

Project Profile - Fill Bank at Tuen Mun Area 38  
Fugitive Dust Impact Assessment

Scenario 1 & 2: Concurrent Operation & Decommissioning of Fill Bank (with/without construction of Recovery Park Phase 1)

ID	Source	Detailed Emission Source	Source Type	Operation phase activity/ Decommissioning phase activity/ Not Applicable (O/D/NA)	Location	X	Y	Truckload			Peak Emission Rate	Normal Emission Rate	Non-Peak Emission Rate	Unit	Note									
								Peak Hourly	Normal Hourly	Non-Peak Hourly														
1	Fill Bank	Wind Erosion	Area	NA	A1		Please refer to figure		NA			8.080E-07	8.080E-07	8.080E-07	g/m <sup>2</sup> /s	a								
2	Fill Bank	Material Handling - loading/unloading	Area	O	SP1		Please refer to figure	45.0	45.0	45.0		1.788E-06	1.788E-06	1.788E-06	g/m <sup>2</sup> /s	b								
3	Fill Bank	Material Handling - loading/unloading	Area	O	SP2		Please refer to figure	45.0	45.0	45.0		1.788E-06	1.788E-06	1.788E-06	g/m <sup>2</sup> /s	b								
4	Fill Bank	Material Handling - loading/unloading	Area	O	SP3		Please refer to figure	45.0	45.0	45.0		1.788E-06	1.788E-06	1.788E-06	g/m <sup>2</sup> /s	b								
5	Fill Bank	Material Handling - loading/unloading	Area	O	SP4		Please refer to figure	45.0	45.0	45.0		1.788E-06	1.788E-06	1.788E-06	g/m <sup>2</sup> /s	b								
6	Fill Bank	Material Handling - loading/unloading	Area	O	SP5		Please refer to figure	45.0	45.0	45.0		1.788E-06	1.788E-06	1.788E-06	g/m <sup>2</sup> /s	b								
7	Fill Bank	Material Handling - loading/unloading	Area	O	SP6		Please refer to figure	45.0	45.0	45.0		1.788E-06	1.788E-06	1.788E-06	g/m <sup>2</sup> /s	b								
8	Fill Bank	Material Handling - loadout of Materials	Area	D	DG1		Please refer to figure	12.6	12.6	12.6		5.025E-07	5.025E-07	5.025E-07	g/m <sup>2</sup> /s	b								
9	Fill Bank	Material Handling - loadout of Materials	Area	D	DG2		Please refer to figure	12.6	12.6	12.6		5.025E-07	5.025E-07	5.025E-07	g/m <sup>2</sup> /s	b								
10	Fill Bank	Material Handling - loadout of Materials	Area	D	DG3		Please refer to figure	12.6	12.6	12.6		5.025E-07	5.025E-07	5.025E-07	g/m <sup>2</sup> /s	b								
11	Fill Bank	Material Handling - loadout of Materials	Area	D	DG4		Please refer to figure	12.6	12.6	12.6		5.025E-07	5.025E-07	5.025E-07	g/m <sup>2</sup> /s	b								
12	Fill Bank	Material Handling - loadout of Materials	Area	D	DG5		Please refer to figure	12.6	12.6	12.6		5.025E-07	5.025E-07	5.025E-07	g/m <sup>2</sup> /s	b								
13	Fill Bank	Material Handling - loadout of Materials	Area	D	DG6		Please refer to figure	12.6	12.6	12.6		5.025E-07	5.025E-07	5.025E-07	g/m <sup>2</sup> /s	b								
14	Fill Bank	Material Handling - loading/unloading	Point	O	BP1	810728	825088	42.1	42.1	42.1		0.0167	0.0167	0.0167	g/s	b								
15	Fill Bank	Material Handling - loading/unloading	Point	O	BP2	810786	825045	42.1	42.1	42.1		0.0167	0.0167	0.0167	g/s	b								
16	Fill Bank	Material Handling - loading/unloading	Point	O	BP3	810844	825003	42.1	42.1	42.1		0.0167	0.0167	0.0167	g/s	b								
17	Fill Bank	Material Handling - loading/unloading	Point	O	BP4	810903	824960	42.1	42.1	42.1		0.0167	0.0167	0.0167	g/s	b								
18	C&DMRF	Wind Erosion	Area	O	A2		Please refer to figure		NA			8.080E-07	8.080E-07	8.080E-07	g/m <sup>2</sup> /s	a								
19	C&DMRF	Oversized material crushing	Point	O	RF1	810933	825461	20.2	20.2	20.2		0.00212	0.00212	0.00212	g/s	c								
20	C&DMRF	Screening	Point	O	RF1	810933	825461	20.2	20.2	20.2		0.0967	0.0967	0.0967	g/s	c								
21	C&DMRF	Material Handling - mixing	Point	O	RF1	810933	825461	10.1	10.1	10.1		0.00402	0.00402	0.00402	g/s	b								
22	C&DMRF	Material Handling - loading/unloading (2 opns)	Point	O	RF1	810933	825461	20.2	20.2	20.2		0.01807	0.01807	0.01807	g/s	c								
23	PBR2 Sorting Facility	Screening	Point	D	SF2	811089	824957	75.8	75.8	75.8		0.0603	0.0603	0.0603	g/s	b								
24	PBR2 Sorting Facility	Material Handling - loading/unloading (2 opns)	Point	D	SF2	811089	824957	75.8	75.8	75.8		0.0603	0.0603	0.0603	g/s	b								
25	PBR2 Sorting Facility	Material Handling - loading/unloading	Point	D	SFB1	811003	824876	37.9	37.9	37.9		0.0151	0.0151	0.0151	g/s	b								
26	PBR2 Sorting Facility	Material Handling - loading/unloading	Point	D	SFB2	811045	824848	37.9	37.9	37.9		0.0151	0.0151	0.0151	g/s	b								
27	C&DMSF	Oversized material crushing	Point	NA	SF1	811179	824897	7.8	7.8	7.8		0.000819	0.000819	0.000819	g/s	c								
28	C&DMSF	Screening	Point	NA	SF1	811179	824897	7.8	7.8	7.8		0.0373	0.0373	0.0373	g/s	c								
29	C&DMSF	Material Handling - loading/unloading (2 opns)	Point	NA	SF1	811179	824897	7.8	7.8	7.8		0.006205	0.006205	0.006205	g/s	b								
30	PAFF	Wind Erosion	Area	NA	A3		Please refer to figure		NA			8.080E-07	8.080E-07	8.080E-07	g/m <sup>2</sup> /s	a								
31	PAFF	Material Handling - excavation	Point	NA	PF1	810527	825475		NA			0.001082	0.001082	0.001082	g/s	b,d								
32	PAFF	Material Handling - loading/unloading	Point	NA	PF1	810527	825475		NA			0.001082	0.001082	0.001082	g/s	b,d								
33	Recovery Park Phase I (Scenario 1 only)	Wind Erosion	Area	NA	A4		Please refer to figure		NA			8.080E-07	8.080E-07	8.080E-07	g/m <sup>2</sup> /s	a								
34	Recovery Park Phase I (Scenario 1 only)	Material Handling - excavation	Point	NA	RP1	810672	825348		NA			0.00541	0.00541	0.00541	g/s	b,e								
35	Recovery Park Phase I (Scenario 1 only)	Material Handling - loading/unloading	Point	NA	RP1	810672	825348		NA			0.00541	0.00541	0.00541	g/s	b,e								
ID	Source	Detailed Emission Source	Source Type	Operation phase activity/ Decommissioning phase activity/ Not Applicable (O/D/NA)	Location	X	Y	Peak Hourly Truckload			Normal Hourly Truckload			Non-Peak Hourly Truckload			Peak Emission Rate	Normal Emission Rate	Non-Peak Emission Rate	Unit	Note			
								Unladen	Public fill laden	Mixed material laden	Waste laden	Unladen	Public fill laden	Mixed material laden	Waste laden	Unladen						Public fill laden	Mixed material laden	Waste laden
36	Fill Bank	Road Emission (A)+(B)+(D)+(E)+(G)	Line	O	R1		Please refer to figure	182.4	186.1	11.1	5.2	132.2	118.2	7.8	5.2	79.6	70.1	4.3	5.2	0.00228	0.00165	0.00099	g/m/s	f
37-39	Fill Bank	Road Emission (C)+(D)+(E)+(G)	Line	O	R2+ R3+ R4		Please refer to figure	168.6	168.6			121.7	121.7			72.6	72.6			0.00214	0.00155	0.00092	g/m/s	f
40-42	Fill Bank	Road Emission (D)+(E)+(F)	Line	O	R5+ R6+ R7		Please refer to figure	49.1	49.1			40.4	40.4			31.3	31.3			0.000624	0.000513	0.000398	g/m/s	f
43-44	Fill Bank	Road Emission (H)	Line	O	R8+R9		Please refer to figure	168.2	168.2			168.2	168.2			168.2	168.2			0.00214	0.00214	0.00214	g/m/s	f
45-47	Fill Bank	Road Emission (A)+(B)+(C)	Line	NA	R11+R12		Please refer to figure	18.8	2.5	11.1	5.2	15.5	2.5	7.8	5.2	12.0	2.5	4.3	5.2	0.000202	0.000167	0.000128	g/m/s	f
48	Fill Bank	Road Emission (I)	Line	D	R10		Please refer to figure	75.8	75.8			75.8	75.8			75.8	75.8			0.000963	0.000963	0.000963	g/m/s	f
49	Fill Bank	Road Emission (C)+(F)+(G)	Line	O	R13b		Please refer to figure	139.7	139.7			101.5	101.5			61.5	61.5			0.00596	0.00433	0.00262	g/m/s	g
50-54	Fill Bank	Road Emission (H)+(I)	Line	O/D	R14b		Please refer to figure	244.0	244.0			244.0	244.0			244.0	244.0			0.01040	0.01040	0.01040	g/m/s	g
55-59	Fill Bank	Road Emission ((C)+(F)+(G)) <sup>1/6</sup>	Line	O	R15b - R19b		Please refer to figure	23.3	23.3			16.9	16.9			10.3	10.3			0.00099	0.00072	0.00044	g/m/s	g
60	PAFF	Unpaved Road Emission	Line	NA	R20b - R24b		Please refer to figure	40.7	40.7			40.7	40.7			40.7	40.7			0.00173	0.00173	0.00173	g/m/s	g
61	Recovery Park Phase I (Scenario 1 only)	Unpaved Road Emission	Line	NA	R25		Please refer to figure	2.7	2.7			2.7	2.7			2.7	2.7			0.000116	0.000116	0.000116	g/m/s	d,g
					R26		Please refer to figure	13.6	13.6			13.6	13.6			13.6	13.6			0.000580	0.000580	0.000580	g/m/s	e,g