Appednix 3.2 Emission Inventory for Numerical Modeling (All Potential Air Pollutants)

Air Emissions from Major Point Sources within the Study Area

										Emission Rate											
	Source	X	Y	Base Elevation	Stack Height	Stack Diameter / Length of X Side	Length of Y Side	Exit Velocity	Exit Temperature	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	Remark
	ID	(m)	(m)	(mpd)	(m)	(m)	(m)	(m/s)	(K)	(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)	
STF	STF1	810430.5	831460.1	6.5	65	1.30	-	15.00	463	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	-	Refer to Appendix 3.3 for detailed calculations of stack emission and Appendix 3.12 for odour emission.
	STF2	810432.7	831460.1	6.5		1.30	-	15.00	463	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		1.30	-	15.00	463	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		1.30	-	15.00	463	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		1.30	-	15.00	463	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		1.30	-	15.00	463	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	-	
	STF7	810505.9	831427.4	6.5	2	0.15	-	8.00	298	-	-	-	-	-	-	-	-	-	-	-	4.669E+01	
	STF8	810413.8	831517.1	6.5	10	0.70	-	8.00	298	-	-	-	-	-	-	-	-	-	-	-	8.561E+01	
Green Island Cement Plant	G1	810020.0	825545.0	7.0	17.2	1.50	2.00	-	-	-	-	5.981E-02		-	-	-	-	-	-	-	-	Based on the permissible emission limits in SP License. Detailed calculation refer to Appendix 3.4.
	G2	810035.0	825540.0	7.0	17.2	1.50	2.00	-	-	-	-	5.981E-02		-	-	-	-	-	-	-	-	
	G3	810090.0	825510.0	7.0	16.0	0.37	0.42	-	-	-	-	1.546E-01		-	-	-	-	-	-	-	-	
	G4	810190.0	825605.0	7.0	30.0	0.50	0.58	-	-	-	-	1.674E-01		-	-	-	-	-	-	-	-	
	G5	810145.0	825550.0	7.0	32.0	0.50	0.70	-	-	-	-	1.373E-01		-	-	-	-	-	-	-	-	
	G6	810190.0	825600.0	7.0	39.1	0.62	0.71	-	-	-	-	1.975E-01		-	-	-	-	-	-	-	-	
	G7	810180.0	825605.0	7.0	32.8	0.28	0.33	-	-	-	-	1.653E-01		-	-	-	-	-	-	-	-	
	G8	810195.0	825585.0	7.0	17.6	0.35	0.35	-	-	-	-	9.751E-02		-	-	-	-	-	-	-	-	
	G9	810175.0	825750.0	7.0	59.8	0.50	0.52	-	-	-	-	1.528E-01		-	-	-	-	-	-	-	-	
	G10	810170.0	825760.0	7.0	17.0	0.14	0.28	-	-	-	-	1.063E-01		-	-	-	-	-	-	-	-	
	G11	810370.0	825835.0	7.0	24.5	0.28	0.32	-	-	-	-	2.015E-01		-	-	-	-	-	-	-	-	
	G12	810375.0	825835.0	7.0	39.2	0.33	0.37	-	-	-	-	1.843E-01		-	-	-	-	-	-	-	-	
	G13	810370.0	825860.0	7.0	61.1	0.28	0.32	-	-	-	-	1.612E-01		-	-	-	-	-	-	-	-	
	G14	810345.0	825875.0	7.0	61.1	0.51	0.56	-	-	-	-	1.916E-01		-	-	-	-	-	-	-	-	
	G15	810370.0	825860.0	7.0	24.5	0.55	1.07	-	-	-	-	2.558E-01		-	-	-	-	-	-	-	-	
	G16	810375.0	825855.0	7.0	34.4	0.50	0.57	-	-	-	-	1.792E-01		-	-	-	-	-	-	-	-	
	G17	810395.0	825910.0	7.0	25.5	1.07	0.55	-	-	-	-	2.558E-01		-	-	-	-	-	-	-	-	
	G18	810370.0	825870.0	7.0	34.4	0.50	0.57	-	-	-	-	1.703E-01		-	-	-	-	-	-	-	-	
	G19	810365.0	825875.0	7.0	25.5	0.13	0.28	-	-	-	-	1.679E-01		-	-	-	-	-	-	-	-	
	G20	810390.0	825910.0	7.0	24.5	1.07	0.55	-	-	-	-	2.558E-01		-	-	-	-	-	-	-	-	
	G21	810360.0	825885.0	7.0	34.4	0.50	0.57	-	-	-	-	1.703E-01		-	-	-	-	-	-	-	-	
	G22	810215.0	825970.0	7.0	85.7	0.56	0.65	-	-	-	-	1.862E-01		-	-	-	-	-	-	-	-	
	G23	810225.0	825960.0	7.0	85.7	0.56	0.65	-	-	-	-	1.603E-01		-	-	-	-	-	-	-	-	
	G24	810205.0	825970.0	7.0	85.7	0.56	0.65	-	-	-	-	1.603E-01		-	-	-	-	-	-	-	-	
	G25	810215.0	825945.0	7.0	85.7	0.56	0.65	-	-	-	-	1.603E-01		-	-	-	-	-	-	-	-	
	G26	810205.0	825965.0	7.0	85.7	0.33	0.40	-	-	-	-	1.492E-01		-	-	-	-	-	-	-	-	
	G27	810235.0	825925.0	7.0	30.3	0.50	0.57	-	-	-	-	1.329E-01		-	-	-	-	-	-	-	-	
	G28	810220.0	825920.0	7.0	30.3	0.50	0.57	-	-	-	-	1.329E-01		-	-	-	-	-	-	-	-	
	G29	810195.0	825960.0	7.0	13.0	0.45	0.52	-	-	-	-	8.403E-02		-	-	-	-	-	-	-	-	
	G30	810200.0	825955.0	7.0	13.0	0.45	0.52	-	-	-	-	8.403E-02		-	-	-	-	-	-	-	-	
	G31	810200.0	825950.0	7.0	13.0	0.45	0.52	-	-	-	-	1.597E-01		-	-	-	-	-	-	-	-	
	G32	810205.0	825945.0	7.0	13.0	0.45	0.52	-	-	-	-	1.597E-01		-	-	-	-	-	-	-	-	
	G33	809940.0	825665.0	7.0	16.9	0.21	0.41	-	-	-	-	1.710E-01		-	-	-	-	-	-	-	-	
	G34	809940.0	825690.0	7.0	29.0	0.45	0.52	-	-	-	-	1.534E-01		-	-	-	-	-	-	-	-	
	G35	810225.0	825820.0	7.0	30.2	0.50	0.58	-	-	-	-	1.577E-01		-	-	-	-	-	-	-	-	
	G36	810365.0	825880.0	7.0	20.0	0.65	0.65	-	-	-	-	2.844E-02		-	-	-	-	-	-	-	-	
	G39	810155.0	825625.0	7.0	28.6	0.30	0.33	-	-	-	-	1.543E-01		-	-	-	-	-	-	-	-	
	G40	810245.0	825720.0	7.0	57.6	0.24	0.28	-	-	-	-	1.653E-01		-	-	-	-	-	-	-	-	
	G41	810230.0	825740.0	7.0	40.3	0.46	0.53	-	-	-	-	1.593E-01		-	-	-	-	-	-	-	-	
	G42	810195.0	825695.0	7.0	45.7	0.50	0.58	-	-	-	-	1.427E-01		-	-	-	-	-	-	-	-	
	G43	810180.0	825725.0	7.0	53.3	0.38	0.43	-	-	-	-	1.447E-01		-	-	-	-	-	-	-	-	
	G44	810200.0	825740.0	7.0	53.8	0.62	0.73	-	-	-	-	1.440E-01		-	-	-	-	-	-	-	-	
	G45	810190.0	825700.0	7.0	35.5	0.19	0.28	-	-	-	-	1.514E-01		-	-	-	-	-	-	-	-	
	G47	810200.0	825720.0	7.0	19.5	0.41	0.47	-	-	-	-	1.431E-01		-	-	-	-	-	-	-	-	
	G48	810135.0	825555.0	7.0	17.4	0.60	0.45	-	-	-	-	1.327E-01		-	-	-	-	-	-	-	-	
	G50	810215.0	825970.0	7.0	24.7	0.29	0.23	-	-	-	-	7.093E-02		-	-	-	-	-	-	-	-	
	G51	810375.0	825805.0	7.0	26.4	1.10	1.10	-	-	-	-	1.132E-01		-	-	-	-	-	-	-	-	
	G52	810380.0	825835.0	7.0	30.9	0.84	0.84	-	-	-	-	5.119E-02		-	-	-	-	-	-	-	-	
	G56	810250.0	825770.0	7.0	72.2	1.00	2.00	-	-	-	-	4.042E-02		-	-	-	-	-	-	-	-	
	G57	810330.0	825840.0	7.0	31.2	1.26	1.26	-	-	-	-	2.166E-01		-	-	-	-	-	-	-	-	
	G58	810255.0	825770.0	7	113.0	3.10	-	20.90	383	1.117E+02	3.167E+01	5.583E+00	-	-	-	-	0.64	0.04	0.04	-	-	
	G60	810230.0	825765.0	7	113.0	1.20	-	14.00	338	-	-	1.314E-01	-	-	-	-	-	-	-	-	-	
	G61	810230.0	825935.0	7	32.0	0.89	0.89	-	-	-	-	7.674E-02		-	-	-	-	-	-	-	-	
	G62	809950.0	825580.0	7	17.2	1.50	2.00	-	-	-	-	5.981E-02		-	-	-	-	-	-	-	-	
	G63	809940.0	825585.0	7	17.2	1.50	2.00	-	-	-	-	5.981E-02		-	-	-	-	-	-	-	-	
	G66	810375.0	825850.0	7	63.0	0.32	0.80	-	-	-	-	1.213E-01		-	-	-	-	-	-	-	-	
	G67	810170.0	825745.0	7	27.8	0.77	0.77	-	-	-	-	3.796E-02		-	-	-	-	-	-	-	-	
	G68	810170.0	825690.0	7	29.8	0.77	0.77	-	-	-	-	3.796E-02		-	-	-	-	-	-	-	-	
	G69	810335.0	825815.0	7	15.5	0.60	1.00	-	-	-	-	1.542E-01		-	-	-	-	-	-	-	-	
	G70	809950.0	825700.0	7	25.9	0.77	0.77	-	-	-	-	9.815E-02		-	-	-	-	-	-	-	-	
	G71	809935.0	825670.0	7	24.4	0.77	0.77	-	-	-	-	2.037E-02		-	-	-	-	-	-	-	-	
	G72	810240.0	825940.0	7	16.9	0.77	0.77	-	-	-	-	5.324E-02		-	-	-	-	-	-	-	-	
	G73	810355.0	825855.0	7	78.8	0.90	3.00	-	-	-	-	1.626E-02		-	-	-	-	-	-	-	-	
	G75	810030.0	825615.0	7	2.9	0.48	0.48	-	-	-	-	3.865E-02		-	-	-	-	-	-	-	-	

Appednix 3.2 Emission Inventory for Numerical Modeling (All Potential Air Pollutants)

Air Emissions from Major Point Sources within the Study Area

										Emission Rate											
	Source	X	Y	Base Elevation	Stack Height	Stack Diameter / Length of X Side	Length of Y Side	Exit Velocity	Exit Temperature	NOx	SO2	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	Remark
	ID	(m)	(m)	(mpd)	(m)	(m)	(m)	(m/s)	(K)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(g/s)	(OU/s)	
Existing WENT Landfill (Scenario 1)	WEN1	810626.7	831358.0	3.6	19	2.33	-	7.06	740	6.770E-01	2.901E-02	Negligible	1.644E-01	1.161E-01	-	-	-	-	-	-	-	- Refer to Appendix 3.5a for detailed calculations
	WEN2	810626.7	831348.0	3.6	19	2.33	-	7.06	740	6.770E-01	2.901E-02	Negligible	1.644E-01	1.161E-01	-	-	-	-	-	-	-	
	WEN3	810578.9	831317.6	3.6	8.2	2.00	-	12.25	1473	5.148E-01	3.152E-01	Negligible	6.094E+00	1.261E+00	-	-	-	-	-	-	-	
	WEN4	810586.9	831317.6	3.6	8.2	2.00	-	12.25	1473	5.148E-01	3.152E-01	Negligible	6.094E+00	1.261E+00	-	-	-	-	-	-	-	
	WEN5	810563.2	831317.3	3.6	6	0.50	-	37.10	853	4.255E-02	4.835E-03	5.964E-02	2.015E-02	1.934E-02	-	-	-	-	-	-	-	
	WEN6	810568.2	831317.3	3.6	6	0.50	-	37.10	853	4.255E-02	4.835E-03	5.964E-02	2.015E-02	1.934E-02	-	-	-	-	-	-	-	
Existing WENT Landfill (Scenario 2)	WEN1	810626.7	831358.0	3.6	19	2.33	-	7.06	740	3.761E-01	1.612E-02	Negligible	9.134E-02	6.447E-02	-	-	-	-	-	-	-	- Refer to Appendix 3.5b for detailed calculations
	WEN2	810626.7	831348.0	3.6	19	2.33	-	7.06	740	3.761E-01	1.612E-02	Negligible	9.134E-02	6.447E-02	-	-	-	-	-	-	-	
	WEN3	810578.9	831317.6	3.6	8.2	2.00	-	12.25	1473	7.266E-03	4.449E-03	Negligible	8.601E-02	1.779E-02	-	-	-	-	-	-	-	
	WEN4	810586.9	831317.6	3.6	8.2	2.00	-	12.25	1473	7.266E-03	4.449E-03	Negligible	8.601E-02	1.779E-02	-	-	-	-	-	-	-	
	WEN5	810563.2	831317.3	3.6	6	0.50	-	37.10	853	4.255E-02	4.835E-03	5.964E-02	2.015E-02	1.934E-02	-	-	-	-	-	-	-	
	WEN6	810568.2	831317.3	3.6	6	0.50	-	37.10	853	4.255E-02	4.835E-03	5.964E-02	2.015E-02	1.934E-02	-	-	-	-	-	-	-	
WENT Landfill Extension (Scenario 2)	EWEN1	810459.5	831351.4	6	19	2.33	-	7.06	740	6.770E-01	2.901E-02	Negligible	1.644E-01	1.161E-01	-	-	-	-	-	-	-	- Refer to Appendix 3.5c for detailed calculations - There is no LFG produced from WENT Landfill Extension in Year 2019, hence the emission rate for scenario 1 is zero and not shown in this appendix.
	EWEN2	810469.5	831351.4	6	19	2.33	-	7.06	740	6.770E-01	2.901E-02	Negligible	1.644E-01	1.161E-01	-	-	-	-	-	-	-	
	EWEN3	810392.9	831264.3	6	20	3.25	-	6.49	1473	5.555E-01	3.401E-01	Negligible	6.575E+00	1.360E+00	-	-	-	-	-	-	-	
	EWEN4	810400.9	831264.3	6	20	3.25	-	6.49	1473	5.555E-01	3.401E-01	Negligible	6.575E+00	1.360E+00	-	-	-	-	-	-	-	
	EWEN5	810377.2	831264.6	6	6	0.50	-	37.10	853	4.255E-02	4.835E-03	5.964E-02	2.015E-02	1.934E-02	-	-	-	-	-	-	-	
	EWEN6	810382.2	831264.6	6	6	0.50	-	37.10	853	4.255E-02	4.835E-03	5.964E-02	2.015E-02	1.934E-02	-	-	-	-	-	-	-	
EcoPark in Tuen Mun Area 38	E2	810997.7	825415.2	7	30	1.00	-	9.0	353	6.000E+00	1.740E+00	5.609E-01	1.250E+00	3.550E-01	9.180E-02	4.440E-02	6.984E-02	8.900E-04	8.000E-04	1.929E-08	-	- Emission data based on the approved EcoPark EIA Report. - The EcoPark EIA Report assessed one single stack emission at 9 different locations (source ID E1 to E9). - In this assessemtn, only one of the stack location (E2) will be assessed. - Detailed breakdown of the heavy metal emissions from ECO Park refer to Appendix 3.6.
	E2b	810997.7	825415.2	7	30	1.00		9.0	296.5	-	-	1.966E-02	-	-	1.333E+00	-	-	-	-	-	-	
	E2c	810997.7	825415.2	7	6	0.25	-	16.4	296.5	-	-	-	-	-	-	-	-	2.417E-06	-	-	-	
Shiu Wing Steel Mill (SWSM)	SW1	810243.3	825593.1	7	35	3.75	-	20.0	340	5.590E+00	-	1.780E+00	1.860E+02	-	-	-	5.874E-02	3.560E-03	3.560E-03	-	-	- Emission data based on the EIA Study of Shiu Wing Steel Mill (Tuen Mun). - Refer to Appendix 3.7 for detailed breakdown of the heavy metal emissions from Shiu Wing Steel Mill.
	SW2	810309.5	825446.3	7	35	2.09	-	15.0	393	4.890E+00	8.070E+00	2.300E-01	-	-	-	-	-	-	-	-	-	
	SW3	810421.7	825576.3	7	18	20.00	20.0	-	-	-	-	1.800E-01	-	-	-	-	-	-	-	-	-	
	SW4	810523.0	825671.6	7	2	50.00	50.0	-	-	-	-	1.870E-01	-	-	-	-	-	-	-	-	-	
	SW5	810251.8	825514.6	7	5	25.00	25.0	-	-	-	-	5.000E-02	-	-	-	-	-	-	-	-	-	
	SW6	810331.0	825513.5	7	5	20.00	20.0	-	-	-	-	4.500E-02	-	-	-	-	-	-	-	-	-	
Marine Emission (IETS Vessel During Maneuvering)	MARa1	809097.8	831413.5	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	- Refer to Appenidx 3.8 for detailed calculations
	MARa2	809145.3	831429.1	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa3	809192.8	831444.8	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa4	809240.3	831460.4	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa5	809287.8	831476.1	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa6	809335.8	831489.9	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa7	809383.8	831503.8	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa8	809431.9	831517.7	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa9	809479.9	831531.5	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa10	809527.4	831547.2	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa11	809574.9	831562.9	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa12	809622.3	831578.6	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa13	809669.8	831594.3	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa14	809717.6	831608.9	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa15	809765.5	831623.4	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa16	809813.3	831638.0	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa17	809861.1	831652.5	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa18	809908.9	831667.2	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa19	809956.7	831681.9	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa20	810004.5	831696.5	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa21	810052.3	831711.2	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa22	810100.1	831725.9	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa23	810149.9	831731.1	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa24	810199.6	831736.3	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa25	810249.3	831741.5	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa26	810299.1	831746.7	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa27	810348.8	831751.9	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa28	810398.5	831757.0	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa29	810448.3	831762.2	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa30	810498.0	831767.4	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa31	810548.0	831765.7	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa32	810597.9	831764.1	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa33	810647.9	831762.4	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa34	810697.9	831761.7	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa35	810747.9	831761.0	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa36	810797.9	831760.3	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa37	810847.9	831759.7	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa38	810897.7	831763.4	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa39	810947.6	831767.1	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa40	810997.5	831770.8	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARa41	811047.3	831774.5	0	8	0.3	-	8	530.5	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	

Appednix 3.2 Emission Inventory for Numerical Modeling (All Potential Air Pollutants)

Air Emissions from Major Point Sources within the Study Area

										Emission Rate											
	Source	X	Y	Base Elevation	Stack Height	Stack Diameter / Length of X Side	Length of Y Side	Exit Velocity	Exit Temperature	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	Remark
	ID	(m)	(m)	(mpd)	(m)	(m)	(m)	(m/s)	(K)	(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	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	- Refer to Appenidx 3.8 for detailed calculations
	MARb2	809145.3	831429.1	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb3	809192.8	831444.8	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb4	809240.3	831460.4	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb5	809287.8	831476.1	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb6	809335.8	831489.9	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb7	809383.8	831503.8	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb8	809431.9	831517.7	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb9	809479.9	831531.5	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb10	809527.4	831547.2	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb11	809574.9	831562.9	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb12	809622.3	831578.6	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb13	809669.8	831594.3	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb14	809717.6	831608.9	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb15	809765.5	831623.4	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb16	809813.3	831638.0	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb17	809861.1	831652.5	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb18	809908.9	831667.2	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb19	809956.7	831681.9	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb20	810004.5	831696.5	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb21	810052.3	831711.2	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb22	810100.1	831725.9	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb23	810149.9	831731.1	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb24	810199.6	831736.3	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb25	810249.3	831741.5	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb26	810299.1	831746.7	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb27	810348.8	831751.9	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb28	810398.5	831757.0	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb29	810448.3	831762.2	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb30	810498.0	831767.4	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb31	810548.0	831765.7	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb32	810597.9	831764.1	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb33	810647.9	831762.4	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb34	810697.9	831761.7	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb35	810747.9	831761.0	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb36	810797.9	831760.3	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb37	810847.9	831759.7	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb38	810897.7	831763.4	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb39	810947.6	831767.1	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb40	810997.5	831770.8	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
	MARb41	811047.3	831774.5	0	8	0.3	-	8	493	1.056E-02	1.008E-04	1.152E-04	-	-	-	-	-	-	-	-	-	
Marine Emission (OITF vessels During Maneuvering)	MARc1	809097.8	831413.5	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	- Refer to Appenidx 3.8 for detailed calculations
	MARc2	809145.3	831429.1	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc3	809192.8	831444.8	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc4	809240.3	831460.4	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc5	809287.8	831476.1	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc6	809335.8	831489.9	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc7	809383.8	831503.8	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc8	809431.9	831517.7	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc9	809479.9	831531.5	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc10	809527.4	831547.2	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc11	809574.9	831562.9	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc12	809622.3	831578.6	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc13	809669.8	831594.3	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc14	809717.6	831608.9	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc15	809765.5	831623.4	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc16	809813.3	831638.0	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc17	809861.1	831652.5	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc18	809908.9	831667.2	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc19	809956.7	831681.9	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc20	810004.5	831696.5	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc21	810052.3	831711.2	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc22	810100.1	831725.9	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc23	810149.9	831731.1	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc24	810199.6	831736.3	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc25	810249.3	831741.5	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc26	810299.1	831746.7	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc27	810348.8	831751.9	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc28	810398.5	831757.0	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc29	810448.3	831762.2	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc30	810498.0	831767.4	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc31	810548.0	831765.7	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc32	810597.9	831764.1	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc33	810647.9	831762.4	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc34	810697.9	831761.7	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc35	810747.9	831761.0	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc36	810797.9	831760.3	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc37	810847.9	831759.7	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc38	810897.7	831763.4	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc39	810947.6	831767.1	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc40	810997.5	831770.8	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	
	MARc41	811047.3	831774.5	0	3.5	0.2	-	8	425	5.804E-03	5.541E-05	6.332E-05	-	-	-	-	-	-	-	-	-	

Appednix 3.2 Emission Inventory for Numerical Modeling (All Potential Air Pollutants)

Air Emissions from Major Point Sources within the Study Area

										Emission Rate											
	Source	X	Y	Base Elevation	Stack Height	Stack Diameter / Length of X Side	Length of Y Side	Exit Velocity	Exit Temperature	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	Remark
	ID	(m)	(m)	(mpd)	(m)	(m)	(m)	(m/s)	(K)	(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)	MARd1/MARe1	809097.8	831413.5	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	- Refer to Appenidx 3.8 for detailed calculations
	MARd2/MARe2	809145.3	831429.1	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd3/MARe3	809192.8	831444.8	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd4/MARe4	809240.3	831460.4	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd5/MARe5	809287.8	831476.1	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd6//MARe6	809335.8	831489.9	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd7/MARe7	809383.8	831503.8	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd8/MARe8	809431.9	831517.7	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd9/MARe9	809479.9	831531.5	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd10/MARe10	809527.4	831547.2	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd11/MARe11	809574.9	831562.9	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd12/MARe12	809622.3	831578.6	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd13/MARe13	809669.8	831594.3	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd14/MARe14	809717.6	831608.9	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd15/MARe15	809765.5	831623.4	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd16//MARe16	809813.3	831638.0	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd17/MARe17	809861.1	831652.5	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd18/MARe18	809908.9	831667.2	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd19/MARe19	809956.7	831681.9	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd20/MARe20	810004.5	831696.5	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd21/MARe21	810052.3	831711.2	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd22/MARe22	810100.1	831725.9	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd23/MARe23	810149.9	831731.1	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd24/MARe24	810199.6	831736.3	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd25/MARe25	810249.3	831741.5	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd26/MARe26	810299.1	831746.7	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd27/MARe27	810348.8	831751.9	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd28/MARe28	810398.5	831757.0	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd29/MARe29	810448.3	831762.2	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd30/MARe30	810498.0	831767.4	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd31/MARe31	810548.0	831765.7	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd32/MARe32	810597.9	831764.1	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd33/MARe33	810647.9	831762.4	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd34/MARe34	810697.9	831761.7	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd35/MARe35	810747.9	831761.0	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd36/MARe36	810797.9	831760.3	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd37/MARe37	810847.9	831759.7	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd38/MARe38	810897.7	831763.4	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd39/MARe39	810947.6	831767.1	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd40/MARe40	810997.5	831770.8	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
	MARd41/MARe41	811047.3	831774.5	0	11	0.2	-	8	699/588	2.178E-02	2.079E-04	2.375E-04	-	-	-	-	-	-	-	-	-	
Marine Emission (West Kowloon vessels During Maneuvering)	MARf1/MARg1	809097.8	831413.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	- Refer to Appenidx 3.8 for detailed calculations
	MARf2/MARg2	809145.3	831429.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf3/MARg3	809192.8	831444.8	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf4/MARg4	809240.3	831460.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf5/MARg5	809287.8	831476.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf6//MARg6	809335.8	831489.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf7/MARg7	809383.8	831503.8	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf8/MARg8	809431.9	831517.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf9/MARg9	809479.9	831531.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf10/MARg10	809527.4	831547.2	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf11/MARg11	809574.9	831562.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf12/MARg12	809622.3	831578.6	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf13/MARg13	809669.8	831594.3	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf14/MARg14	809717.6	831608.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf15/MARg15	809765.5	831623.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf16//MARg16	809813.3	831638.0	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf17/MARg17	809861.1	831652.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf18/MARg18	809908.9	831667.2	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf19/MARg19	809956.7	831681.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf20/MARg20	810004.5	831696.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf21/MARg21	810052.3	831711.2	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf22/MARg22	810100.1	831725.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf23/MARg23	810149.9	831731.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf24/MARg24	810199.6	831736.3	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf25/MARg25	810249.3	831741.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf26/MARg26	810299.1	831746.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf27/MARg27	810348.8	831751.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf28/MARg28	810398.5	831757.0	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf29/MARg29	810448.3	831762.2	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf30/MARg30	810498.0	831767.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf31/MARg31	810548.0	831765.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf32/MARg32	810597.9	831764.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf33/MARg33	810647.9	831762.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf34/MARg34	810697.9	831761.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf35/MARg35	810747.9	831761.0	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf36/MARg36	810797.9	831760.3	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf37/MARg37	810847.9	831759.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf38/MARg38	810897.7	831763.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf39/MARg39	810947.6	831767.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf40/MARg40	810997.5	831770.8	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARf41/MARg41	811047.3	831774.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	

Appednix 3.2 Emission Inventory for Numerical Modeling (All Potential Air Pollutants)

Air Emissions from Major Point Sources within the Study Area

										Emission Rate											
	Source	X	Y	Base Elevation	Stack Height	Stack Diameter / Length of X Side	Length of Y Side	Exit Velocity	Exit Temperature	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	Remark
	ID	(m)	(m)	(mpd)	(m)	(m)	(m)	(m/s)	(K)	(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 (Addition vessels fro STF During Maneuvering)	MARh1/MARi1	809097.8	831413.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	- Refer to Appenidx 3.8 for detailed calculations
	MARh2//MARi2	809145.3	831429.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh3//MARi3	809192.8	831444.8	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh4//MARi4	809240.3	831460.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh5//MARi5	809287.8	831476.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh6//MARi6	809335.8	831489.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh7/MARi7	809383.8	831503.8	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh8/MARi8	809431.9	831517.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh9/MARi9	809479.9	831531.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh10/MARi10	809527.4	831547.2	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh11/MARi11	809574.9	831562.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh12/MARi12	809622.3	831578.6	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh13/MARi13	809669.8	831594.3	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh14/MARi14	809717.6	831608.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh15/MARi15	809765.5	831623.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh16//MARi16	809813.3	831638.0	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh17/MARi17	809861.1	831652.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh18/MARi18	809908.9	831667.2	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh19/MARi19	809956.7	831681.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh20/MARi20	810004.5	831696.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh21/MARi21	810052.3	831711.2	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh22/MARi22	810100.1	831725.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh23/MARi23	810149.9	831731.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh24/MARi24	810199.6	831736.3	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh25/MARi25	810249.3	831741.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh26/MARi26	810299.1	831746.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh27/MARi27	810348.8	831751.9	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh28/MARi28	810398.5	831757.0	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh29/MARi29	810448.3	831762.2	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh30/MARi30	810498.0	831767.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh31/MARi31	810548.0	831765.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh32/MARi32	810597.9	831764.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh33/MARi33	810647.9	831762.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh34/MARi34	810697.9	831761.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh35/MARi35	810747.9	831761.0	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh36/MARi36	810797.9	831760.3	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh37/MARi37	810847.9	831759.7	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh38/MARi38	810897.7	831763.4	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh39/MARi39	810947.6	831767.1	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh40/MARi40	810997.5	831770.8	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
	MARh41/MARi41	811047.3	831774.5	0	12/11.5	0.25/0.16	-	8	873/673	1.691E-02	1.614E-04	1.844E-04	-	-	-	-	-	-	-	-	-	
Marine Emission (During Idling)	MAR12	811080.0	831779.6	0	8	0.3	-	8	531	2.750E-01	2.625E-03	3.000E-03	-	-	-	-	-	-	-	-	-	- Refer to Appenidx 3.8 for detailed calculations
	MAR13	811174.4	831812.6	0	8	0.3	-	8	493	2.750E-01	2.625E-03	3.000E-03	-	-	-	-	-	-	-	-	-	
	MAR14	811268.5	831846.7	0	3.5	0.1	-	8	425	2.552E-01	2.436E-03	2.784E-03	-	-	-	-	-	-	-	-	-	
	MAR15	811362.1	831881.8	0	11	0.2	-	8	588	1.254E+00	1.197E-02	1.368E-02	-	-	-	-	-	-	-	-	-	
	MAR16	811455.7	831917.0	0	11	0.2	-	8	588	1.254E+00	1.197E-02	1.368E-02	-	-	-	-	-	-	-	-	-	

Appednix 3.2 Emission Inventory for Numerical Modeling (All Potential Air Pollutants)

Air Emissions from Major Point Sources within the Study Area

										Emission Rate											
	Source	X	Y	Base Elevation	Stack Height	Stack Diameter / Length of X Side	Length of Y Side	Exit Velocity	Exit Temperature	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	Remark
	ID	(m)	(m)	(mpd)	(m)	(m)	(m)	(m/s)	(K)	(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)	
Industrial Chimney	IN8	814830.0	828690.0	6.1	102.8	0.610	-	8.0	473	2.713E-01	9.630E-01	2.713E-02	-	-	-	-	-	-	-	-	-	- Refer to Appendix 3.9 for detailed calculations.
	IN9	814840.0	828580.0	6.1	93.4	0.365	-	8.0	473	9.712E-02	3.448E-01	9.712E-03	-	-	-	-	-	-	-	-	-	
	IN10	814840.0	828590.0	6.1	90.0	0.406	-	8.0	473	1.202E-01	4.266E-01	1.202E-02	-	-	-	-	-	-	-	-	-	
	IN11	814850.0	828380.0	5.6	57.5	0.308	-	8.0	473	6.916E-02	2.455E-01	6.916E-03	-	-	-	-	-	-	-	-	-	
	IN12	814850.0	828560.0	6.1	88.1	0.300	-	8.0	473	6.561E-02	2.329E-01	6.561E-03	-	-	-	-	-	-	-	-	-	
	IN13	814860.0	828730.0	7.0	97.7	0.940	-	8.0	473	6.442E-01	2.287E+00	6.442E-02	-	-	-	-	-	-	-	-	-	
	IN14	814890.0	828390.0	5.6	72.6	0.510	-	8.0	473	1.896E-01	6.731E-01	1.896E-02	-	-	-	-	-	-	-	-	-	
	IN17	814900.0	828830.0	21.6	97.4	1.150	-	8.0	473	9.641E-01	3.423E+00	9.641E-02	-	-	-	-	-	-	-	-	-	
	IN18	814970.0	829010.0	13.7	150.4	0.750	-	8.0	473	4.101E-01	1.456E+00	4.101E-02	-	-	-	-	-	-	-	-	-	
	IN19	814980.0	829010.0	13.7	150.4	0.750	-	8.0	473	4.101E-01	1.456E+00	4.101E-02	-	-	-	-	-	-	-	-	-	
	IN22	815030.0	828140.0	4.7	63.7	0.250	-	8.0	473	4.556E-02	1.617E-01	4.556E-03	-	-	-	-	-	-	-	-	-	
	IN23	815040.0	828280.0	5.3	48.5	0.559	-	8.0	473	2.278E-01	8.087E-01	2.278E-02	-	-	-	-	-	-	-	-	-	
	IN25	815080.0	828140.0	4.5	76.8	0.300	-	8.0	473	6.561E-02	2.329E-01	6.561E-03	-	-	-	-	-	-	-	-	-	
	IN27	815090.0	828130.0	4.6	44.0	0.457	-	8.0	473	1.523E-01	5.405E-01	1.523E-02	-	-	-	-	-	-	-	-	-	
	IN28	815090.0	828150.0	4.7	87.6	0.560	-	8.0	473	2.286E-01	8.116E-01	2.286E-02	-	-	-	-	-	-	-	-	-	
	IN29	815100.0	828070.0	4.4	64.0	0.546	-	8.0	473	2.173E-01	7.715E-01	2.173E-02	-	-	-	-	-	-	-	-	-	
	IN30	815100.0	828140.0	4.5	60.0	0.250	-	8.0	473	4.556E-02	1.617E-01	4.556E-03	-	-	-	-	-	-	-	-	-	
	IN32	815120.0	829270.0	8.3	21.3	0.356	-	8.0	473	9.239E-02	3.280E-01	9.239E-03	-	-	-	-	-	-	-	-	-	
	IN34	815160.0	828790.0	6.1	65.7	0.965	-	8.0	473	6.789E-01	2.410E+00	6.789E-02	-	-	-	-	-	-	-	-	-	
	IN35	815160.0	828790.0	6.1	65.7	0.406	-	8.0	473	1.202E-01	4.266E-01	1.202E-02	-	-	-	-	-	-	-	-	-	
	IN39	815470.0	827580.0	4.8	58.3	0.450	-	8.0	473	1.476E-01	5.241E-01	1.476E-02	-	-	-	-	-	-	-	-	-	
	IN40	815540.0	827640.0	5.1	69.8	0.427	-	8.0	473	1.329E-01	4.719E-01	1.329E-02	-	-	-	-	-	-	-	-	-	
	IN41	815770.0	830350.0	7.2	33.8	0.332	-	8.0	473	8.035E-02	2.853E-01	8.035E-03	-	-	-	-	-	-	-	-	-	
	IN42	815810.0	831110.0	12.0	24.1	0.630	-	8.0	473	2.893E-01	1.027E+00	2.893E-02	-	-	-	-	-	-	-	-	-	
	IN43	815820.0	831110.0	10.9	23.6	0.660	-	8.0	473	3.176E-01	1.127E+00	3.176E-02	-	-	-	-	-	-	-	-	-	
	IN44	815840.0	826820.0	4.4	17.0	0.450	-	8.0	473	1.476E-01	5.241E-01	1.476E-02	-	-	-	-	-	-	-	-	-	
	IN45	815970.0	830990.0	10.6	13.4	0.373	-	8.0	473	1.014E-01	3.601E-01	1.014E-02	-	-	-	-	-	-	-	-	-	
	IN46	815990.0	827720.0	5.8	80.9	0.305	-	8.0	473	6.782E-02	2.407E-01	6.782E-03	-	-	-	-	-	-	-	-	-	
	IN47	816310.0	831130.0	7.8	15.2	0.200	-	8.0	473	2.916E-02	1.035E-01	2.916E-03	-	-	-	-	-	-	-	-	-	
	IN49	816590.0	831180.0	12.2	24.4	0.610	-	8.0	473	2.713E-01	9.630E-01	2.713E-02	-	-	-	-	-	-	-	-	-	
	IN50	816930.0	831280.0	16.5	20.0	0.450		8.0	473	1.476E-01	5.241E-01	1.476E-02	-	-	-	-	-	-	-	-	-	
	N1	814941.3	828624.0	5.8	45.2	0.350	-	8.0	473	8.930E-02	3.170E-01	8.930E-03	-	-	-	-	-	-	-	-	-	
	N2	815147.9	828757.0	6.0	74.2	0.460	-	8.0	473	1.543E-01	5.476E-01	1.543E-02	-	-	-	-	-	-	-	-	-	
	N3	815783.3	829257.4	5.8	89.9	0.300	-	8.0	473	6.561E-02	2.329E-01	6.561E-03	-	-	-	-	-	-	-	-	-	
	N6	815512.3	828801.8	5.1	93.9	0.390	-	8.0	473	1.109E-01	3.936E-01	1.109E-02	-	-	-	-	-	-	-	-	-	
	N8a	814789.4	828283.4	5.6	42.1	0.426	-	8.0	473	1.323E-01	4.697E-01	1.323E-02	-	-	-	-	-	-	-	-	-	
	N8b	814790.3	828302.6	5.6	37.1	0.560	-	8.0	473	2.286E-01	8.116E-01	2.286E-02	-	-	-	-	-	-	-	-	-	
	N9	814862.2	828400.5	5.6	71.7	0.510	-	8.0	473	1.896E-01	6.731E-01	1.896E-02	-	-	-	-	-	-	-	-	-	
	N10a	815558.4	829869.4	8.2	55.5	0.543	-	8.0	473	2.149E-01	7.631E-01	2.149E-02	-	-	-	-	-	-	-	-	-	
	N10b	815526.0	829851.7	8.2	55.5	0.600	-	8.0	473	2.624E-01	9.317E-01	2.624E-02	-	-	-	-	-	-	-	-	-	