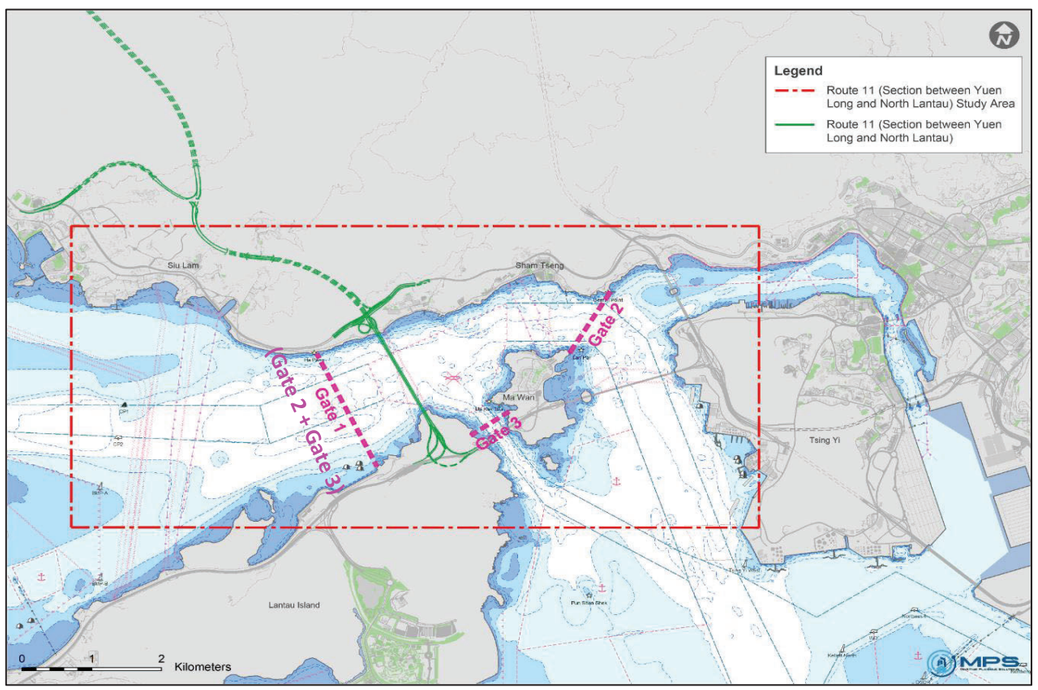
Annex I
Marine Emission Rate for Tsing Lung Tau Fairway in Year 2048
River Trade Vessels_Gate 2

Marine Traffic Information

Assessment Year 2048
Assessed Vessel Type River Trade Vessels
Gate 2



Marine Traffic Information from Marine Traffic Consultants

Location	Monthly Vessel Count in Dec [1]	Travelling Speed (knots) [2]	Length of Sailing Route (m) [3]
Gate 2	10,689	6	3,100

Notes:

[1] Monthly Vessel Count is advised by Marine Traffic Consultant and accepted by Marine Department.

[2] Average speed of 6 knot is provided by Marine Traffic Consultant and assumed to be constant throughout the channel (i.e. Gate 1 to Gate 2).

[3] Possible maximum length of sailing route is estimated for conservative assessment.

Marine Emission Inventory

Total Emission Rate

Group [1]	Vessel Type	Emission Rate per Trip (g/s) [2]			Annual No. of Vessel Arrivals in Year 2019 [3]	Composite Emission Rate per Trip (g/s) [4]		
		NO_X	RSP	FSP		NOx	RSP	FSP
1	Fully Cellular Container Vessel	0.138	0.004	0.004	34718	0.136	0.004	0.004
	Semi-container Vessel	0.128	0.004	0.004	9943			
2	Conventional Cargo Vessel	0.127	0.004	0.004	-	0.127	0.015	0.014
3	Dry Bulk Carrier	0.134	0.004	0.004	-	0.134	0.004	0.004
4	Tug	0.427	0.023	0.022	-	0.427	0.023	0.022
5	Chemical Carrier	0.338	0.015	0.014	247	0.341	0.015	0.014
	Gas Carrier	0.343	0.015	0.015	134			
	Oil Tanker	0.343	0.015	0.015	419			
6	Mechanised Lighter/Barge/Cargo Junk	0.151	0.005	0.005	-	0.151	0.005	0.005

Engine in Operation

Engine	On (1) or Off (0) [2]
ME	1
AE	1

Notes:

[1] The vessel type is grouped according to the modelling parameter (i.e. stack height, exit temperature, exit velocity etc). Vessel types with the identical modelling parameters will be grouped.

[2] Main and auxiliary engine are assumed in operation during maneuvering for conservative assessment with reference to Table 3-25 of Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012). The emission rate per trip considers the emission from the engine in operation as indicated in the table "Engine in Operation", and the calculation is documented in the "Technical Notes on Marine Emission for So Kwun Wat and Tsing Lung Tau Areas" submitted to EPD.

[3] Marine Traffic Consultant has provided the total number of RTVs but without breakdown into different vessel types. Hence, reference has been made to Marine Department's Vessels Arrivals by Ship Type and Ocean/River (https://www.mardep.gov.hk/en/fact/pdf/portstat_2_y_a2.pdf). Due to the pandemic situation, there was a significant change in marine traffic from Year 2020 to Year 2022. In view of this, the monthly profile of Year 2019 is considered the most appropriate and therefore adopted and assumed the same for future years.

[4] The emission rate per trip is calculated based on the following equation. Breakdown is provided and documented in "Technical Notes on Marine Emission for So Kwun Wat and Tsing Lung Tau Areas" submitted to EPD and emission rates are evenly apportioned into point sources in the model as shown in subsequent pages of this Appendix.

Engine Emission Rate per Trip = (i)Time-in-mode x (ii)Engine Load Factors x (iii) Engine Power x (iv) Emission Factor, where

(i) Time-in-mode is calculated from the average speed and possible maximum length of sailing route within assessment area provided by Marine Traffic Consultant.

(ii) Engine Load Factors are made reference to Table 4-7, Table 4-10 and Table 3-24 of Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012).

(iii) The average engine powers are made reference to Table 4-5 and Table 4-6 of the Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012).

(iv) The emission factor is made reference to Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012) Table 4-16. Under the Air Pollution Control (Fuel for Vessels) Regulation, all vessels assumed to use MGO due to requirement to fuel switch to compliant fuel (sulphur content <=0.5%) within Hong Kong waters.

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	1	G2_R1_001	POINT	822595.8	824407.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_002	POINT	822548.2	824390.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_003	POINT	822500.7	824373.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_004	POINT	822453.2	824356.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_005	POINT	822405.7	824339.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_006	POINT	822358.2	824322.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_007	POINT	822310.7	824305.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_008	POINT	822263.2	824288.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_009	POINT	822215.7	824271.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_010	POINT	822168.2	824254.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_011	POINT	822120.4	824238.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_012	POINT	822072.2	824223.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_013	POINT	822024	824208.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_014	POINT	821975.8	824194.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_015	POINT	821927.6	824179.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_016	POINT	821879.3	824165.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_017	POINT	821830.9	824151.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_018	POINT	821782.5	824137.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_019	POINT	821734.1	824124	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_020	POINT	821685.7	824110.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_021	POINT	821637.2	824096.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_022	POINT	821588.8	824082.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_023	POINT	821540.4	824069	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_024	POINT	821492	824055.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_025	POINT	821443.6	824041.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_026	POINT	821394.9	824029.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_027	POINT	821345.3	824021.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_028	POINT	821295.8	824013.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_029	POINT	821246.2	824005.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_030	POINT	821196.6	823998.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_031	POINT	821147.1	823990.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_032	POINT	821097.5	823982.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_033	POINT	821048	823974.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_034	POINT	820998.4	823966.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_035	POINT	823096.3	824077.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_036	POINT	823051	824054.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_037	POINT	823005.8	824031.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_038	POINT	822960.6	824008	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_039	POINT	822915.4	823984.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_040	POINT	822870.1	823961.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_041	POINT	822824.9	823938.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_042	POINT	822779.7	823915.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_043	POINT	822734.4	823892.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_044	POINT	822689.2	823869.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_045	POINT	822644	823846.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	1	G2_R1_046	POINT	822598.8	823823	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_047	POINT	822553.5	823799.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_048	POINT	822508.3	823776.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_049	POINT	822463.1	823753.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_050	POINT	822417.8	823730.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_051	POINT	822372.6	823707.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_052	POINT	822327.4	823684.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_053	POINT	822282.2	823661.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_054	POINT	822236.9	823638	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_055	POINT	822191.7	823614.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_056	POINT	822146.5	823591.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_057	POINT	822100.5	823570.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_058	POINT	822054.5	823549	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_059	POINT	822008.5	823527.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_060	POINT	821962.5	823506.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_061	POINT	821916.5	823485.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_062	POINT	821870.6	823463.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_063	POINT	821824.6	823442.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_064	POINT	821778.6	823421.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_065	POINT	821732.6	823399.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_066	POINT	821686.6	823378.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_067	POINT	821640.6	823357.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_068	POINT	821594.6	823335.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_069	POINT	821548.6	823314.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_070	POINT	821502.6	823293.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_071	POINT	821456.6	823272	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_072	POINT	821410.6	823250.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_073	POINT	821364.6	823229.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_074	POINT	821318.6	823208	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_075	POINT	821272.6	823186.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_076	POINT	821226.6	823165.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_077	POINT	821180.6	823144.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_078	POINT	821134.6	823122.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_079	POINT	823119.7	823587.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_080	POINT	823075.8	823561.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_081	POINT	823031.9	823535.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_082	POINT	822988	823509.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_083	POINT	822944.2	823483.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_084	POINT	822900.3	823457.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_085	POINT	822856.4	823431.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_086	POINT	822812.5	823405.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_087	POINT	822768.7	823379.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_088	POINT	822724.8	823353.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_089	POINT	822680.9	823327.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_090	POINT	822637	823301.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	1	G2_R1_091	POINT	822593.1	823275.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_092	POINT	822549.2	823249.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_093	POINT	822505.4	823223.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_094	POINT	822461.5	823197.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_095	POINT	822417.6	823171.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_096	POINT	822373.7	823145.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_097	POINT	822329.8	823119.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_098	POINT	822286	823093.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_099	POINT	822242.1	823067.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_100	POINT	822198.2	823042	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_101	POINT	822154.3	823016	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_102	POINT	822110.4	822990.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_103	POINT	822065.8	822965.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_104	POINT	822021.2	822941	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_105	POINT	821976.7	822916.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_106	POINT	821932.1	822891.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_107	POINT	821887.5	822867.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_108	POINT	821842.9	822842.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_109	POINT	821798.4	822818.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_110	POINT	821753.8	822793.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_111	POINT	821709.2	822769.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_112	POINT	821664.6	822744.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_113	POINT	821620	822720.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_114	POINT	821575.5	822695.6	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_115	POINT	821530.9	822671	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_116	POINT	821486.3	822646.5	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_117	POINT	821441.7	822621.9	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_118	POINT	821397.1	822597.4	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_119	POINT	821352.6	822572.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_120	POINT	821308	822548.3	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_121	POINT	821263.4	822523.8	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_122	POINT	821218.8	822499.2	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_123	POINT	821174.2	822474.7	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	1	G2_R1_124	POINT	821129.7	822450.1	0	34.2	537	24.6	1.9	1.10E-03	3.52E-05	3.41E-05
2	2	G2_R2_001	POINT	822595.8	824407.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_002	POINT	822548.2	824390.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_003	POINT	822500.7	824373.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_004	POINT	822453.2	824356.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_005	POINT	822405.7	824339.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_006	POINT	822358.2	824322.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_007	POINT	822310.7	824305.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_008	POINT	822263.2	824288.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_009	POINT	822215.7	824271.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_010	POINT	822168.2	824254.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_011	POINT	822120.4	824238.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	2	G2_R2_012	POINT	822072.2	824223.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_013	POINT	822024	824208.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_014	POINT	821975.8	824194.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_015	POINT	821927.6	824179.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_016	POINT	821879.3	824165.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_017	POINT	821830.9	824151.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_018	POINT	821782.5	824137.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_019	POINT	821734.1	824124	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_020	POINT	821685.7	824110.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_021	POINT	821637.2	824096.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_022	POINT	821588.8	824082.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_023	POINT	821540.4	824069	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_024	POINT	821492	824055.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_025	POINT	821443.6	824041.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_026	POINT	821394.9	824029.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_027	POINT	821345.3	824021.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_028	POINT	821295.8	824013.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_029	POINT	821246.2	824005.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_030	POINT	821196.6	823998.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_031	POINT	821147.1	823990.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_032	POINT	821097.5	823982.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_033	POINT	821048	823974.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_034	POINT	820998.4	823966.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_035	POINT	823096.3	824077.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_036	POINT	823051	824054.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_037	POINT	823005.8	824031.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_038	POINT	822960.6	824008	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_039	POINT	822915.4	823984.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_040	POINT	822870.1	823961.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_041	POINT	822824.9	823938.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_042	POINT	822779.7	823915.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_043	POINT	822734.4	823892.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_044	POINT	822689.2	823869.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_045	POINT	822644	823846.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_046	POINT	822598.8	823823	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_047	POINT	822553.5	823799.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_048	POINT	822508.3	823776.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_049	POINT	822463.1	823753.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_050	POINT	822417.8	823730.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_051	POINT	822372.6	823707.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_052	POINT	822327.4	823684.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_053	POINT	822282.2	823661.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_054	POINT	822236.9	823638	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_055	POINT	822191.7	823614.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_056	POINT	822146.5	823591.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	2	G2_R2_057	POINT	822100.5	823570.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_058	POINT	822054.5	823549	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_059	POINT	822008.5	823527.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_060	POINT	821962.5	823506.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_061	POINT	821916.5	823485.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_062	POINT	821870.6	823463.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_063	POINT	821824.6	823442.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_064	POINT	821778.6	823421.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_065	POINT	821732.6	823399.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_066	POINT	821686.6	823378.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_067	POINT	821640.6	823357.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_068	POINT	821594.6	823335.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_069	POINT	821548.6	823314.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_070	POINT	821502.6	823293.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_071	POINT	821456.6	823272	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_072	POINT	821410.6	823250.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_073	POINT	821364.6	823229.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_074	POINT	821318.6	823208	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_075	POINT	821272.6	823186.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_076	POINT	821226.6	823165.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_077	POINT	821180.6	823144.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_078	POINT	821134.6	823122.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_079	POINT	823119.7	823587.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_080	POINT	823075.8	823561.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_081	POINT	823031.9	823535.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_082	POINT	822988	823509.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_083	POINT	822944.2	823483.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_084	POINT	822900.3	823457.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_085	POINT	822856.4	823431.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_086	POINT	822812.5	823405.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_087	POINT	822768.7	823379.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_088	POINT	822724.8	823353.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_089	POINT	822680.9	823327.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_090	POINT	822637	823301.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_091	POINT	822593.1	823275.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_092	POINT	822549.2	823249.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_093	POINT	822505.4	823223.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_094	POINT	822461.5	823197.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_095	POINT	822417.6	823171.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_096	POINT	822373.7	823145.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_097	POINT	822329.8	823119.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_098	POINT	822286	823093.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_099	POINT	822242.1	823067.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_100	POINT	822198.2	823042	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_101	POINT	822154.3	823016	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	2	G2_R2_102	POINT	822110.4	822990.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_103	POINT	822065.8	822965.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_104	POINT	822021.2	822941	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_105	POINT	821976.7	822916.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_106	POINT	821932.1	822891.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_107	POINT	821887.5	822867.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_108	POINT	821842.9	822842.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_109	POINT	821798.4	822818.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_110	POINT	821753.8	822793.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_111	POINT	821709.2	822769.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_112	POINT	821664.6	822744.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_113	POINT	821620	822720.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_114	POINT	821575.5	822695.6	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_115	POINT	821530.9	822671	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_116	POINT	821486.3	822646.5	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_117	POINT	821441.7	822621.9	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_118	POINT	821397.1	822597.4	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_119	POINT	821352.6	822572.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_120	POINT	821308	822548.3	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_121	POINT	821263.4	822523.8	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_122	POINT	821218.8	822499.2	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_123	POINT	821174.2	822474.7	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	2	G2_R2_124	POINT	821129.7	822450.1	0	11	555	25	0.8	1.03E-03	1.20E-04	1.17E-04
2	3	G2_R3_001	POINT	822595.8	824407.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_002	POINT	822548.2	824390.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_003	POINT	822500.7	824373.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_004	POINT	822453.2	824356.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_005	POINT	822405.7	824339.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_006	POINT	822358.2	824322.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_007	POINT	822310.7	824305.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_008	POINT	822263.2	824288.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_009	POINT	822215.7	824271.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_010	POINT	822168.2	824254.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_011	POINT	822120.4	824238.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_012	POINT	822072.2	824223.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_013	POINT	822024	824208.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_014	POINT	821975.8	824194.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_015	POINT	821927.6	824179.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_016	POINT	821879.3	824165.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_017	POINT	821830.9	824151.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_018	POINT	821782.5	824137.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_019	POINT	821734.1	824124	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_020	POINT	821685.7	824110.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_021	POINT	821637.2	824096.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_022	POINT	821588.8	824082.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	3	G2_R3_023	POINT	821540.4	824069	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_024	POINT	821492	824055.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_025	POINT	821443.6	824041.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_026	POINT	821394.9	824029.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_027	POINT	821345.3	824021.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_028	POINT	821295.8	824013.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_029	POINT	821246.2	824005.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_030	POINT	821196.6	823998.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_031	POINT	821147.1	823990.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_032	POINT	821097.5	823982.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_033	POINT	821048	823974.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_034	POINT	820998.4	823966.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_035	POINT	823096.3	824077.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_036	POINT	823051	824054.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_037	POINT	823005.8	824031.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_038	POINT	822960.6	824008	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_039	POINT	822915.4	823984.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_040	POINT	822870.1	823961.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_041	POINT	822824.9	823938.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_042	POINT	822779.7	823915.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_043	POINT	822734.4	823892.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_044	POINT	822689.2	823869.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_045	POINT	822644	823846.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_046	POINT	822598.8	823823	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_047	POINT	822553.5	823799.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_048	POINT	822508.3	823776.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_049	POINT	822463.1	823753.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_050	POINT	822417.8	823730.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_051	POINT	822372.6	823707.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_052	POINT	822327.4	823684.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_053	POINT	822282.2	823661.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_054	POINT	822236.9	823638	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_055	POINT	822191.7	823614.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_056	POINT	822146.5	823591.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_057	POINT	822100.5	823570.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_058	POINT	822054.5	823549	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_059	POINT	822008.5	823527.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_060	POINT	821962.5	823506.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_061	POINT	821916.5	823485.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_062	POINT	821870.6	823463.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_063	POINT	821824.6	823442.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_064	POINT	821778.6	823421.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_065	POINT	821732.6	823399.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_066	POINT	821686.6	823378.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_067	POINT	821640.6	823357.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	3	G2_R3_068	POINT	821594.6	823335.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_069	POINT	821548.6	823314.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_070	POINT	821502.6	823293.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_071	POINT	821456.6	823272	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_072	POINT	821410.6	823250.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_073	POINT	821364.6	823229.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_074	POINT	821318.6	823208	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_075	POINT	821272.6	823186.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_076	POINT	821226.6	823165.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_077	POINT	821180.6	823144.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_078	POINT	821134.6	823122.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_079	POINT	823119.7	823587.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_080	POINT	823075.8	823561.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_081	POINT	823031.9	823535.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_082	POINT	822988	823509.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_083	POINT	822944.2	823483.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_084	POINT	822900.3	823457.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_085	POINT	822856.4	823431.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_086	POINT	822812.5	823405.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_087	POINT	822768.7	823379.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_088	POINT	822724.8	823353.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_089	POINT	822680.9	823327.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_090	POINT	822637	823301.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_091	POINT	822593.1	823275.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_092	POINT	822549.2	823249.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_093	POINT	822505.4	823223.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_094	POINT	822461.5	823197.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_095	POINT	822417.6	823171.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_096	POINT	822373.7	823145.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_097	POINT	822329.8	823119.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_098	POINT	822286	823093.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_099	POINT	822242.1	823067.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_100	POINT	822198.2	823042	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_101	POINT	822154.3	823016	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_102	POINT	822110.4	822990.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_103	POINT	822065.8	822965.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_104	POINT	822021.2	822941	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_105	POINT	821976.7	822916.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_106	POINT	821932.1	822891.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_107	POINT	821887.5	822867.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_108	POINT	821842.9	822842.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_109	POINT	821798.4	822818.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_110	POINT	821753.8	822793.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_111	POINT	821709.2	822769.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_112	POINT	821664.6	822744.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	3	G2_R3_113	POINT	821620	822720.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_114	POINT	821575.5	822695.6	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_115	POINT	821530.9	822671	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_116	POINT	821486.3	822646.5	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_117	POINT	821441.7	822621.9	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_118	POINT	821397.1	822597.4	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_119	POINT	821352.6	822572.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_120	POINT	821308	822548.3	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_121	POINT	821263.4	822523.8	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_122	POINT	821218.8	822499.2	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_123	POINT	821174.2	822474.7	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	3	G2_R3_124	POINT	821129.7	822450.1	0	8	555	25	0.8	1.08E-03	3.46E-05	3.35E-05
2	4	G2_R4_001	POINTHOR	822595.8	824407.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_002	POINTHOR	822548.2	824390.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_003	POINTHOR	822500.7	824373.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_004	POINTHOR	822453.2	824356.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_005	POINTHOR	822405.7	824339.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_006	POINTHOR	822358.2	824322.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_007	POINTHOR	822310.7	824305.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_008	POINTHOR	822263.2	824288.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_009	POINTHOR	822215.7	824271.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_010	POINTHOR	822168.2	824254.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_011	POINTHOR	822120.4	824238.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_012	POINTHOR	822072.2	824223.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_013	POINTHOR	822024	824208.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_014	POINTHOR	821975.8	824194.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_015	POINTHOR	821927.6	824179.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_016	POINTHOR	821879.3	824165.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_017	POINTHOR	821830.9	824151.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_018	POINTHOR	821782.5	824137.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_019	POINTHOR	821734.1	824124	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_020	POINTHOR	821685.7	824110.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_021	POINTHOR	821637.2	824096.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_022	POINTHOR	821588.8	824082.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_023	POINTHOR	821540.4	824069	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_024	POINTHOR	821492	824055.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_025	POINTHOR	821443.6	824041.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_026	POINTHOR	821394.9	824029.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_027	POINTHOR	821345.3	824021.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_028	POINTHOR	821295.8	824013.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_029	POINTHOR	821246.2	824005.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_030	POINTHOR	821196.6	823998.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_031	POINTHOR	821147.1	823990.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_032	POINTHOR	821097.5	823982.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_033	POINTHOR	821048	823974.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	4	G2_R4_034	POINTHOR	820998.4	823966.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_035	POINTHOR	823096.3	824077.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_036	POINTHOR	823051	824054.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_037	POINTHOR	823005.8	824031.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_038	POINTHOR	822960.6	824008	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_039	POINTHOR	822915.4	823984.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_040	POINTHOR	822870.1	823961.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_041	POINTHOR	822824.9	823938.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_042	POINTHOR	822779.7	823915.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_043	POINTHOR	822734.4	823892.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_044	POINTHOR	822689.2	823869.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_045	POINTHOR	822644	823846.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_046	POINTHOR	822598.8	823823	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_047	POINTHOR	822553.5	823799.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_048	POINTHOR	822508.3	823776.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_049	POINTHOR	822463.1	823753.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_050	POINTHOR	822417.8	823730.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_051	POINTHOR	822372.6	823707.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_052	POINTHOR	822327.4	823684.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_053	POINTHOR	822282.2	823661.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_054	POINTHOR	822236.9	823638	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_055	POINTHOR	822191.7	823614.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_056	POINTHOR	822146.5	823591.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_057	POINTHOR	822100.5	823570.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_058	POINTHOR	822054.5	823549	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_059	POINTHOR	822008.5	823527.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_060	POINTHOR	821962.5	823506.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_061	POINTHOR	821916.5	823485.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_062	POINTHOR	821870.6	823463.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_063	POINTHOR	821824.6	823442.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_064	POINTHOR	821778.6	823421.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_065	POINTHOR	821732.6	823399.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_066	POINTHOR	821686.6	823378.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_067	POINTHOR	821640.6	823357.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_068	POINTHOR	821594.6	823335.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_069	POINTHOR	821548.6	823314.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_070	POINTHOR	821502.6	823293.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_071	POINTHOR	821456.6	823272	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_072	POINTHOR	821410.6	823250.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_073	POINTHOR	821364.6	823229.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_074	POINTHOR	821318.6	823208	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_075	POINTHOR	821272.6	823186.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_076	POINTHOR	821226.6	823165.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_077	POINTHOR	821180.6	823144.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_078	POINTHOR	821134.6	823122.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	4	G2_R4_079	POINTHOR	823119.7	823587.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_080	POINTHOR	823075.8	823561.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_081	POINTHOR	823031.9	823535.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_082	POINTHOR	822988	823509.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_083	POINTHOR	822944.2	823483.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_084	POINTHOR	822900.3	823457.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_085	POINTHOR	822856.4	823431.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_086	POINTHOR	822812.5	823405.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_087	POINTHOR	822768.7	823379.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_088	POINTHOR	822724.8	823353.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_089	POINTHOR	822680.9	823327.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_090	POINTHOR	822637	823301.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_091	POINTHOR	822593.1	823275.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_092	POINTHOR	822549.2	823249.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_093	POINTHOR	822505.4	823223.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_094	POINTHOR	822461.5	823197.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_095	POINTHOR	822417.6	823171.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_096	POINTHOR	822373.7	823145.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_097	POINTHOR	822329.8	823119.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_098	POINTHOR	822286	823093.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_099	POINTHOR	822242.1	823067.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_100	POINTHOR	822198.2	823042	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_101	POINTHOR	822154.3	823016	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_102	POINTHOR	822110.4	822990.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_103	POINTHOR	822065.8	822965.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_104	POINTHOR	822021.2	822941	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_105	POINTHOR	821976.7	822916.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_106	POINTHOR	821932.1	822891.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_107	POINTHOR	821887.5	822867.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_108	POINTHOR	821842.9	822842.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_109	POINTHOR	821798.4	822818.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_110	POINTHOR	821753.8	822793.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_111	POINTHOR	821709.2	822769.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_112	POINTHOR	821664.6	822744.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_113	POINTHOR	821620	822720.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_114	POINTHOR	821575.5	822695.6	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_115	POINTHOR	821530.9	822671	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_116	POINTHOR	821486.3	822646.5	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_117	POINTHOR	821441.7	822621.9	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_118	POINTHOR	821397.1	822597.4	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_119	POINTHOR	821352.6	822572.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_120	POINTHOR	821308	822548.3	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_121	POINTHOR	821263.4	822523.8	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_122	POINTHOR	821218.8	822499.2	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	4	G2_R4_123	POINTHOR	821174.2	822474.7	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	4	G2_R4_124	POINTHOR	821129.7	822450.1	0	4	694.7	8	0.3	3.44E-03	1.84E-04	1.79E-04
2	5	G2_R5_001	POINT	822595.8	824407.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_002	POINT	822548.2	824390.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_003	POINT	822500.7	824373.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_004	POINT	822453.2	824356.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_005	POINT	822405.7	824339.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_006	POINT	822358.2	824322.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_007	POINT	822310.7	824305.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_008	POINT	822263.2	824288.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_009	POINT	822215.7	824271.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_010	POINT	822168.2	824254.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_011	POINT	822120.4	824238.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_012	POINT	822072.2	824223.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_013	POINT	822024	824208.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_014	POINT	821975.8	824194.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_015	POINT	821927.6	824179.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_016	POINT	821879.3	824165.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_017	POINT	821830.9	824151.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_018	POINT	821782.5	824137.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_019	POINT	821734.1	824124	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_020	POINT	821685.7	824110.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_021	POINT	821637.2	824096.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_022	POINT	821588.8	824082.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_023	POINT	821540.4	824069	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_024	POINT	821492	824055.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_025	POINT	821443.6	824041.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_026	POINT	821394.9	824029.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_027	POINT	821345.3	824021.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_028	POINT	821295.8	824013.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_029	POINT	821246.2	824005.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_030	POINT	821196.6	823998.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_031	POINT	821147.1	823990.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_032	POINT	821097.5	823982.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_033	POINT	821048	823974.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_034	POINT	820998.4	823966.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_035	POINT	823096.3	824077.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_036	POINT	823051	824054.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_037	POINT	823005.8	824031.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_038	POINT	822960.6	824008	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_039	POINT	822915.4	823984.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_040	POINT	822870.1	823961.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_041	POINT	822824.9	823938.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_042	POINT	822779.7	823915.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_043	POINT	822734.4	823892.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_044	POINT	822689.2	823869.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	5	G2_R5_045	POINT	822644	823846.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_046	POINT	822598.8	823823	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_047	POINT	822553.5	823799.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_048	POINT	822508.3	823776.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_049	POINT	822463.1	823753.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_050	POINT	822417.8	823730.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_051	POINT	822372.6	823707.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_052	POINT	822327.4	823684.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_053	POINT	822282.2	823661.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_054	POINT	822236.9	823638	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_055	POINT	822191.7	823614.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_056	POINT	822146.5	823591.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_057	POINT	822100.5	823570.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_058	POINT	822054.5	823549	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_059	POINT	822008.5	823527.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_060	POINT	821962.5	823506.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_061	POINT	821916.5	823485.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_062	POINT	821870.6	823463.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_063	POINT	821824.6	823442.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_064	POINT	821778.6	823421.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_065	POINT	821732.6	823399.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_066	POINT	821686.6	823378.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_067	POINT	821640.6	823357.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_068	POINT	821594.6	823335.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_069	POINT	821548.6	823314.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_070	POINT	821502.6	823293.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_071	POINT	821456.6	823272	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_072	POINT	821410.6	823250.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_073	POINT	821364.6	823229.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_074	POINT	821318.6	823208	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_075	POINT	821272.6	823186.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_076	POINT	821226.6	823165.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_077	POINT	821180.6	823144.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_078	POINT	821134.6	823122.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_079	POINT	823119.7	823587.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_080	POINT	823075.8	823561.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_081	POINT	823031.9	823535.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_082	POINT	822988	823509.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_083	POINT	822944.2	823483.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_084	POINT	822900.3	823457.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_085	POINT	822856.4	823431.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_086	POINT	822812.5	823405.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_087	POINT	822768.7	823379.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_088	POINT	822724.8	823353.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_089	POINT	822680.9	823327.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	5	G2_R5_090	POINT	822637	823301.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_091	POINT	822593.1	823275.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_092	POINT	822549.2	823249.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_093	POINT	822505.4	823223.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_094	POINT	822461.5	823197.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_095	POINT	822417.6	823171.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_096	POINT	822373.7	823145.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_097	POINT	822329.8	823119.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_098	POINT	822286	823093.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_099	POINT	822242.1	823067.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_100	POINT	822198.2	823042	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_101	POINT	822154.3	823016	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_102	POINT	822110.4	822990.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_103	POINT	822065.8	822965.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_104	POINT	822021.2	822941	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_105	POINT	821976.7	822916.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_106	POINT	821932.1	822891.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_107	POINT	821887.5	822867.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_108	POINT	821842.9	822842.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_109	POINT	821798.4	822818.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_110	POINT	821753.8	822793.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_111	POINT	821709.2	822769.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_112	POINT	821664.6	822744.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_113	POINT	821620	822720.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_114	POINT	821575.5	822695.6	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_115	POINT	821530.9	822671	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_116	POINT	821486.3	822646.5	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_117	POINT	821441.7	822621.9	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_118	POINT	821397.1	822597.4	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_119	POINT	821352.6	822572.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_120	POINT	821308	822548.3	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_121	POINT	821263.4	822523.8	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_122	POINT	821218.8	822499.2	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_123	POINT	821174.2	822474.7	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	5	G2_R5_124	POINT	821129.7	822450.1	0	20	555	25	0.8	2.75E-03	1.20E-04	1.17E-04
2	6	G2_R6_001	POINT	822595.8	824407.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_002	POINT	822548.2	824390.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_003	POINT	822500.7	824373.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_004	POINT	822453.2	824356.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_005	POINT	822405.7	824339.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_006	POINT	822358.2	824322.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_007	POINT	822310.7	824305.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_008	POINT	822263.2	824288.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_009	POINT	822215.7	824271.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_010	POINT	822168.2	824254.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	6	G2_R6_011	POINT	822120.4	824238.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_012	POINT	822072.2	824223.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_013	POINT	822024	824208.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_014	POINT	821975.8	824194.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_015	POINT	821927.6	824179.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_016	POINT	821879.3	824165.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_017	POINT	821830.9	824151.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_018	POINT	821782.5	824137.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_019	POINT	821734.1	824124	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_020	POINT	821685.7	824110.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_021	POINT	821637.2	824096.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_022	POINT	821588.8	824082.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_023	POINT	821540.4	824069	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_024	POINT	821492	824055.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_025	POINT	821443.6	824041.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_026	POINT	821394.9	824029.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_027	POINT	821345.3	824021.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_028	POINT	821295.8	824013.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_029	POINT	821246.2	824005.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_030	POINT	821196.6	823998.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_031	POINT	821147.1	823990.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_032	POINT	821097.5	823982.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_033	POINT	821048	823974.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_034	POINT	820998.4	823966.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_035	POINT	823096.3	824077.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_036	POINT	823051	824054.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_037	POINT	823005.8	824031.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_038	POINT	822960.6	824008	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_039	POINT	822915.4	823984.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_040	POINT	822870.1	823961.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_041	POINT	822824.9	823938.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_042	POINT	822779.7	823915.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_043	POINT	822734.4	823892.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_044	POINT	822689.2	823869.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_045	POINT	822644	823846.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_046	POINT	822598.8	823823	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_047	POINT	822553.5	823799.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_048	POINT	822508.3	823776.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_049	POINT	822463.1	823753.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_050	POINT	822417.8	823730.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_051	POINT	822372.6	823707.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_052	POINT	822327.4	823684.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_053	POINT	822282.2	823661.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_054	POINT	822236.9	823638	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_055	POINT	822191.7	823614.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	6	G2_R6_056	POINT	822146.5	823591.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_057	POINT	822100.5	823570.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_058	POINT	822054.5	823549	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_059	POINT	822008.5	823527.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_060	POINT	821962.5	823506.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_061	POINT	821916.5	823485.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_062	POINT	821870.6	823463.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_063	POINT	821824.6	823442.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_064	POINT	821778.6	823421.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_065	POINT	821732.6	823399.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_066	POINT	821686.6	823378.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_067	POINT	821640.6	823357.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_068	POINT	821594.6	823335.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_069	POINT	821548.6	823314.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_070	POINT	821502.6	823293.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_071	POINT	821456.6	823272	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_072	POINT	821410.6	823250.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_073	POINT	821364.6	823229.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_074	POINT	821318.6	823208	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_075	POINT	821272.6	823186.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_076	POINT	821226.6	823165.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_077	POINT	821180.6	823144.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_078	POINT	821134.6	823122.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_079	POINT	823119.7	823587.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_080	POINT	823075.8	823561.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_081	POINT	823031.9	823535.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_082	POINT	822988	823509.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_083	POINT	822944.2	823483.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_084	POINT	822900.3	823457.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_085	POINT	822856.4	823431.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_086	POINT	822812.5	823405.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_087	POINT	822768.7	823379.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_088	POINT	822724.8	823353.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_089	POINT	822680.9	823327.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_090	POINT	822637	823301.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_091	POINT	822593.1	823275.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_092	POINT	822549.2	823249.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_093	POINT	822505.4	823223.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_094	POINT	822461.5	823197.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_095	POINT	822417.6	823171.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_096	POINT	822373.7	823145.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_097	POINT	822329.8	823119.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_098	POINT	822286	823093.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_099	POINT	822242.1	823067.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_100	POINT	822198.2	823042	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
2	6	G2_R6_101	POINT	822154.3	823016	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_102	POINT	822110.4	822990.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_103	POINT	822065.8	822965.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_104	POINT	822021.2	822941	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_105	POINT	821976.7	822916.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_106	POINT	821932.1	822891.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_107	POINT	821887.5	822867.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_108	POINT	821842.9	822842.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_109	POINT	821798.4	822818.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_110	POINT	821753.8	822793.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_111	POINT	821709.2	822769.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_112	POINT	821664.6	822744.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_113	POINT	821620	822720.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_114	POINT	821575.5	822695.6	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_115	POINT	821530.9	822671	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_116	POINT	821486.3	822646.5	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_117	POINT	821441.7	822621.9	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_118	POINT	821397.1	822597.4	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_119	POINT	821352.6	822572.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_120	POINT	821308	822548.3	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_121	POINT	821263.4	822523.8	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_122	POINT	821218.8	822499.2	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_123	POINT	821174.2	822474.7	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05
2	6	G2_R6_124	POINT	821129.7	822450.1	0	11	588	8	0.2	1.22E-03	3.97E-05	3.85E-05

Notes:

[1] Modelling parameters are referred to "Generating an Hour-By-Hour Model-Ready Marine Emission Inventory, RWDI Air Inc. and Environment Canada, US EPA 17th International Emission Inventory Conference, 2-5 June 2008, Portland, Oregon", approved EIA of Tuen Mun South Extension (AERIAR-236/2022), and approved EIA of Lei Yue Mun Waterfront Enhancement Project (AERIAR-219/2018).

Calculation of Multiplying Factor for Total Vessel Count

Monthly Vessel Count for Year 2048

Marine Gate	Monthly Vessel Count in Dec [1]
Gate 2	10,689

Notes:

[1] The marine traffic data for December is provided by Marine Traffic Consultant.

Monthly Multiplying Factor dervied from Marine Traffic in Year 2019

Month	Total No. of Arrivals by RTVs [1]	Monthly Multiplying Factor
Jan-19	5,820	1.03
Feb-19	3,401	0.60
Mar-19	5,783	1.03
Apr-19	5,411	0.96
May-19	5,766	1.02
Jun-19	5,456	0.97
Jul-19	5,645	1.00
Aug-19	5,659	1.00
Sep-19	5,382	0.96
Oct-19	5,160	0.92
Nov-19	5,534	0.98
Dec-19	**5,632**	**1.00**

Notes:

[1] Since no monthly profile is available from Marine Traffic Consultant, the annual vessel count is calculated based on monthly profile in "Monthly Vessel Arrivals by Ocean/River and Cargo/Passenger Vessels" published by Marine Department (https://www.mardep.gov.hk/en/fact/pdf/portstat_2_m_a1.pdf). Due to the pandemic situation, there was a significant change in marine traffic from Year 2020 to Year 2022. In view of this, the monthly profile of Year 2019 is considered the most appropriate and therefore adopted and assumed the same for future years.

Hourly Multiplying Factor derived from Marine Traffic in December 2048

Hour		Gate 2	
Start	End	No. of Marine Vessels [1]	Hourly Multplying Factor
0	1	324	3.0%
1	2	260	2.4%
2	3	235	2.2%
3	4	246	2.3%
4	5	211	2.0%
5	6	258	2.4%
6	7	329	3.1%
7	8	276	2.6%
8	9	291	2.7%
9	10	364	3.4%
10	11	510	4.8%
11	12	551	5.2%
12	13	547	5.1%
13	14	509	4.8%
14	15	451	4.2%
15	16	529	4.9%
16	17	776	7.3%
17	18	746	7.0%
18	19	722	6.8%
19	20	630	5.9%
20	21	545	5.1%
21	22	494	4.6%
22	23	504	4.7%
23	24	381	3.6%

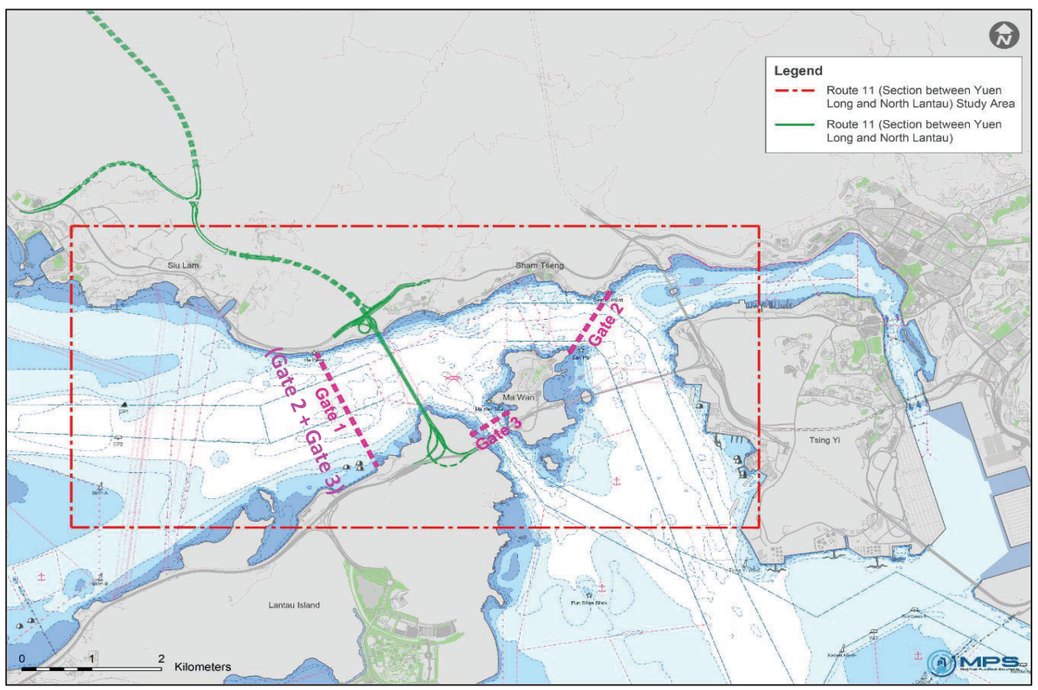
Notes:

[1] The number of hourly marine vessels for Dec 2048 is provided by Marine Traffic Consultant. It contains the total number of marine vessels for the 31 days in December in Year 2048 for each hour. For example, from Hour 0 to Hour 1 (i.e. first hour of 1 Dec + first hour of 2 Dec, ... 1st hour of 31 Dec), there are total 324 marine vessels for the first hour during the whole December.

Annex II
Marine Emission Rate for Tsing Lung Tau Fairway in Year 2048
River Trade Vessels_Gate 3

Marine Traffic Information

Assessment Year 2048
Assessed Vessel Type River Trade Vessels
Gate 3



Marine Traffic Information from Marine Traffic Consultants

Location	Monthly Vessel Count in Dec [1]	Travelling Speed (knots) [2]	Length of Sailing Route (m) [3]
Gate 3	5,578	6	4,500

Notes:

[1] Monthly Vessel Count is advised by Marine Traffic Consultant and accepted by Marine Department.

[2] Average speed of 6 knot is provided by Marine Traffic Consultant and assumed to be constant throughout the channel (i.e. Gate 1 to Gate 3).

[3] Possible maximum length of sailing route is estimated for conservative assessment.

Marine Emission Inventory

Total Emission Rate

Group [1]	Vessel Type	Emission Rate per Trip (g/s) [2]			Annual No. of Vessel Arrivals in Year 2019 [3]	Composite Emission Rate per Trip (g/s) [4]		
		NO_X	RSP	FSP		NOx	RSP	FSP
1	Fully Cellular Container Vessel	0.201	0.006	0.006	34718	0.198	0.006	0.006
	Semi-container Vessel	0.186	0.006	0.006	9943			
2	Conventional Cargo Vessel	0.185	0.006	0.006	4297	0.185	0.009	0.008
3	Dry Bulk Carrier	0.194	0.006	0.006	12405	0.194	0.006	0.006
4	Tug	0.619	0.033	0.032	1283	0.619	0.033	0.032
5	Chemical Carrier	0.491	0.022	0.021	247	0.496	0.022	0.021
	Gas Carrier	0.498	0.022	0.021	134			
	Oil Tanker	0.498	0.022	0.021	419			
6	Mechanised Lighter/Barge/Cargo Junk	0.219	0.007	0.007	918	0.219	0.007	0.007

Engine in Operation

Engine	On (1) or Off (0) [2]
ME	1
AE	1

Notes:

[1] The vessel type is grouped according to the modelling parameter (i.e. stack height, exit temperature, exit velocity etc). Vessel types with the identical modelling parameters will be grouped.

[2] Main and auxiliary engine are assumed in operation during maneuvering for conservative assessment with reference to Table 3-25 of Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012). The emission rate per trip considers the emission from the engine in operation as indicated in the table "Engine in Operation", and the calculation is documented in the "Technical Notes on Marine Emission for So Kwun Wat and Tsing Lung Tau Areas" submitted to EPD.

[3] Marine Traffic Consultant has provided the total number of RTVs but without breakdown into different vessel types. Hence, reference has been made to Marine Department's Vessels Arrivals by Ship Type and Ocean/River (https://www.mardep.gov.hk/en/fact/pdf/portstat_2_y_a2.pdf). Due to the pandemic situation, there was a significant change in marine traffic from Year 2020 to Year 2022. In view of this, the monthly profile of Year 2019 is considered the most appropriate and therefore adopted and assumed the same for future years.

[4] The emission rate per trip is calculated based on the following equation. Breakdown is provided and documented in "Technical Notes on Marine Emission for So Kwun Wat and Tsing Lung Tau Areas" submitted to EPD and emission rates are evenly apportioned into point sources in the model as shown in subsequent pages of this Appendix.

Engine Emission Rate per Trip = (i)Time-in-mode x (ii)Engine Load Factors x (iii) Engine Power x (iv) Emission Factor, where

(i) Time-in-mode is calculated from the average speed and possible maximum length of sailing route within assessment area provided by Marine Traffic Consultant.

(ii) Engine Load Factors are made reference to Table 4-7, Table 4-10 and Table 3-24 of Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012).

(iii) The average engine powers are made reference to Table 4-5 and Table 4-6 of the Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012).

(iv) The emission factor is made reference to Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012) Table 4-16. Under the Air Pollution Control (Fuel for Vessels) Regulation, all vessels assumed to use MGO due to requirement to fuel switch to compliant fuel (sulphur content <=0.5%) within Hong Kong waters.

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	1	G3_R1_001	POINT	824150.4	822438.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_002	POINT	824118.8	822480.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_003	POINT	824087.2	822521.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_004	POINT	824055.7	822563.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_005	POINT	824024.1	822605.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_006	POINT	823992.5	822647.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_007	POINT	823961	822689.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_008	POINT	823929.4	822730.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_009	POINT	823897.8	822772.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_010	POINT	823866.3	822814.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_011	POINT	823834.7	822856.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_012	POINT	823803.1	822898.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_013	POINT	823771.6	822939.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_014	POINT	823740	822981.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_015	POINT	823708.4	823023.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_016	POINT	823676.9	823065.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_017	POINT	823645.9	823107.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_018	POINT	823615.2	823150.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_019	POINT	823584.6	823192.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_020	POINT	823554	823235.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_021	POINT	823523.3	823277.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_022	POINT	823492.7	823320.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_023	POINT	823462.1	823363.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_024	POINT	823431.4	823405.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_025	POINT	823393.6	823439.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_026	POINT	823350.8	823467.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_027	POINT	823307.9	823495.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_028	POINT	823265.1	823523.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_029	POINT	823222.3	823551.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_030	POINT	823179.5	823579.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_031	POINT	823134.6	823602.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_032	POINT	823088.2	823623	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_033	POINT	823041.8	823643.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_034	POINT	822995.4	823663.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_035	POINT	822949	823683.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_036	POINT	822902.6	823703.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_037	POINT	822856.1	823724	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_038	POINT	822809.7	823744.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_039	POINT	822763.3	823764.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_040	POINT	822716.9	823784.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_041	POINT	822670.5	823804.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_042	POINT	822624.1	823825.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_043	POINT	822577.7	823845.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_044	POINT	822531.2	823865.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_045	POINT	822482.6	823878.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	1	G3_R1_046	POINT	822433.7	823889.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_047	POINT	822384.8	823901.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_048	POINT	822335.9	823912.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_049	POINT	822287	823924.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_050	POINT	822238.1	823935.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_051	POINT	822189.1	823947.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_052	POINT	822140.2	823958.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_053	POINT	822091.3	823970.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_054	POINT	822042.1	823977.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_055	POINT	821992.2	823973.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_056	POINT	821942.3	823969	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_057	POINT	821892.4	823964.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_058	POINT	821842.5	823960.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_059	POINT	821792.6	823955.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_060	POINT	821742.7	823951.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_061	POINT	821692.8	823946.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_062	POINT	821642.9	823942.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_063	POINT	821592.9	823937.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_064	POINT	821543	823933.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_065	POINT	821493	823931.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_066	POINT	821443	823928.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_067	POINT	821393	823925.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_068	POINT	821342.9	823922.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_069	POINT	821292.9	823920.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_070	POINT	821242.9	823917.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_071	POINT	821192.9	823914.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_072	POINT	821142.9	823912	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_073	POINT	821092.9	823909.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_074	POINT	824031.8	822428.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_075	POINT	823999.6	822469.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_076	POINT	823967.4	822510.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_077	POINT	823935.2	822552	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_078	POINT	823903	822593.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_079	POINT	823870.8	822634.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_080	POINT	823838.6	822675.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_081	POINT	823806.5	822716.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_082	POINT	823774.3	822758.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_083	POINT	823742.1	822799.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_084	POINT	823709.9	822840.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_085	POINT	823677.7	822881.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_086	POINT	823645.5	822923.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_087	POINT	823613.3	822964.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_088	POINT	823575.2	822998.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_089	POINT	823534.9	823030.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_090	POINT	823494.7	823063	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	1	G3_R1_091	POINT	823454.5	823095.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_092	POINT	823414.3	823127.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_093	POINT	823374.1	823159.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_094	POINT	823333.9	823191.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_095	POINT	823293.7	823223.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_096	POINT	823253.4	823255.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_097	POINT	823213.2	823287.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_098	POINT	823173	823319.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_099	POINT	823128.7	823343.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_100	POINT	823081.2	823360.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_101	POINT	823033.6	823377.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_102	POINT	822986.1	823394	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_103	POINT	822938.5	823410.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_104	POINT	822891	823427.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_105	POINT	822843.1	823443.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_106	POINT	822794	823454.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_107	POINT	822745	823464.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_108	POINT	822695.9	823475.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_109	POINT	822646.8	823486.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_110	POINT	822597.7	823497	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_111	POINT	822547.9	823501.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_112	POINT	822498	823505.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_113	POINT	822448	823509.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_114	POINT	822398.1	823513.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_115	POINT	822348.1	823517.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_116	POINT	822298.2	823522	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_117	POINT	822248.3	823526	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_118	POINT	822198.5	823524.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_119	POINT	822148.8	823517.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_120	POINT	822099.1	823510.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_121	POINT	822049.5	823503.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_122	POINT	821999.8	823496.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_123	POINT	821950.2	823489.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_124	POINT	821900.5	823482.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_125	POINT	821850.8	823475.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_126	POINT	821801.5	823466.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_127	POINT	821752.4	823455.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_128	POINT	821703.3	823445.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_129	POINT	821654.2	823434.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_130	POINT	821605.1	823424.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_131	POINT	821556	823413.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_132	POINT	821506.9	823403	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_133	POINT	821457.7	823392.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_134	POINT	821408.6	823381.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_135	POINT	821359.5	823371.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	1	G3_R1_136	POINT	821310.4	823360.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_137	POINT	821261.3	823350.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_138	POINT	821212.2	823339.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_139	POINT	821163	823329.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_140	POINT	821113.9	823318.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_141	POINT	823926.2	822425.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_142	POINT	823890	822462.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_143	POINT	823853.7	822499.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_144	POINT	823817.5	822537.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_145	POINT	823781.2	822574.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_146	POINT	823745	822611.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_147	POINT	823708.7	822648.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_148	POINT	823672.5	822685.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_149	POINT	823636.2	822722.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_150	POINT	823600	822759.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_151	POINT	823563.7	822797.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_152	POINT	823527.5	822834.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_153	POINT	823488.5	822867.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_154	POINT	823448.2	822899.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_155	POINT	823408	822931.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_156	POINT	823367.7	822963.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_157	POINT	823327.5	822996	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_158	POINT	823287.2	823028	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_159	POINT	823247	823060	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_160	POINT	823206.7	823092.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_161	POINT	823166.5	823124.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_162	POINT	823123	823149.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_163	POINT	823075.6	823166.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_164	POINT	823028.1	823184	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_165	POINT	822980.7	823201.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_166	POINT	822932.9	823217.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_167	POINT	822884.6	823231.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_168	POINT	822836.4	823246	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_169	POINT	822788.1	823260.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_170	POINT	822739.9	823274.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_171	POINT	822692.4	823265.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_172	POINT	822645.4	823247.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_173	POINT	822598.3	823229.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_174	POINT	822551.2	823210.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_175	POINT	822504.1	823192.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_176	POINT	822457.1	823174	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_177	POINT	822411.8	823150.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_178	POINT	822366.6	823127.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_179	POINT	822321.4	823104.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_180	POINT	822276.2	823081.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	1	G3_R1_181	POINT	822231	823058.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_182	POINT	822185.7	823035.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_183	POINT	822140.5	823012	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_184	POINT	822095.3	822988.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_185	POINT	822050.1	822965.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_186	POINT	822004.9	822942.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_187	POINT	821959.6	822919.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_188	POINT	821914.4	822896.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_189	POINT	821869.2	822873.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_190	POINT	821824	822849.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_191	POINT	821778.8	822826.8	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_192	POINT	821733.5	822803.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_193	POINT	821688.3	822780.5	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_194	POINT	821643.1	822757.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_195	POINT	821597.9	822734.2	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_196	POINT	821552.6	822711	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_197	POINT	821507.4	822687.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_198	POINT	821462.2	822664.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_199	POINT	821417	822641.6	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_200	POINT	821371.8	822618.4	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_201	POINT	821326.5	822595.3	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_202	POINT	821281.3	822572.1	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_203	POINT	821236.1	822549	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_204	POINT	821190.9	822525.9	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	1	G3_R1_205	POINT	821145.6	822502.7	0	34.2	537	24.6	1.9	9.64E-04	3.09E-05	3.00E-05
3	2	G3_R2_001	POINT	824150.4	822438.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_002	POINT	824118.8	822480.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_003	POINT	824087.2	822521.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_004	POINT	824055.7	822563.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_005	POINT	824024.1	822605.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_006	POINT	823992.5	822647.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_007	POINT	823961	822689.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_008	POINT	823929.4	822730.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_009	POINT	823897.8	822772.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_010	POINT	823866.3	822814.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_011	POINT	823834.7	822856.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_012	POINT	823803.1	822898.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_013	POINT	823771.6	822939.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_014	POINT	823740	822981.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_015	POINT	823708.4	823023.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_016	POINT	823676.9	823065.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_017	POINT	823645.9	823107.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_018	POINT	823615.2	823150.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_019	POINT	823584.6	823192.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_020	POINT	823554	823235.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	2	G3_R2_021	POINT	823523.3	823277.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_022	POINT	823492.7	823320.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_023	POINT	823462.1	823363.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_024	POINT	823431.4	823405.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_025	POINT	823393.6	823439.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_026	POINT	823350.8	823467.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_027	POINT	823307.9	823495.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_028	POINT	823265.1	823523.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_029	POINT	823222.3	823551.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_030	POINT	823179.5	823579.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_031	POINT	823134.6	823602.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_032	POINT	823088.2	823623	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_033	POINT	823041.8	823643.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_034	POINT	822995.4	823663.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_035	POINT	822949	823683.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_036	POINT	822902.6	823703.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_037	POINT	822856.1	823724	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_038	POINT	822809.7	823744.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_039	POINT	822763.3	823764.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_040	POINT	822716.9	823784.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_041	POINT	822670.5	823804.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_042	POINT	822624.1	823825.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_043	POINT	822577.7	823845.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_044	POINT	822531.2	823865.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_045	POINT	822482.6	823878.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_046	POINT	822433.7	823889.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_047	POINT	822384.8	823901.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_048	POINT	822335.9	823912.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_049	POINT	822287	823924.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_050	POINT	822238.1	823935.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_051	POINT	822189.1	823947.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_052	POINT	822140.2	823958.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_053	POINT	822091.3	823970.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_054	POINT	822042.1	823977.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_055	POINT	821992.2	823973.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_056	POINT	821942.3	823969	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_057	POINT	821892.4	823964.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_058	POINT	821842.5	823960.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_059	POINT	821792.6	823955.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_060	POINT	821742.7	823951.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_061	POINT	821692.8	823946.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_062	POINT	821642.9	823942.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_063	POINT	821592.9	823937.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_064	POINT	821543	823933.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_065	POINT	821493	823931.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	2	G3_R2_066	POINT	821443	823928.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_067	POINT	821393	823925.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_068	POINT	821342.9	823922.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_069	POINT	821292.9	823920.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_070	POINT	821242.9	823917.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_071	POINT	821192.9	823914.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_072	POINT	821142.9	823912	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_073	POINT	821092.9	823909.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_074	POINT	824031.8	822428.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_075	POINT	823999.6	822469.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_076	POINT	823967.4	822510.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_077	POINT	823935.2	822552	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_078	POINT	823903	822593.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_079	POINT	823870.8	822634.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_080	POINT	823838.6	822675.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_081	POINT	823806.5	822716.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_082	POINT	823774.3	822758.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_083	POINT	823742.1	822799.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_084	POINT	823709.9	822840.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_085	POINT	823677.7	822881.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_086	POINT	823645.5	822923.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_087	POINT	823613.3	822964.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_088	POINT	823575.2	822998.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_089	POINT	823534.9	823030.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_090	POINT	823494.7	823063	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_091	POINT	823454.5	823095.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_092	POINT	823414.3	823127.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_093	POINT	823374.1	823159.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_094	POINT	823333.9	823191.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_095	POINT	823293.7	823223.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_096	POINT	823253.4	823255.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_097	POINT	823213.2	823287.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_098	POINT	823173	823319.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_099	POINT	823128.7	823343.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_100	POINT	823081.2	823360.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_101	POINT	823033.6	823377.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_102	POINT	822986.1	823394	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_103	POINT	822938.5	823410.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_104	POINT	822891	823427.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_105	POINT	822843.1	823443.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_106	POINT	822794	823454.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_107	POINT	822745	823464.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_108	POINT	822695.9	823475.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_109	POINT	822646.8	823486.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_110	POINT	822597.7	823497	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	2	G3_R2_111	POINT	822547.9	823501.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_112	POINT	822498	823505.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_113	POINT	822448	823509.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_114	POINT	822398.1	823513.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_115	POINT	822348.1	823517.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_116	POINT	822298.2	823522	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_117	POINT	822248.3	823526	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_118	POINT	822198.5	823524.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_119	POINT	822148.8	823517.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_120	POINT	822099.1	823510.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_121	POINT	822049.5	823503.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_122	POINT	821999.8	823496.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_123	POINT	821950.2	823489.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_124	POINT	821900.5	823482.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_125	POINT	821850.8	823475.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_126	POINT	821801.5	823466.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_127	POINT	821752.4	823455.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_128	POINT	821703.3	823445.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_129	POINT	821654.2	823434.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_130	POINT	821605.1	823424.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_131	POINT	821556	823413.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_132	POINT	821506.9	823403	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_133	POINT	821457.7	823392.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_134	POINT	821408.6	823381.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_135	POINT	821359.5	823371.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_136	POINT	821310.4	823360.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_137	POINT	821261.3	823350.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_138	POINT	821212.2	823339.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_139	POINT	821163	823329.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_140	POINT	821113.9	823318.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_141	POINT	823926.2	822425.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_142	POINT	823890	822462.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_143	POINT	823853.7	822499.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_144	POINT	823817.5	822537.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_145	POINT	823781.2	822574.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_146	POINT	823745	822611.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_147	POINT	823708.7	822648.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_148	POINT	823672.5	822685.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_149	POINT	823636.2	822722.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_150	POINT	823600	822759.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_151	POINT	823563.7	822797.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_152	POINT	823527.5	822834.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_153	POINT	823488.5	822867.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_154	POINT	823448.2	822899.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_155	POINT	823408	822931.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	2	G3_R2_156	POINT	823367.7	822963.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_157	POINT	823327.5	822996	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_158	POINT	823287.2	823028	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_159	POINT	823247	823060	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_160	POINT	823206.7	823092.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_161	POINT	823166.5	823124.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_162	POINT	823123	823149.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_163	POINT	823075.6	823166.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_164	POINT	823028.1	823184	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_165	POINT	822980.7	823201.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_166	POINT	822932.9	823217.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_167	POINT	822884.6	823231.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_168	POINT	822836.4	823246	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_169	POINT	822788.1	823260.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_170	POINT	822739.9	823274.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_171	POINT	822692.4	823265.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_172	POINT	822645.4	823247.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_173	POINT	822598.3	823229.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_174	POINT	822551.2	823210.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_175	POINT	822504.1	823192.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_176	POINT	822457.1	823174	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_177	POINT	822411.8	823150.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_178	POINT	822366.6	823127.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_179	POINT	822321.4	823104.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_180	POINT	822276.2	823081.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_181	POINT	822231	823058.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_182	POINT	822185.7	823035.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_183	POINT	822140.5	823012	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_184	POINT	822095.3	822988.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_185	POINT	822050.1	822965.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_186	POINT	822004.9	822942.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_187	POINT	821959.6	822919.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_188	POINT	821914.4	822896.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_189	POINT	821869.2	822873.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_190	POINT	821824	822849.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_191	POINT	821778.8	822826.8	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_192	POINT	821733.5	822803.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_193	POINT	821688.3	822780.5	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_194	POINT	821643.1	822757.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_195	POINT	821597.9	822734.2	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_196	POINT	821552.6	822711	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_197	POINT	821507.4	822687.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_198	POINT	821462.2	822664.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_199	POINT	821417	822641.6	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_200	POINT	821371.8	822618.4	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	2	G3_R2_201	POINT	821326.5	822595.3	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_202	POINT	821281.3	822572.1	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_203	POINT	821236.1	822549	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_204	POINT	821190.9	822525.9	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	2	G3_R2_205	POINT	821145.6	822502.7	0	11	555	25	0.8	9.02E-04	4.19E-05	4.06E-05
3	3	G3_R3_001	POINT	824150.4	822438.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_002	POINT	824118.8	822480.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_003	POINT	824087.2	822521.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_004	POINT	824055.7	822563.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_005	POINT	824024.1	822605.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_006	POINT	823992.5	822647.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_007	POINT	823961	822689.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_008	POINT	823929.4	822730.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_009	POINT	823897.8	822772.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_010	POINT	823866.3	822814.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_011	POINT	823834.7	822856.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_012	POINT	823803.1	822898.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_013	POINT	823771.6	822939.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_014	POINT	823740	822981.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_015	POINT	823708.4	823023.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_016	POINT	823676.9	823065.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_017	POINT	823645.9	823107.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_018	POINT	823615.2	823150.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_019	POINT	823584.6	823192.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_020	POINT	823554	823235.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_021	POINT	823523.3	823277.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_022	POINT	823492.7	823320.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_023	POINT	823462.1	823363.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_024	POINT	823431.4	823405.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_025	POINT	823393.6	823439.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_026	POINT	823350.8	823467.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_027	POINT	823307.9	823495.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_028	POINT	823265.1	823523.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_029	POINT	823222.3	823551.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_030	POINT	823179.5	823579.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_031	POINT	823134.6	823602.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_032	POINT	823088.2	823623	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_033	POINT	823041.8	823643.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_034	POINT	822995.4	823663.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_035	POINT	822949	823683.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_036	POINT	822902.6	823703.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_037	POINT	822856.1	823724	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_038	POINT	822809.7	823744.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_039	POINT	822763.3	823764.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_040	POINT	822716.9	823784.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	3	G3_R3_041	POINT	822670.5	823804.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_042	POINT	822624.1	823825.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_043	POINT	822577.7	823845.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_044	POINT	822531.2	823865.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_045	POINT	822482.6	823878.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_046	POINT	822433.7	823889.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_047	POINT	822384.8	823901.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_048	POINT	822335.9	823912.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_049	POINT	822287	823924.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_050	POINT	822238.1	823935.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_051	POINT	822189.1	823947.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_052	POINT	822140.2	823958.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_053	POINT	822091.3	823970.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_054	POINT	822042.1	823977.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_055	POINT	821992.2	823973.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_056	POINT	821942.3	823969	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_057	POINT	821892.4	823964.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_058	POINT	821842.5	823960.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_059	POINT	821792.6	823955.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_060	POINT	821742.7	823951.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_061	POINT	821692.8	823946.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_062	POINT	821642.9	823942.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_063	POINT	821592.9	823937.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_064	POINT	821543	823933.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_065	POINT	821493	823931.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_066	POINT	821443	823928.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_067	POINT	821393	823925.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_068	POINT	821342.9	823922.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_069	POINT	821292.9	823920.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_070	POINT	821242.9	823917.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_071	POINT	821192.9	823914.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_072	POINT	821142.9	823912	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_073	POINT	821092.9	823909.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_074	POINT	824031.8	822428.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_075	POINT	823999.6	822469.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_076	POINT	823967.4	822510.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_077	POINT	823935.2	822552	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_078	POINT	823903	822593.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_079	POINT	823870.8	822634.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_080	POINT	823838.6	822675.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_081	POINT	823806.5	822716.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_082	POINT	823774.3	822758.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_083	POINT	823742.1	822799.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_084	POINT	823709.9	822840.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_085	POINT	823677.7	822881.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	3	G3_R3_086	POINT	823645.5	822923.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_087	POINT	823613.3	822964.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_088	POINT	823575.2	822998.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_089	POINT	823534.9	823030.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_090	POINT	823494.7	823063	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_091	POINT	823454.5	823095.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_092	POINT	823414.3	823127.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_093	POINT	823374.1	823159.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_094	POINT	823333.9	823191.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_095	POINT	823293.7	823223.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_096	POINT	823253.4	823255.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_097	POINT	823213.2	823287.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_098	POINT	823173	823319.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_099	POINT	823128.7	823343.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_100	POINT	823081.2	823360.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_101	POINT	823033.6	823377.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_102	POINT	822986.1	823394	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_103	POINT	822938.5	823410.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_104	POINT	822891	823427.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_105	POINT	822843.1	823443.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_106	POINT	822794	823454.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_107	POINT	822745	823464.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_108	POINT	822695.9	823475.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_109	POINT	822646.8	823486.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_110	POINT	822597.7	823497	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_111	POINT	822547.9	823501.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_112	POINT	822498	823505.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_113	POINT	822448	823509.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_114	POINT	822398.1	823513.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_115	POINT	822348.1	823517.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_116	POINT	822298.2	823522	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_117	POINT	822248.3	823526	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_118	POINT	822198.5	823524.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_119	POINT	822148.8	823517.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_120	POINT	822099.1	823510.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_121	POINT	822049.5	823503.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_122	POINT	821999.8	823496.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_123	POINT	821950.2	823489.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_124	POINT	821900.5	823482.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_125	POINT	821850.8	823475.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_126	POINT	821801.5	823466.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_127	POINT	821752.4	823455.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_128	POINT	821703.3	823445.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_129	POINT	821654.2	823434.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_130	POINT	821605.1	823424.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	3	G3_R3_131	POINT	821556	823413.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_132	POINT	821506.9	823403	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_133	POINT	821457.7	823392.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_134	POINT	821408.6	823381.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_135	POINT	821359.5	823371.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_136	POINT	821310.4	823360.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_137	POINT	821261.3	823350.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_138	POINT	821212.2	823339.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_139	POINT	821163	823329.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_140	POINT	821113.9	823318.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_141	POINT	823926.2	822425.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_142	POINT	823890	822462.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_143	POINT	823853.7	822499.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_144	POINT	823817.5	822537.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_145	POINT	823781.2	822574.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_146	POINT	823745	822611.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_147	POINT	823708.7	822648.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_148	POINT	823672.5	822685.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_149	POINT	823636.2	822722.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_150	POINT	823600	822759.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_151	POINT	823563.7	822797.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_152	POINT	823527.5	822834.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_153	POINT	823488.5	822867.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_154	POINT	823448.2	822899.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_155	POINT	823408	822931.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_156	POINT	823367.7	822963.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_157	POINT	823327.5	822996	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_158	POINT	823287.2	823028	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_159	POINT	823247	823060	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_160	POINT	823206.7	823092.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_161	POINT	823166.5	823124.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_162	POINT	823123	823149.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_163	POINT	823075.6	823166.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_164	POINT	823028.1	823184	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_165	POINT	822980.7	823201.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_166	POINT	822932.9	823217.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_167	POINT	822884.6	823231.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_168	POINT	822836.4	823246	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_169	POINT	822788.1	823260.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_170	POINT	822739.9	823274.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_171	POINT	822692.4	823265.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_172	POINT	822645.4	823247.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_173	POINT	822598.3	823229.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_174	POINT	822551.2	823210.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_175	POINT	822504.1	823192.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	3	G3_R3_176	POINT	822457.1	823174	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_177	POINT	822411.8	823150.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_178	POINT	822366.6	823127.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_179	POINT	822321.4	823104.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_180	POINT	822276.2	823081.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_181	POINT	822231	823058.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_182	POINT	822185.7	823035.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_183	POINT	822140.5	823012	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_184	POINT	822095.3	822988.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_185	POINT	822050.1	822965.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_186	POINT	822004.9	822942.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_187	POINT	821959.6	822919.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_188	POINT	821914.4	822896.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_189	POINT	821869.2	822873.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_190	POINT	821824	822849.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_191	POINT	821778.8	822826.8	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_192	POINT	821733.5	822803.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_193	POINT	821688.3	822780.5	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_194	POINT	821643.1	822757.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_195	POINT	821597.9	822734.2	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_196	POINT	821552.6	822711	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_197	POINT	821507.4	822687.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_198	POINT	821462.2	822664.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_199	POINT	821417	822641.6	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_200	POINT	821371.8	822618.4	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_201	POINT	821326.5	822595.3	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_202	POINT	821281.3	822572.1	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_203	POINT	821236.1	822549	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_204	POINT	821190.9	822525.9	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	3	G3_R3_205	POINT	821145.6	822502.7	0	8	555	25	0.8	9.46E-04	3.04E-05	2.94E-05
3	4	G3_R4_001	POINTHOR	824150.4	822438.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_002	POINTHOR	824118.8	822480.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_003	POINTHOR	824087.2	822521.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_004	POINTHOR	824055.7	822563.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_005	POINTHOR	824024.1	822605.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_006	POINTHOR	823992.5	822647.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_007	POINTHOR	823961	822689.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_008	POINTHOR	823929.4	822730.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_009	POINTHOR	823897.8	822772.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_010	POINTHOR	823866.3	822814.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_011	POINTHOR	823834.7	822856.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_012	POINTHOR	823803.1	822898.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_013	POINTHOR	823771.6	822939.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_014	POINTHOR	823740	822981.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_015	POINTHOR	823708.4	823023.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	4	G3_R4_016	POINTHOR	823676.9	823065.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_017	POINTHOR	823645.9	823107.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_018	POINTHOR	823615.2	823150.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_019	POINTHOR	823584.6	823192.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_020	POINTHOR	823554	823235.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_021	POINTHOR	823523.3	823277.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_022	POINTHOR	823492.7	823320.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_023	POINTHOR	823462.1	823363.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_024	POINTHOR	823431.4	823405.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_025	POINTHOR	823393.6	823439.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_026	POINTHOR	823350.8	823467.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_027	POINTHOR	823307.9	823495.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_028	POINTHOR	823265.1	823523.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_029	POINTHOR	823222.3	823551.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_030	POINTHOR	823179.5	823579.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_031	POINTHOR	823134.6	823602.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_032	POINTHOR	823088.2	823623	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_033	POINTHOR	823041.8	823643.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_034	POINTHOR	822995.4	823663.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_035	POINTHOR	822949	823683.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_036	POINTHOR	822902.6	823703.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_037	POINTHOR	822856.1	823724	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_038	POINTHOR	822809.7	823744.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_039	POINTHOR	822763.3	823764.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_040	POINTHOR	822716.9	823784.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_041	POINTHOR	822670.5	823804.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_042	POINTHOR	822624.1	823825.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_043	POINTHOR	822577.7	823845.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_044	POINTHOR	822531.2	823865.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_045	POINTHOR	822482.6	823878.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_046	POINTHOR	822433.7	823889.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_047	POINTHOR	822384.8	823901.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_048	POINTHOR	822335.9	823912.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_049	POINTHOR	822287	823924.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_050	POINTHOR	822238.1	823935.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_051	POINTHOR	822189.1	823947.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_052	POINTHOR	822140.2	823958.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_053	POINTHOR	822091.3	823970.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_054	POINTHOR	822042.1	823977.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_055	POINTHOR	821992.2	823973.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_056	POINTHOR	821942.3	823969	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_057	POINTHOR	821892.4	823964.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_058	POINTHOR	821842.5	823960.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_059	POINTHOR	821792.6	823955.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_060	POINTHOR	821742.7	823951.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	4	G3_R4_061	POINTHOR	821692.8	823946.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_062	POINTHOR	821642.9	823942.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_063	POINTHOR	821592.9	823937.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_064	POINTHOR	821543	823933.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_065	POINTHOR	821493	823931.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_066	POINTHOR	821443	823928.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_067	POINTHOR	821393	823925.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_068	POINTHOR	821342.9	823922.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_069	POINTHOR	821292.9	823920.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_070	POINTHOR	821242.9	823917.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_071	POINTHOR	821192.9	823914.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_072	POINTHOR	821142.9	823912	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_073	POINTHOR	821092.9	823909.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_074	POINTHOR	824031.8	822428.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_075	POINTHOR	823999.6	822469.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_076	POINTHOR	823967.4	822510.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_077	POINTHOR	823935.2	822552	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_078	POINTHOR	823903	822593.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_079	POINTHOR	823870.8	822634.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_080	POINTHOR	823838.6	822675.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_081	POINTHOR	823806.5	822716.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_082	POINTHOR	823774.3	822758.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_083	POINTHOR	823742.1	822799.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_084	POINTHOR	823709.9	822840.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_085	POINTHOR	823677.7	822881.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_086	POINTHOR	823645.5	822923.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_087	POINTHOR	823613.3	822964.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_088	POINTHOR	823575.2	822998.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_089	POINTHOR	823534.9	823030.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_090	POINTHOR	823494.7	823063	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_091	POINTHOR	823454.5	823095.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_092	POINTHOR	823414.3	823127.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_093	POINTHOR	823374.1	823159.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_094	POINTHOR	823333.9	823191.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_095	POINTHOR	823293.7	823223.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_096	POINTHOR	823253.4	823255.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_097	POINTHOR	823213.2	823287.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_098	POINTHOR	823173	823319.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_099	POINTHOR	823128.7	823343.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_100	POINTHOR	823081.2	823360.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_101	POINTHOR	823033.6	823377.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_102	POINTHOR	822986.1	823394	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_103	POINTHOR	822938.5	823410.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_104	POINTHOR	822891	823427.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_105	POINTHOR	822843.1	823443.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	4	G3_R4_106	POINTHOR	822794	823454.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_107	POINTHOR	822745	823464.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_108	POINTHOR	822695.9	823475.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_109	POINTHOR	822646.8	823486.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_110	POINTHOR	822597.7	823497	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_111	POINTHOR	822547.9	823501.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_112	POINTHOR	822498	823505.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_113	POINTHOR	822448	823509.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_114	POINTHOR	822398.1	823513.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_115	POINTHOR	822348.1	823517.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_116	POINTHOR	822298.2	823522	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_117	POINTHOR	822248.3	823526	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_118	POINTHOR	822198.5	823524.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_119	POINTHOR	822148.8	823517.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_120	POINTHOR	822099.1	823510.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_121	POINTHOR	822049.5	823503.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_122	POINTHOR	821999.8	823496.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_123	POINTHOR	821950.2	823489.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_124	POINTHOR	821900.5	823482.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_125	POINTHOR	821850.8	823475.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_126	POINTHOR	821801.5	823466.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_127	POINTHOR	821752.4	823455.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_128	POINTHOR	821703.3	823445.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_129	POINTHOR	821654.2	823434.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_130	POINTHOR	821605.1	823424.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_131	POINTHOR	821556	823413.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_132	POINTHOR	821506.9	823403	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_133	POINTHOR	821457.7	823392.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_134	POINTHOR	821408.6	823381.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_135	POINTHOR	821359.5	823371.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_136	POINTHOR	821310.4	823360.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_137	POINTHOR	821261.3	823350.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_138	POINTHOR	821212.2	823339.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_139	POINTHOR	821163	823329.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_140	POINTHOR	821113.9	823318.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_141	POINTHOR	823926.2	822425.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_142	POINTHOR	823890	822462.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_143	POINTHOR	823853.7	822499.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_144	POINTHOR	823817.5	822537.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_145	POINTHOR	823781.2	822574.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_146	POINTHOR	823745	822611.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_147	POINTHOR	823708.7	822648.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_148	POINTHOR	823672.5	822685.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_149	POINTHOR	823636.2	822722.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_150	POINTHOR	823600	822759.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	4	G3_R4_151	POINTHOR	823563.7	822797.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_152	POINTHOR	823527.5	822834.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_153	POINTHOR	823488.5	822867.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_154	POINTHOR	823448.2	822899.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_155	POINTHOR	823408	822931.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_156	POINTHOR	823367.7	822963.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_157	POINTHOR	823327.5	822996	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_158	POINTHOR	823287.2	823028	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_159	POINTHOR	823247	823060	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_160	POINTHOR	823206.7	823092.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_161	POINTHOR	823166.5	823124.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_162	POINTHOR	823123	823149.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_163	POINTHOR	823075.6	823166.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_164	POINTHOR	823028.1	823184	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_165	POINTHOR	822980.7	823201.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_166	POINTHOR	822932.9	823217.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_167	POINTHOR	822884.6	823231.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_168	POINTHOR	822836.4	823246	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_169	POINTHOR	822788.1	823260.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_170	POINTHOR	822739.9	823274.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_171	POINTHOR	822692.4	823265.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_172	POINTHOR	822645.4	823247.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_173	POINTHOR	822598.3	823229.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_174	POINTHOR	822551.2	823210.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_175	POINTHOR	822504.1	823192.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_176	POINTHOR	822457.1	823174	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_177	POINTHOR	822411.8	823150.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_178	POINTHOR	822366.6	823127.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_179	POINTHOR	822321.4	823104.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_180	POINTHOR	822276.2	823081.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_181	POINTHOR	822231	823058.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_182	POINTHOR	822185.7	823035.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_183	POINTHOR	822140.5	823012	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_184	POINTHOR	822095.3	822988.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_185	POINTHOR	822050.1	822965.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_186	POINTHOR	822004.9	822942.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_187	POINTHOR	821959.6	822919.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_188	POINTHOR	821914.4	822896.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_189	POINTHOR	821869.2	822873.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_190	POINTHOR	821824	822849.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_191	POINTHOR	821778.8	822826.8	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_192	POINTHOR	821733.5	822803.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_193	POINTHOR	821688.3	822780.5	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_194	POINTHOR	821643.1	822757.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_195	POINTHOR	821597.9	822734.2	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	4	G3_R4_196	POINTHOR	821552.6	822711	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_197	POINTHOR	821507.4	822687.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_198	POINTHOR	821462.2	822664.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_199	POINTHOR	821417	822641.6	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_200	POINTHOR	821371.8	822618.4	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_201	POINTHOR	821326.5	822595.3	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_202	POINTHOR	821281.3	822572.1	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_203	POINTHOR	821236.1	822549	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_204	POINTHOR	821190.9	822525.9	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	4	G3_R4_205	POINTHOR	821145.6	822502.7	0	4	694.7	8	0.3	3.02E-03	1.61E-04	1.57E-04
3	5	G3_R5_001	POINT	824150.4	822438.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_002	POINT	824118.8	822480.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_003	POINT	824087.2	822521.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_004	POINT	824055.7	822563.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_005	POINT	824024.1	822605.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_006	POINT	823992.5	822647.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_007	POINT	823961	822689.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_008	POINT	823929.4	822730.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_009	POINT	823897.8	822772.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_010	POINT	823866.3	822814.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_011	POINT	823834.7	822856.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_012	POINT	823803.1	822898.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_013	POINT	823771.6	822939.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_014	POINT	823740	822981.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_015	POINT	823708.4	823023.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_016	POINT	823676.9	823065.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_017	POINT	823645.9	823107.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_018	POINT	823615.2	823150.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_019	POINT	823584.6	823192.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_020	POINT	823554	823235.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_021	POINT	823523.3	823277.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_022	POINT	823492.7	823320.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_023	POINT	823462.1	823363.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_024	POINT	823431.4	823405.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_025	POINT	823393.6	823439.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_026	POINT	823350.8	823467.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_027	POINT	823307.9	823495.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_028	POINT	823265.1	823523.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_029	POINT	823222.3	823551.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_030	POINT	823179.5	823579.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_031	POINT	823134.6	823602.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_032	POINT	823088.2	823623	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_033	POINT	823041.8	823643.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_034	POINT	822995.4	823663.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_035	POINT	822949	823683.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	5	G3_R5_036	POINT	822902.6	823703.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_037	POINT	822856.1	823724	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_038	POINT	822809.7	823744.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_039	POINT	822763.3	823764.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_040	POINT	822716.9	823784.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_041	POINT	822670.5	823804.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_042	POINT	822624.1	823825.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_043	POINT	822577.7	823845.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_044	POINT	822531.2	823865.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_045	POINT	822482.6	823878.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_046	POINT	822433.7	823889.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_047	POINT	822384.8	823901.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_048	POINT	822335.9	823912.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_049	POINT	822287	823924.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_050	POINT	822238.1	823935.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_051	POINT	822189.1	823947.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_052	POINT	822140.2	823958.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_053	POINT	822091.3	823970.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_054	POINT	822042.1	823977.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_055	POINT	821992.2	823973.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_056	POINT	821942.3	823969	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_057	POINT	821892.4	823964.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_058	POINT	821842.5	823960.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_059	POINT	821792.6	823955.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_060	POINT	821742.7	823951.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_061	POINT	821692.8	823946.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_062	POINT	821642.9	823942.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_063	POINT	821592.9	823937.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_064	POINT	821543	823933.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_065	POINT	821493	823931.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_066	POINT	821443	823928.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_067	POINT	821393	823925.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_068	POINT	821342.9	823922.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_069	POINT	821292.9	823920.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_070	POINT	821242.9	823917.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_071	POINT	821192.9	823914.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_072	POINT	821142.9	823912	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_073	POINT	821092.9	823909.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_074	POINT	824031.8	822428.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_075	POINT	823999.6	822469.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_076	POINT	823967.4	822510.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_077	POINT	823935.2	822552	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_078	POINT	823903	822593.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_079	POINT	823870.8	822634.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_080	POINT	823838.6	822675.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	5	G3_R5_081	POINT	823806.5	822716.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_082	POINT	823774.3	822758.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_083	POINT	823742.1	822799.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_084	POINT	823709.9	822840.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_085	POINT	823677.7	822881.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_086	POINT	823645.5	822923.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_087	POINT	823613.3	822964.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_088	POINT	823575.2	822998.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_089	POINT	823534.9	823030.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_090	POINT	823494.7	823063	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_091	POINT	823454.5	823095.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_092	POINT	823414.3	823127.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_093	POINT	823374.1	823159.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_094	POINT	823333.9	823191.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_095	POINT	823293.7	823223.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_096	POINT	823253.4	823255.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_097	POINT	823213.2	823287.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_098	POINT	823173	823319.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_099	POINT	823128.7	823343.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_100	POINT	823081.2	823360.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_101	POINT	823033.6	823377.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_102	POINT	822986.1	823394	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_103	POINT	822938.5	823410.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_104	POINT	822891	823427.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_105	POINT	822843.1	823443.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_106	POINT	822794	823454.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_107	POINT	822745	823464.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_108	POINT	822695.9	823475.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_109	POINT	822646.8	823486.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_110	POINT	822597.7	823497	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_111	POINT	822547.9	823501.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_112	POINT	822498	823505.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_113	POINT	822448	823509.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_114	POINT	822398.1	823513.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_115	POINT	822348.1	823517.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_116	POINT	822298.2	823522	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_117	POINT	822248.3	823526	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_118	POINT	822198.5	823524.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_119	POINT	822148.8	823517.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_120	POINT	822099.1	823510.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_121	POINT	822049.5	823503.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_122	POINT	821999.8	823496.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_123	POINT	821950.2	823489.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_124	POINT	821900.5	823482.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_125	POINT	821850.8	823475.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	5	G3_R5_126	POINT	821801.5	823466.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_127	POINT	821752.4	823455.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_128	POINT	821703.3	823445.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_129	POINT	821654.2	823434.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_130	POINT	821605.1	823424.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_131	POINT	821556	823413.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_132	POINT	821506.9	823403	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_133	POINT	821457.7	823392.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_134	POINT	821408.6	823381.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_135	POINT	821359.5	823371.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_136	POINT	821310.4	823360.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_137	POINT	821261.3	823350.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_138	POINT	821212.2	823339.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_139	POINT	821163	823329.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_140	POINT	821113.9	823318.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_141	POINT	823926.2	822425.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_142	POINT	823890	822462.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_143	POINT	823853.7	822499.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_144	POINT	823817.5	822537.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_145	POINT	823781.2	822574.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_146	POINT	823745	822611.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_147	POINT	823708.7	822648.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_148	POINT	823672.5	822685.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_149	POINT	823636.2	822722.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_150	POINT	823600	822759.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_151	POINT	823563.7	822797.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_152	POINT	823527.5	822834.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_153	POINT	823488.5	822867.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_154	POINT	823448.2	822899.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_155	POINT	823408	822931.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_156	POINT	823367.7	822963.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_157	POINT	823327.5	822996	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_158	POINT	823287.2	823028	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_159	POINT	823247	823060	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_160	POINT	823206.7	823092.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_161	POINT	823166.5	823124.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_162	POINT	823123	823149.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_163	POINT	823075.6	823166.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_164	POINT	823028.1	823184	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_165	POINT	822980.7	823201.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_166	POINT	822932.9	823217.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_167	POINT	822884.6	823231.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_168	POINT	822836.4	823246	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_169	POINT	822788.1	823260.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_170	POINT	822739.9	823274.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	5	G3_R5_171	POINT	822692.4	823265.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_172	POINT	822645.4	823247.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_173	POINT	822598.3	823229.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_174	POINT	822551.2	823210.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_175	POINT	822504.1	823192.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_176	POINT	822457.1	823174	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_177	POINT	822411.8	823150.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_178	POINT	822366.6	823127.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_179	POINT	822321.4	823104.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_180	POINT	822276.2	823081.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_181	POINT	822231	823058.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_182	POINT	822185.7	823035.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_183	POINT	822140.5	823012	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_184	POINT	822095.3	822988.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_185	POINT	822050.1	822965.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_186	POINT	822004.9	822942.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_187	POINT	821959.6	822919.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_188	POINT	821914.4	822896.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_189	POINT	821869.2	822873.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_190	POINT	821824	822849.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_191	POINT	821778.8	822826.8	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_192	POINT	821733.5	822803.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_193	POINT	821688.3	822780.5	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_194	POINT	821643.1	822757.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_195	POINT	821597.9	822734.2	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_196	POINT	821552.6	822711	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_197	POINT	821507.4	822687.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_198	POINT	821462.2	822664.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_199	POINT	821417	822641.6	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_200	POINT	821371.8	822618.4	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_201	POINT	821326.5	822595.3	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_202	POINT	821281.3	822572.1	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_203	POINT	821236.1	822549	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_204	POINT	821190.9	822525.9	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	5	G3_R5_205	POINT	821145.6	822502.7	0	20	555	25	0.8	2.42E-03	1.06E-04	1.03E-04
3	6	G3_R6_001	POINT	824150.4	822438.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_002	POINT	824118.8	822480.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_003	POINT	824087.2	822521.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_004	POINT	824055.7	822563.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_005	POINT	824024.1	822605.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_006	POINT	823992.5	822647.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_007	POINT	823961	822689.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_008	POINT	823929.4	822730.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_009	POINT	823897.8	822772.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_010	POINT	823866.3	822814.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	6	G3_R6_011	POINT	823834.7	822856.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_012	POINT	823803.1	822898.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_013	POINT	823771.6	822939.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_014	POINT	823740	822981.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_015	POINT	823708.4	823023.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_016	POINT	823676.9	823065.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_017	POINT	823645.9	823107.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_018	POINT	823615.2	823150.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_019	POINT	823584.6	823192.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_020	POINT	823554	823235.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_021	POINT	823523.3	823277.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_022	POINT	823492.7	823320.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_023	POINT	823462.1	823363.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_024	POINT	823431.4	823405.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_025	POINT	823393.6	823439.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_026	POINT	823350.8	823467.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_027	POINT	823307.9	823495.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_028	POINT	823265.1	823523.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_029	POINT	823222.3	823551.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_030	POINT	823179.5	823579.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_031	POINT	823134.6	823602.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_032	POINT	823088.2	823623	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_033	POINT	823041.8	823643.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_034	POINT	822995.4	823663.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_035	POINT	822949	823683.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_036	POINT	822902.6	823703.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_037	POINT	822856.1	823724	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_038	POINT	822809.7	823744.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_039	POINT	822763.3	823764.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_040	POINT	822716.9	823784.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_041	POINT	822670.5	823804.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_042	POINT	822624.1	823825.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_043	POINT	822577.7	823845.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_044	POINT	822531.2	823865.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_045	POINT	822482.6	823878.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_046	POINT	822433.7	823889.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_047	POINT	822384.8	823901.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_048	POINT	822335.9	823912.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_049	POINT	822287	823924.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_050	POINT	822238.1	823935.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_051	POINT	822189.1	823947.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_052	POINT	822140.2	823958.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_053	POINT	822091.3	823970.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_054	POINT	822042.1	823977.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_055	POINT	821992.2	823973.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	6	G3_R6_056	POINT	821942.3	823969	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_057	POINT	821892.4	823964.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_058	POINT	821842.5	823960.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_059	POINT	821792.6	823955.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_060	POINT	821742.7	823951.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_061	POINT	821692.8	823946.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_062	POINT	821642.9	823942.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_063	POINT	821592.9	823937.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_064	POINT	821543	823933.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_065	POINT	821493	823931.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_066	POINT	821443	823928.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_067	POINT	821393	823925.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_068	POINT	821342.9	823922.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_069	POINT	821292.9	823920.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_070	POINT	821242.9	823917.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_071	POINT	821192.9	823914.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_072	POINT	821142.9	823912	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_073	POINT	821092.9	823909.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_074	POINT	824031.8	822428.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_075	POINT	823999.6	822469.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_076	POINT	823967.4	822510.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_077	POINT	823935.2	822552	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_078	POINT	823903	822593.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_079	POINT	823870.8	822634.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_080	POINT	823838.6	822675.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_081	POINT	823806.5	822716.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_082	POINT	823774.3	822758.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_083	POINT	823742.1	822799.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_084	POINT	823709.9	822840.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_085	POINT	823677.7	822881.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_086	POINT	823645.5	822923.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_087	POINT	823613.3	822964.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_088	POINT	823575.2	822998.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_089	POINT	823534.9	823030.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_090	POINT	823494.7	823063	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_091	POINT	823454.5	823095.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_092	POINT	823414.3	823127.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_093	POINT	823374.1	823159.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_094	POINT	823333.9	823191.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_095	POINT	823293.7	823223.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_096	POINT	823253.4	823255.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_097	POINT	823213.2	823287.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_098	POINT	823173	823319.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_099	POINT	823128.7	823343.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_100	POINT	823081.2	823360.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	6	G3_R6_101	POINT	823033.6	823377.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_102	POINT	822986.1	823394	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_103	POINT	822938.5	823410.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_104	POINT	822891	823427.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_105	POINT	822843.1	823443.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_106	POINT	822794	823454.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_107	POINT	822745	823464.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_108	POINT	822695.9	823475.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_109	POINT	822646.8	823486.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_110	POINT	822597.7	823497	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_111	POINT	822547.9	823501.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_112	POINT	822498	823505.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_113	POINT	822448	823509.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_114	POINT	822398.1	823513.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_115	POINT	822348.1	823517.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_116	POINT	822298.2	823522	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_117	POINT	822248.3	823526	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_118	POINT	822198.5	823524.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_119	POINT	822148.8	823517.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_120	POINT	822099.1	823510.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_121	POINT	822049.5	823503.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_122	POINT	821999.8	823496.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_123	POINT	821950.2	823489.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_124	POINT	821900.5	823482.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_125	POINT	821850.8	823475.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_126	POINT	821801.5	823466.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_127	POINT	821752.4	823455.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_128	POINT	821703.3	823445.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_129	POINT	821654.2	823434.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_130	POINT	821605.1	823424.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_131	POINT	821556	823413.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_132	POINT	821506.9	823403	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_133	POINT	821457.7	823392.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_134	POINT	821408.6	823381.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_135	POINT	821359.5	823371.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_136	POINT	821310.4	823360.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_137	POINT	821261.3	823350.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_138	POINT	821212.2	823339.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_139	POINT	821163	823329.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_140	POINT	821113.9	823318.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_141	POINT	823926.2	822425.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_142	POINT	823890	822462.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_143	POINT	823853.7	822499.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_144	POINT	823817.5	822537.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_145	POINT	823781.2	822574.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	6	G3_R6_146	POINT	823745	822611.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_147	POINT	823708.7	822648.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_148	POINT	823672.5	822685.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_149	POINT	823636.2	822722.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_150	POINT	823600	822759.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_151	POINT	823563.7	822797.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_152	POINT	823527.5	822834.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_153	POINT	823488.5	822867.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_154	POINT	823448.2	822899.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_155	POINT	823408	822931.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_156	POINT	823367.7	822963.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_157	POINT	823327.5	822996	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_158	POINT	823287.2	823028	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_159	POINT	823247	823060	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_160	POINT	823206.7	823092.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_161	POINT	823166.5	823124.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_162	POINT	823123	823149.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_163	POINT	823075.6	823166.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_164	POINT	823028.1	823184	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_165	POINT	822980.7	823201.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_166	POINT	822932.9	823217.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_167	POINT	822884.6	823231.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_168	POINT	822836.4	823246	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_169	POINT	822788.1	823260.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_170	POINT	822739.9	823274.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_171	POINT	822692.4	823265.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_172	POINT	822645.4	823247.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_173	POINT	822598.3	823229.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_174	POINT	822551.2	823210.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_175	POINT	822504.1	823192.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_176	POINT	822457.1	823174	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_177	POINT	822411.8	823150.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_178	POINT	822366.6	823127.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_179	POINT	822321.4	823104.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_180	POINT	822276.2	823081.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_181	POINT	822231	823058.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_182	POINT	822185.7	823035.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_183	POINT	822140.5	823012	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_184	POINT	822095.3	822988.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_185	POINT	822050.1	822965.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_186	POINT	822004.9	822942.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_187	POINT	821959.6	822919.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_188	POINT	821914.4	822896.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_189	POINT	821869.2	822873.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_190	POINT	821824	822849.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05

Modelling Parameters

Gate	Group	Source ID	Type	X	Y	Base Elevation	Release Height [1]	Exit Temperature [1]	Exit velocity [1]	Internal diameter [1]	Emission Rate per Trip [2]		
											NOx	RSP	FSP
				(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(g/s)	(g/s)	(g/s)
3	6	G3_R6_191	POINT	821778.8	822826.8	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_192	POINT	821733.5	822803.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_193	POINT	821688.3	822780.5	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_194	POINT	821643.1	822757.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_195	POINT	821597.9	822734.2	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_196	POINT	821552.6	822711	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_197	POINT	821507.4	822687.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_198	POINT	821462.2	822664.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_199	POINT	821417	822641.6	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_200	POINT	821371.8	822618.4	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_201	POINT	821326.5	822595.3	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_202	POINT	821281.3	822572.1	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_203	POINT	821236.1	822549	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_204	POINT	821190.9	822525.9	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05
3	6	G3_R6_205	POINT	821145.6	822502.7	0	11	588	8	0.2	1.07E-03	3.49E-05	3.38E-05

Notes:

[1] Modelling parameters are referred to "Generating an Hour-By-Hour Model-Ready Marine Emission Inventory, RWDI Air Inc. and Environment Canada, US EPA 17th International Emission Inventory Conference, 2-5 June 2008, Portland, Oregon", approved EIA of Tuen Mun South Extension (AERIAR-236/2022), and approved EIA of Lei Yue Mun Waterfront Enhancement Project (AERIAR-219/2018).

[2] Emission Rate per Trip = Time-in-mode x Engine Load Factors x Low Load Multiplier x Engine Power x Emission Factor, which are made reference to Study on Marine Vessels Emission Inventory Final Report (HKUST, February 2012) and Marine Traffic Consultant data.

Calculation of Multiplying Factor for Total Vessel Count

Monthly Vessel Count for Year 2048

Marine Gate	Monthly Vessel Count in Dec [1]
Gate 2	10,689

Notes:

[1] The marine traffic data for December is provided by Marine Traffic Consultant.

Monthly Multiplying Factor dervied from Marine Traffic in Year 2019

Month	Total No. of Arrivals by RTVs [1]	Monthly Multiplying Factor
Jan-19	5,820	1.03
Feb-19	3,401	0.60
Mar-19	5,783	1.03
Apr-19	5,411	0.96
May-19	5,766	1.02
Jun-19	5,456	0.97
Jul-19	5,645	1.00
Aug-19	5,659	1.00
Sep-19	5,382	0.96
Oct-19	5,160	0.92
Nov-19	5,534	0.98
Dec-19	**5,632**	**1.00**

Notes:

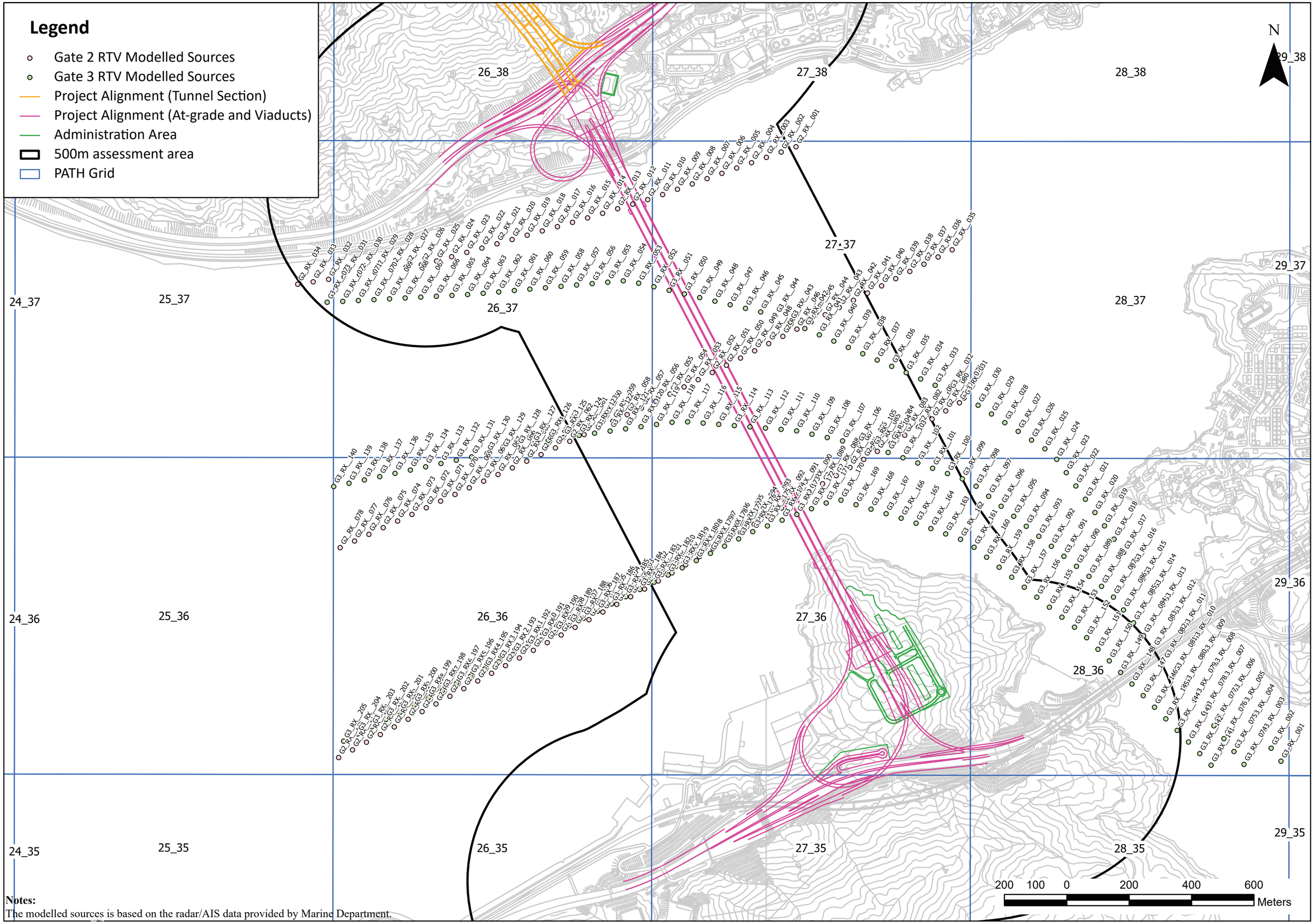
[1] Since no monthly profile is available from Marine Traffic Consultant, the annual vessel count is calculated based on monthly profile in "Monthly Vessel Arrivals by Ocean/River and Cargo/Passenger Vessels" published by Marine Department (https://www.mardep.gov.hk/en/fact/pdf/portstat_2_m_a1.pdf). Due to the pandemic situation, there was a significant change in marine traffic from Year 2020 to Year 2022. In view of this, the monthly profile of Year 2019 is considered the most appropriate and therefore adopted and assumed the same for future years.

Hourly Multiplying Factor derived from Marine Traffic in December 2048

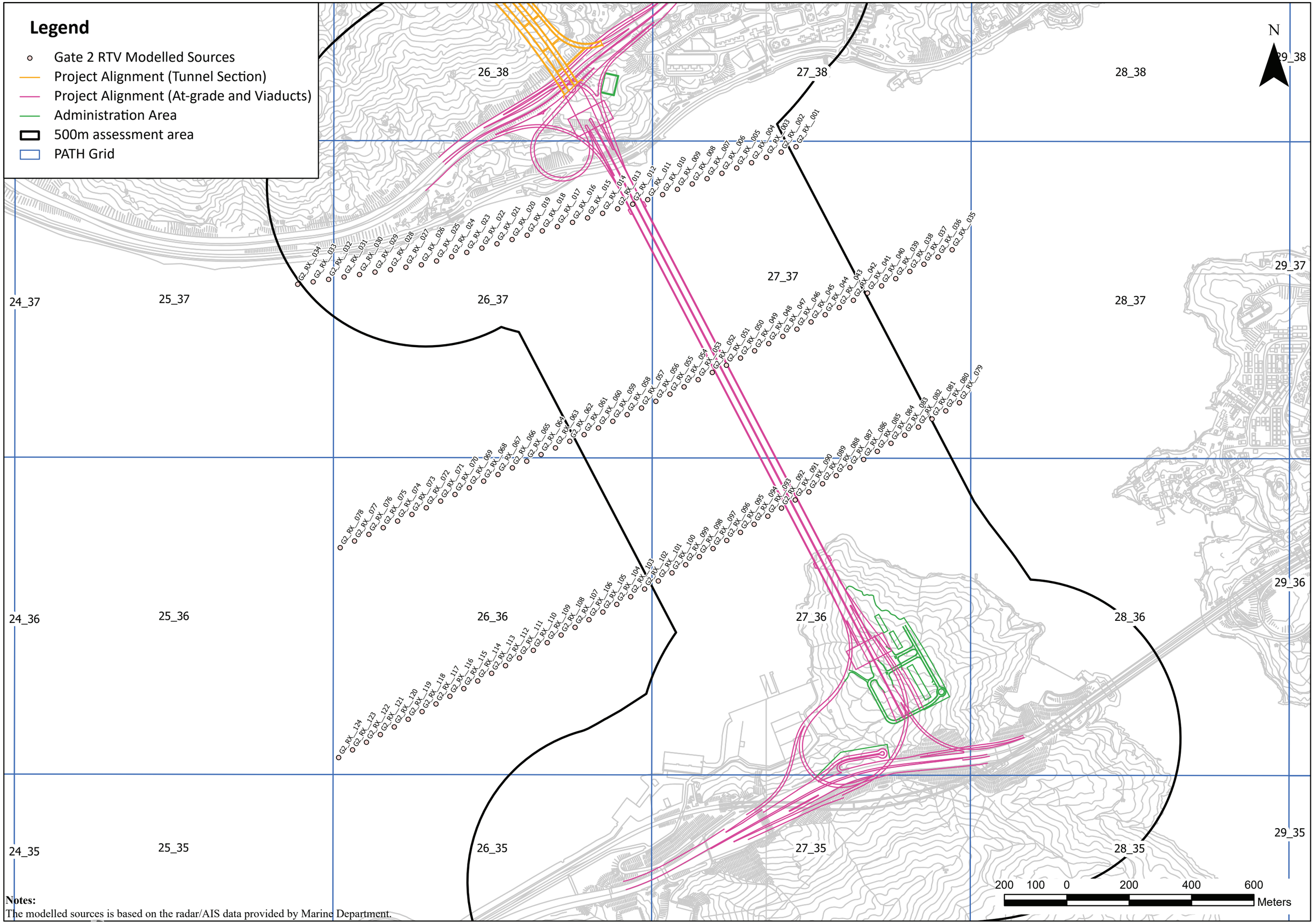
Hour		Gate 3	
Start	End	No. of Marine Vessels [1]	Hourly Multplying Factor
0	1	200	3.6%
1	2	195	3.5%
2	3	224	4.0%
3	4	201	3.6%
4	5	260	4.7%
5	6	257	4.6%
6	7	241	4.3%
7	8	216	3.9%
8	9	171	3.1%
9	10	198	3.5%
10	11	267	4.8%
11	12	312	5.6%
12	13	268	4.8%
13	14	298	5.3%
14	15	226	4.1%
15	16	217	3.9%
16	17	242	4.3%
17	18	265	4.8%
18	19	261	4.7%
19	20	245	4.4%
20	21	223	4.0%
21	22	198	3.5%
22	23	206	3.7%
23	24	187	3.4%

Notes:

[1] The number of hourly marine vessels for Dec 2048 is provided by Marine Traffic Consultant. It contains the total number of marine vessels for the 31 days in December in Year 2048 for each hour. For example, from Hour 0 to Hour 1 (i.e. first hour of 1 Dec + first hour of 2 Dec, ... 1st hour of 31 Dec), there are total 200 marine vessels for the first hour during the whole December.



Notes:
The modelled sources is based on the radar/AIS data provided by Marine Department.



Notes:
The modelled sources is based on the radar/AIS data provided by Marine Department.

Legend

- Gate 3 RTV Modelled Sources
- Project Alignment (Tunnel Section)
- Project Alignment (At-grade and Viaducts)
- Administration Area
- 500m assessment area
- PATH Grid

N

24_37 25_37 26_37 27_37 28_37 29_37

24_36 25_36 26_36 27_36 28_36 29_36

24_35 25_35 26_35 27_35 28_35 29_35

200 100 0 200 400 600 Meters

Notes:
The modelled sources is based on the radar/AIS data provided by Marine Department.