

Annex A3

## Dust Results

Annex A3(a)

0101759 SZ River Phase IV Regulation Works

Hourly and Daily Average Case 1 - 150m active area shift to Southern part of works area

Cumulative Impacts with LT BCP

Background TSP = 67 ug/m3

ASR	Description	X	Y	Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Highest Total (ug/m3)		
				1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
				A1	Muk Wu Chuen Yiu	832245	844702	166	174	156	6	7
A2	Ta Ku Ling Ling Ying Public School	832701	844180	365	383	340	10	10	9	432	450	407
A3	Chow Tin Tsuen	832971	844096	580	597	515	12	12	11	647	664	582
A4	Fung Wong Wu	833198	844193	645	654	544	9	10	9	712	721	611
A5	Ta Kwu Ling Village	833252	844600	2996	1492	798	29	20	14	3063	1559	865
A6	Ta Kwu Ling Police Station	833372	844576	1759	1249	642	17	13	12	1826	1316	709
A7	Ta Kwu Ling Fire Station	833434	844564	1302	1094	559	24	14	12	1369	1161	626
A8	ArchSD Property Services Branch	833458	844615	796	738	501	24	14	13	863	805	568
A9	Kan Tau Wai	833460	844433	811	734	475	14	15	13	878	801	542
A10	Kaw Lui Village	833402	844726	1502	1279	706	24	17	15	1569	1346	773
A12	Chuk Yuen Tsuen Resite	833915	844871	341	347	296	25	26	22	408	414	363
A13	Proposed Future Recreational Use	833558	844959	794	767	589	25	25	21	861	834	656
A14	Kan Tau Wai Village House	833917	844887	344	349	296	26	26	22	411	416	363
<b>TSP Criterion</b>										<b>500</b>	<b>500</b>	<b>500</b>

ASR	Description	X	Y	Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Highest Total (ug/m3)		
				1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
				A1	Muk Wu Chuen Yiu	832245	844702	41	45	41	6.3	7.0
A2	Ta Ku Ling Ling Ying Public School	832701	844180	67	72	65	9.4	10.2	9.3	134	139	132
A3	Chow Tin Tsuen	832971	844096	87	93	83	11.1	11.8	10.7	154	160	150
A4	Fung Wong Wu	833198	844193	77	81	73	8.6	9.1	8.2	144	148	140
A5	Ta Kwu Ling Village	833252	844600	327	198	119	27.5	17.6	13.3	394	265	186
A6	Ta Kwu Ling Police Station	833372	844576	190	135	76	16.4	13.2	11.8	257	202	143
A7	Ta Kwu Ling Fire Station	833434	844564	240	118	80	23.8	14.0	11.9	307	185	147
A8	ArchSD Property Services Branch	833458	844615	294	93	82	24.2	14.2	12.6	361	160	149
A9	Kan Tau Wai	833460	844433	109	92	76	14.2	14.9	13.2	176	159	143
A10	Kaw Lui Village	833402	844726	163	138	82	17.8	16.4	14.6	230	205	149
A12	Chuk Yuen Tsuen Resite	833915	844871	108	99	77	25.2	25.8	22.0	175	166	144
A13	Proposed Future Recreational Use	833558	844959	130	133	113	24.8	25.2	21.1	197	200	180
A14	Kan Tau Wai Village House	833917	844887	101	99	77	25.8	26.3	22.3	168	166	144
<b>TSP Criterion</b>										<b>500</b>	<b>500</b>	<b>500</b>

ASR	Description	X	Y	Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Total (ug/m3)		
				1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
				A1	Muk Wu Chuen Yiu	832245	844702	31	34	32	0.9	1.0
A2	Ta Ku Ling Ling Ying Public School	832701	844180	26	28	25	1.0	1.0	1.0	94	96	93
A3	Chow Tin Tsuen	832971	844096	62	65	60	1.8	1.9	1.8	131	134	129
A4	Fung Wong Wu	833198	844193	97	98	85	2.4	2.5	2.2	166	167	154
A5	Ta Kwu Ling Village	833252	844600	922	514	230	8.6	6.0	3.3	998	587	300
A6	Ta Kwu Ling Police Station	833372	844576	284	221	111	3.4	3.4	2.9	354	292	181
A7	Ta Kwu Ling Fire Station	833434	844564	240	178	128	6.6	3.4	2.6	313	248	198
A8	ArchSD Property Services Branch	833458	844615	218	205	149	4.6	3.3	2.6	290	276	219
A9	Kan Tau Wai	833460	844433	178	168	126	2.6	2.8	2.5	247	238	195
A10	Kaw Lui Village	833402	844726	395	325	175	4.3	4.2	3.4	466	396	245
A12	Chuk Yuen Tsuen Resite	833915	844871	62	64	58	6.1	6.3	5.7	135	137	131
A13	Proposed Future Recreational Use	833558	844959	103	102	88	4.9	4.9	4.2	175	174	159
A14	Kan Tau Wai Village House	833917	844887	63	65	58	6.3	6.5	5.8	136	138	131
<b>TSP Criterion</b>										<b>260</b>	<b>260</b>	<b>260</b>

ASR	Description	X	Y	Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Total (ug/m3)		
				1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
				A1	Muk Wu Chuen Yiu	832245	844702	6	7	6	0.9	0.9
A2	Ta Ku Ling Ling Ying Public School	832701	844180	5	5	5	0.9	1.0	0.9	73	73	73
A3	Chow Tin Tsuen	832971	844096	9	9	9	1.7	1.8	1.7	77	78	77
A4	Fung Wong Wu	833198	844193	13	14	12	2.3	2.4	2.1	83	83	81
A5	Ta Kwu Ling Village	833252	844600	100	56	25	7.8	5.4	3.0	174	128	95
A6	Ta Kwu Ling Police Station	833372	844576	31	24	16	3.3	3.4	2.9	102	95	86
A7	Ta Kwu Ling Fire Station	833434	844564	78	28	18	6.5	3.4	2.6	151	98	87
A8	ArchSD Property Services Branch	833458	844615	35	22	17	4.6	3.2	2.6	107	93	86
A9	Kan Tau Wai	833460	844433	25	22	16	2.6	2.8	2.5	94	92	85
A10	Kaw Lui Village	833402	844726	43	35	23	4.2	4.2	3.4	114	106	94
A12	Chuk Yuen Tsuen Resite	833915	844871	29	30	26	6.1	6.3	5.6	102	103	98
A13	Proposed Future Recreational Use	833558	844959	19	19	17	4.8	4.9	4.2	91	91	88
A14	Kan Tau Wai Village House	833917	844887	30	30	26	6.3	6.4	5.7	103	104	99
<b>TSP Criterion</b>										<b>260</b>	<b>260</b>	<b>260</b>

Annex A3(b)

0101759 SZ River Phase IV Regulation Works  
 Hourly and Daily Average Case 2 - 150m active area shift to Northern part of works area  
 Cumulative Impacts with LT BCP  
 Background TSP = 67 ug/m3

Maximum UNMITIGATED Hourly TSP Concentration				Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Highest Total (ug/m3)		
ASR	Description	X	Y	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
A11	Tsung Yuen Ha	834131	845841	1024	898	520	23.6	22.4	15.5	1091	965	587
TSP Criterion										500	500	500

Maximum MITIGATED Hourly TSP Concentration				Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Highest Total (ug/m3)		
ASR	Description	X	Y	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
A11	Tsung Yuen Ha	834131	845841	265	233	162	23.5	22.3	15.4	332	300	229
TSP Criterion										500	500	500

Maximum UNMITIGATED Daily TSP Concentration				Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Total (ug/m3)		
ASR	Description	X	Y	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
A11	Tsung Yuen Ha	834131	845841	220	202	143	5.4	4.5	2.9	292	274	213
TSP Criterion										260	260	260

Maximum MITIGATED Daily TSP Concentration				Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Total (ug/m3)		
ASR	Description	X	Y	1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
A11	Tsung Yuen Ha	834131	845841	58.7	52.0	33.1	5.4	4.5	2.8	131	123	103
TSP Criterion										260	260	260

## Annex A3(c)

## 0101759 SZ River Phase IV Regulation Works

## Annual Average - 10.5% active areas in all Emission Sources of SZ River

## Cumulative Impacts with LT BCP

Background TSP =

67

ug/m3

## Annual UNMITIGATED TSP Concentration

ASR	Description	X	Y	Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Total (ug/m3)		
				1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
A1	Muk Wu Chuen Yiu	832245	844702	7	7	7	0.2	0.2	0.2	74	74	74
A2	Ta Ku Ling Ling Ying Public School	832701	844180	3	3	3	0.1	0.1	0.1	70	70	70
A3	Chow Tin Tsuen	832971	844096	4	4	4	0.1	0.1	0.1	71	71	71
A4	Fung Wong Wu	833198	844193	6	6	5	0.2	0.2	0.2	73	73	73
A5	Ta Kwu Ling Village	833252	844600	35	24	15	0.8	0.5	0.3	103	92	83
A6	Ta Kwu Ling Police Station	833372	844576	21	18	14	0.9	0.5	0.3	89	86	81
A7	Ta Kwu Ling Fire Station	833434	844564	15	13	11	0.5	0.3	0.3	82	80	78
A8	ArchSD Property Services Branch	833458	844615	17	13	11	0.8	0.3	0.3	85	81	78
A9	Kan Tau Wai	833460	844433	8	9	8	0.3	0.3	0.2	76	76	75
A10	Kaw Lui Village	833402	844726	29	25	18	0.6	0.5	0.3	97	92	85
A11	Tsung Yuen Ha	834131	845841	9	9	8	0.3	0.3	0.2	77	77	76
A12	Chuk Yuen Tsuen Resite	833915	844871	8	8	7	0.3	0.3	0.3	75	75	75
A13	Proposed Future Recreational Use	833558	844959	28	27	22	0.9	0.8	0.5	96	95	89
A14	Kan Tau Wai Village House	833917	844887	8	8	7	0.3	0.3	0.3	75	75	75
<b>TSP Criterion</b>										80	80	80

## Annual MITIGATED TSP Concentration

ASR	Description	X	Y	Daytime Concentration (ug/m3)			Night-time Concentration (ug/m3)			Total (ug/m3)		
				1.5m	5m	10m	1.5m	5m	10m	1.5m	5m	10m
A1	Muk Wu Chuen Yiu	832245	844702	0.9	0.9	0.9	0.2	0.2	0.2	68	68	68
A2	Ta Ku Ling Ling Ying Public School	832701	844180	0.4	0.4	0.4	0.1	0.1	0.1	67	67	67
A3	Chow Tin Tsuen	832971	844096	0.5	0.6	0.5	0.1	0.1	0.1	68	68	68
A4	Fung Wong Wu	833198	844193	0.8	0.8	0.8	0.1	0.1	0.1	68	68	68
A5	Ta Kwu Ling Village	833252	844600	4.6	3.4	2.3	0.7	0.4	0.2	72	71	70
A6	Ta Kwu Ling Police Station	833372	844576	4.4	3.4	2.4	0.8	0.4	0.2	72	71	70
A7	Ta Kwu Ling Fire Station	833434	844564	4.4	2.7	1.9	0.5	0.3	0.2	72	70	69
A8	ArchSD Property Services Branch	833458	844615	6.9	3.0	2.0	0.8	0.3	0.2	75	70	69
A9	Kan Tau Wai	833460	844433	1.6	1.6	1.4	0.2	0.2	0.2	69	69	69
A10	Kaw Lui Village	833402	844726	4.4	3.9	2.9	0.6	0.5	0.3	72	71	70
A11	Tsung Yuen Ha	834131	845841	2.1	2.1	1.9	0.3	0.2	0.2	69	69	69
A12	Chuk Yuen Tsuen Resite	833915	844871	2.4	2.4	2.1	0.3	0.3	0.3	70	70	69
A13	Proposed Future Recreational Use	833558	844959	5.2	4.9	3.9	0.9	0.8	0.5	73	73	71
A14	Kan Tau Wai Village House	833917	844887	2.4	2.4	2.0	0.3	0.3	0.3	70	70	69
<b>TSP Criterion</b>										80	80	80