 7.4 for justification
Mitigation efficiency (%):	91.70%	watering once per hour
E (g/sq.m/day):	0.0447	Assume 30 working days per month and 12 working hours a day
E (g/sq.m/s):	<b>0.000001034</b>	calculated, 12 working hours per day

**Mitigated (Day Time) - Haul Road for Transportation**

Active operating area (%):	100	assumed to be fully utilized
Mitigation efficiency (%):	91.70%	watering once per hour
E (g/sq.m/day):	0.7442	Assume 30 working days per month and 12 working hours a day
E (g/sq.m/s):	<b>0.000017228</b>	calculated, 12 working hours per day

**Unmitigated (Day Time)**

Active operating area (%):	6	refer to Appendix 7.4 for justification
Mitigation efficiency (%):	0.00%	unmitigated scenario
E (g/sq.m/day):	0.5380	Assume 30 working days per month and 12 working hours a day
E (g/sq.m/s):	<b>0.000012454</b>	calculated, 12 working hours per day

For 1-hour an 24-hour Emission (Tier 1 and Tier 2):

**Mitigated (Day Time)**

Active operating area (%):	100	assumed all works area are in full operation for Tier 1 and Tier 2 assessment
Mitigation efficiency (%):	91.70%	watering once per hour
E (g/sq.m/day):	0.7442	Assume 30 working days per month and 12 working hours a day
E (g/sq.m/s):	<b>0.000017228</b>	calculated, 12 working hours per day

**Mitigated (Day Time) - Haul Road for Transportation**

Active operating area (%):	100	assumed to be fully utilized
Mitigation efficiency (%):	91.70%	watering once per hour
E (g/sq.m/day):	0.7442	Assume 30 working days per month and 12 working hours a day
E (g/sq.m/s):	<b>0.000017228</b>	calculated, 12 working hours per day

**Unmitigated (Day Time)**

Active operating area (%):	100	assumed all works area are in full operation for Tier 1 and Tier 2 assessment
Mitigation efficiency (%):	0.00%	unmitigated scenario
E (g/sq.m/day):	8.9667	Assume 30 working days per month and 12 working hours a day
E (g/sq.m/s):	<b>0.000207562</b>	calculated, 12 working hours per day

**Calculation of Emission factor for Wind Erosion (Kowloon Area)**

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor (applicable to all exposed construction sites and stockpiles)

Assume

For Annual Emission:

**Unmitigated (Non-working Hours)**

Active operating area (%)	6	refer to Appendix 7.4 for justification
Mitigation efficiency (%)	0.00%	no mitigation measure during non-working hours
E (g/sqm/day)	0.013972603	calculated as in AP-42 (S11.9, Table 11.9.4)
E (g/sq.m/s)	<b>0.0000001617</b>	calculated, 24-hour emission

**Mitigated (Day Time)**

Active operating area (%)	6	refer to Appendix 7.4 for justification
Mitigation efficiency (%)	91.70%	watering once per hour
E (g/sqm/day)	0.001159726	calculated as in AP-42 (S11.9, Table 11.9.4)
E (g/sq.m/s)	<b>0.0000000134</b>	calculated, 24-hour emission

**Unmitigated (24-hour)**

Active operating area (%)	6	refer to Appendix 7.4 for justification
Mitigation efficiency (%)	0.00%	unmitigated scenario
E (g/sqm/day)	0.013972603	calculated as in AP-42 (S11.9, Table 11.9.4)
E (g/sq.m/s)	<b>0.0000001617</b>	calculated, 24-hour emission

For 1-hour an 24-hour Emission:

**Unmitigated (Non-working Hours)**

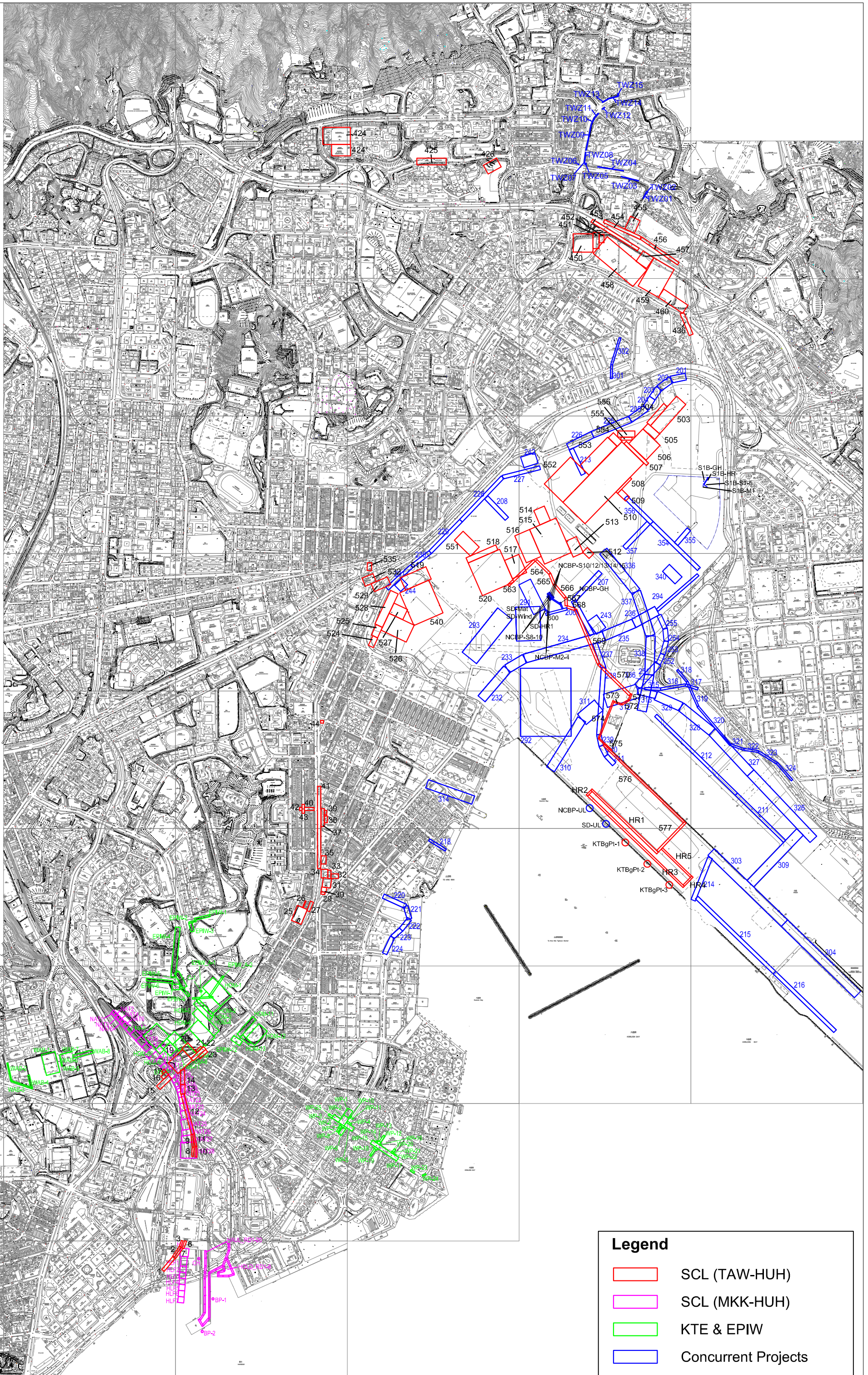
Active operating area (%)	100	assumed all works area are in full operation for Tier 1 and Tier 2 assessment
Mitigation efficiency (%)	0.00%	no mitigation measure during non-working hours
E (g/sqm/day)	0.232876712	calculated as in AP-42 (S11.9, Table 11.9.4)
E (g/sq.m/s)	<b>0.0000026953</b>	calculated, 24-hour emission

**Mitigated (Day Time)**

Active operating area (%)	100	assumed all works area are in full operation for Tier 1 and Tier 2 assessment
Mitigation efficiency (%)	91.70%	watering once per hour
E (g/sqm/day)	0.019328767	calculated as in AP-42 (S11.9, Table 11.9.4)
E (g/sq.m/s)	<b>0.0000002237</b>	calculated, 24-hour emission

**Unmitigated (24-hour)**

Active operating area (%)	100	assumed all works area are in full operation for Tier 1 and Tier 2 assessment
Mitigation efficiency (%)	0.00%	unmitigated scenario
E (g/sqm/day)	0.232876712	calculated as in AP-42 (S11.9, Table 11.9.4)
E (g/sq.m/s)	<b>0.0000026953</b>	calculated, 24-hour emission



**Legend**

- SCL (TAW-HUH)
- SCL (MKK-HUH)
- KTE & EPIW
- Concurrent Projects

Locations of Dust Sources (Kowloon Area) - for Tier 1 & Annual TSP Assessment

Scale 1:15000 on A3