Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Nim Wan and Lung Kwu Sheung Tan Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
The IWMF	IWMFa	810018.6	831277.3	5.0	150.0	413	15.00	4.97	0000 to 2400	4.589E+01	4.589E+01	6.884E+00	2.295E+01	1.377E+01	4.589E+00	9.179E-01	1.147E-01	1.147E-02	1.147E-02	2.295E-08	-	Refer to Appendix 3.2 for the IWMF and Appendix 3.11 for Odour.
	Odour a	810181.2	831438.8	5.0	6	298	15.00	2.20		-	-	-	-	-	-	-	-	-	-	-	3.754E+01	
STF	STF1	810430.5	831460.1	6.5	65.0	463	15.00	1.30	0000 to 2400	2.843E+00	1.421E+00	2.132E-01	7.107E-01	4.264E-01	1.421E-01	2.843E-02	3.553E-03	3.553E-04	3.553E-04	7.107E-10	-	Data extracted from the approved STF EIA Report.
	STF2	810432.7	831460.1	6.5	65.0	463	15.00	1.30		2.843E+00	1.421E+00	2.132E-01	7.107E-01	4.264E-01	1.421E-01	2.843E-02	3.553E-03	3.553E-04	3.553E-04	7.107E-10	-	
	STF3	810430.5	831457.9	6.5	65.0	463	15.00	1.30		2.843E+00	1.421E+00	2.132E-01	7.107E-01	4.264E-01	1.421E-01	2.843E-02	3.553E-03	3.553E-04	3.553E-04	7.107E-10	-	
	STF4	810432.7	831457.9	6.5	65.0	463	15.00	1.30		2.843E+00	1.421E+00	2.132E-01	7.107E-01	4.264E-01	1.421E-01	2.843E-02	3.553E-03	3.553E-04	3.553E-04	7.107E-10	-	
	STF5	810430.5	831455.7	6.5	65.0	463	15.00	1.30		2.843E+00	1.421E+00	2.132E-01	7.107E-01	4.264E-01	1.421E-01	2.843E-02	3.553E-03	3.553E-04	3.553E-04	7.107E-10	-	
	STF6	810432.7	831455.7	6.5	65.0	463	15.00	1.30		2.843E+00	1.421E+00	2.132E-01	7.107E-01	4.264E-01	1.421E-01	2.843E-02	3.553E-03	3.553E-04	3.553E-04	7.107E-10	-	
Existing WENT Landfill (Scenario 2)	ETD1	810626.0	831358.0	6.6	19	740	3.92	2.33	0000 to 2400	3.770E-01	1.616E-02	Negligible	9.156E-02	6.463E-02	-	-	-	-	-	-	-	Refer to the approved WENT Landfill Extensions EIA Report. Emission Rates of CO and HCl extracted from the approved STF EIA Report.
	ETD2	810626.0	831348.0	6.6	19	740	3.92	2.33		3.770E-01	1.616E-02	Negligible	9.156E-02	6.463E-02	-	-	-	-	-	-	-	
	EFS1	810672.9	831465.9	6.6	8.2	1473	3.62	0.50		4.856E-03	2.973E-03	Negligible	5.748E-02	1.189E-02	-	-	-	-	-	-	-	
	EFS2	810680.9	831465.9	6.6	8.2	1473	3.62	0.50		4.856E-03	2.973E-03	Negligible	5.748E-02	1.189E-02	-	-	-	-	-	-	-	
	EFS3	810688.9	831465.9	6.6	8.2	1473	3.62	0.50		4.856E-03	2.973E-03	Negligible	5.748E-02	1.189E-02	-	-	-	-	-	-	-	
	EPG1	810657.6	831463.8	6.6	6	853	37.10	0.50		4.266E-02	4.847E-03	5.978E-02	2.020E-02	1.939E-02	-	-	-	-	-	-	-	
	EPG2	810662.6	831463.8	6.6	6	853	37.10	0.50		4.266E-02	4.847E-03	5.978E-02	2.020E-02	1.939E-02	-	-	-	-	-	-	-	
WENT Landfill Extension (Scenario 2)	XTD1	810505.0	831360.4	6.6	19	740	7.06	2.33	0000 to 2400	6.786E-01	2.908E-02	Negligible	1.648E-01	1.163E-01	-	-	-	-	-	-	-	Refer to the approved WENT Landfill Extensions EIA Report, Emission Rates of CO and HCl are extracted from the approved STF EIA Report
	XTD2	810505.0	831350.4	6.6	19	740	7.06	2.33		6.786E-01	2.908E-02	Negligible	1.648E-01	1.163E-01	-	-	-	-	-	-	-	
	XFS1	810565.9	831329.3	6.6	20	1473	6.49	3.25		3.712E-01	2.273E-01	Negligible	4.394E+00	9.091E-01	-	-	-	-	-	-	-	
	XFS2	810573.9	831329.3	6.6	20	1473	6.49	3.25		3.712E-01	2.273E-01	Negligible	4.394E+00	9.091E-01	-	-	-	-	-	-	-	
	XFS3	810581.9	831329.3	6.6	20	1473	6.49	3.25		3.712E-01	2.273E-01	Negligible	4.394E+00	9.091E-01	-	-	-	-	-	-	-	
	XPG1	810550.2	831329.0	6.6	6	853	37.10	0.50		4.266E-02	4.847E-03	5.978E-02	2.020E-02	1.939E-02	-	-	-	-	-	-	-	
	XPG2	810555.2	831329.0	6.6	6	853	37.10	0.50		4.266E-02	4.847E-03	5.978E-02	2.020E-02	1.939E-02	-	-	-	-	-	-	-	
Marine Emission (IETS Vessel During Maneuvering)	MARa1	809097.8	831413.5	0	8	530.5	8	0.3	1700 to 1800, 2100 to 2200	1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	Data extracted from the approved WENT Landfill Extensions EIA Report.
	MARa2	809145.3	831429.1	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa3	809192.8	831444.8	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa4	809240.3	831460.4	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa5	809287.8	831476.1	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa6	809335.8	831489.9	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa7	809383.8	831503.8	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa8	809431.9	831517.7	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa9	809479.9	831531.5	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa10	809527.4	831547.2	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa11	809574.9	831562.9	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa12	809622.3	831578.6	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa13	809669.8	831594.3	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa14	809717.6	831608.9	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa15	809765.5	831623.4	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa16	809813.3	831638.0	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa17	809861.1	831652.5	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa18	809908.9	831667.2	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa19	809956.7	831681.9	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa20	810004.5	831696.5	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa21	810052.3	831711.2	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa22	810100.1	831725.9	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa23	810149.9	831731.1	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa24	810199.6	831736.3	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa25	810249.3	831741.5	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa26	810299.1	831746.7	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa27	810348.8	831751.9	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa28	810398.5	831757.0	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa29	810448.3	831762.2	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa30	810498.0	831767.4	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa31	810548.0	831765.7	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa32	810597.9	831764.1	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa33	810647.9	831762.4	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa34	810697.9	831761.7	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa35	810747.9	831761.0	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa36	810797.9	831760.3	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa37	810847.9	831759.7	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa38	810897.7	831763.4	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa39	810947.6	831767.1	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa40	810997.5	831770.8	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARa41	811047.3	831774.5	0	8	530.5	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Nim Wan and Lung Kwu Sheung Tan Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (IWTS vessels During Maneuvering)	MARb1	809097.8	831413.5	0	8	493	8	0.3	1800 to 1900, 2000 to 2100	1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	Data extracted from the approved WENT Landfill Extensions EIA Report.
	MARb2	809145.3	831429.1	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb3	809192.8	831444.8	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb4	809240.3	831460.4	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb5	809287.8	831476.1	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb6	809335.8	831489.9	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb7	809383.8	831503.8	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb8	809431.9	831517.7	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb9	809479.9	831531.5	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb10	809527.4	831547.2	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb11	809574.9	831562.9	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb12	809622.3	831578.6	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb13	809669.8	831594.3	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb14	809717.6	831608.9	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb15	809765.5	831623.4	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb16	809813.3	831638.0	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb17	809861.1	831652.5	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb18	809908.9	831667.2	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb19	809956.7	831681.9	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb20	810004.5	831696.5	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb21	810052.3	831711.2	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb22	810100.1	831725.9	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb23	810149.9	831731.1	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb24	810199.6	831736.3	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb25	810249.3	831741.5	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb26	810299.1	831746.7	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb27	810348.8	831751.9	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb28	810398.5	831757.0	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb29	810448.3	831762.2	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb30	810498.0	831767.4	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb31	810548.0	831765.7	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb32	810597.9	831764.1	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb33	810647.9	831762.4	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb34	810697.9	831761.7	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb35	810747.9	831761.0	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb36	810797.9	831760.3	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb37	810847.9	831759.7	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb38	810897.7	831763.4	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb39	810947.6	831767.1	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb40	810997.5	831770.8	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
	MARb41	811047.3	831774.5	0	8	493	8	0.3		1.057E-02	1.009E-04	1.153E-04	-	-	-	-	-	-	-	-	-	
Marine Emission (OITF vessels During Maneuvering)	MARc1	809097.8	831413.5	0	3.5	425	8	0.2	1000 to 1100, 1400 to 1500	5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	Data extracted from the approved WENT Landfill Extensions EIA Report.
	MARc2	809145.3	831429.1	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc3	809192.8	831444.8	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc4	809240.3	831460.4	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc5	809287.8	831476.1	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc6	809335.8	831489.9	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc7	809383.8	831503.8	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc8	809431.9	831517.7	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc9	809479.9	831531.5	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc10	809527.4	831547.2	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc11	809574.9	831562.9	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc12	809622.3	831578.6	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc13	809669.8	831594.3	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc14	809717.6	831608.9	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc15	809765.5	831623.4	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc16	809813.3	831638.0	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc17	809861.1	831652.5	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc18	809908.9	831667.2	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc19	809956.7	831681.9	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc20	810004.5	831696.5	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc21	810052.3	831711.2	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc22	810100.1	831725.9	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc23	810149.9	831731.1	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc24	810199.6	831736.3	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc25	810249.3	831741.5	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc26	810299.1	831746.7	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc27	810348.8	831751.9	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc28	810398.5	831757.0	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc29	810448.3	831762.2	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc30	810498.0	831767.4	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc31	810548.0	831765.7	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc32	810597.9	831764.1	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc33	810647.9	831762.4	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc34	810697.9	831761.7	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc35	810747.9	831761.0	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc36	810797.9	831760.3	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc37	810847.9	831759.7	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc38	810897.7	831763.4	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc39	810947.6	831767.1	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc40	810997.5	831770.8	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	
	MARc41	811047.3	831774.5	0	3.5	425	8	0.2		5.808E-03	5.544E-05	6.336E-05	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Nim Wan and Lung Kwu Sheung Tan Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (North Lantau vessels During Maneuvering from propulsion engine)	MARd1	809097.8	831413.5	0	11	699	8	0.2	0800 to 1000	7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	Data extracted from the approved WENT Landfill Extensions EIA Report.
	MARd2	809145.3	831429.1	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd3	809192.8	831444.8	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd4	809240.3	831460.4	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd5	809287.8	831476.1	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd6	809335.8	831489.9	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd7	809383.8	831503.8	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd8	809431.9	831517.7	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd9	809479.9	831531.5	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd10	809527.4	831547.2	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd11	809574.9	831562.9	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd12	809622.3	831578.6	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd13	809669.8	831594.3	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd14	809717.6	831608.9	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd15	809765.5	831623.4	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd16	809813.3	831638.0	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd17	809861.1	831652.5	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd18	809908.9	831667.2	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd19	809956.7	831681.9	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd20	810004.5	831696.5	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd21	810052.3	831711.2	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd22	810100.1	831725.9	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd23	810149.9	831731.1	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd24	810199.6	831736.3	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd25	810249.3	831741.5	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd26	810299.1	831746.7	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd27	810348.8	831751.9	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd28	810398.5	831757.0	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd29	810448.3	831762.2	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd30	810498.0	831767.4	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd31	810548.0	831765.7	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd32	810597.9	831764.1	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd33	810647.9	831762.4	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd34	810697.9	831761.7	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd35	810747.9	831761.0	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd36	810797.9	831760.3	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd37	810847.9	831759.7	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd38	810897.7	831763.4	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd39	810947.6	831767.1	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd40	810997.5	831770.8	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
	MARd41	811047.3	831774.5	0	11	699	8	0.2		7.664E-03	7.316E-05	8.361E-05	-	-	-	-	-	-	-	-	-	
Marine Emission (North Lantau vessels During Maneuvering from auxiliary engine)	MARe1	809097.8	831413.5	0	11	588	8	0.2	0800 to 1000	3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	Data extracted from the approved WENT Landfill Extensions EIA Report.
	MARe2	809145.3	831429.1	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe3	809192.8	831444.8	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe4	809240.3	831460.4	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe5	809287.8	831476.1	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe6	809335.8	831489.9	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe7	809383.8	831503.8	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe8	809431.9	831517.7	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe9	809479.9	831531.5	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe10	809527.4	831547.2	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe11	809574.9	831562.9	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe12	809622.3	831578.6	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe13	809669.8	831594.3	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe14	809717.6	831608.9	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe15	809765.5	831623.4	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe16	809813.3	831638.0	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe17	809861.1	831652.5	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe18	809908.9	831667.2	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe19	809956.7	831681.9	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe20	810004.5	831696.5	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe21	810052.3	831711.2	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe22	810100.1	831725.9	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe23	810149.9	831731.1	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe24	810199.6	831736.3	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe25	810249.3	831741.5	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe26	810299.1	831746.7	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe27	810348.8	831751.9	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe28	810398.5	831757.0	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe29	810448.3	831762.2	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe30	810498.0	831767.4	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe31	810548.0	831765.7	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe32	810597.9	831764.1	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe33	810647.9	831762.4	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe34	810697.9	831761.7	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe35	810747.9	831761.0	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe36	810797.9	831760.3	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe37	810847.9	831759.7	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe38	810897.7	831763.4	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe39	810947.6	831767.1	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe40	810997.5	831770.8	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	
	MARe41	811047.3	831774.5	0	11	588	8	0.2		3.230E-03	3.083E-05	3.524E-05	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Nim Wan and Lung Kwu Sheung Tan Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (West Kowloon vessels During Maneuvering)	MARf1	809097.8	831413.5	0	12	873	8	0.27	0700 to 0800, 1900 to 2000	2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	Data extracted from the approved WENT Landfill Extensions EIA Report.
	MARf2	809145.3	831429.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf3	809192.8	831444.8	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf4	809240.3	831460.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf5	809287.8	831476.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf6	809335.8	831489.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf7	809383.8	831503.8	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf8	809431.9	831517.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf9	809479.9	831531.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf10	809527.4	831547.2	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf11	809574.9	831562.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf12	809622.3	831578.6	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf13	809669.8	831594.3	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf14	809717.6	831608.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf15	809765.5	831623.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf16	809813.3	831638.0	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf17	809861.1	831652.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf18	809908.9	831667.2	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf19	809956.7	831681.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf20	810004.5	831696.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf21	810052.3	831711.2	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf22	810100.1	831725.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf23	810149.9	831731.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf24	810199.6	831736.3	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf25	810249.3	831741.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf26	810299.1	831746.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf27	810348.8	831751.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf28	810398.5	831757.0	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf29	810448.3	831762.2	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf30	810498.0	831767.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf31	810548.0	831765.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf32	810597.9	831764.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf33	810647.9	831762.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf34	810697.9	831761.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf35	810747.9	831761.0	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf36	810797.9	831760.3	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf37	810847.9	831759.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf38	810897.7	831763.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf39	810947.6	831767.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf40	810997.5	831770.8	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARf41	811047.3	831774.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
Marine Emission (Addition vessels fro STF During Maneuvering)	MARh1	809097.8	831413.5	0	12	873	8	0.27	0500 to 0600, 2000 to 2100	2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	Data extracted from the approved STF EIA Report.
	MARh2	809145.3	831429.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh3	809192.8	831444.8	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh4	809240.3	831460.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh5	809287.8	831476.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh6	809335.8	831489.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh7	809383.8	831503.8	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh8	809431.9	831517.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh9	809479.9	831531.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh10	809527.4	831547.2	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh11	809574.9	831562.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh12	809622.3	831578.6	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh13	809669.8	831594.3	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh14	809717.6	831608.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh15	809765.5	831623.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh16	809813.3	831638.0	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh17	809861.1	831652.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh18	809908.9	831667.2	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh19	809956.7	831681.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh20	810004.5	831696.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh21	810052.3	831711.2	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh22	810100.1	831725.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh23	810149.9	831731.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh24	810199.6	831736.3	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh25	810249.3	831741.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh26	810299.1	831746.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh27	810348.8	831751.9	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh28	810398.5	831757.0	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh29	810448.3	831762.2	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh30	810498.0	831767.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh31	810548.0	831765.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh32	810597.9	831764.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh33	810647.9	831762.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh34	810697.9	831761.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh35	810747.9	831761.0	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh36	810797.9	831760.3	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh37	810847.9	831759.7	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh38	810897.7	831763.4	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh39	810947.6	831767.1	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh40	810997.5	831770.8	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	
	MARh41	811047.3	831774.5	0	12	873	8	0.27		2.143E-02	2.046E-04	2.338E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Nim Wan and Lung Kwu Sheung Tan Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (During Idling)	IETS	810986.0	831745.8	0	8	531	8	0.3	0000 to 1700, 2100 to 2400	2.750E-01	2.625E-03	3.000E-03	-	-	-	-	-	-	-	-	-	Data extracted from the approved WENT Landfill Extensions EIA Report.
	IWTS	811080.0	831779.6	0	8	493	8	0.3	0000 to 1800, 2100 to 2400	2.750E-01	2.625E-03	3.000E-03	-	-	-	-	-	-	-	-	-	
	OITF	811174.4	831812.6	0	3.5	425	8	0.1	1100 to 1500	2.552E-01	2.436E-03	2.784E-03	-	-	-	-	-	-	-	-	-	
	NLTS	811362.1	831881.8	0	11	588	8	0.2	0800 to 1000	1.254E+00	1.197E-02	1.368E-02	-	-	-	-	-	-	-	-	-	
Black Point Gas Supply Project	BPGS1	808991.0	830812.0	5	9.4	573	11.3	0.9	0000 to 2400	3.800E-01	-	-	2.400E-01	-	-	-	-	-	-	-	-	Data extracted from the approved Black Point Gas Supply Project - EIA Study.
	BPGS2	808997.0	830817.0	5	9.4	573	11.3	0.9		3.800E-01	-	-	2.400E-01	-	-	-	-	-	-	-	-	
	BPGS3	809002.0	830822.0	5	9.4	573	11.3	0.9		3.800E-01	-	-	2.400E-01	-	-	-	-	-	-	-	-	
	BPGS4	809007.0	830827.0	5	9.4	573	11.3	0.9		3.800E-01	-	-	2.400E-01	-	-	-	-	-	-	-	-	
	BPGS5	809013.0	830833.0	5	9.4	573	11.3	0.9		3.800E-01	-	-	2.400E-01	-	-	-	-	-	-	-	-	
	BPGS6	809018.0	830838.0	5	9.4	573	11.3	0.9		3.800E-01	-	-	2.400E-01	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Shek Kwu Chau Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
The IWMF	IWMFb	816628.9	805568.4	5	150	413	15.00	4.97	0000 to 2400	4.589E+01	4.589E+01	6.884E+00	2.295E+01	1.377E+01	4.589E+00	9.179E-01	1.147E-01	1.147E-02	1.147E-02	2.29468E-08	-	Refer to Appendix 3.2 for the IWMF and Appendix 3.11 for Odour.
	Odour_b	816831.4	805450.9	5	6	298	15.00	2.20		-	-	-	-	-	-	-	-	-	-	-	3.754E+01	
Marine Emission (IETS Vessel During Maneuvering)	MARi1	817489.5	805513.0	0	8	530.5	8.00	0.3	1700 to 1800, 2100 to 2200	1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	MARi2	817443.5	805493.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi3	817397.5	805473.6	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi4	817351.6	805453.9	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi5	817305.6	805434.2	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi6	817259.7	805414.5	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi7	817213.7	805394.8	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi8	817167.8	805375.1	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi9	817124.4	805350.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi10	817080.9	805325.5	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi11	817037.5	805300.7	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi12	816992.6	805278.6	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi13	816943.4	805269.8	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi14	816894.2	805260.9	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi15	816845.0	805252.0	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi16	816795.1	805248.9	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi17	816745.5	805255.4	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi18	816696.0	805261.8	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi19	816646.4	805268.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi20	816596.8	805274.8	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi21	816547.2	805281.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi22	816497.6	805287.7	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi23	816448.1	805294.2	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi24	816398.5	805300.7	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi25	816348.9	805307.4	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi26	816301.1	805322.0	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi27	816253.3	805336.6	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi28	816205.5	805351.1	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi29	816157.6	805365.7	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi30	816109.7	805379.8	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi31	816066.1	805404.4	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi32	816022.6	805429.0	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi33	815979.1	805453.6	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi34	815945.2	805490.4	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi35	815913.8	805529.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi36	815882.5	805568.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi37	815865.5	805615.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi38	815855.0	805664.2	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi39	815844.5	805713.1	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi40	815843.8	805763.0	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi41	815849.8	805812.7	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi42	815855.7	805862.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi43	815869.6	805910.4	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi44	815891.6	805955.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi45	815913.6	806000.2	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi46	815942.9	806040.7	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi47	815982.4	806071.4	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi48	816031.0	806083.0	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi49	816077.3	806064.2	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi50	816106.9	806023.8	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi51	816117.1	805974.9	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi52	816121.0	805925.0	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi53	816124.6	805875.2	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi54	816128.2	805825.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi55	816131.8	805775.4	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi56	816143.9	805726.9	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi57	816170.7	805684.7	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi58	816204.1	805647.5	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi59	816249.9	805627.4	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARi60	816295.6	805607.3	0	8	530.5	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Shek Kwu Chau Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (IWTS vessels During Maneuvering)	MARj1	817489.5	805513.0	0	8	493	8.00	0.3	1800 to 1900, 2000 to 2100	1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	MARj2	817443.5	805493.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj3	817397.5	805473.6	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj4	817351.6	805453.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj5	817305.6	805434.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj6	817259.7	805414.5	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj7	817213.7	805394.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj8	817167.8	805375.1	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj9	817124.4	805350.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj10	817080.9	805325.5	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj11	817037.5	805300.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj12	816992.6	805278.6	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj13	816943.4	805269.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj14	816894.2	805260.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj15	816845.0	805252.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj16	816795.1	805248.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj17	816745.5	805255.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj18	816696.0	805261.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj19	816646.4	805268.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj20	816596.8	805274.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj21	816547.2	805281.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj22	816497.6	805287.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj23	816448.1	805294.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj24	816398.5	805300.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj25	816348.9	805307.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj26	816301.1	805322.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj27	816253.3	805336.6	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj28	816205.5	805351.1	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj29	816157.6	805365.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj30	816109.7	805379.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj31	816066.1	805404.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj32	816022.6	805429.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj33	815979.1	805453.6	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj34	815945.2	805490.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj35	815913.8	805529.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj36	815882.5	805568.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj37	815865.5	805615.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj38	815855.0	805664.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj39	815844.5	805713.1	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj40	815843.8	805763.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj41	815849.8	805812.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj42	815855.7	805862.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj43	815869.6	805910.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj44	815891.6	805955.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj45	815913.6	806000.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj46	815942.9	806040.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj47	815982.4	806071.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj48	816031.0	806083.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj49	816077.3	806064.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj50	816106.9	806023.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj51	816117.1	805974.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj52	816121.0	805925.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj53	816124.6	805875.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj54	816128.2	805825.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj55	816131.8	805775.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj56	816143.9	805726.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj57	816170.7	805684.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj58	816204.1	805647.5	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj59	816249.9	805627.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARj60	816295.6	805607.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Shek Kwu Chau Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (IWMF vessels During Maneuvering)	MARk1	817489.5	805513.0	0	8	493	8.00	0.3	1800 to 1900, 2000 to 2100	1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	MARk2	817443.5	805493.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk3	817397.5	805473.6	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk4	817351.6	805453.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk5	817305.6	805434.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk6	817259.7	805414.5	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk7	817213.7	805394.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk8	817167.8	805375.1	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk9	817124.4	805350.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk10	817080.9	805325.5	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk11	817037.5	805300.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk12	816992.6	805278.6	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk13	816943.4	805269.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk14	816894.2	805260.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk15	816845.0	805252.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk16	816795.1	805248.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk17	816745.5	805255.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk18	816696.0	805261.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk19	816646.4	805268.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk20	816596.8	805274.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk21	816547.2	805281.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk22	816497.6	805287.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk23	816448.1	805294.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk24	816398.5	805300.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk25	816348.9	805307.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk26	816301.1	805322.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk27	816253.3	805336.6	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk28	816205.5	805351.1	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk29	816157.6	805365.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk30	816109.7	805379.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk31	816066.1	805404.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk32	816022.6	805429.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk33	815979.1	805453.6	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk34	815945.2	805490.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk35	815913.8	805529.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk36	815882.5	805568.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk37	815865.5	805615.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk38	815855.0	805664.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk39	815844.5	805713.1	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk40	815843.8	805763.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk41	815849.8	805812.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk42	815855.7	805862.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk43	815869.6	805910.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk44	815891.6	805955.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk45	815913.6	806000.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk46	815942.9	806040.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk47	815982.4	806071.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk48	816031.0	806083.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk49	816077.3	806064.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk50	816106.9	806023.8	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk51	816117.1	805974.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk52	816121.0	805925.0	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk53	816124.6	805875.2	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk54	816128.2	805825.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk55	816131.8	805775.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk56	816143.9	805726.9	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk57	816170.7	805684.7	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk58	816204.1	805647.5	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk59	816249.9	805627.4	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	
	MARk60	816295.6	805607.3	0	8	493	8.00	0.3		1.073E-02	1.025E-04	1.171E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Shek Kwu Chau Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (West Kowloon vessels During Maneuvering)	MARI1	817489.5	805513.0	0	12	873	8.00	0.27	0700 to 0800, 1900 to 2000	2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	MARI2	817443.5	805493.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI3	817397.5	805473.6	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI4	817351.6	805453.9	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI5	817305.6	805434.2	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI6	817259.7	805414.5	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI7	817213.7	805394.8	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI8	817167.8	805375.1	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI9	817124.4	805350.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI10	817080.9	805325.5	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI11	817037.5	805300.7	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI12	816992.6	805278.6	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI13	816943.4	805269.8	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI14	816894.2	805260.9	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI15	816845.0	805252.0	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI16	816795.1	805248.9	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI17	816745.5	805255.4	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI18	816696.0	805261.8	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI19	816646.4	805268.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI20	816596.8	805274.8	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI21	816547.2	805281.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI22	816497.6	805287.7	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI23	816448.1	805294.2	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI24	816398.5	805300.7	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI25	816348.9	805307.4	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI26	816301.1	805322.0	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI27	816253.3	805336.6	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI28	816205.5	805351.1	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI29	816157.6	805365.7	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI30	816109.7	805379.8	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI31	816066.1	805404.4	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI32	816022.6	805429.0	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI33	815979.1	805453.6	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI34	815945.2	805490.4	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI35	815913.8	805529.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI36	815882.5	805568.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI37	815865.5	805615.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI38	815855.0	805664.2	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI39	815844.5	805713.1	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI40	815843.8	805763.0	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI41	815849.8	805812.7	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI42	815855.7	805862.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI43	815869.6	805910.4	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI44	815891.6	805955.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI45	815913.6	806000.2	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI46	815942.9	806040.7	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI47	815982.4	806071.4	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI48	816031.0	806083.0	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI49	816077.3	806064.2	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI50	816106.9	806023.8	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI51	816117.1	805974.9	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI52	816121.0	805925.0	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI53	816124.6	805875.2	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI54	816128.2	805825.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI55	816131.8	805775.4	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI56	816143.9	805726.9	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI57	816170.7	805684.7	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI58	816204.1	805647.5	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI59	816249.9	805627.4	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	
	MARI60	816295.6	805607.3	0	12	873	8.00	0.27		2.176E-02	2.077E-04	2.374E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Shek Kwu Chau Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (Staff Vessel During Maneuvering) - Route 1	MARm1	817489.5	805513.0	0	2	537	8.00	0.2	0700 to 0900, 1400 to 1600, 1700 to 1800, 2100 to 2300	2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	MARm2	817443.5	805493.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm3	817397.5	805473.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm4	817351.6	805453.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm5	817305.6	805434.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm6	817259.7	805414.5	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm7	817213.7	805394.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm8	817167.8	805375.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm9	817124.4	805350.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm10	817080.9	805325.5	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm11	817037.5	805300.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm12	816992.6	805278.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm13	816943.4	805269.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm14	816894.2	805260.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm15	816845.0	805252.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm16	816795.1	805248.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm17	816745.5	805255.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm18	816696.0	805261.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm19	816646.4	805268.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm20	816596.8	805274.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm21	816547.2	805281.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm22	816497.6	805287.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm23	816448.1	805294.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm24	816398.5	805300.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm25	816348.9	805307.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm26	816301.1	805322.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm27	816253.3	805336.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm28	816205.5	805351.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm29	816157.6	805365.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm30	816109.7	805379.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm31	816066.1	805404.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm32	816022.6	805429.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm33	815979.1	805453.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm34	815945.2	805490.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm35	815913.8	805529.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm36	815882.5	805568.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm37	815865.5	805615.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm38	815855.0	805664.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm39	815844.5	805713.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm40	815843.8	805763.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm41	815849.8	805812.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm42	815855.7	805862.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm43	815869.6	805910.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm44	815891.6	805955.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm45	815913.6	806000.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm46	815942.9	806040.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm47	815982.4	806071.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm48	816031.0	806083.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm49	816077.3	806064.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm50	816106.9	806023.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm51	816117.1	805974.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm52	816121.0	805925.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm53	816124.6	805875.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm54	816128.2	805825.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm55	816131.8	805775.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm56	816143.9	805726.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm57	816170.7	805684.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm58	816204.1	805647.5	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm59	816249.9	805627.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARm60	816295.6	805607.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Shek Kwu Chau Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (Staff Vessel During Maneuvering) - Route 2	MARma1	817245.4	807446.6	0	2	537	8.00	0.2	0700 to 0900, 1400 to 1600, 1700 to 1800, 2100 to 2300	2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	MARma2	817196.1	807438.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma3	817146.8	807429.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma4	817097.6	807421.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma5	817048.4	807412.5	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma6	816999.2	807403.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma7	816950.0	807394.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma8	816900.9	807384.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma9	816851.9	807375.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma10	816803.0	807364.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma11	816754.3	807353.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma12	816706.4	807339.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma13	816659.0	807323.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma14	816612.1	807305.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma15	816566.0	807286.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma16	816521.4	807263.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma17	816478.2	807238.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma18	816435.1	807213.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma19	816392.3	807187.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma20	816350.1	807160.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma21	816307.9	807133.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma22	816265.7	807107.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma23	816223.5	807080.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma24	816181.3	807053.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma25	816139.0	807026.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma26	816096.8	806999.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma27	816055.5	806971.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma28	816016.1	806940.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma29	815979.1	806907.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma30	815944.4	806871.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma31	815912.1	806833.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma32	815882.2	806793.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma33	815857.5	806749.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma34	815839.4	806703.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma35	815827.3	806654.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma36	815820.4	806604.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma37	815818.4	806555.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma38	815820.2	806505.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma39	815823.8	806455.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma40	815825.2	806405.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma41	815826.9	806355.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma42	815833.2	806305.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma43	815849.7	806258.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma44	815882.3	806220.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma45	815921.8	806189.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma46	815961.2	806159.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma47	816000.7	806128.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARma48	816040.2	806097.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Shek Kwu Chau Study Area

	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (Visitor Vessel During Maneuvering) - Route 1	MARn1	817489.5	805513.0	0	2	537	8.00	0.2	0900 to 1800	2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	MARn2	817443.5	805493.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn3	817397.5	805473.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn4	817351.6	805453.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn5	817305.6	805434.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn6	817259.7	805414.5	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn7	817213.7	805394.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn8	817167.8	805375.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn9	817124.4	805350.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn10	817080.9	805325.5	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn11	817037.5	805300.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn12	816992.6	805278.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn13	816943.4	805269.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn14	816894.2	805260.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn15	816845.0	805252.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn16	816795.1	805248.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn17	816745.5	805255.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn18	816696.0	805261.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn19	816646.4	805268.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn20	816596.8	805274.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn21	816547.2	805281.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn22	816497.6	805287.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn23	816448.1	805294.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn24	816398.5	805300.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn25	816348.9	805307.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn26	816301.1	805322.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn27	816253.3	805336.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn28	816205.5	805351.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn29	816157.6	805365.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn30	816109.7	805379.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn31	816066.1	805404.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn32	816022.6	805429.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn33	815979.1	805453.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn34	815945.2	805490.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn35	815913.8	805529.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn36	815882.5	805568.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn37	815865.5	805615.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn38	815855.0	805664.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn39	815844.5	805713.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn40	815843.8	805763.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn41	815849.8	805812.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn42	815855.7	805862.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn43	815869.6	805910.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn44	815891.6	805955.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn45	815913.6	806000.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn46	815942.9	806040.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn47	815982.4	806071.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn48	816031.0	806083.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn49	816077.3	806064.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn50	816106.9	806023.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn51	816117.1	805974.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn52	816121.0	805925.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn53	816124.6	805875.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn54	816128.2	805825.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn55	816131.8	805775.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn56	816143.9	805726.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn57	816170.7	805684.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn58	816204.1	805647.5	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn59	816249.9	805627.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARn60	816295.6	805607.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions in Shek Kwu Chau Study Area

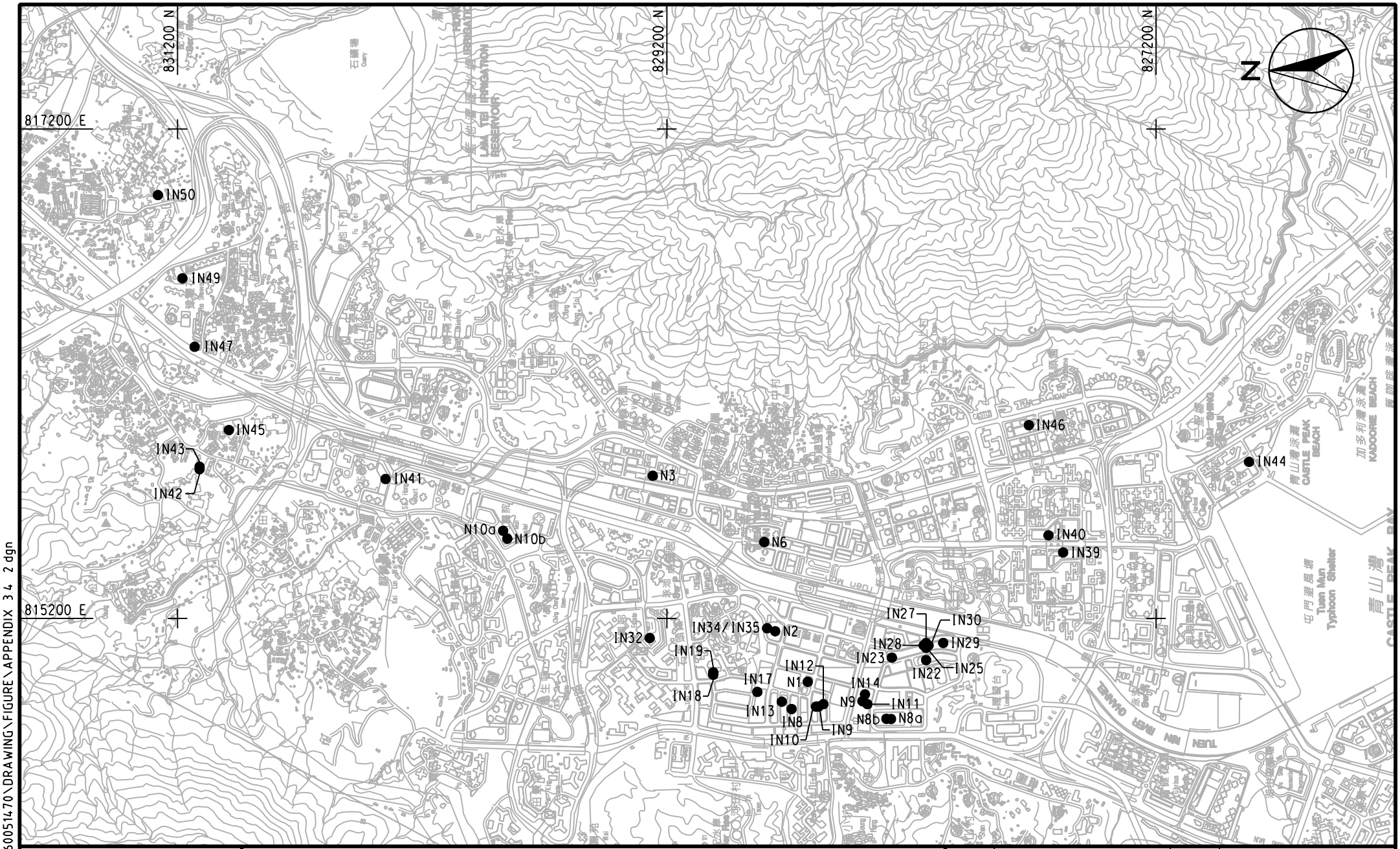
	Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Period of Emission	Emission Rate												Remark
										NOx	SO_2	RSP	CO	Hydrogen Chloride (HCl)	Gaseous or Vaporous organic substances	Hydrogen Fluoride (HF)	Total of 9 Heavy Metals	Mercury	Total Cadmium & Thallium	Dioxins & Furans	Odour	
	ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(hr)	(g/s)	(g/s)	(g/s) or (g/m^2/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Marine Emission (Visitor Vessel During Maneuvering) - Route 2	MARna1	817245.4	807446.6	0	2	537	8.00	0.2	0900 to 1800	2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	MARna2	817196.1	807438.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna3	817146.8	807429.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna4	817097.6	807421.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna5	817048.4	807412.5	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna6	816999.2	807403.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna7	816950.0	807394.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna8	816900.9	807384.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna9	816851.9	807375.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna10	816803.0	807364.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna11	816754.3	807353.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna12	816706.4	807339.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna13	816659.0	807323.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna14	816612.1	807305.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna15	816566.0	807286.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna16	816521.4	807263.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna17	816478.2	807238.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna18	816435.1	807213.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna19	816392.3	807187.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna20	816350.1	807160.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna21	816307.9	807133.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna22	816265.7	807107.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna23	816223.5	807080.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna24	816181.3	807053.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna25	816139.0	807026.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna26	816096.8	806999.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna27	816055.5	806971.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna28	816016.1	806940.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna29	815979.1	806907.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna30	815944.4	806871.3	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna31	815912.1	806833.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna32	815882.2	806793.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna33	815857.5	806749.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna34	815839.4	806703.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna35	815827.3	806654.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna36	815820.4	806604.9	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna37	815818.4	806555.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna38	815820.2	806505.0	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna39	815823.8	806455.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna40	815825.2	806405.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna41	815826.9	806355.2	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna42	815833.2	806305.6	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna43	815849.7	806258.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna44	815882.3	806220.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna45	815921.8	806189.8	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna46	815961.2	806159.1	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna47	816000.7	806128.4	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
	MARna48	816040.2	806097.7	0	2	537	8.00	0.2		2.043E-02	1.950E-04	2.229E-04	-	-	-	-	-	-	-	-	-	
Marine Emission (During Idling)	IETSb	816465.0	805626.1	0	8	531	8.00	0.3	0000 to 1700, 2100 to 2400	2.750E-01	2.625E-03	3.000E-03	-	-	-	-	-	-	-	-	-	Refer to Appendix 3.3 for detailed calculations
	IWTSb	816541.3	805692.8	0	8	493	8.00	0.3	0000 to 1800, 2100 to 2400	2.750E-01	2.625E-03	3.000E-03	-	-	-	-	-	-	-	-	-	
	IWMF	816617.2	805759.1	0	8	493	8.00	0.3	0000 to 1800, 2100 to 2400	2.750E-01	2.625E-03	3.000E-03	-	-	-	-	-	-	-	-	-	
	Staff	816676.1	805810.6	0	2	537	8	0.2	0700 to 0900, 1400 to 1600, 1700 to 1800, 2100 to 2300	1.283E-01	1.225E-03	1.400E-03	-	-	-	-	-	-	-	-	-	
	Visitor	816676.1	805810.6	0	2	537	8	0.2	0900 to 1800	1.283E-01	1.225E-03	1.400E-03	-	-	-	-	-	-	-	-	-	

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions from Industrial Sources in Tuen Mun Study Area

Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Emission Rate	
								NOx	RSP
ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)
IN8	814830.0	828690.0	6.1	102.8	473	8	0.610	2.713E-01	2.713E-02
IN9	814840.0	828580.0	6.1	93.4	473	8	0.365	9.712E-02	9.712E-03
IN10	814840.0	828590.0	6.1	90.0	473	8	0.406	1.202E-01	1.202E-02
IN11	814850.0	828380.0	5.6	57.5	473	8	0.308	6.916E-02	6.916E-03
IN12	814850.0	828560.0	6.1	88.1	473	8	0.300	6.561E-02	6.561E-03
IN13	814860.0	828730.0	7.0	97.7	473	8	0.940	6.442E-01	6.442E-02
IN14	814890.0	828390.0	5.6	72.6	473	8	0.510	1.896E-01	1.896E-02
IN17	814900.0	828830.0	21.6	97.4	473	8	1.150	9.641E-01	9.641E-02
IN18	814970.0	829010.0	13.7	150.4	473	8	0.750	4.101E-01	4.101E-02
IN19	814980.0	829010.0	13.7	150.4	473	8	0.750	4.101E-01	4.101E-02
IN22	815030.0	828140.0	4.7	63.7	473	8	0.250	4.556E-02	4.556E-03
IN23	815040.0	828280.0	5.3	48.5	473	8	0.559	2.278E-01	2.278E-02
IN25	815080.0	828140.0	4.5	76.8	473	8	0.300	6.561E-02	6.561E-03
IN27	815090.0	828130.0	4.6	44.0	473	8	0.457	1.523E-01	1.523E-02
IN28	815090.0	828150.0	4.7	87.6	473	8	0.560	2.286E-01	2.286E-02
IN29	815100.0	828070.0	4.4	64.0	473	8	0.546	2.173E-01	2.173E-02
IN30	815100.0	828140.0	4.5	60.0	473	8	0.250	4.556E-02	4.556E-03
IN32	815120.0	829270.0	8.3	21.3	473	8	0.356	9.239E-02	9.239E-03
IN34	815160.0	828790.0	6.1	65.7	473	8	0.965	6.789E-01	6.789E-02
IN35	815160.0	828790.0	6.1	65.7	473	8	0.406	1.202E-01	1.202E-02
IN39	815470.0	827580.0	4.8	58.3	473	8	0.450	1.476E-01	1.476E-02
IN40	815540.0	827640.0	5.1	69.8	473	8	0.427	1.329E-01	1.329E-02
IN41	815770.0	830350.0	7.2	33.8	473	8	0.332	8.035E-02	8.035E-03
IN42	815810.0	831110.0	12.0	24.1	473	8	0.630	2.893E-01	2.893E-02
IN43	815820.0	831110.0	10.9	23.6	473	8	0.660	3.176E-01	3.176E-02
IN44	815840.0	826820.0	4.4	17.0	473	8	0.450	1.476E-01	1.476E-02
IN45	815970.0	830990.0	10.6	13.4	473	8	0.373	1.014E-01	1.014E-02
IN46	815990.0	827720.0	5.8	80.9	473	8	0.305	6.782E-02	6.782E-03
IN47	816310.0	831130.0	7.8	15.2	473	8	0.200	2.916E-02	2.916E-03
IN49	816590.0	831180.0	12.2	24.4	473	8	0.610	2.713E-01	2.713E-02
IN50	816930.0	831280.0	16.5	20.0	473	8	0.450	1.476E-01	1.476E-02
N1	814941.3	828624.0	5.8	45.2	473	8	0.350	8.930E-02	8.930E-03
N2	815147.9	828757.0	6.0	74.2	473	8	0.460	1.543E-01	1.543E-02
N3	815783.3	829257.4	5.8	89.9	473	8	0.300	6.561E-02	6.561E-03
N6	815512.3	828801.8	5.1	93.9	473	8	0.390	1.109E-01	1.109E-02
N8a	814789.4	828283.4	5.6	42.1	473	8	0.426	1.323E-01	1.323E-02
N8b	814790.3	828302.6	5.6	37.1	473	8	0.560	2.286E-01	2.286E-02
N9	814862.2	828400.5	5.6	71.7	473	8	0.510	1.896E-01	1.896E-02
N10a	815558.4	829869.4	8.2	55.5	473	8	0.543	2.149E-01	2.149E-02
N10b	815526.0	829851.7	8.2	55.5	473	8	0.600	2.624E-01	2.624E-02

Note: Information are extracted from the approved STF EIA report.



AECOM

ENGINEERING INVESTIGATION AND ENVIRONMENTAL STUDIES FOR INTEGRATED WASTE MANAGEMENT FACILITIES PHASE I - FEASIBILITY STUDY

LOCATIONS OF INDUSTRIAL EMISSIONS IN TUEN MUN

SCALE	A4 1 : 20000	DATE	MAY 2010
CHECK	-	DRAWN	DXL
JOB No.	60051148	DRAWING No. APPENDIX 3.4	REV -

p:\PROJECTS\60051470\DRAWING\FIGURE\APPENDIX 3 4 2.dgn

Date: 2010-11-24

Appendix 3.4 - Summary of Emission Inventory for ISC Modelling

Emissions from Industrial Sources in Kwai Tsing Study Area

Source	X	Y	Base Elevation	Stack Height	Exit Temperature	Exit Velocity	Stack Diameter	Emission Rate	
								NOx	RSP
ID	(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)
IN_KT1	831786.0	822678.0	67.3	52.8	298	6	3.300	1.387E-01	1.387E-02
IN_KT2	831790.0	822680.0	67.3	52.8	298	6	3.300	1.387E-01	1.387E-02
IN_KT3	831790.0	822678.0	67.3	52.8	298	6	3.300	1.387E-01	1.387E-02

AECOM

ENGINEERING INVESTIGATION AND ENVIRONMENTAL STUDIES FOR INTEGRATED WASTE MANAGEMENT FACILITIES PHASE I - FEASIBILITY STUDY

LOCATIONS OF INDUSTRIAL EMISSIONS IN KWAI TSING

SCALE	A4 1 : 5000	DATE	MAY 2010
CHECK	–	DRAWN	DXL
JOB No.	60051148	DRAWING No. APPENDIX 3.4	REV –

p:\PROJECTS\60051470\DRAWING\FIGURE\APPENDIX 3 4 1.dgn

Date: 2010-11-24

Appendix 3.4 Summary of Emission Inventory for ISC Modelling

Emissions from Airport

Source	X	Y	Base Elevation	Release Height	Length_X	Length_Y	Angle	Emission Rate	
								NOx	RSP
ID	(m)	(m)	(mpd)	(m)	(m)	(m)	(°)	(g/s-m^2)	(g/s-m^2)
25R_L	810681.3	820256.1	7.7	12	75.8	683.2	70.7	6.224E-05	0
25R_T	810681.3	820256.1	7.7	12	75.8	683.2	70.7	1.265E-03	0
25L1_L	810402.6	818532.2	7.7	12	75.5	574.0	71.1	3.742E-05	0
25L1_T	810402.6	818532.2	7.7	12	75.5	574.0	71.1	9.374E-04	0
25L2_L	810945.6	818718.3	7.7	12	75.2	598.3	71.1	3.742E-05	0
25L2_T	810945.6	818718.3	7.7	12	75.2	598.3	71.1	9.374E-04	0
IDL	810807.2	820101.5	7.5	12	608.4	246.4	70.4	1.535E-04	6.314E-08
GSE	810807.2	820101.5	7.5	0.5	608.4	246.4	70.4	2.617E-05	7.199E-06
APU	810807.2	820101.5	7.5	12	608.4	246.4	70.4	2.160E-05	0

Hourly Profile for All Sources from Airport

Hour 01	Hour 02	Hour 03	Hour 04	Hour 05	Hour 06	Hour 07	Hour 08
0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	1.9%	2.9%
Hour 09	Hour 10	Hour 11	Hour 12	Hour 13	Hour 14	Hour 15	Hour 16
4.9%	6.8%	6.8%	5.8%	6.8%	5.8%	6.8%	6.8%
Hour 17	Hour 18	Hour 19	Hour 20	Hour 21	Hour 22	Hour 23	Hour 24
6.8%	5.8%	5.8%	5.8%	5.8%	4.9%	4.9%	3.9%