Works Area	Sources		Parameter		Remarks
West Kowloon	Heavy construction	Percentage active area, p	100		Assume 100% works area for heavy construction
Cultural District	Source ID: TE1-TE9, Te1- Te7, EB1-EB5	Mitigation efficiency No. of working days per month, d No. of working hours per day, h		% days hour	Water suppression 12 times a day
		Emission Factor Emission Rate	2.69 0.000239494	Mg/hectare/month of activity g/m²/s (unmitigated) g/m²/s (mitigated)	AP42, Section 13.2.3.3 =2.69*1000000/(10000*d*h*60*60)*p/100
		Percentage active area, p Emission Factor Emission Rate	100 0.85 2.69533E-06	Mg/hectare/year	AP42, Table 11.9-4 =0.85*1000000/(10000*365*24*60*60)*p/100
West Kowloon Cultural District Barging Point	Haul road to barging points	Particle size multiplier, k Road surface silt loading, sL		g/VKT g/m2	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed. Mean Silt Loading of Quarry, AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
(Construction Site)					Uncontrolled total loading range from 4.2+1.9g/m2, for a mixture of sand and native soil, to 11.0+3.8g/m2 for native soil alone, Page 10 of Improved Activity Levels for National Emission Inventories of Fugitive Dust from Paved and Unpaved Roads. Average weigh of the vehicles traveling the road, extracted from SP
		Average truck weight, W	16	tons	License
		TSP emission factor, E	370.7	g/VKT	E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
		No. of truck trips per day			Extracted from SP License of Express Rail Link (Appendix C)
				veh/day veh/day	For road HR7A-C For road HR8A-B
				veh/day	For road HR9
				veh/day	For road HR10A-C
				veh/day	For road HR11
			360	veh/day	For road HR12A
		No. of operation hour	12	hr	From 7:00 to 19:00, extracted from SP License of Express Rail Link (Appendix C)
	Source ID:	% of dust suppression Emission Rate	97.5	%	Extracted from SP License of Express Rail Link (Appendix C)
	HR7A3, HR7B, HR7C1		4.75E-14	g/m/s (mitigated)	No. of truck per day: 900, extracted from SP License of Express Rail Link (Appendix C)
	HR8A-B HR9			g/m/s (mitigated)	No. of truck per day: 1800, extracted from SP License of Express Rail Link (Appendix C) No. of truck per day: 1440, extracted from SP License of Express
	HR10A-C			g/m/s (mitigated)	Rail Link (Appendix C) No. of truck per day: 1080, extracted from SP License of Express
	HR11			g/m/s (mitigated) g/m/s (mitigated)	Rail Link (Appendix C) No. of truck per day: 720, extracted from SP License of Express
			3.00L-14	g/m/s (miligated)	Rail Link (Appendix C)
	HR12A		1.90E-14	g/m/s (mitigated)	No. of truck per day: 360, extracted from SP License of Express Rail Link (Appendix C)
West Kowloon Cultural District Barging Point	Unloading of spoils to barge Source ID: BP4-7		4.27E-03	g/s (mitigated)	Extract from EIA report of Express Rail Link (Appendix 12.1 p.3), assume 12 hours of operation
West Kowloon Cultural District	Paved haul road outside concrete				All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C).
Concrete Batching	batching plant -	Particle size multiplier, k	3.23	g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Plant (Construction		Road surface silt loading, sL		g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Site)	For Laden Vehicle	Average truck weight, W		tons	Full loading of Aggregate Tipper Truck
				tons tons	Full loading of Cement Tanker Full loading of Concrete Mixer
		TSP emission factor, E	30.6	toris	E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
		, _	1199	g/VKT	Aggregate Tpper Truck
				g/VKT	Cement Tanker
			1022	g/VKT	Concrete Mixer
		No. of operation hour	12	hr	From 7:00-19:00
	Source ID:	% of dust suppression Sum of Emission Rate	97.5	%	Sum of emission rate of aggregate tipper truck, cement tanker and
	EP11		1 63E-04	g/m/s (mitigated)	concrete mixer. No. of vehicle of aggregate tipper truck, cement tanker and
	EP12			g/m/s (mitigated) g/m/s (mitigated)	concrete mixer are 12, 2, and 6 veh/hr respectively. No. of vehicle of aggregate tipper truck, cement tanker and
	EP13			g/m/s (mitigated)	concrete mixer are 12, 0, and 6 veh/hr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 6 veh/hr respectively.
West Kowloon	Paved haul road				All calculations and assumptions are extracted from SP
Cultural District	outside concrete	Portiale size resultialization	0.00	aAWT	License of Express Rail Link (Appendix C).
Concrete Batching Plant (Construction	batching plant -	Particle size multiplier, k Road surface silt loading, sL		g/VKT g/m2	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed. AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Site)	For Laden Vehicle	Average truck weight, W		tons	Full loading of Aggregate Tipper Truck
				tons	Full loading of Cement Tanker
		TSP emission factor, E	30.8	tons	Full loading of Concrete Mixer E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
		TO GITTESTOTT IACIOT, L	1199	g/VKT	Aggregate Tpper Truck
			1505	g/VKT	Cement Tanker
		No. of an east of		g/VKT	Concrete Mixer
	Source ID:	No. of operation hour % of dust suppression Sum of Emission Rate	12 99.0		From 7:00-19:00 Sum of emission rate of aggregate tipper truck, cement tanker and
	Source ID.	Juni of Liffsoluli Rate			concrete mixer.
	EP14		8 36E-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
	EP15		o.აზE-Ub	g/m/s (mingateu)	concrete mixer are 0, 2, and 0 veh/hr respectively.
	EP15 EP16			g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0, and 0 veh/hr respectively. No. of vehicle of aggregate tipper truck, cement tanker and
	EP17			g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 0, and 6 veh/hr respectively. No. of vehicle of aggregate tipper truck, cement tanker and
	L. 17		8.52E-06	g/m/s (mitigated)	concrete mixer are 0, 0, and 3 veh/hr respectively.

Works Area	Sources		Parameter		Remarks
West Kowloon	Paved haul road				All calculations and assumptions are extracted from SP
Cultural District	outside concrete				License of Express Rail Link (Appendix C).
Concrete Batching	batching plant -	Particle size multiplier, k		g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Plant (Construction Site)	For Unladen Vehicle	Road surface silt loading, sL		g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Oite)	TO Offiadell Verlicie	Average truck weight, W		tons tons	Unladen weight of Aggregate Tipper Truck Unladen weight of Cement Tanker
				tons	Unladen weight of Concrete Mixer
		TSP emission factor, E			E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
			457	g/VKT	Aggregate Tpper Truck
			491	g/VKT	Cement Tanker
			391	g/VKT	Concrete Mixer
		No. of operation hour		hr	From 7:00-19:00
	0 15	% of dust suppression	97.5	%	
	Source ID:	Sum of Emission Rate			Sum of emission rate of aggregate tipper truck, cement tanker and concrete mixer.
	EP18		6.12E-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 2, and 6 veh/hr respectively.
	EP19		5.44E-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
	EP20		2.31E-05	g/m/s (mitigated)	concrete mixer are 12, 0, and 6 veh/hr respectively. No. of vehicle of aggregate tipper truck, cement tanker and
West Kowloon	Payod haul road			, , ,	concrete mixer are 0, 2, and 6 veh/hr respectively.
Cultural District	Paved haul road within concrete				All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C).
Concrete Batching	batching plant -	Particle size multiplier, k	3.23	g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Plant (Construction		Road surface silt loading, sL	12	g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Site)	For Unladen Vehicle	Average truck weight, W		tons	Unladen weight of Aggregate Tipper Truck
				tons	Unladen weight of Cement Tanker
		TCD aminaian factor. F	12	tons	Unladen weight of Concrete Mixer
		TSP emission factor, E	457	g/VKT	E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
				g/VKT	Aggregate Tpper Truck Cement Tanker
				g/VKT	Concrete Mixer
		No. of operation hour		hr	From 7:00-19:00
		% of dust suppression	99.0		1101117.00-19.00
	Source ID:	Sum of Emission Rate	33.0	76	Sum of emission rate of aggregate tipper truck, cement tanker and
					concrete mixer.
	EP21				No. of vehicle of aggregate tipper truck, cement tanker and
			2.73E-06	g/m/s (mitigated)	concrete mixer are 0, 2, and 0 veh/hr respectively.
	EP22		1 52F-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
	EDOO			g,,o (gatoa)	concrete mixer are 12, 0, and 0 veh/hr respectively.
	EP23		3.26E-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 0, and 3 veh/hr respectively.
West Kowloon	Unloading aggregate	Consumption Rate	272000	kg/h	
Cultural District	Source ID: EP9-	· ·		Mg/h	Extracted from SP License of Express Rail Link (Appendix C).
Concrete Batching	EP10	Particle size multiplier, k	0.74		For TSP, AP-42, section 13.2.4, 11/06 ed.
Plant (Unloading of raw materials)		Moisture content, M	2	%	Extracted from Specified Processes License (checked on 13 Jan
raw materials)		·			2012)
		Mean wind speed, U	3.5	m/s	PATH year 2010 mean wind speed
		Emission Factor, E	0.002165163	kg/Mg	E=k x (0.0016) x ((U/2.2)^1.3/(M/2)^1.4) (AP-42, section 13.2.4, 11/06 ed.)
			0.588924442	kg/hr	
		Mitigation officions:			Extracted from Specified Processes License (checked on 13 Jan
1		Mitigation efficiency		%	2012)
WestKeele	Consult Community	Emission Rate		g/s (mitigated)	
West Kowloon Cultural District	Small Cementitious Material Silos	TSP emission factor Dust extraction flow rate for each		mg/m3	All calculations and assumptions are extracted from SP
Concrete Batching		mixer		m3/hr	License of Express Rail Link (Appendix C).
Plant (Cement / PFA Silos)		No. of operation hour No. of small cement silos	12	hr	From 7:00 to 19:00
			4		EDE ON EDO EDO OO
1		Emission height	21 or 22		EP5: 21m, EP6-EP8: 22m
1	PFA weight Hopper	Emission Rate Production rate		g/s (mitigated) m3/hr	All calculations and assumptions are extracted from SP
	Source ID: EP3-EP4	Density	0.001989		License of Express Rail Link (Appendix C).
1		Emission Factor			Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1,
1			2.60E-03	kg/Mg	6/06 ed.
		Emission Rate		g/s (mitigated)	
West Kowloon	Mixer Source ID:	TSP emission factor	40	mg/m3	All calculations and assumptions are extracted from SP
Cultural District	EP1-EP2	Dust extraction flow rate for each	1500	m3/hr	License of Express Rail Link (Appendix C).
Concrete Batching Plant (Mixing Tower)		mixer No. of operation hour		hr	From 7:00 to 19:00
ant (winning rower)		No. of small cement silos	2		Extracted from Specified Processes License (checked on 13 Jan
1		Emission height	13		2012)
		Emission Rate	1.67E-02	g/s (mitigated)	

Appendix 3.2 - Details of Dust Emission Sources for 1-hour and Daily TSP Assessment (Tier 2)

Concurrent Projects - at Year 2015

Description	Sources	Parameter	Emission Rate	Remarks
West Kowloon	Heavy construction		2.99368E-05 g/m²/s (mitigated)	Extract from PER report of Scheme HIJ and Junction
Highway Scheme HIJ	Source ID: AA9-12			JRD/FST/CRD (Appendix 3.2), assume 100% active area
	Wind Erosion		2.69533E-06 g/m²/s	Extract from PER report of Scheme HIJ and Junction
	Source ID: AA9-12			JRD/FST/CRD (Appendix 3.2), assume 100% active area
	Heavy construction Source ID: FF1-FF9	1	2.99368E-05 g/m²/s (mitigated)	Extract from PER report of Scheme Q (Appendix 3.2), assume 100% active area
	Wind Erosion Source ID: FF1-FF9		2.69533E-06 g/m²/s	Extract from PER report of Scheme Q (Appendix 3.2), assume 100% active area

Works Area	Sources		Parameter		Remarks
West Kowloon Cultural District	Heavy construction Source ID: TF1-	Percentage active area, p Mitigation efficiency	100 91.7		Assume 100% works area for heavy construction Water suppression 12 times a day
Cultural District	TF16, Tf1-Tf6, FB1-	No. of working days per month, d	26	days	Water suppression 12 times a day
	FB5	No. of working hours per day, h Emission Factor		hour Mg/hectare/month of activity	AP42. Section 13.2.3.3
		Emission Rate	0.000239494	g/m²/s (unmitigated)	=2.69*1000000/(10000*d*h*60*60)*p/100
			1.9878E-05	g/m²/s (mitigated)	
	Wind Erosion	Percentage active area, p	100		
	Source ID: TF1- TF16, Tf1-Tf6, FB1-	Emission Factor Emission Rate	0.85 2.69533E-06	Mg/hectare/year g/m²/s	AP42, Table 11.9-4 =0.85*1000000/(10000*365*24*60*60)*p/100
	FB5				, , , , , , , , , , , , , , , , , , ,
West Kowloon Cultural District	Haul road to barging points	Particle size multiplier, k Road surface silt loading, sL		g/VKT g/m2	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed. Mean Silt Loading of Quarry, AP-42, Section 13.2.1, Table 13.2.1-
Barging Point					3, 01/11 ed.
(Construction Site)					Uncontrolled total loading range from 4.2+1.9g/m2, for a mixture of sand and native soil, to 11.0+3.8g/m2 for native soil alone, Page
					10 of Improved Activity Levels for National Emission Inventories of Fugitive Dust from Paved and Unpaved Roads.
		Average truck weight, W	16	tons	Average weigh of the vehicles traveling the road, extracted from
		TSP emission factor, E		g/VKT	SP License E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
		No. of truck trips per day	370.7	g/ VICT	Extracted from SP License of Express Rail Link (Appendix C)
				veh/day veh/day	For road HR7A-C For road HR8A-B
			1440	veh/day	For road HR9
				veh/day veh/day	For road HR10A-C For road HR11
				veh/day	For road HR12A
		No. of operation hour	12	hr	From 7:00 to 19:00, extracted from SP License of Express Rail Link (Appendix C)
	0 10	% of dust suppression	97.5	%	Extracted from SP License of Express Rail Link (Appendix C)
	Source ID: HR7A-C	Emission Rate	4.755.44		No. of truck per day: 900, extracted from SP License of Express
	LIDOA D		4./5E-14	g/m/s (mitigated)	Rail Link (Appendix C)
	HR8A-B		9.49E-14	g/m/s (mitigated)	No. of truck per day: 1800, extracted from SP License of Express Rail Link (Appendix C)
	HR9		7.59E-14	g/m/s (mitigated)	No. of truck per day: 1440, extracted from SP License of Express Rail Link (Appendix C)
	HR10A-C		5 70E 14	g/m/s (mitigated)	No. of truck per day: 1080, extracted from SP License of Express
	HR11		3.70L-14	g/III/S (IIIItigated)	Rail Link (Appendix C) No. of truck per day: 720, extracted from SP License of Express
			3.80E-14	g/m/s (mitigated)	Rail Link (Appendix C)
	HR12A		1.90E-14	g/m/s (mitigated)	No. of truck per day: 360, extracted from SP License of Express Rail Link (Appendix C)
M 112 1			4.075.00	1 (22) B	, , ,
West Kowloon Cultural District	Unloading of spoils to barge		4.27E-03	g/s (mitigated)	Extract from SP License of Express Rail Link (Appendix C), assume 12 hours of operation
Barging Point	Source ID: BP4-7				·
West Kowloon Cultural District	Paved haul road outside concrete				All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C).
Terminus Concrete	batching plant -	Particle size multiplier, k	3.23	g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Batching Plant (Construction Site)	For Laden Vehicle	Road surface silt loading, sL		g/m2 tons	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
(Gorioli dollori Gito)	or Eaden Vernoie	Average truck weight, W		tons	Full loading of Aggregate Tipper Truck Full loading of Cement Tanker
		No. of tweels twing you does		tons veh/hr	Full loading of Concrete Mixer Aggregate Tpper Truck
		No. of truck trips per day	2		Cement Tanker
			6	veh/hr	Concrete Mixer
		No. of operation hour % of dust suppression	12 97.5		From 7:00-19:00
	Source ID:	Sum of Emission Rate	97.5	70	Sum of emission rate of aggregate tipper truck, cement tanker and
	EP11				concrete mixer. No. of vehicle of aggregate tipper truck, cement tanker and
			1.63E-04	g/m/s (mitigated)	concrete mixer are 12, 2, and 6 veh/hr respectively.
	EP12		1.42E-04	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0, and 6 veh/hr respectively.
	EP13		6.35E-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
West Kowloon	Paved haul road			· · · · · · · · · · · · · · · · · · ·	concrete mixer are 0, 2, and 6 veh/hr respectively. All calculations and assumptions are extracted from SP
Cultural District Terminus Concrete	outside concrete	Particle size multiplier, k	2 00	g/VKT	License of Express Rail Link (Appendix C). AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Batching Plant	batching plant -	Road surface silt loading, sL	12	g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
(Construction Site)	For Laden Vehicle	Average truck weight, W		tons tons	Full loading of Aggregate Tipper Truck Full loading of Cement Tanker
				tons	Full loading of Concrete Mixer
		TSP emission factor, E	1100	g/VKT	E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.) Aggregate Tpper Truck
			1505	g/VKT	Cement Tanker
		No. of operation hour		g/VKT hr	Concrete Mixer From 7:00-19:00
		% of dust suppression	99.0		
	Source ID:	Sum of Emission Rate			Sum of emission rate of aggregate tipper truck, cement tanker and concrete mixer.
	EP14		8.36E-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
	EP15			, , ,	concrete mixer are 0, 2, and 0 veh/hr respectively. No. of vehicle of aggregate tipper truck, cement tanker and
			4.∪0 E -05	g/m/s (mitigated)	concrete mixer are 12, 0, and 0 veh/hr respectively.
	EP16		1.70E-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 0, and 6 veh/hr respectively.
	EP17		8.52E-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
	j	1		<u>'</u>	concrete mixer are 0, 0, and 3 veh/hr respectively.

Works Area	Sources		Parameter		Remarks
West Kowloon	Paved haul road	_	· aramoto.	l	All calculations and assumptions are extracted from SP
Cultural District	outside concrete				License of Express Rail Link (Appendix C).
	batching plant -	Particle size multiplier, k	3.23	g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Plant (Construction	- a	Road surface silt loading, sL		g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Site)	For Unladen Vehicle	Average truck weight, W		tons	Unladen weight of Aggregate Tipper Truck
,		and the state of t		tons	Unladen weight of Cement Tanker
				tons	Unladen weight of Concrete Mixer
		TSP emission factor, E			E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
		ŕ	457	g/VKT	Aggregate Tpper Truck
				g/VKT	Cement Tanker
				g/VKT	Concrete Mixer
		No. of aparation hour		hr	From 7:00-19:00
		No. of operation hour			From 7:00-19:00
	O ID-	% of dust suppression	97.5	%	
	Source ID:	Sum of Emission Rate			Sum of emission rate of aggregate tipper truck, cement tanker and
					concrete mixer.
	EP18		6 12E 05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
			6.12E-03	g/III/S (IIIItigated)	concrete mixer are 12, 2, and 6 veh/hr respectively.
	EP19		5.44E.05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
			J.44L-03	g/III/s (IIIItigated)	concrete mixer are 12, 0, and 6 veh/hr respectively.
	EP20		2.31F-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
			Z.51L-03	g/III/3 (IIIIIgateu)	concrete mixer are 0, 2, and 6 veh/hr respectively.
West Kowloon	Paved haul road				All calculations and assumptions are extracted from SP
Cultural District	within concrete				License of Express Rail Link (Appendix C).
	batching plant -	Particle size multiplier, k		g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Plant (Construction		Road surface silt loading, sL	12	g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Site)	For Unladen Vehicle	Average truck weight, W	14	tons	Unladen weight of Aggregate Tipper Truck
			15	tons	Unladen weight of Cement Tanker
			12	tons	Unladen weight of Concrete Mixer
		TSP emission factor, E			E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
			457	g/VKT	Aggregate Tpper Truck
			491	g/VKT	Cement Tanker
				g/VKT	Concrete Mixer
		No. of operation hour		hr	From 7:00-19:00
		% of dust suppression	99.0		1101117.00 10.00
	Source ID:	Sum of Emission Rate	99.0	76	
	Source ID.	Sum of Emission Hate			Sum of emission rate of aggregate tipper truck, cement tanker and
					concrete mixer.
	EP21		2 73F-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
			2.702 00	g/m/5 (magated)	concrete mixer are 0, 2, and 0 veh/hr respectively.
	EP22		1 52F-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
			1.022 00	g,,o (gatea)	concrete mixer are 12, 0, and 0 veh/hr respectively.
	EP23		3.26E-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
M+ KI					concrete mixer are 0, 0, and 3 veh/hr respectively.
West Kowloon Cultural District	Unloading aggregate Source ID: EP9-	Consumption Hate	272000	~	Extracted from SP License of Express Rail Link (Appendix C).
Concrete Batching	EP10			Mg/h	, , , , , , , , , , , , , , , , , , , ,
Plant (Unloading of	EFIU	Particle size multiplier, k	0.74		For TSP, AP-42, section 13.2.4, 11/06 ed.
raw materials)		Moisture content, M		%	Extracted from SP License of Express Rail Link (Appendix C).
raw matemais)		Mean wind speed, U	3.5	m/s	PATH Year 2010 mean wind speed
		Emission Factor, E	0.002165163	ka/Ma	E=k x (0.0016) x ((U/2.2)^1.3/(M/2)^1.4)
				* *	(AP-42, section 13.2.4, 11/06 ed.)
			0.588924442	•	
		Mitigation efficiency		%	Extracted from SP License of Express Rail Link (Appendix C).
		Emission Rate		g/s (mitigated)	
West Kowloon	Small Cementitious	TSP emission factor	30	mg/m3	All calculations and assumptions are extracted from SP
	Material Silos	Dust extraction flow rate for each	1300	m3/hr	License of Express Rail Link (Appendix C).
	Source ID: EP5-EP8	mixer			, , , , , ,
Plant (Cement / PFA		No. of operation hour	12	hr	From 7:00 to 19:00
Silos)		No. of small cement silos	4		
			_		
		Emission height	21 or 22		EP5: 21m, EP6-EP8: 22m
		Emission Rate		g/s (mitigated)	
	PFA weight Hopper	Production rate		m3/hr	All calculations and assumptions are extracted from SP
	Source ID: EP3-EP4	Density	0.001989	mg/m3	License of Express Rail Link (Appendix C).
		Emission Factor	2 60 5 02	ka/Ma	Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1,
			2.60E-03	kg/ivig	6/06 ed.
		Emission Rate	2.30E-04	g/s (mitigated)	
West Kowloon	Mixer Source ID:	TSP emission factor	40	mg/m3	All calculations and assumptions are extracted from SP
Cultural District	EP1-EP2	Dust extraction flow rate for each		m3/hr	License of Express Rail Link (Appendix C).
Concrete Batching		No. of operation hour		hr	From 7:00 to 19:00
Plant (Mixing Tower)		No. of small cement silos	2		
		Emission height	13		
		Emission Rate	1.67E-02	g/s (mitigated)	

Appendix 3.2 - Details of Dust Emission Sources for 1-hour and Daily TSP Assessment (Tier 2) at Year 2017

West Kowloon Cultural District Heavy construction Source ID: TH1- TH7, Th1 - Th9, HB1-HB5 No. of working days per month, d No. of working hours per day, h Emission Rate No. of working hours per day, h Emission Rate Wind Erosion Source ID: TH1- TH7, Th1 - Th9, TH7, T	p/100
TH7, Th1 - Th9,	
HB1-HB5	
Emission Factor 2.69 Mg/hectare/month of activity AP42, Section 13.2.3.3 =2.69*100000/(10000*d*h*60*60)*p	
Emission Rate 0.000239494 g/m²/s (unmitigated) 1.9878E-05 g/m²/s (mitigated) =2.69*1000000/(10000*d*h*60*60)*p	
1.9878E-05 g/m²/s (mitigated)	
Wind Erosion Percentage active area, p 100 % Source ID: TH1- Emission Factor 0.85 Mg/hectare/year AP42, Table 11.9-4 = 0.85*100000/(10000*365*24*60*6	30)*p/100
Source ID: TH1-	30)*p/100
Source ID: TH1- Emission Factor 0.85 Mg/hectare/year AP42, Table 11.9-4 = 0.85*100000/(10000*365*24*60*6	30)*p/100
TH7, Th1 - Th9, Emission Rate 2.69533E-06 g/m²/s = 0.85*1000000/(10000*365*24*60*6	60)*p/100
HB1-HB5	
West Kowloon Paved haul road All calculations and assumptions	
Cultural District outside concrete License of Express Rail Link (App	
Concrete Batching batching plant - Particle size multiplier, k 3.23 g/VKT AP-42, Section 13.2.1, Table 13.2.1	,
Plant (Construction Road surface silt loading, sL 12 g/m2 AP-42, Section 13.2.1, Table 13.2.1	-3, 01/11 ed.
Site) For Laden Vehicle Average truck weight, W 36 tons Full loading of Aggregate Tipper Tru	uck
45 tons Full loading of Cement Tanker	
30.8 tons Full loading of Concrete Mixer	
No. of truck trips per day 12 veh/hr Aggregate Tpper Truck	
2 veh/hr Cement Tanker	
6 veh/hr Concrete Mixer	
No. of operation hour 12 hr From 7:00-19:00	
% of dust suppression 97.5 %	
Source ID: Sum of Emission Rate Sum of emission rate of aggregate ti	ipper truck, cement tanker and
concrete mixer.	
CBH1-CBH4 No. of vehicle of aggregate tipper tru	uck, cement tanker and
1.63E-04 g/m/s (mitigated) 100 reconcrete mixer are 12, 2, and 6 veh/	/hr respectively.
West Kowloon Paved haul road All calculations and assumptions	are extracted from SP
Terminus Concrete outside concrete License of Express Rail Link (App	
Batching Plant batching plant - Particle size multiplier, k 3.23 g/VKT AP-42, Section 13.2.1, Table 13.2.1	
Road surface silt loading, sL 12 g/m2 AP-42, Section 13.2.1, Table 13.2.1	
For Laden Vehicle	ıck
45 tons Full loading of Cement Tanker	
30.8 tons Full loading of Concrete Mixer	
TSP emission factor, E	section 13.2.1, 01/11 ed.)
1199 g/VKT Aggregate Tpper Truck	
1505 g/VKT Cement Tanker 1022 g/VKT Concrete Mixer	
No. of truck trips per day 0 veh/hr Aggregate Tpper Truck 2 veh/hr Cement Tanker	
2 ven/m Centent attent 0 veh/hr Concrete Mixer	
No. of operation hour 12 hr From 7:00-19:00	
% of dust suppression 99.0%	
Emission Rate 0.00E+00[g/m/s (mitigated) Aggregate Tipper Truck	
8.36E-06[g/m/s (mitigated) Cement Tanker	
0.00E+00 g/m/s (mitigated) Concrete Mixer	
Source ID: Sum of Emission Rate Sum of emission rate of aggregate ti	ipper truck, cement tanker and
concrete mixer.	
EP14 No. of vehicle of aggregate tipper tru	uck, cement tanker and
8.36E-06 g/m/s (mitigated) concrete mixer are 0, 2, and 0 veh/h	
EP15 A 00E 0E a/m/a (mitigated) No. of vehicle of aggregate tipper tru	uck, cement tanker and
4.00E-05 g/m/s (mitigated) concrete mixer are 12, 0, and 0 veh/	/hr respectively.
EP16 No. of vehicle of aggregate tipper true.	
concrete mixer are 0, 0, and 6 ven/n	
EP17 8.52E-06 g/m/s (mitigated) No. of vehicle of aggregate tipper tru	
concrete mixer are 0, 0, and 3 veh/h	ır respectively.

Works Area	Sources		Parameter		Remarks
West Kowloon	Paved haul road				All calculations and assumptions are extracted from SP
Cultural District	outside concrete				License of Express Rail Link (Appendix C).
	batching plant -	Particle size multiplier, k		g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Plant (Construction Site)	For Unladen Vehicle	Road surface silt loading, sL Average truck weight, W		g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Gito)	or ornadorr vernore	Average truck weight, w		tons tons	Unladen weight of Aggregate Tipper Truck Unladen weight of Cement Tanker
				tons	Unladen weight of Concrete Mixer
		TSP emission factor, E			E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
			457	g/VKT	Aggregate Tpper Truck
				g/VKT	Cement Tanker
Į.				g/VKT	Concrete Mixer
Į.		No. of operation hour		hr	From 7:00-19:00
	0 10	% of dust suppression	97.5	%	
	Source ID:	Sum of Emission Rate			Sum of emission rate of aggregate tipper truck, cement tanker and
	ODY4 ODY4				concrete mixer.
	CBX1-CBX4		6.12E-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 2, and 6 veh/hr respectively.
West Kowloon	Paved haul road				All calculations and assumptions are extracted from SP
Terminus Concrete	within concrete				License of Express Rail Link (Appendix C).
Batching Plant	batching plant -	Particle size multiplier, k		g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Į.	Faul Haladaa Walida	Road surface silt loading, sL		g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Į.	For Unladen Vehicle	Average truck weight, W		tons	Unladen weight of Aggregate Tipper Truck
Į.				tons tons	Unladen weight of Cement Tanker Unladen weight of Concrete Mixer
Į.		TSP emission factor, E	12	toris	E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
Į.		TOT CHISSION IACION, E	457	g/VKT	Aggregate Tpper Truck
Į.				g/VKT	Cement Tanker
Į.				g/VKT	Concrete Mixer
			001	9, 1111	Extracted from Specified Processes License (checked on 13 Jan
Į.		No. of truck trips per day			2012)
Į.			0	veh/hr	Aggregate Tpper Truck
Į.			2	veh/hr	Cement Tanker
Į.			0	veh/hr	Concrete Mixer
Į.		No. of operation hour	12	hr	From 7:00-19:00
		% of dust suppression	99.0	%	
		Emission Rate	0.00E+00	g/m/s (mitigated)	Aggregate Tipper Truck
Į.			2.73E-06	g/m/s (mitigated)	Cement Tanker
Į.			0.00E+00	g/m/s (mitigated)	Concrete Mixer
	Source ID:	Sum of Emission Rate			Sum of emission rate of aggregate tipper truck, cement tanker and concrete mixer.
	EP21		2.73E-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 veh/hr respectively.
	EP22 EP23		1.52E-05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0, and 0 veh/hr respectively.
	EP23		3.26E-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 0, and 3 veh/hr respectively.
West Kowloon	Unloading aggregate	Consumption Rate	272000	kg/h	Extracted from SP License of Express Rail Link (Appendix C).
Cultural District	Source ID: EP9			Mg/h	Extracted from or Electrical of Express than Elink (Appendix 6).
Concrete Batching Plant (Unloading of		Particle size multiplier, k	0.74		For TSP, AP-42, section 13.2.4, 11/06 ed.
raw materials)		Moisture content, M		%,	Extracted from SP License of Express Rail Link (Appendix C).
,		Mean wind speed, U	3.5	m/s	PATH Year 2010 mean wind speed
		Emission Factor, E	0.002165163	kg/Mg	E=k x (0.0016) x ((U/2.2)^1.3/(M/2)^1.4) (AP-42, section 13.2.4, 11/06 ed.)
,			0.588924442	kg/hr	, , , , , , , , , , , , , , , , , , , ,
		Mitigation efficiency	99	%	Extracted from SP License of Express Rail Link (Appendix C).
		Emission Rate		g/s (mitigated)	
West Kowloon	Small Cementitious	TSP emission factor	30	mg/m3	All calculations and assumptions are extracted from SP
Cultural District Concrete Batching	Material Silos Source ID: EP5-EP8	Dust extraction flow rate for each mixer	1300	m3/hr	License of Express Rail Link (Appendix C).
Plant (Cement / PFA	Source ID. El 3-El 0	No. of operation hour	12	hr	From 7:00 to 19:00
Silos)		No. of small cement silos	4		
			01 == 00		EDE: 01m EDG EDQ: 00m
·		Emission height Emission Rate	21 or 22	g/s (mitigated)	EP5: 21m, EP6-EP8: 22m
·	PFA weight Hopper	Production rate		m3/hr	All calculations and assumptions are extracted from SP
		Density	0.001989		License of Express Rail Link (Appendix C).
		Emission Factor			Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1,
·			2.60E-03	kg/Mg	6/06 ed.
		Emission Rate		g/s (mitigated)	
West Kowloon		TOD : : (:	40	mg/m3	All calculations and assumptions are extracted from SP
	Mixer Source ID:	TSP emission factor			
Cultural District	Mixer Source ID: EP1-EP2	Dust extraction flow rate for each	1500	m3/hr	License of Express Rail Link (Appendix C).
Cultural District Concrete Batching	EP1-EP2	Dust extraction flow rate for each No. of operation hour	1500	m3/hr hr	
Cultural District	EP1-EP2	Dust extraction flow rate for each	1500 12	m3/hr hr	License of Express Rail Link (Appendix C).

Appendix 3.2 - Details of Dust Emission Sources for 1-hour and Daily TSP Assessment (Tier 2) at Year 2018

Works Area	Sources		Parameter		Remarks
West Kowloon	Heavy construction	Percentage active area, p	100	%	Assume 100% works area for heavy construction
Cultural District	Source ID: Ti1-Ti7	Mitigation efficiency	91.7		Water suppression 12 times a day
	IB3-IB5	No. of working days per month, d		days	
		No. of working hours per day, h		hour	
		Emission Factor		Mg/hectare/month of activity	AP42, Section 13.2.3.3
		Emission Rate		g/m²/s (unmitigated)	=2.69*1000000/(10000*d*h*60*60)*p/100
			1.9878E-03	g/m²/s (mitigated)	
	Wind Erosion	Percentage active area, p	100	%	
	Source ID: Ti1-Ti7	Emission Factor	0.85	Mg/hectare/year	AP42, Table 11.9-4
	IB3-IB5	Emission Rate	2.69533E-06	g/m²/s	=0.85*1000000/(10000*365*24*60*60)*p/100
West Kowloon	Paved haul road				All calculations and assumptions are extracted from SP
Cultural District	outside concrete				License of Express Rail Link (Appendix C).
Concrete Batching	batching plant -	Particle size multiplier, k	3.23	g/VKT	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed.
Plant (Construction		Road surface silt loading, sL	12	g/m2	AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
Site)	For Laden Vehicle	Average truck weight, W		tons	Full loading of Aggregate Tipper Truck
				tons	Full loading of Cement Tanker
				tons	Full loading of Concrete Mixer
		No. of truck trips per day	12	veh/hr	Aggregate Tpper Truck
			2	veh/hr	Cement Tanker
			6	veh/hr	Concrete Mixer
		No. of operation hour	12	hr	From 7:00-19:00
		% of dust suppression	97.5	%	
	Source ID:	Sum of Emission Rate			Sum of emission rate of aggregate tipper truck, cement tanker and
					concrete mixer.
	CBH1-CBH4		1 63F-04	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
			1.002 04	g/m/s (magazed)	concrete mixer are 12, 2, and 6 veh/hr respectively.
West Kowloon	Paved haul road				All calculations and assumptions are extracted from SP
Terminus Concrete	outside concrete	Portiolo oizo multiplior k	2.22	an/KT	License of Express Rail Link (Appendix C).
Batching Plant	batching plant -	Particle size multiplier, k Road surface silt loading, sL		g/VKT g/m2	AP-42, Section 13.2.1, Table 13.2.1-1, 01/11 ed. AP-42, Section 13.2.1, Table 13.2.1-3, 01/11 ed.
	For Laden Vehicle	Average truck weight, W		tons	Full loading of Aggregate Tipper Truck
	or Laderr Verlicie	Average truck weight, vv		tons	Full loading of Cement Tanker
				tons	Full loading of Concrete Mixer
		TSP emission factor, E	-		E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
		,	1199	g/VKT	Aggregate Tpper Truck
				g/VKT	Cement Tanker
			1022	g/VKT	Concrete Mixer
		No. of truck trips per day	0	veh/hr	Aggregate Tpper Truck
				veh/hr	Cement Tanker
				veh/hr	Concrete Mixer
		No. of operation hour		hr	From 7:00-19:00
		% of dust suppression	99.0		
		Emission Rate		g/m/s (mitigated)	Aggregate Tipper Truck
				g/m/s (mitigated)	Cement Tanker
	Source ID:	Sum of Emission Rate	0.00⊑+00	g/m/s (mitigated)	Concrete Mixer Sum of emission rate of aggregate tipper truck, cement tanker and
	Courte ID.	Out of Lilission rate			concrete mixer.
	EP14				No. of vehicle of aggregate tipper truck, cement tanker and
			8.36E-06	g/m/s (mitigated)	concrete mixer are 0, 2, and 0 veh/hr respectively.
	EP15			and the description of the second	No. of vehicle of aggregate tipper truck, cement tanker and
			4.00೬-05	g/m/s (mitigated)	concrete mixer are 12, 0, and 0 veh/hr respectively.
	EP16		1 70E 05	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
			1.702-03	g/ii/3 (i/iitigateu)	concrete mixer are 0, 0, and 6 veh/hr respectively.
	EP17		8.52F-06	g/m/s (mitigated)	No. of vehicle of aggregate tipper truck, cement tanker and
<u></u>			5.022 00	- · · · · · · · · · · · · · · · · · · ·	concrete mixer are 0, 0, and 3 veh/hr respectively.

West founds on the control of the co	Works Area	Sources		Parameter		Remarks
Documents Balanting Jean 1 For United in Vehicle 1 For United in Vehicle 1 For United in Vehicle 2 For In Vehicle 2 For United in Vehicle 2 For United in Vehicle 2	West Kowloon					
Part (Constantiation Four Unided vehicles	Cultural District				2.07	
For Unidon Venics		batching plant -			~	
TSP entission factor, E TSP entission factor,		For I Inladen Vehicle	•		~	
TSP emission lactor, E TSP em	Oito)	or ornadorr vernore	Average truck weight, w			
Agregate Typer Truck General Information Source ID:						
Source ID: Source			TSP emission factor, E			E=k x (sL)^0.91x (W)^1.02 (AP-42, section 13.2.1, 01/11 ed.)
No. of operation hour 15 of such supersection Source ID: Source ID: Source ID: Source ID: Source ID: Source ID: No. of operation hour 15 of supersection Source ID: Sou				457	g/VKT	Aggregate Tpper Truck
No. of operation hour of disst supression Source ID: Sum of Enrisoin Rate CRYL CBX4 CRYL CBX4 CRYL CBX4 Avent hour tool descriped in the control of the					~	
Source ID. Source					•	
Source ID. Sum of Emission Rate CEX1-CBX4			T			From 7:00-19:00
CRY-CBX4 West Kowtoon terminus Connecte which about road building plane Particle size multiplier, k modern plane For Unladen Vehicle For Unladen Vehicle		0 15	• • • • • • • • • • • • • • • • • • • •	97.5	%	
West Kowoon About Figure 10 Secure IID: Source IID: EP21 Source IID: Source IID: EP22 Average truck weight of page and the process of the secure of t		Source ID:	Sum of Emission Rate			Sum of emission rate of aggregate tipper truck, cement tanker and
Vest Kowloon Frammas Concrete Academy Pared Frammas Concrete Academy Pared Frammas Concrete Academy Pared Frammas Concrete Academy Pared For Unlader Vehicle For Vehicle For Vehicle For Vehicle For Vehicle For Unlader Vehicle For Unlader Vehicle For Unlader Vehicle For Unlader Vehicle For Vehicle For Torol Torol For Unlader Vehicle For Torol Torol For Unlader Vehicle For Torol Torol For Unlader Vehicle For Torol For Indicate For Indicate Vehicle For Indicate Vehicle For Torol For Indicate For Indicate Vehicle For Wehr Torol For Indicate For Indicate Vehicle For Indicate Vehi		ODY4 ODY4				
West Kowloon Fremins Concrete Statching Plant For Unladen Vehicle For Oncore Mixer For Oncore Mix		CBX1-CBX4		6.12E-05	g/m/s (mitigated)	
Patching Plant Particle size multiplien, k Por Unladen Vehicle Por Vehicle Por Unladen Vehicle Por	West Kowloon	Paved haul road				
For Unladen Vehicle For Oberhor For Oberhor For Oberhor For To No. Of Vehicle For To No. Of Vehicle For Spring Vehicle F	Terminus Concrete	within concrete				License of Express Rail Link (Appendix C).
For Unladen Vehicle For Unladen Vehicle For Unladen Vehicle Average truck weight, W 1 a lone 15 cons 15 cons 15 cons 15 cons 17 cons 18 co	Batching Plant	batching plant -				
TSP emission factor, E TSP em		Familiala dan Makida	1		-	
TSP emission factor, E		For Unladen Vehicle	Average truck weight, W			
TSP emission factor, E 457 gVKT 459 gVKT Aggregate Typer Truck Cement Tanker Concrete Mixer Extracted from Specified Processes License (checked on 13 Jan 2012) 0 vehint Aggregate Typer Truck Cement Tanker Concrete Mixer Extracted from Specified Processes License (checked on 13 Jan 2012) 0 vehint Aggregate Typer Truck Concrete Mixer Cement Tanker Concrete Mixer Concrete Mixer From 700 19:00 No. of operation hour No						
Aggregate Toper Truck Comorte Misser Extracted from Specified Processes License (checked on 13 Jan 2012) No. of truck trips per day No. of operation hour 2 wehrhr 2 wehrhr 3 dement Tanker No. of operation hour 3 Jan 2012 No. of operation hour 4 overhire 2 wehrhr 3 Jan 2012 No. of operation hour 5 occasion Misser Emission Rate 5 0.00E-00 g/ms (mitigated) 2.73E-00 g/ms (mitigated) Source ID: Sum of Emission Rate 6 0.00E-00 g/ms (mitigated) Discrete Misser EP21 2.73E-00 g/ms (mitigated) EP22 3.26E-00 g/ms (mitigated) Discrete Misser EP22 5 0.00E-00 g/ms (mitigated) Discrete Misser EP23 5 0.00E-00 g/ms (mitigated) Discrete Misser EP24 5 0.00E-00 g/ms (mitigated) Discrete Misser EP25 5 0.00E-00 g/ms (mitigated) Discrete Misser EP26 5 0.00E-00 g/ms (mitigated) Discrete Misser EP27 5 0.00E-00 g/ms (mitigated) Discrete Misser EP28 5 0.00E-00 g/ms (mitigated) Discrete Misser EP29 5 0.00E-00 g/ms (mitigated) Discrete Misser EP29 5 0.00E-00 g/ms (mitigated) Discrete Misser EP29 6 0.00E-00 g/ms (mitigated) Discrete Misser EP20 6 0.00E-00 g/ms (mitigated) Discrete Misser EP21 6 0.00E-00 g/ms (mitigated) Discrete Misser EP22 6 0.00E-00 g/ms (mitigated) Discrete Misser EP24 6 0.00E-00 g/ms (mitigated) Discrete Misser EP24 6 0.00E-00 g/ms (mitigated) Discrete Misser EP24 6 0.00E-00 g/ms (mitigated) Discrete Misser EP25 6 0.00E-00 g/ms (mitigated) Discrete Misser EP26 6 0.00E-00 g/ms (mitigated) Discrete Misser EP27 6 0.00E-00 g/ms			TSP emission factor. F	12	toris	
Agregate Toper Truck Concrete Miser Extracted from Specified Processes License (checked on 13 Jan 2012) Agregate Toper Truck Concrete Miser Concrete Miser Concrete Miser From 7:00 19:00 Concrete Miser Concr			Tor emission factor, E	457	a/VKT	
No. of truck trips per day No. of truck trips per day Overhift Surchiff No. of operation hour No. of truck suppression No. of truck suppressi					~	99 9 11
No. of truck trips per day No. of truck trips per day O whihr 2 whihr 2 whihr 12 tr 10 whihr 2 tr 2 t						
Wesh Kowloon Zultural District District Next Kowloon Zultural District District District District Next Kowloon Zultural District Di				001	9,	
No. of operation hour % of dust suppression Plant (Part Minister) No. of operation hour % of dust suppression Plant (Part Minister) Source ID: Sum of Emission Rate (Part Minister) Source ID: Sum of Emission Rate (Part Minister) P21 (Part Part Minister) EP21 (Part Part Minister) EP22 (Part Part Minister) EP22 (Part Minister) EP23 (Part Minister) EP24 (Part Minister) EP25 (Part Minister) EP26 (Part Minister) EP27 (Part Minister) EP28 (Part Minister) EP29 (Part Minister) Initiate Succession Plant (Part Minister) Initiate S			No. of truck trips per day			·
No. of operation hour No. of small cement tisios No. operation hour No. of small cement tisios No. operation hour No. of small cement silos No. of small cement silo				0	veh/hr	,
No. of operation hour % of dust suppression 2 % of ust suppression 2 % of ust suppression 9 % of ust suppression 9 % of ust suppression 2 % of ust suppression 9 % of ust suppression 9 % of ust suppression 9 % of ust suppression 2 % of ust suppression 8 % of ust suppression 8 % of ust suppression 8 % of ust suppression 9 % of ust suppression 8				2	veh/hr	
## Agregate Tipper Truck Emission Rate Source ID: Sum of Emission Rate 0.00E+00 g/m/s (mitigated) 0.00E+00 0.0				0	veh/hr	Concrete Mixer
Emission Rate Emission Rate Double-100 g/m/s (mitigated) Double-100 g/m/			No. of operation hour	12	hr	From 7:00-19:00
Source ID: Sum of Emission Rate 2.73E-66 0/ms (mitigated) Cement Tanker Concrete Mixer Sum of emission rate of aggregate tipper truck, cement tanker and concrete mixer. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 1.2, 0, and 0 vehir respectively. No. of vehir respectively.			% of dust suppression	99.0	%	
Source ID: Sum of Emission Rate P21 EP21 EP22 EP22 EP23 Ascender Sum of emission rate of aggregate tipper truck, cement tanker and concrete mixer. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 vehir respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer of the vehicle of aggregate tipper truck, cement tanker and concrete mixer are 12, 0.2, and 0 v			Emission Rate	0.00E+00	g/m/s (mitigated)	Aggregate Tipper Truck
Source ID: Sum of Emission Rate EP21 EP22 EP22 EP23 West Kowloon Zultural District Joannete Batching Particle size multiplier, k Mean wind speed, U Emission Factor, E Emission Factor, E Mitigation efficiency Emission Rate Sum of Emission Rate Sum of emission rate of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate tipper truck, cement tanker and concrete mixer are 0, 2, and 0 vehibr respectively. No. of vehicle of aggregate temixer are 12, 0, and 0 vehibr respectively. No. of vehicle of aggregate temper truck, cement tanker and concrete mixer are 12, 0, and 0 vehibr respectively. No. of vehicle of aggregate temper truck				2.73E-06	g/m/s (mitigated)	Cement Tanker
EP21				0.00E+00	g/m/s (mitigated)	Concrete Mixer
EP22 EP23 1.52E-05 g/m/s (mitigated) 2.75E-05 g/m/s (mitigated) 2.76E-05 g/m/s (mitigated) 2.7		Source ID:	Sum of Emission Rate			Sum of emission rate of aggregate tipper truck, cement tanker and concrete mixer.
EP23 Section				2.73E-06	g/m/s (mitigated)	concrete mixer are 0, 2, and 0 veh/hr respectively.
Nest Kowloon Cultural District Concrete Batching Particle size multiplier, k Moist Weak Momen wind speed. U Emission Factor, E Mest Kowloon Cultural District Concrete Batching Aw materials) Nest Kowloon Cultural District Concrete Batching Aw materials Nest Kowloon Cultural District Concrete Batching Particle size multiplier, k Moisture content, M Moan wind speed, U Emission Factor, E Nest Kowloon Cultural District Concrete Batching Plant (Cement / PFA Billos) Nest Kowloon Cultural District Concrete Batching Plant (Cement / PFA Billos) Nest Kowloon Cultural District Concrete Batching Plant (Cement / PFA Billos) Nest Kowloon Cultural District Concrete Batching Plant (Cement / PFA Billos) Nest Kowloon Cultural District Concrete Batching Plant (Cement / PFA Billos) No. of small cement silos Emission Rate PFA weight Hopper Source ID: EP3-EP4 No. of small cement silos Emission Rate PFA weight Hopper Source ID: EP3-EP4 No. of small cement silos Emission Rate No. of small cement silos Emission Rate No. of small cement silos Emission Rate PFA weight Hopper Source ID: EP3-EP4 No. of small cement silos Emission Rate No. of small cement silos All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1, 6/06 ed. Nest Kowloon No. of small cement silos Emission height End (Mixing Tower) No. of small cement silos Emission height End (Mixing Tower) No. of small cement silos Emission height End (Mixing Tower) No. of small cement silos Extracted from SP License of Express Rail Link (Appendix C). PFOM 7:00 to 19:00 No. of small cement silos PFA weight Hopper Production rate Dust x mixin				1.52E-05	g/m/s (mitigated)	concrete mixer are 12, 0, and 0 veh/hr respectively.
Mast Kowloon Cultural District Source ID: EP9 Particle size multiplier, k Moisture content, M Mean wind speed, U Source ID: EP9 Particle size multiplier, k Moisture content, M Mean wind speed, U Source ID: EP9 Particle size multiplier, k Moisture content, M Mean wind speed, U Source ID: EP9 Particle size multiplier, k Moisture content, M Mean wind speed, U Source ID: Emission Factor, E O.002165163 kg/Mg Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). PATH Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). Path Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). Path Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). Path Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). Path Year 2010 mean wind speed Extracted from SP License of Express Rail Link (Appendix C). Prom 7:00 to 19:00 mg/m3 All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). Prom 7:00 to 19:00 mg/m3 All calculations and assumptions are extract		EP23		3.26E-06	g/m/s (mitigated)	
Doubt District Doncrete Batching Particle size multiplier, k Moisture content, M Mean wind speed, U Sission Factor, E Doubt emission Factor, E Doncrete Batching Particle size multiplier, k Moisture content, M Mean wind speed, U Sission Factor, E Doncrete Batching Particle size multiplier, k Moisture content, M Mean wind speed, U Sission Factor, E Doncrete Batching Particle size multiplier, k Moisture content, M Mean wind speed, U Sission Factor, E Doncrete Batching Particle size multiplier, k Moisture content, M Mean wind speed, U Sission Factor Dust extraction flow rate for each mixer No. of small cement silos Emission height Particle size multiplier, k Moisture content, M Mean wind speed, U Sission Factor Dust extraction flow rate for each mixer No. of small cement silos Particle size multiplier, k Moisture content, M Mean wind speed, U Sission Factor Dust extraction flow rate for each mixer No. of small cement silos Particle size multiplier, k No. o	West Kowloon		Consumption Rate	272000	kg/h	Extracted from SP License of Express Rail Link (Appendix C)
Plant (Unloading of aw materials) Mosture content, M		Source ID: EP9			_	Extracted from of Electrice of Express Hall Ellik (Appellative).
was materials) wheat wind speed, U Emission Factor, E wheat wind speed, U Emission Factor yell sex (0.0016) x ((U/z.2)^1.3/(M/z)^1.4) (AP-42, section 13.2.4, 11/06 ed.) wheat wind speed E=k x (0.0016) x ((U/z.2)^1.3/(M/z)^1.4) (AP-42, section 13.2.4, 11/06 ed.) Extracted from SP License of Express Rail Link (Appendix C). Extracted from SP License of Express Rail Link (Appendix C). All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). In a calculation and assumptions are extracted from SP License of Express Rail Link (Appendix C). From 7:00 to 19:00 All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). Emission Rate PFA weight Hopper Source ID: EP3-EP4 Density ource ID: EP3-EP4 West Kowloon Word Factor Emission Rate 2.30E-04 yes (mitigated) West Kowloon No. of operation hour No. of small cement silos Emission factor 2.60E-03 yes (mitigated) West Kowloon No. of operation hour No. of small cement silos Emission Rate 2.30E-04 yes (mitigated) All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). From 7:00 to 19:00			•			
Emission Factor, E Mitigation efficiency Emission Rate 0.002165163 kg/Mg 0.588924442 kg/hr kg/hr kg/hr mission Rate 0.002165163 kg/Mg kg/hr k	, ,		·			
Mest Kowloon Cultural District Concrete Batching Plant (Gement / PFA Silos) PFA weight Hopper Source ID: EP3-EP4 PFA weight Hopper Source ID: EP3-EP4 PFA wight Hopper No. of small cell at the Kappendix C). PFA wight Hopper Source ID: Express Rail Link (Appendix C).			Mean wind speed, U	3.5	m/s	· ·
Mest Kowloon Cultural District Concrete Batching PFA weight Hopper Source ID: EP3-EP4 West Kowloon Cultural District Concrete Batching Plant (Mixing Tower) Mitigation efficiency Emission Rate Mitigation efficiency Emission Rate TSP emission factor Dust extraction flow rate for each mixer No. of operation hour Silos Source ID: EP5-EP8 Mixer Source ID: EP3-EP4 Mixer Source ID: EP1-EP2 Mixer Source I			Emission Factor, E	0.002165163	kg/Mg	
Mitigation efficiency Emission Rate Small Cementitions Material Silos Source ID: EP5-EP8 Plant (Cement / PFA Silos) No. of small cement silos Emission Rate Silos) Small Cementitions Material Silos Source ID: EP5-EP8 PFA weight Hopper Source ID: EP3-EP4 PFA weight Hopper Source ID: EP3-EP4 No. of small cement silos Emission Rate Nest Kowloon Mitigation efficiency Emission factor Dust extraction flow rate for each mixer No. of operation hour No. of small cement silos Emission Rate Nest Kowloon Cultural District Concrete Batching Plant (Mixing Tower) No. of small cement silos Emission Rate No. of operation hour 12 hr 1300 mg/m3 Mitigated) All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). From 7:00 to 19:00 All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1, 6/06 ed. PSP emission factor Dust extraction flow rate for each No. of operation hour No. of small cement silos 2 Emission height 1500 m3/hr License of Express Rail Link (Appendix C). Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1, 6/06 ed. All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). From 7:00 to 19:00 From 7:00 to 19:00				0.588924442	kg/hr	, , , , , , , , , , , , , , , , , , , ,
Small Cementitious Duttral District Concrete Batching Plant (Cement / PFA Silos)	ĺ			99	%	Extracted from SP License of Express Rail Link (Appendix C).
All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). Production rate P						
Concrete Batching Plant (Cement / PFA Silos) No. of operation hour No. of small cement silos	West Kowloon			30	mg/m3	All calculations and assumptions are extracted from SP
Plant (Cement / PFA Silos) No. of operation hour No. of small cement silos Emission height Emission Rate Production rate Density Emission Factor Emission Rate Emission Factor Emission Rate Density Emission Factor Emission Rate Emission Rate Density Emission Factor Emission Rate Emission Rate Density Emission Factor Emission Rate Emission Rate Density Emission Factor Density Emission Factor Emission Rate Density Emission Factor Density Emission Facto				1300	m3/hr	License of Express Rail Link (Appendix C).
No. of small cement silos No. of small cement silos 4 21 or 22 Emission height 21 or 22 Emission Rate 1.08E-02 g/s (mitigated)	Plant (Cement / PFA	COUIDO ID. LEG-EF8	-	12	hr	From 7:00 to 19:00
Emission height 21 or 22 g/s (mitigated) PFA weight Hopper Source ID: EP3-EP4 West Kowloon Cultural District Concrete Batching Plant (Mixing Tower) Emission height 21 or 22 g/s (mitigated) Production rate 160 m3/hr All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1, 6/06 ed. West Kowloon Cultural District Concrete Batching Plant (Mixing Tower) Emission height 21 or 22 g/s (mitigated) Mixer Source ID: TSP emission factor 2.30E-04 g/s (mitigated) Mixer Source ID: EP1-EP2 Dust extraction flow rate for each No. of operation hour No. of small cement silos 2 Emission height 13 EP5: 21m, EP6-EP8: 22m All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). From 7:00 to 19:00	Silos)		,	1		
Emission Rate PFA weight Hopper Source ID: EP3-EP4 West Kowloon Cultural District Concrete Batching Plant (Mixing Tower) Peant (Mixing Tower) Emission Rate Emission Rate 1.08E-02 g/s (mitigated) m3/hr Mixer Source ID: EP3-EP4 Emission Rate 2.08E-03 kg/Mg Mixer Source ID: EP3-EP4 Mixer Source ID: EP3-EP4 Emission Rate 2.30E-04 Mixer Source ID: EP1-EP2 Dust extraction flow rate for each No. of operation hour No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 2 Emission height Dust extraction flow rate for each No. of small cement silos 3 Emission height Dust extraction flow rate for each No. of small cement silos 3 Emission height Dust extraction flow rate for each No. of small cement silos 4 Emission height Dust extraction flow rate for each No. of small cement silos 4 Emission flow flow flow flow flow flow flow flow				4		FD5 04
PFA weight Hopper Source ID: EP3-EP4 Production rate Density			•			EP5: 21M, EP6-EP8: 22M
Source ID: EP3-EP4 Density Emission Factor Emission Rate Density Emission Rate 2.30E-04 West Kowloon Cultural District Concrete Batching Plant (Mixing Tower) Source ID: EP3-EP4 Density Emission Factor 2.60E-03 kg/Mg 2.30E-04 g/s (mitigated) All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1, 6/06 ed. 2.30E-04 g/s (mitigated) All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1, 6/06 ed. All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). From 7:00 to 19:00	ĺ	PFA weight Hopper				All calculations and accumptions are outrested from CD
Emission Factor Emission Rate 2.60E-03 kg/Mg Weight hopper loading, AP-42, section 11.12-4, Table 11.12-1, 6/06 ed. West Kowloon Cultural District Concrete Batching Plant (Mixing Tower) Emission Factor 2.60E-03 kg/Mg y/s (mitigated) Mixer Source ID: EP1-EP2 Dust extraction flow rate for each No. of operation hour No. of small cement silos 2 Emission height	ĺ					
Mest Kowloon Mixer Source ID: TSP emission factor Surface	ĺ	233.00 .5. 2. 0 2. 4	1		_	1
Emission Rate 2.30E-04 g/s (mitigated) West Kowloon Mixer Source ID: EP1-EP2 Dust extraction flow rate for each Concrete Batching Plant (Mixing Tower) Plant (Mixing Tower) Emission Rate 2.30E-04 g/s (mitigated) Mg/m3 All calculations and assumptions are extracted from SP License of Express Rail Link (Appendix C). From 7:00 to 19:00 From 7:00 to 19:00	ĺ			2.60E-03	kg/Mg	
West Kowloon			Emission Rate	2.30E-04	g/s (mitigated)	
Cultural District EP1-EP2 Dust extraction flow rate for each No. of operation hour 12 hr Ep1-EP2 Dust extraction flow rate for each No. of operation hour 12 hr Ep1-EP2 No. of small cement silos 2 Emission height 13	West Kowloon	Mixer Source ID:		40	mg/m3	All calculations and assumptions are extracted from SP
Plant (Mixing Tower) No. of small cement silos Emission height 13	Cultural District	EP1-EP2		1500	m3/hr	License of Express Rail Link (Appendix C).
Emission height 13	Concrete Batching					From 7:00 to 19:00
	Plant (Mixing Tower)					
			Emission Rate			