



APPENDIX 3.7

EMISSION INVENTORY OF INDUSTRIAL EMISSIONS

Appendix 3.7 - Emission Inventory of Industrial Emissions

Building	Model ID	Source ID as in AEIAR-129/2009	X-Coordinate	Y-Coordinate	Base Elevation	Stack Height	Stack Diameter	Exit Temperature	Stack Velocity	Emission Rates			Operation Hours
										NOx	RSP	FSP	
(Name)	(#)	(#)	(HK1980)	(HK1980)	(mPD)	(mAG)	(m)	(K)	(m/s)	(g/s)	(g/s)	(g/s)	(Hour)
Tuen Mun Industrial Center	CH01	IN14	814890.00	828390.00	5.6	72.6	0.510	473	8	1.896E-01	1.896E-02	1.896E-02	24-Hour
Tuen Mun Industrial Center	CH02	N9	814862.20	828400.49	5.6	71.7	0.510	473	8	1.896E-01	1.896E-02	1.896E-02	24-Hour
Tuen Mun Industrial Center	CH03	IN11	814850.00	828380.00	5.6	57.5	0.308	473	8	6.916E-02	6.916E-03	6.916E-03	24-Hour
Kowloon Dairy Ltd	CH04	IN23	815040.00	828280.00	5.3	48.5	0.559	473	8	2.278E-01	2.278E-02	2.278E-02	24-Hour
Mei Kei Industrial Building	CH05	IN31	815120.00	828310.00	5.2	93.1	0.250	473	8	4.556E-02	4.556E-03	4.556E-03	24-Hour
Hanway Industrial Building	CH06	IN28	815090.00	828150.00	4.7	87.6	0.560	473	8	2.286E-01	2.286E-02	2.286E-02	24-Hour
Hanway Industrial Building	CH07	IN30	815100.00	828140.00	4.5	60.0	0.250	473	8	4.556E-02	4.556E-03	4.556E-03	24-Hour
Hanway Industrial Building	CH08	IN25	815080.00	828140.00	4.5	76.8	0.300	473	8	6.561E-02	6.561E-03	6.561E-03	24-Hour
Hanway Industrial Building	CH09	IN27	815090.00	828130.00	4.6	44.0	0.457	473	8	1.523E-01	1.523E-02	1.523E-02	24-Hour
Shing On Industrial Building	CH10	IN22	815030.00	828140.00	4.7	63.7	0.250	473	8	4.556E-02	4.556E-03	4.556E-03	24-Hour

Notes:

- (a) Chimneys within 500m assessment area were identified from site surveys conducted on 14 April 2022 and 23 May 2022.
- (b) A visit to check the SP license registers was made on 6 December 2022 and no record of SP licence was found within the 500m assessment area.
- (c) Emission rates and stack parameters were made reference to the Appendix 3.2 and 3.9 of the approved EIA Report of "Sludge Treatment Facilities" (AEIAR-129/2009).
- (d) For conservative approach, operation hour of the stacks are assumed as 24-hour (Continuous).
- (e) For conservative approach, FSP emission rates are assumed the same as RSP emission rates.