Annex - 1

Idling Emission Factors for Year 2033 and Year 2048

Population of diesel vehicle (Based on Emfac 4.3)

Assessment Year : 2033

FirstRegYear	Age	Population of Diesel Vehicle																	
		01 - Private Cars (PC)	02 - Taxi	03 - Light Goods Vehicles<=2.5t	04 - Lt Goods Vehicles 2.5-3.5t	05 - Light Goods Vehicles>3.5t	06 - Medium & Heavy Goods Vehicles	07 - Medium & Heavy Goods Vehicles	08 - Public Light Buses	09 - Private Light Bus <=3.5t	10 - Private Light Bus >3.5t	11 - Non-franchised Bus<=6.4t	12 - Non-franchised Bus 6.4-15t	13 - Non-franchised Bus 15-24t	14 - Franchised Bus (SD)	15 - Franchised Bus (DD)	16 - Motorcycles (MC)	17 - Medium & Heavy Goods Vehicles	18 - Non-franchised Bus >24t
2033	1	929.93	0.00	41.07	4,883.17	1,906.08	1,191.24	2,065.35	364.79	40.03	334.46	174.45	129.60	278.91	28.00	822.96	0.00	561.74	0.14
2032	2	995.04	0.00	47.07	4,843.15	2,050.61	1,295.59	2,225.29	303.11	39.74	318.41	160.13	128.30	283.03	0.00	442.00	0.00	664.22	0.10
2031	3	1,044.77	0.00	42.94	5,016.28	2,049.50	1,232.00	2,318.93	306.82	40.89	310.96	170.92	127.02	318.31	25.00	439.98	0.00	753.73	0.06
2030	4	1,055.56	0.00	73.33	5,904.72	2,364.48	1,680.69	2,893.30	269.35	41.59	371.94	186.87	132.63	354.26	54.00	221.01	0.00	917.19	0.04
2029	5	1,018.37	0.00	83.75	6,159.89	1,997.42	1,477.62	2,867.30	238.14	40.28	366.70	201.36	145.44	387.41	49.00	280.99	0.00	764.06	0.02
2028	6	934.87	0.00	36.63	3,029.57	820.69	499.57	1,210.80	209.94	32.41	278.27	200.85	126.06	337.54	36.00	176.99	0.00	371.09	0.02
2027	7	817.81	0.00	40.91	3,130.72	784.15	502.94	1,202.67	210.95	30.23	287.41	219.10	136.10	345.97	46.00	47.00	0.00	381.96	0.18
2026	8	685.35	0.00	41.95	3,213.48	817.84	555.76	1,303.91	231.71	33.21	277.24	229.22	149.10	348.84	10.00	45.00	0.00	402.99	0.32
2025	9	554.94	0.00	40.63	3,242.98	848.37	596.15	1,351.74	271.25	30.19	251.80	224.87	147.84	327.86	8.00	64.01	0.00	399.35	0.31
2024	10	440.82	0.00	38.56	3,527.55	988.72	685.29	1,498.95	331.56	29.26	236.05	225.73	154.29	299.75	9.00	109.99	0.00	382.10	0.28
2023	11	265.11	0.00	30.98	3,819.15	1,304.13	868.42	1,869.76	299.75	31.52	228.55	217.89	160.79	260.85	5.00	49.01	0.00	370.60	0.25
2022	12	223.36	0.00	28.30	3,974.95	1,524.39	965.29	2,088.61	312.70	27.23	195.26	194.71	141.18	208.89	0.00	176.00	0.00	349.34	0.21
2021	13	199.24	0.00	17.17	2,398.17	1,107.34	649.02	1,341.56	246.45	20.16	117.37	80.18	59.16	86.35	0.00	190.01	0.00	211.56	0.08
2020	14	187.79	0.00	7.85	1,797.58	1,231.58	573.73	1,062.65	81.71	16.23	49.44	32.99	12.91	15.48	0.00	322.00	0.00	126.88	0.00
2019	15	184.56	0.00	7.21	1,277.04	952.49	442.89	818.75	70.20	11.97	41.97	25.59	8.62	11.60	0.00	294.97	0.00	107.25	0.00
2018	16	86.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	648.00	0.00	0.00	0.00
2017	17	1,066.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	678.00	0.00	0.00	0.00
2016	18	348.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	835.00	0.00	0.00	0.00
2015	19	215.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
2014	20	151.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	21	24.19	0.00	13.14	953.20	209.32	226.36	386.85	0.99	0.15	56.00	1.45	4.82	9.53	0.00	0.00	0.00	130.07	0.00
2012	22	2.92	0.00	0.17	2.07	87.86	98.52	113.38	0.30	0.00	16.13	0.69	3.14	4.37	0.00	0.00	0.00	60.15	0.00
2011	23	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	24	4.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	25	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	29	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	30	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	31	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	32	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2001	33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	36	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	37	0.78	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1996	38	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	39	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	40	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	41	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	42	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	43	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1989	45	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note
1. Only diesel vehicles are presented.
2. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Age Population Profile

FirstReg Year	Age	% by Age																
		14 - FBSD	15 - FBDD	11 - NFB6	12 - NFB7	13 - NFB8	18 - NFB9	06 - HGV7	07 - HGV8	17 - HGV9	18 - NFB9	01 - PC	03 - LGV3	04 - LGV4	05 - LGV6	08 - Public Light Buses	09 - Private Light Bus <=3.5t	10 - Private Light Bus >3.5t
2033	1	10.18%	14.08%	6.85%	7.33%	7.19%	6.96%	8.80%	7.76%	8.08%	6.96%	8.12%	6.94%	8.54%	9.06%	9.73%	8.61%	8.95%
2032	2	0.00%	7.56%	6.29%	7.26%	7.30%	4.76%	9.57%	8.36%	9.55%	4.76%	8.69%	7.95%	8.47%	9.74%	8.08%	8.54%	8.52%
2031	3	9.09%	7.53%	6.71%	7.19%	8.21%	3.00%	9.10%	8.71%	10.84%	3.00%	9.13%	7.26%	8.77%	9.74%	8.18%	8.79%	8.32%
2030	4	19.64%	3.78%	7.34%	7.51%	9.13%	1.77%	12.41%	10.87%	13.19%	1.77%	9.22%	12.39%	10.33%	11.24%	7.18%	8.94%	9.95%
2029	5	17.82%	4.81%	7.91%	8.23%	9.99%	1.00%	10.91%	10.77%	10.99%	1.00%	8.90%	14.15%	10.77%	9.49%	6.35%	8.66%	9.81%
2028	6	13.09%	3.03%	7.89%	7.13%	8.70%	1.05%	3.69%	4.55%	5.34%	1.05%	8.17%	6.19%	5.30%	3.90%	5.60%	6.97%	7.44%
2027	7	16.73%	0.80%	8.60%	7.70%	8.92%	8.84%	3.71%	4.52%	5.49%	8.84%	7.14%	6.91%	5.48%	3.73%	5.63%	6.50%	7.69%
2026	8	3.64%	0.77%	9.00%	8.44%	8.99%	15.92%	4.10%	4.90%	5.79%	15.92%	5.99%	7.09%	5.62%	3.89%	6.18%	7.14%	7.42%
2025	9	2.91%	1.10%	8.83%	8.37%	8.45%	15.26%	4.40%	5.08%	5.74%	15.26%	4.85%	6.87%	5.67%	4.03%	7.23%	6.49%	6.74%
2024	10	3.27%	1.88%	8.86%	8.73%	7.73%	14.23%	5.06%	5.63%	5.49%	14.23%	3.85%	6.52%	6.17%	4.70%	8.84%	6.29%	6.31%
2023	11	1.82%	0.84%	8.55%	9.10%	6.72%	12.67%	6.41%	7.02%	5.33%	12.67%	2.32%	5.24%	6.68%	6.20%	7.99%	6.78%	6.11%
2022	12	0.00%	3.01%	7.64%	7.99%	5.39%	10.54%	7.13%	7.85%	5.02%	10.54%	1.95%	4.78%	6.95%	7.24%	8.34%	5.86%	5.22%
2021	13	0.00%	3.25%	3.15%	3.35%	2.23%	4.01%	4.79%	5.04%	3.04%	4.01%	1.74%	2.90%	4.19%	5.26%	6.57%	4.33%	3.14%
2020	14	0.00%	5.51%	1.30%	0.73%	0.40%	0.00%	4.24%	3.99%	1.82%	0.00%	1.64%	1.33%	3.14%	5.85%	2.18%	3.49%	1.32%
2019	15	0.00%	5.05%	1.00%	0.49%	0.30%	0.00%	3.27%	3.08%	1.54%	0.00%	1.61%	1.22%	2.23%	4.53%	1.87%	2.57%	1.12%
2018	16	0.00%	11.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2017	17	1.82%	11.60%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.31%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2016	18	0.00%	14.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2015	19	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2014	20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2013	21	0.00%	0.00%	0.06%	0.27%	0.25%	0.00%	1.67%	1.45%	1.87%	0.00%	0.21%	2.22%	1.67%	0.99%	0.03%	0.03%	1.50%
2012	22	0.00%	0.00%	0.03%	0.18%	0.11%	0.00%	0.73%	0.43%	0.86%	0.00%	0.03%	0.03%	0.00%	0.42%	0.01%	0.00%	0.43%
2011	23	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	24	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2009	25	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2008	26	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2007	27	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2006	28	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2005	29	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2004	30	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2003	31	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2002	32	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2001	33	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2000	34	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1999	35	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1998	36	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1997	37	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1996	38	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1995	39	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1994	40	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1993	41	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1992	42	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1991	43	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1990	44	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1989	45	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Note
1. Only diesel vehicles are presented.
2. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Population of Light Buses (Based on Emfac 4.3)

Assessment Year : 2033

FirstRegYear	Age	Population of Light Buses								
		08 - Public Light Buses (Petrol)	09 - Private Light Bus <=3.5t (Petrol)	10 - Private Light Bus >3.5t (Petrol)	08 - Public Light Buses (Diesel)	09 - Private Light Bus <=3.5t (Diesel)	10 - Private Light Bus >3.5t (Diesel)	08 - Public Light Buses (LPG)	09 - Private Light Bus <=3.5t (LPG)	10 - Private Light Bus >3.5t (LPG)
2033	1	0.00	0.00	0.00	364.79	40.03	334.46	0.00	0.00	0.00
2032	2	0.00	0.00	0.00	303.11	39.74	318.41	0.00	0.00	0.00
2031	3	0.00	0.00	0.00	306.82	40.89	310.96	0.00	0.00	0.00
2030	4	0.00	0.00	0.00	269.35	41.59	371.94	0.00	0.00	0.00
2029	5	0.00	0.00	0.00	238.14	40.28	366.70	0.00	0.00	0.00
2028	6	0.00	0.00	0.00	209.94	32.41	278.27	0.00	0.00	0.00
2027	7	0.00	0.00	0.00	210.95	30.23	287.41	0.00	0.00	0.00
2026	8	0.00	0.00	0.00	231.71	33.21	277.24	0.00	0.00	0.00
2025	9	0.00	0.00	0.00	271.25	30.19	251.80	0.00	0.00	0.00
2024	10	0.00	0.00	0.00	331.56	29.26	236.05	0.00	0.00	0.00
2023	11	0.00	0.00	0.00	299.75	31.52	228.55	0.00	0.00	0.00
2022	12	0.00	0.00	0.00	312.70	27.23	195.26	0.00	0.00	0.00
2021	13	0.00	0.00	0.10	246.45	20.16	117.37	31.33	0.00	6.55
2020	14	0.00	0.00	0.36	81.71	16.23	49.44	171.09	0.00	23.12
2019	15	0.00	0.00	0.30	70.20	11.97	41.97	146.99	0.00	19.62
2018	16	0.00	0.00	0.49	0.00	0.00	0.00	123.98	0.00	31.95
2017	17	0.00	4.98	0.00	0.00	0.00	0.00	45.55	0.00	23.53
2016	18	0.00	5.26	0.00	0.00	0.00	0.00	19.56	0.00	25.28
2015	19	0.00	0.00	0.00	0.00	0.00	0.00	11.92	0.00	24.64
2014	20	0.00	0.00	0.00	0.00	0.00	0.00	4.75	0.00	17.76
2013	21	0.00	0.59	0.00	0.99	0.15	56.00	1.80	0.00	12.41
2012	22	0.00	13.83	0.00	0.30	0.00	16.13	1.44	0.00	8.54
2011	23	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	7.71
2010	24	0.00	0.24	0.00	0.00	0.00	0.00	2.54	0.00	8.89
2009	25	0.00	8.79	0.00	0.00	0.00	0.00	1.08	0.00	8.68
2008	26	0.00	4.53	0.11	0.00	0.00	0.00	1.31	0.00	13.48
2007	27	0.00	1.56	0.00	0.00	0.00	0.00	0.39	0.00	12.00
2006	28	0.00	0.52	0.26	0.00	0.00	0.00	0.35	0.00	5.75
2005	29	0.00	2.92	0.00	0.00	0.00	0.00	4.59	0.00	3.36
2004	30	0.00	1.65	0.00	0.00	0.00	0.00	2.00	0.00	4.94
2003	31	0.00	2.69	0.00	0.00	0.00	0.00	0.71	0.00	2.51
2002	32	0.00	0.18	0.00	0.00	0.00	0.00	0.45	0.00	3.86
2001	33	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.34
2000	34	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	36	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00
1997	37	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
1996	38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991	43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1989	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note

1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Age Population Profile

FirstReg Year	Age	% by Age								
		08 - Public Light Buses (Petrol)	09 - Private Light Bus <=3.5t (Petrol)	10 - Private Light Bus >3.5t (Petrol)	08 - Public Light Buses (Diesel)	09 - Private Light Bus <=3.5t (Diesel)	10 - Private Light Bus >3.5t (Diesel)	08 - Public Light Buses (LPG)	09 - Private Light Bus <=3.5t (LPG)	10 - Private Light Bus >3.5t (LPG)
2033	1	0.00%	0.00%	0.00%	9.73%	8.61%	8.95%	0.00%	0.00%	0.00%
2032	2	0.00%	0.00%	0.00%	8.08%	8.54%	8.52%	0.00%	0.00%	0.00%
2031	3	0.00%	0.00%	0.00%	8.18%	8.79%	8.32%	0.00%	0.00%	0.00%
2030	4	0.00%	0.00%	0.00%	7.18%	8.94%	9.95%	0.00%	0.00%	0.00%
2029	5	0.00%	0.00%	0.00%	6.35%	8.66%	9.81%	0.00%	0.00%	0.00%
2028	6	0.00%	0.00%	0.00%	5.60%	6.97%	7.44%	0.00%	0.00%	0.00%
2027	7	0.00%	0.00%	0.00%	5.63%	6.50%	7.69%	0.00%	0.00%	0.00%
2026	8	0.00%	0.00%	0.00%	6.18%	7.14%	7.42%	0.00%	0.00%	0.00%
2025	9	0.00%	0.00%	0.00%	7.23%	6.49%	6.74%	0.00%	0.00%	0.00%
2024	10	0.00%	0.00%	0.00%	8.84%	6.29%	6.31%	0.00%	0.00%	0.00%
2023	11	0.00%	0.00%	0.00%	7.99%	6.78%	6.11%	0.00%	0.00%	0.00%
2022	12	0.00%	0.00%	0.00%	8.34%	5.86%	5.22%	0.00%	0.00%	0.00%
2021	13	0.00%	0.00%	4.76%	6.57%	4.33%	3.14%	5.47%	0.00%	2.47%
2020	14	0.00%	0.00%	16.80%	2.18%	3.49%	1.32%	29.84%	0.00%	8.73%
2019	15	0.00%	0.00%	14.26%	1.87%	2.57%	1.12%	25.64%	0.00%	7.41%
2018	16	0.00%	0.00%	23.21%	0.00%	0.00%	0.00%	21.63%	0.00%	12.06%
2017	17	0.00%	10.39%	0.00%	0.00%	0.00%	0.00%	7.94%	0.00%	8.88%
2016	18	0.00%	10.98%	0.00%	0.00%	0.00%	0.00%	3.41%	0.00%	9.54%
2015	19	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.08%	0.00%	9.30%
2014	20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.83%	0.00%	6.70%
2013	21	0.00%	1.23%	0.00%	0.03%	0.03%	1.50%	0.31%	0.00%	4.69%
2012	22	0.00%	28.87%	0.00%	0.01%	0.00%	0.43%	0.25%	0.00%	3.22%
2011	23	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.25%	0.00%	2.91%
2010	24	0.00%	0.50%	0.00%	0.00%	0.00%	0.00%	0.44%	0.00%	3.36%
2009	25	0.00%	18.35%	0.00%	0.00%	0.00%	0.00%	0.19%	0.00%	3.28%
2008	26	0.00%	9.46%	5.35%	0.00%	0.00%	0.00%	0.23%	0.00%	5.09%
2007	27	0.00%	3.26%	0.00%	0.00%	0.00%	0.00%	0.07%	0.00%	4.53%
2006	28	0.00%	1.09%	12.34%	0.00%	0.00%	0.00%	0.06%	0.00%	2.17%
2005	29	0.00%	6.09%	0.00%	0.00%	0.00%	0.00%	0.80%	0.00%	1.27%
2004	30	0.00%	3.44%	0.00%	0.00%	0.00%	0.00%	0.35%	0.00%	1.87%
2003	31	0.00%	5.61%	0.00%	0.00%	0.00%	0.00%	0.12%	0.00%	0.95%
2002	32	0.00%	0.37%	0.00%	0.00%	0.00%	0.00%	0.08%	0.00%	1.46%
2001	33	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.13%
2000	34	0.00%	0.35%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1999	35	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1998	36	0.00%	0.00%	15.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1997	37	0.00%	0.00%	7.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1996	38	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1995	39	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1994	40	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1993	41	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1992	42	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1991	43	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1990	44	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1989	45	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Technology Group Fractions

	FBSD							FBDD							NFB6							NFB7							NFB8							NFB9							HGV7						
FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1972	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1973	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1974	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1975	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1976	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1977	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1978	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1979	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1980	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1981	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1982	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1983	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1984	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1985	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1986	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1987	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1988	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1989	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1990	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1991	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1992	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1993	100.0%							82.5%	17.5%						100.0%							100.0%							100.0%							100.0%							100.0%						
1994		100.0%						9.7%	90.3%						100.0%							100.0%							100.0%							100.0%							100.0%						
1995		100.0%							100.0%							100.0%							100.0%						25.0%	75.0%						25.0%	75.0%						100.0%						
1996		50.0%	50.0%						100.0%							100.0%							100.0%							100.0%							100.0%							100.0%					
1997			100.0%						28.2%	71.8%						20.0%	80.0%						14.29%	85.71%							100.0%							100.0%							100.0%				
1998			100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%				
1999			100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%				
2000			100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%				
2001			100.0%							42.5%	57.5%							100.0%						57.14%	42.86%							100.0%							100.0%						7.1%	92.9%			
2002			100.0%							0.3%	99.7%							100.0%							100.0%							100.0%							100.0%							100.0%			
2003				100.0%						16.3%	83.7%							100.0%							100.0%							100.0%							100.0%							100.0%			
2004				100.0%						49.7%	50.3%							100.0%							100.0%							100.0%							100.0%							100.0%			
2005				100.0%						61.2%	38.8%							100.0%							100.0%							100.0%							100.0%							100.0%			
2006				100.0%							98.2%	0.9%	0.9%					69.2%	30.8%						55.56%	44.44%						51.2%	48.8%						51.2%	48.8%						69.5%	30.5%		
2007				37.5%	62.5%						95.3%	4.7%							100.0%							100.0%							100.0%							100.0%							100.0%		
2008					100.0%						48.9%	51.1%							100.0%							100.0%							100.0%							100.0%							100.0%		
2009					100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%		
2010					22.2%	77.8%						31.6%	68.4%						100.0%							100.0%							100.0%							100.0%							100.0%		
2011						100.0%						3.9%	96.1%						100.0%							100.0%							100.0%							100.0%							100.0%		
2012						100.0%							100.0%						36.7%	63.3%						28.24%	71.76%						39.3%	60.7%						39.3%	60.7%						40.1%	59.9%	
2013						100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%	
2014						100.0%							99.1%	0.9%						100.0%							100.0%							100.0%							100.0%							100.0%	
2015						100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%	
2016						100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%	
2017							100.0%						99.9%	0.1%						100.0%							100.0%							100.0%							100.0%							100.0%	
2018						75.0%	25.0%						84.9%	15.1%						100.0%							99.2%	0.8%						82.7%	17.3%						82.7%	17.3%						84.3%	15.7%
2019							100.0%							100.0%						100.0%							40.0%	60.0%							100.0%							100.0%							100.0%
2020							100.0%							100.0%						100.0%							40.0%	60.0%							100.0%							100.0%							100.0%
2021							100.0%							100.0%						16.7%	83.3%						6.7%	93.3%							100.0%							100.0%							100.0%
2022							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2023							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2024							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2025							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2026							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2027							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2028							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2029							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2030							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2031							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2032							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2033							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2034							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2035							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2036							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2037							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2038							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2039							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2040							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2041							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2042							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2043							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2044							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2045							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2046							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2047							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2048							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2049							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2050							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2051							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2052							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2053							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2054							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2055							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2056							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2057							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2058							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2059							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2060							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%

Note
1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Technology Group Fractions

FirstRegYear	HGV8							HGV9						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%							100.0%						
1972	100.0%							100.0%						
1973	100.0%							100.0%						
1974	100.0%							100.0%						
1975	100.0%							100.0%						
1976	100.0%							100.0%						
1977	100.0%							100.0%						
1978	100.0%							100.0%						
1979	100.0%							100.0%						
1980	100.0%							100.0%						
1981	100.0%							100.0%						
1982	100.0%							100.0%						
1983	100.0%							100.0%						
1984	100.0%							100.0%						
1985	100.0%							100.0%						
1986	100.0%							100.0%						
1987	100.0%							100.0%						
1988	100.0%							100.0%						
1989	100.0%							100.0%						
1990	100.0%							100.0%						
1991	100.0%							100.0%						
1992	100.0%							100.0%						
1993	100.0%							100.0%						
1994	100.0%							100.0%						
1995		100.0%							100.0%					
1996		100.0%							100.0%					
1997			100.0%							100.0%				
1998			100.0%							100.0%				
1999			100.0%							100.0%				
2000			100.0%							100.0%				
2001			3.1%	96.9%						3.1%	96.9%			
2002				100.0%							100.0%			
2003				100.0%							100.0%			
2004				100.0%							100.0%			
2005				100.0%							100.0%			
2006				62.7%	37.3%						62.7%	37.3%		
2007					100.0%							100.0%		
2008					100.0%							100.0%		
2009					100.0%							100.0%		
2010					100.0%							100.0%		
2011					100.0%							100.0%		
2012					42.2%	57.8%						42.2%	57.8%	
2013						100.0%							100.0%	
2014						100.0%							100.0%	
2015						100.0%							100.0%	
2016						100.0%							100.0%	
2017						100.0%							100.0%	
2018						88.9%	11.1%						88.9%	11.1%
2019							100.0%							100.0%
2020							100.0%							100.0%
2021							100.0%							100.0%
2022							100.0%							100.0%
2023							100.0%							100.0%
2024							100.0%							100.0%
2025							100.0%							100.0%
2026							100.0%							100.0%
2027							100.0%							100.0%
2028							100.0%							100.0%
2029							100.0%							100.0%
2030							100.0%							100.0%
2031							100.0%							100.0%
2032							100.0%							100.0%
2033							100.0%							100.0%
2034							100.0%							100.0%
2035							100.0%							100.0%
2036							100.0%							100.0%
2037							100.0%							100.0%
2038							100.0%							100.0%
2039							100.0%							100.0%
2040							100.0%							100.0%
2041							100.0%							100.0%
2042							100.0%							100.0%
2043							100.0%							100.0%
2044							100.0%							100.0%
2045							100.0%							100.0%
2046							100.0%							100.0%
2047							100.0%							100.0%
2048							100.0%							100.0%
2049							100.0%							100.0%
2050							100.0%							100.0%
2051							100.0%							100.0%
2052							100.0%							100.0%
2053							100.0%							100.0%
2054							100.0%							100.0%
2055							100.0%							100.0%
2056							100.0%							100.0%
2057							100.0%							100.0%
2058							100.0%							100.0%
2059							100.0%							100.0%
2060							100.0%							100.0%

FirstRegYear	PLB-P							PV4-P							PV5-P						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971																					
1972																					
1973																					
1974																					
1975																					
1976																					
1977																					
1978																					
1979																					
1980																					
1981																					
1982																					
1983																					
1984																					
1985																					
1986																					
1987																					
1988																					
1989																					
1990																					
1991																					
1992																					
1993																					
1994																					
1995																					
1996																					
1997																100.0%					
1998																100.0%					
1999																					
2000										100.0%											
2001										8.3%											
2002											10.0%										
2003											75.0%										
2004											75.0%										
2005											87.0%										
2006											57.1%								2.7%		
2007												86.7%									
2008												62.5%							0.4%		
2009												98.8%									
2010												13.3%									
2011																					
2012												42.1%	53.3%								
2013													80.0%								
2014																					
2015																					
2016													53.1%								
2017													56.4%								
2018																				0.5%	
2019																				0.5%	
2020																				0.5%	
2021																				0.1%	41.7%
2022																					50.0%
2023																					50.0%
2024																					50.0%
2025																					50.0%
2026																					50.0%
2027																					50.0%
2028																					50.0%
2029																					50.0%
2030																					50.0%
2031																					50.0%
2032																					50.0%
2033																					50.0%
2034																					50.0%
2035																					50.0%
2036																					50.0%
2037																					50.0%
2038																					50.0%
2039																					50.0%
2040																					50.0%
2041																					50.0%
2042																					50.0%
2043																					50.0%
2044																					50.0%
2045																					50.0%
2046																					50.0%
2047																					50.0%
2048																					50.0%
2049																					50.0%
2050																					50.0%
2051																					50.0%
2052																					50.0%
2053																					50.0%
2054																					50.0%
2055																					50.0%
2056																					50.0%
2057																					50.0%
2058																					50.0%
2059																					50.0%
2060																					50.0%

FirstRegYear	PLB-D							PV4-D						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%							100.0%						
1972	100.0%							100.0%						
1973	100.0%							100.0%						
1974	100.0%							100.0%						
1975	100.0%							100.0%						
1976	100.0%							100.0%						
1977	100.0%							100.0%						
1978	100.0%							100.0%						
1979	100.0%							100.0%						
1980	100.0%							100.0%						
1981	100.0%							100.0%						
1982	100.0%							100.0%						
1983	100.0%							100.0%						
1984	100.0%							100.0%						
1985	100.0%							100.0%						
1986	100.0%							100.0%						
1987	100.0%							100.0%						
1988	100.0%							100.0%						
1989	100.0%							100.0%						
1990	100.0%							100.0%						
1991	100.0%							100.0%						
1992	100.0%							100.0%						
1993	100.0%							100.0%						
1994	100.0%							100.0%						
1995		100.0%							100.0%					
1996		100.0%							100.0%					
1997		100.0%							100.0%					
1998		7.7%	92.3%						75.0%	25.0%				
1999			100.0%							100.0%				
2000			100.0%											
2001			14.3%							91.7%				
2002			1.8%								90.0%			
2003			2.8%	18.3%							25.0%			
2004				17.0%							25.0%			
2005				5.6%							13.0%			
2006				11.4%	4.3%						42.9%			
2007					53.8%							13.3%		
2008					31.2%							37.5%		
2009					15.3%							1.2%		
2010					23.3%							86.7%		
2011					12.5%							100.0%		
2012					8.9%	15.6%						4.7%		
2013						35.6%							20.0%	
2014						42.2%							100.0%	
2015						44.0%							100.0%	
2016						52.8%							46.9%	
2017						24.4%							43.6%	
2018						32.3%								100.0%
2019						32.3%								100.0%
2020						32.3%								100.0%
2021						5.4%	83.3%							100.0%
2022							100.0%							100.0%
2023							100.0%							100.0%
2024							100.0%							100.0%
2025							100.0%							100.0%
2026							100.0%							100.0%
2027							100.0%							100.0%
2028							100.0%							100.0%
2029							100.0%							100.0%
2030							100.0%							100.0%
2031							100.0%							100.0%
2032							100.0%							100.0%
2033							100.0%							100.0%
2034							100.0%							100.0%
2035							100.0%							100.0%
2036							100.0%							100.0%
2037							100.0%							100.0%
2038							100.0%							100.0%
2039							100.0%							100.0%
2040							100.0%							100.0%
2041							100.0%							100.0%
2042							100.0%							100.0%
2043							100.0%							100.0%
2044							100.0%							100.0%
2045							100.0%							100.0%
2046							100.0%							100.0%
2047							100.0%							100.0%
2048							100.0%							100.0%
2049							100.0%							100.0%
2050							100.0%							100.0%
2051							100.0%							100.0%
2052							100.0%							100.0%
2053							100.0%							100.0%
2054							100.0%							100.0%
2055							100.0%							100.0%
2056							100.0%							100.0%
2057							100.0%							100.0%
2058							100.0%							100.0%
2059							100.0%							100.0%
2060							100.0%							100.0%

Note
1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Technology Group Fractions

FirstRegYear	PV5-D							PLB-L							PV4-L							PV5-L							PC-P							PC-D							LGV3-P							LGV3-D						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%																												99.0%							1.0%														100.0%						
1972	100.0%																												100.0%																						100.0%						
1973	100.0%																												100.0%																						100.0%						
1974	100.0%																												99.5%							0.5%														100.0%						
1975	100.0%																												100.0%																						100.0%						
1976	100.0%																												90.5%							9.5%														100.0%						
1977	100.0%																												92.6%							7.4%														100.0%						
1978	100.0%																												93.3%							6.7%														100.0%						
1979	100.0%																												91.9%							8.1%														100.0%						
1980	100.0%																												98.2%							1.8%														100.0%						
1981	100.0%																												91.1%							8.9%														100.0%						
1982	100.0%																												93.9%							6.1%														100.0%						
1983	100.0%																												81.0%							19.0%														100.0%						
1984	100.0%																												71.9%							28.1%														100.0%						
1985	100.0%																												92.6%							7.4%							100.0%													
1986	100.0%																												82.5%							17.5%							100.0%													
1987	100.0%																												77.5%							22.5%							100.0%													
1988	100.0%																												78.8%							21.3%							100.0%													
1989	100.0%																												75.2%							24.8%							100.0%													
1990	100.0%																												73.3%							26.7%							100.0%													
1991	100.0%																												75.6%							24.4%							100.0%													
1992	100.0%																												84.4%							15.6%							100.0%													
1993	100.0%																												83.2%							16.8%							100.0%													
1994	100.0%																												87.8%							12.2%							100.0%													
1995		100.0%																											28.8%	55.2%						3.2%	12.9%						20.0%	80.0%												
1996		100.0%																												88.9%							11.1%							100.0%												
1997																														14.6%	78.7%						6.7%							100.0%												
1998																														2.8%	97.2%																				100.0%					
1999			100.0%																												100.0%														100.0%											
2000			100.0%																												100.0%														100.0%											
2001			66.7%								85.7%														33.3%							100.0%													100.0%											
2002			50.0%								98.2%														50.0%							100.0%					0.0%									100.0%										
2003			4.0%	40.0%							78.9%														56.0%							100.0%					0.0%									100.0%										
2004				34.1%							83.0%														65.9%							100.0%					0.0%																100.0%			
2005				42.5%							94.4%														57.5%							100.0%					0.0%									100.0%										
2006				32.4%	5.4%						58.6%	25.7%													48.6%	10.8%							100.0%													100.0%										
2007					42.2%							46.2%														57.8%							100.0%																						100.0%		
2008					55.9%							68.8%														43.8%							100.0%																						100.0%		
2009					41.5%							84.7%														58.5%							99.7%							0.3%														100.0%		
2010					43.1%							76.7%														56.9%							99.6%							0.4%														100.0%		
2011					73.1%							87.5%														26.9%							99.7%							0.3%														100.0%		
2012					26.0%	48.4%						26.7%	48.9%													6.9%	18.7%						37.8%	62.1%						0.0%	0.1%						3.0%								95.5%	1.5%	
2013						81.9%							64.4%														18.1%							99.2%							0.8%															100.0%	
2014						77.1%							57.8%														22.9%							96.6%							3.4%								3.8%								96.2%	
2015						76.4%							56.0%														23.6%							96.6%							3.4%								1.1%								98.9%	
2016						62.2%							47.2%														37.8%							94.9%							5.1%															100.0%	
2017						68.6%							75.6%														31.4%							43.0%	46.0%						11.0%								2.1%								97.9%	
2018						67.8%							67.7%														31.7%								99.4%						0.6%									2.9%							97.1%
2019						67.8%							67.7%														31.7%								99.4%							0.6%							2.9%							97.1%
2020						67.8%							67.7%														31.7%								99.4%							0.6%							2.9%							97.1%
2021						11.3%	41.7%						11.3%														5.3%								99.4%							0.6%							2.9%							97.1%
2022							50.0%																												99.4%							0.6%							2.9%							97.1%
2023							50.0%																												99.4%							0.6%							2.9%							97.1%
2024							50.0%																												99.4%							0.6%							2.9%							97.1%
2025							50.0%																												99.4%							0.6%							2.9%							97.1%
2026							50.0%																												99.4%							0.6%							2.9%							97.1%
2027							50.0%																												99.4%							0.6%							2.9%							97.1%
2028							50.0%																												99.4%							0.6%							2.9%							97.1%
2029							50.0%																												99.4%							0.6%							2.9%							97.1%
2030							50.0%																												99.4%							0.6%							2.9%							97.1%
2031							50.0%																												99.4%							0.6%							2.9%							97.1%
2032							50.0%																												99.4%							0.6%							2.9%							97.1%
2033							50.0%																												99.4%							0.6%							2.9%							97.1%
2034							50.0%																												99.4%							0.6%							2.9%							97.1%
2035							50.0%																												99.4%							0.6%							2.9%							97.1%
2036							50.0%																												99.4%							0.6%							2.9%							97.1%
2037							50.0%																												99.4%							0.6%							2.9%							97.1%
2038							50.0%																												99.4%							0.6%							2.9%							97.1%
2039							50.0%																												99.4%							0.6%							2.9%							97.1%
2040							50.0%																												99.4%							0.6%							2.9%							97.1%
2041							50.0%																												99.4%							0.6%							2.9%							97.1%
2042							50.0%																												99.4%							0.6%							2.9%							97.1%
2043							50.0%																												99.4%							0.6%							2.9%							97.1%
2044							50.0%																												99.4%							0.6%							2.9%							97.1%
2045							50.0%																												99.4%							0.6%							2.9%							97.1%
2046							50.0%																												99.4%							0.6%							2.9%							97.1%
2047							50.0%																												99.4%							0.6%							2.9%							97.1%
2048							50.0%																												99.4%							0.6%							2.9%							97.1%
2049							50.0%																												99.4%							0.6%							2.9%							97.1%
2050							50.0%																												99.4%							0.6%							2.9%							97.1%
2051							50.0%																												99.4%							0.6%							2.9%							97.1%
2052							50.0%																												99.4%							0.6%							2.9%							97.1%
2053							50.0%																												99.4%							0.6%							2.9%							97.1%
2054							50.0%																												99.4%							0.6%							2.9%							97.1%
2055							50.0%																												99.4%							0.6%							2.9%							97.1%
2056							50.0%																												99.4%							0.6%							2.9%							97.1%
2057							50.0%																												99.4%							0.6%							2.9%							97.1%
2058							50.0%																												99.4%							0.6%							2.9%							97.1%
2059							50.0%																												99.4%							0.6%							2.9%							97.1%
2060							50.0%																												99.4%							0.6%							2.9%							97.1%

Note

1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Technology Group Fractions

LGV4-P

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971							
1972							
1973							
1974							
1975							
1976							
1977							
1978							
1979							
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990	100.0%						
1991	100.0%						
1992	0.2%						
1993	100.0%						
1994	100.0%						
1995	66.7%						
1996		100.0%					
1997		100.0%					
1998		100.0%					
1999			100.0%				
2000			100.0%				
2001			100.0%				
2002				2.6%			
2003				2.7%			
2004				3.5%			
2005				2.6%			
2006				2.2%			
2007					6.1%		
2008					1.6%		
2009					12.9%		
2010					2.4%		
2011					4.4%		
2012					1.0%	3.2%	
2013						1.3%	
2014						1.9%	
2015						0.9%	
2016						2.1%	
2017						3.6%	
2018							1.9%
2019							1.9%
2020							1.9%
2021							1.9%
2022							1.9%
2023							1.9%
2024							1.9%
2025							1.9%
2026							1.9%
2027							1.9%
2028							1.9%
2029							1.9%
2030							1.9%
2031							1.9%
2032							1.9%
2033							1.9%
2034							1.9%
2035							1.9%
2036							1.9%
2037							1.9%
2038							1.9%
2039							1.9%
2040							1.9%
2041							1.9%
2042							1.9%
2043							1.9%
2044							1.9%
2045							1.9%
2046							1.9%
2047							1.9%
2048							1.9%
2049							1.9%
2050							1.9%
2051							1.9%
2052							1.9%
2053							1.9%
2054							1.9%
2055							1.9%
2056							1.9%
2057							1.9%
2058							1.9%
2059							1.9%
2060							1.9%

LGV4-D

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%						
1972	100.0%						
1973	100.0%						
1974	100.0%						
1975	100.0%						
1976	100.0%						
1977	100.0%						
1978	100.0%						
1979	100.0%						
1980	100.0%						
1981	100.0%						
1982	100.0%						
1983	100.0%						
1984	100.0%						
1985	100.0%						
1986	100.0%						
1987	100.0%						
1988	100.0%						
1989	100.0%						
1990							
1991							
1992	99.8%						
1993							
1994							
1995		33.3%					
1996							
1997							
1998							
1999							
2000							
2001							
2002				97.4%			
2003				97.3%			
2004				96.5%			
2005				97.4%			
2006				97.8%			
2007					93.9%		
2008					98.4%		
2009					87.1%		
2010					97.6%		
2011					95.6%		
2012					95.4%	0.3%	
2013						98.7%	
2014						98.1%	
2015						99.1%	
2016						97.9%	
2017						96.4%	
2018							98.1%
2019							98.1%
2020							98.1%
2021							98.1%
2022							98.1%
2023							98.1%
2024							98.1%
2025							98.1%
2026							98.1%
2027							98.1%
2028							98.1%
2029							98.1%
2030							98.1%
2031							98.1%
2032							98.1%
2033							98.1%
2034							98.1%
2035							98.1%
2036							98.1%
2037							98.1%
2038							98.1%
2039							98.1%
2040							98.1%
2041							98.1%
2042							98.1%
2043							98.1%
2044							98.1%
2045							98.1%
2046							98.1%
2047							98.1%
2048							98.1%
2049							98.1%
2050							98.1%
2051							98.1%
2052							98.1%
2053							98.1%
2054							98.1%
2055							98.1%
2056							98.1%
2057							98.1%
2058							98.1%
2059							98.1%
2060							98.1%

LGV6

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%						
1972	100.0%						
1973	100.0%						
1974	100.0%						
1975	100.0%						
1976	100.0%						
1977	100.0%						
1978	100.0%						
1979	100.0%						
1980	100.0%						
1981	100.0%						
1982	100.0%						
1983	100.0%						
1984	100.0%						
1985	100.0%						
1986	100.0%						
1987	100.0%						
1988	100.0%						
1989	100.0%						
1990	100.0%						
1991	100.0%						
1992	100.0%						
1993	100.0%						
1994	100.0%						
1995		100.0%					
1996		100.0%					
1997		1.2%	98.8%				
1998			100.0%				
1999			100.0%				
2000			100.0%				
2001			1.6%	98.4%			
2002				100.0%			
2003				100.0%			
2004				100.0%			
2005				100.0%			
2006				68.3%	31.7%		
2007					100.0%		
2008					100.0%		
2009					100.0%		
2010					100.0%		
2011					100.0%		
2012					37.9%	62.1%	
2013						100.0%	
2014						100.0%	
2015						100.0%	
2016						100.0%	
2017						100.0%	
2018						85.5%	14.5%
2019							100.0%
2020							100.0%
2021							100.0%
2022							100.0%
2023							100.0%
2024							100.0%
2025							100.0%
2026							100.0%
2027							100.0%
2028							100.0%
2029							100.0%
2030							100.0%
2031							100.0%
2032							100.0%
2033							100.0%
2034							100.0%
2035							100.0%
2036							100.0%
2037							100.0%
2038							100.0%
2039							100.0%
2040							100.0%
2041							100.0%
2042							100.0%
2043							100.0%
2044							100.0%
2045							100.0%
2046							100.0%
2047							100.0%
2048							100.0%
2049							100.0%
2050							100.0%
2051							100.0%
2052							100.0%
2053							100.0%
2054							100.0%
2055							100.0%
2056							100.0%
2057							100.0%
2058							100.0%
2059							100.0%
2060							100.0%

TAXI-P

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971							
1972							
1973							
1974							
1975							
1976							
1977							
1978							
1979							
1980							
1981							
1982							
1983							
1984							
1985							
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1994							
1995							
1996							
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							
2013						0.3%	
2014							
2015							
2016						0.1%	
2017							
2018							
2019							
2020							
2021							
2022							
2023							
2024							
2025							
2026							
2027							
2028							
2029							
2030							
2031							
2032							
2033							
2034							
2035							
2036							
2037							
2038							
2039							
2040							
2041							
2042							
2043							
2044							
2045							
2046							
2047							
2048							
2049							
2050							
2051							
2052							
2053							
2054							
2055							
2056							
2057							
2058							
2059							
2060							

TAXI-D

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%						
1972	100.0%						
1973	100.0%						
1974	100.0%						
1975	100.0%						
1976	100.0%						
1977	100.0%						
1978	100.0%						
1979	100.0%						
1980	100.0%						
1981	100.0%						
1982	100.0%						
1983	100.0%						
1984	100.0%						
1985	100.0%						
1986	100.0%						
1987	100.0%						
1988	100.0%						
1989	100.0%						
1990	100.0%						
1991	100.0%						
1992	100.0%						
1993	100.0%						
1994	100.0%						
1995	100.0%						
1996		100.0%					
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
2021							
2022							
2023							
2024							
2025							
2026							
2027							
2028							
2029							
2030							
2031							
2032							
2033							
2034							
2035							
2036							
2037							
2038							
2039							
2040							
2041							
2042							
2043							
2044							
2045							
2046							
2047							
2048							
2049							
2050							
2051							
2052							
2053							
2054							
2055							
2056							
2057							
2058							
2059							
2060							

TAXI-L

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971							
1972							
1973							
1974							
1975							
1976							
1977							
1978							
1979							
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992							
1993							
1994							
1995							
1996							
1997			100.0%				
1998			100.0%				
1999			100.0%				
2000			100.0%				
2001			100.0%				
2002			100.0%				
2003			100.0%				
2004			100.0%				
2005			100.0%				
2006					100.0%		
2007					100.0%		
2008					100.0%		
2009					17.2%	82.8%	
2010						100.0%	
2011						100.0%	
2012						100.0%	
2013						99.7%	
2014						100.0%	
2015						100.0%	
2016						99.9%	
2017						50.3%	49.7%
2018							100.0%
2019							100.0%
2020							100.0%
2021							100.0%
2022							100.0%
2023							100.0%
2024							100.0%
2025							100.0%
2026							100.0%
2027							100.0%
2028							100.0%
2029							100.0%
2030							100.0%
2031							100.0%
2032							100.0%
2033							100.0%
2034							100.0%
2035							100.0%
2036							100.0%
2037							100.0%
2038							100.0%
2039							100.0%
2040							100.0%
2041							100.0%
2042							100.0%
2043							100.0%
2044							100.0%
2045							100.0%
2046							100.0%
2047							100.0%
2048							100.0%
2049							100.0%
2050							100.0%
2051							100.0%
2052							100.0%
2053							100.0%
2054							100.0%
2055							100.0%
2056							100.0%
2057							100.0%
2058							100.0%
2059							100.0%
2060							100.0%

MC

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%						
1972	100.0%						
1973	100.0%						
1974	100.0%						
1975	100.0%						
1976	100.0%						
1977	100.0%						
1978	100.0%						
1979	100.0%						
1980	100.0%						
1981	100.0%						
1982	100.0%						
1983	100.0%						
1984	100.0%						
1985	100.0%						
1986	100.0%						
1987	100.0%						
1988	100.0%						
1989	100.0%						
1990	100.0%						
1991	100.0%						
1992	100.0%						
1993	100.0%						
1994	100.0%						
1995	100.0%						
1996	100.0%						
1997	100.0%						
1998	100.0%						
1999	75.5%	24.5%					
2000		100.0%					
2001		100.0%					
2002		100.0%					
2003		100.0%					
2004		100.0%					
2005		100.0%					
2006		100.0%					
2007		100.0%					
2008		100.0%					
2009				100.0%			
2010				100.0%			
2011				100.0%			
2012				100.0%			
2013				100.0%			
2014				100.0%			
2015				100.0%			
2016				100.0%			
2017				100.0%			
2018				100.0%			
2019				100.0%			
2020				75.6%	24.4%		
2021				2.5%	97.5%		
2022				2.5%	97.5%		
2023				2.5%	97.5%		
2024				2.5%	97.5%		
2025				2.5%	97.5%		
2026				2.5%	97.5%		
2027				2.5%	97.5%		
2028				2.5%	97.5%		
2029				2.5%	97.5%		
2030				2.5%	97.5%		
2031				2.5%	97.5%		
2032				2.5%	97.5%		
2033				2.5%	97.5%		
2034				2.5%	97.5%		
2035				2.5%	97.5%		
2036				2.5%	97.5%		
2037				2.5%	97.5%		
2038				2.5%	97.5%		
2039				2.5%	97.5%		
2040				2.5%	97.5%		
2041				2.5%	97.5%		
2042				2.5%	97.5%		
2043				2.5%	97.5%		
2044				2.5%	97.5%		
2045				2.5%	97.5%		
2046				2.5%	97.5%		
2047				2.5%	97.5%		
2048				2.5%	97.5%		
2049				2.5%	97.5%		
2050				2.5%	97.5%		
2051				2.5%	97.5%		
2052				2.5%	97.5%		
2053				2.5%	97.5%		
2054				2.5%	97.5%		
2055				2.5%	97.5%		
2056				2.5%	97.5%		
2057				2.5%	97.5%		
2058				2.5%	97.5%		
2059				2.5%	97.5%		
2060				2.5%	97.5%		

Note
1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Calculations of Composite Idling Emission Factors - Diesel Vehicles

Estimated Engine Type Distribution

Assessment Year : 2033

FirstRegYear	Age	Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution							
		FBSD								FBDD								NFB6								NFB7								NFB8							
		Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
2033	1	10.18%	-	-	-	-	-	-	10.18%	14.08%	-	-	-	-	-	-	14.08%	6.85%	-	-	-	-	-	-	6.85%	7.33%	-	-	-	-	-	-	7.33%	7.19%	-	-	-	-	-	-	7.19%
2032	2	0.00%	-	-	-	-	-	-	0.00%	7.56%	-	-	-	-	-	-	7.56%	6.29%	-	-	-	-	-	-	6.29%	7.26%	-	-	-	-	-	-	7.26%	7.30%	-	-	-	-	-	-	7.30%
2031	3	9.09%	-	-	-	-	-	-	9.09%	7.53%	-	-	-	-	-	-	7.53%	6.71%	-	-	-	-	-	-	6.71%	7.19%	-	-	-	-	-	-	7.19%	8.21%	-	-	-	-	-	-	8.21%
2030	4	19.64%	-	-	-	-	-	-	19.64%	3.78%	-	-	-	-	-	-	3.78%	7.34%	-	-	-	-	-	-	7.34%	7.51%	-	-	-	-	-	-	7.51%	9.13%	-	-	-	-	-	-	9.13%
2029	5	17.82%	-	-	-	-	-	-	17.82%	4.81%	-	-	-	-	-	-	4.81%	7.91%	-	-	-	-	-	-	7.91%	8.23%	-	-	-	-	-	-	8.23%	9.99%	-	-	-	-	-	-	9.99%
2028	6	13.09%	-	-	-	-	-	-	13.09%	3.03%	-	-	-	-	-	-	3.03%	7.89%	-	-	-	-	-	-	7.89%	7.13%	-	-	-	-	-	-	7.13%	8.70%	-	-	-	-	-	-	8.70%
2027	7	16.73%	-	-	-	-	-	-	16.73%	0.80%	-	-	-	-	-	-	0.80%	8.60%	-	-	-	-	-	-	8.60%	7.70%	-	-	-	-	-	-	7.70%	8.92%	-	-	-	-	-	-	8.92%
2026	8	3.64%	-	-	-	-	-	-	3.64%	0.77%	-	-	-	-	-	-	0.77%	9.00%	-	-	-	-	-	-	9.00%	8.44%	-	-	-	-	-	-	8.44%	8.99%	-	-	-	-	-	-	8.99%
2025	9	2.91%	-	-	-	-	-	-	2.91%	1.10%	-	-	-	-	-	-	1.10%	8.83%	-	-	-	-	-	-	8.83%	8.37%	-	-	-	-	-	-	8.37%	8.45%	-	-	-	-	-	-	8.45%
2024	10	3.27%	-	-	-	-	-	-	3.27%	1.88%	-	-	-	-	-	-	1.88%	8.86%	-	-	-	-	-	-	8.86%	8.73%	-	-	-	-	-	-	8.73%	7.73%	-	-	-	-	-	-	7.73%
2023	11	1.82%	-	-	-	-	-	-	1.82%	0.84%	-	-	-	-	-	-	0.84%	8.55%	-	-	-	-	-	-	8.55%	9.10%	-	-	-	-	-	-	9.10%	6.72%	-	-	-	-	-	-	6.72%
2022	12	0.00%	-	-	-	-	-	-	0.00%	3.01%	-	-	-	-	-	-	3.01%	7.64%	-	-	-	-	-	-	7.64%	7.99%	-	-	-	-	-	-	7.99%	5.39%	-	-	-	-	-	-	5.39%
2021	13	0.00%	-	-	-	-	-	-	0.00%	3.25%	-	-	-	-	-	-	3.25%	3.15%	-	-	-	-	-	0.52%	2.62%	3.35%	-	-	-	-	-	0.22%	3.12%	2.23%	-	-	-	-	-	-	2.23%
2020	14	0.00%	-	-	-	-	-	-	0.00%	5.51%	-	-	-	-	-	-	5.51%	1.30%	-	-	-	-	-	1.30%	-	0.73%	-	-	-	-	-	0.29%	0.44%	0.40%	-	-	-	-	-	-	0.40%
2019	15	0.00%	-	-	-	-	-	-	0.00%	5.05%	-	-	-	-	-	-	5.05%	1.00%	-	-	-	-	-	1.00%	-	0.49%	-	-	-	-	-	0.20%	0.29%	0.30%	-	-	-	-	-	-	0.30%
2018	16	0.00%	-	-	-	-	-	0.00%	0.00%	11.09%	-	-	-	-	-	-	11.09%	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%
2017	17	1.82%	-	-	-	-	-	-	1.82%	11.60%	-	-	-	-	-	11.59%	0.02%	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2016	18	0.00%	-	-	-	-	-	0.00%	-	14.29%	-	-	-	-	-	14.29%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2015	19	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2014	20	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2013	21	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.06%	-	-	-	-	-	0.06%	-	0.27%	-	-	-	-	-	0.27%	-	0.25%	-	-	-	-	-	0.25%	-
2012	22	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.03%	-	-	-	-	0.01%	0.02%	-	0.18%	-	-	-	-	0.05%	0.13%	-	0.11%	-	-	-	-	0.04%	0.07%	-
2011	23	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2010	24	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2009	25	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2008	26	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2007	27	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2006	28	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	0.00%	0.00%	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	0.00%	0.00%	-	-
2005	29	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	0.00%	-	-	-
2004	30	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	0.00%	-	-	-
2003	31	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	0.00%	-	-	-
2002	32	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
2001	33	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
2000	34	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-
1999	35	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-
1998	36	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-
1997	37	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	0.00%	0.00%	-	-	-	-	0.00%	-	0.00%	0.00%	-	-	-	-	0.00%	-	0.00%	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-
1996	38	0.00%	-	0.00%	0.00%	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-
1995	39	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-
1994	40	0.00%	-	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1993	41	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1992	42	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1991	43	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1990	44	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1989	45	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
	Total	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**35.29%**	**64.71%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.01%**	**2.90%**	**97.09%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.05%**	**1.11%**	**98.84%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.04%**	**0.31%**	**99.64%**

Calculations of Composite Idling Emission Factors - Diesel Vehicles

Estimated Engine Type Distribution

Assessment Year : 2033

FirstRegYear	Age	Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution							
		NFB9								HGV7								HGV8								HGV9							
		Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
2033	1	6.96%	-	-	-	-	-	-	6.96%	8.80%	-	-	-	-	-	-	8.80%	7.76%	-	-	-	-	-	-	7.76%	8.08%	-	-	-	-	-	-	8.08%
2032	2	4.76%	-	-	-	-	-	-	4.76%	9.57%	-	-	-	-	-	-	9.57%	8.36%	-	-	-	-	-	-	8.36%	9.55%	-	-	-	-	-	-	9.55%
2031	3	3.00%	-	-	-	-	-	-	3.00%	9.10%	-	-	-	-	-	-	9.10%	8.71%	-	-	-	-	-	-	8.71%	10.84%	-	-	-	-	-	-	10.84%
2030	4	1.77%	-	-	-	-	-	-	1.77%	12.41%	-	-	-	-	-	-	12.41%	10.87%	-	-	-	-	-	-	10.87%	13.19%	-	-	-	-	-	-	13.19%
2029	5	1.00%	-	-	-	-	-	-	1.00%	10.91%	-	-	-	-	-	-	10.91%	10.77%	-	-	-	-	-	-	10.77%	10.99%	-	-	-	-	-	-	10.99%
2028	6	1.05%	-	-	-	-	-	-	1.05%	3.69%	-	-	-	-	-	-	3.69%	4.55%	-	-	-	-	-	-	4.55%	5.34%	-	-	-	-	-	-	5.34%
2027	7	8.84%	-	-	-	-	-	-	8.84%	3.71%	-	-	-	-	-	-	3.71%	4.52%	-	-	-	-	-	-	4.52%	5.49%	-	-	-	-	-	-	5.49%
2026	8	15.92%	-	-	-	-	-	-	15.92%	4.10%	-	-	-	-	-	-	4.10%	4.90%	-	-	-	-	-	-	4.90%	5.79%	-	-	-	-	-	-	5.79%
2025	9	15.26%	-	-	-	-	-	-	15.26%	4.40%	-	-	-	-	-	-	4.40%	5.08%	-	-	-	-	-	-	5.08%	5.74%	-	-	-	-	-	-	5.74%
2024	10	14.23%	-	-	-	-	-	-	14.23%	5.06%	-	-	-	-	-	-	5.06%	5.63%	-	-	-	-	-	-	5.63%	5.49%	-	-	-	-	-	-	5.49%
2023	11	12.67%	-	-	-	-	-	-	12.67%	6.41%	-	-	-	-	-	-	6.41%	7.02%	-	-	-	-	-	-	7.02%	5.33%	-	-	-	-	-	-	5.33%
2022	12	10.54%	-	-	-	-	-	-	10.54%	7.13%	-	-	-	-	-	-	7.13%	7.85%	-	-	-	-	-	-	7.85%	5.02%	-	-	-	-	-	-	5.02%
2021	13	4.01%	-	-	-	-	-	-	4.01%	4.79%	-	-	-	-	-	-	4.79%	5.04%	-	-	-	-	-	-	5.04%	3.04%	-	-	-	-	-	-	3.04%
2020	14	0.00%	-	-	-	-	-	-	0.00%	4.24%	-	-	-	-	-	-	4.24%	3.99%	-	-	-	-	-	-	3.99%	1.82%	-	-	-	-	-	-	1.82%
2019	15	0.00%	-	-	-	-	-	-	0.00%	3.27%	-	-	-	-	-	-	3.27%	3.08%	-	-	-	-	-	-	3.08%	1.54%	-	-	-	-	-	-	1.54%
2018	16	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%
2017	17	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2016	18	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2015	19	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2014	20	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2013	21	0.00%	-	-	-	-	-	0.00%	-	1.67%	-	-	-	-	-	1.67%	-	1.45%	-	-	-	-	-	1.45%	-	1.87%	-	-	-	-	-	1.87%	-
2012	22	0.00%	-	-	-	-	0.00%	0.00%	-	0.73%	-	-	-	-	0.29%	0.44%	-	0.43%	-	-	-	-	0.18%	0.25%	-	0.86%	-	-	-	-	0.36%	0.50%	-
2011	23	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2010	24	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2009	25	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2008	26	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2007	27	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2006	28	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-
2005	29	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
2004	30	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
2003	31	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
2002	32	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
2001	33	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-
2000	34	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-
1999	35	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-
1998	36	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-
1997	37	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-
1996	38	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-
1995	39	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-
1994	40	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1993	41	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1992	42	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1991	43	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1990	44	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
1989	45	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-
	Total	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.29%**	**2.11%**	**97.60%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.18%**	**1.70%**	**98.12%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.36%**	**2.37%**	**97.26%**

Warm Idling

Summary of Engine Type Distribution (Year 2033)

Euro Standard	Estimated engine type distribution								
	FBSD	FBDD	NFB6	NFB7	NFB8	NFB9	HGV7	HGV8	HGV9
pre-Euro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro II	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro III	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro IV	0.00%	0.00%	0.01%	0.05%	0.04%	0.00%	0.29%	0.18%	0.36%
Euro V	0.00%	35.29%	2.90%	1.11%	0.31%	0.00%	2.11%	1.70%	2.37%
Euro VI	100.00%	64.71%	97.09%	98.84%	99.64%	100.00%	97.60%	98.12%	97.26%
Total	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***

Basic Idling Emission Factors

Euro Standard	Truck/bus		Light Duty	
	NOx (g/h)	PM (g/h)	NOx (g/h)	PM (g/h)
pre-Euro	40.56	6.62	6.52	1.59
Euro I	32.6	5.53	5.88	0.63
Euro II	40.58	1.43	5.53	0.54
Euro III	42.08	1.29	4.12	0.1
Euro IV	7.51	0.2	3.62	0.16
Euro V	11.71	0.1	3.6	0.02
Euro VI	1.75	0.01	1.28	0.02

Source : Road tunnels: Vehicle emission and air demand for ventilation, PIARC, 2019

Mass Factors

Pollutant	Mass Factor		
	15t	23t	32t
NOx	0.9	1	1.2
PM	0.9	1	1.2

Source : Road tunnels: Vehicle emission and air demand for ventilation, PIARC, 2019

Composite Idling Emission Factors

Euro Standard	Composite Idling Emission Factors (g/h)																	
	FBSD		FBDD		NFB6		NFB7		NFB8		NFB9		HGV7		HGV8		HGV9	
	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM
pre-Euro	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Euro I	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Euro II	0.00E+00	0.00E+00	7.14E-09	2.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	1.22E-06	0.00E+00	0.00E+00
Euro III	2.60E-10	7.97E-12	6.82E-10	2.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Euro IV	1.88E-10	5.02E-12	1.81E-11	4.83E-13	7.43E-04	1.98E-05	3.76E-03	1.00E-04	3.32E-03	8.85E-05	0.00E+00	0.00E+00	2.19E-02	5.84E-04	1.35E-02	3.59E-04	2.74E-02	7.30E-04
Euro V	1.19E-04	1.02E-06	4.13E+00	3.53E-02	3.39E-01	2.90E-03	1.30E-01	1.11E-03	3.68E-02	3.14E-04	0.00E+00	0.00E+00	2.47E-01	2.11E-03	1.99E-01	1.70E-03	2.78E-01	2.37E-03
Euro VI	1.75E+00	1.00E-02	1.13E+00	6.47E-03	1.70E+00	9.71E-03	1.73E+00	9.88E-03	1.74E+00	9.96E-03	1.75E+00	1.00E-02	1.71E+00	9.76E-03	1.72E+00	9.81E-03	1.70E+00	9.73E-03
Composite Emission Factors(g/h)	*1.75E+00*	*1.00E-02*	*6.32E+00*	*5.01E-02*	*1.84E+00*	*1.14E-02*	*1.68E+00*	*9.99E-03*	*1.78E+00*	*1.04E-02*	*2.10E+00*	*1.20E-02*	*1.78E+00*	*1.12E-02*	*1.93E+00*	*1.19E-02*	*2.41E+00*	*1.54E-02*
Composite Emission Factors (g/s)	***4.86E-04***	***2.78E-06***	***1.76E-03***	***1.39E-05***	***5.10E-04***	***3.16E-06***	***4.66E-04***	***2.77E-06***	***4.96E-04***	***2.88E-06***	***5.83E-04***	***3.33E-06***	***4.94E-04***	***3.11E-06***	***5.36E-04***	***3.30E-06***	***6.69E-04***	***4.28E-06***

Mass influence factor for 32t is assumed for NFB (9) and HGV(9) for conservative assessment.
Mass influence factor for 23t is assumed for NFB (8) and HGV(8) for conservative assessment.
Mass influence factor for 15t is assumed for HGV(7), NFB(6) and NFB(7) for conservative assessment.
For conservative assessment, mass factor of 1 and 1.2 are used for FBSD (assuming >15 ton) and FBDD (assuming >23 ton) respectively.

Cold Idling for diesel vehicles with SCR

Summary of Engine Type Distribution (Year 2033)

Euro Standard	Estimated engine type distribution								
	FBSD	FBDD	NFB6	NFB7	NFB8	NFB9	HGV7	HGV8	HGV9
pre-Euro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro II	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro III	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro IV	0.00%	0.00%	0.01%	0.05%	0.04%	0.00%	0.29%	0.18%	0.36%
Euro V	0.00%	35.29%	2.90%	1.11%	0.31%	0.00%	2.11%	1.70%	2.37%
Euro VI	100.00%	64.71%	97.09%	98.84%	99.64%	100.00%	97.60%	98.12%	97.26%
Total	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***

Basic Idling Emission Factors

Euro Standard	FBSD		FBDD		NFB6		NFB7		NFB8		NFB9		HGV7		HGV8		HGV9	
	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)
pre-Euro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro III	0.0737	-	0.0737	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro IV	0.0573	-	0.1535	-	0.0573	-	0.0573	-	0.0573	-	0.0573	-	0.0144	-	0.0144	-	0.0144	-
Euro V	0.0474	-	0.1535	-	0.0474	-	0.0474	-	0.0474	-	0.0474	-	0.0059	-	0.023	-	0.023	-
Euro VI	0.0077	-	0.0225	-	0.0010	-	0.0077	-	0.0077	-	0.0077	-	0.0059	-	0.0037	-	0.0037	-

Source : EPD Technical Note on "Calculation of Start Emissions in Air Quality Impact Assessment" (https://www.epd.gov.hk/epd/sites/default/files/epd/Technical_Note_on_Calculation_of_Start_Emissions_in_Air_Quality_Impact_Assessment.pdf.)
For Euro III of FBSD, no emission factor has been provided, emission factor is assumed the same as FBDD for conservative assessments.
For Euro IV and V of NFB6, no emission factor has been provided, emission factor is assumed the same as NFB8/9 for conservative assessments.
For Euro V of NFB7, no emission factor has been provided, emission factor is assumed the same as NFB8/9 for conservative assessments.
For Euro IV of HGV7, no emission factor has been provided, emission factor is assumed the same as HGV8/9 for conservative assessments.

Composite Idling Emission Factors

Euro Standard	Composite Idling Emission Factors (g/s)																	
	FBSD		FBDD		NFB6		NFB7		NFB8		NFB9		HGV7		HGV8		HGV9	
	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM
pre-Euro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro III	4.56E-13	-	1.20E-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro IV	1.44E-12	-	3.70E-13	-	5.67E-06	-	2.87E-05	-	2.54E-05	-	0.00E+00	-	4.20E-05	-	2.59E-05	-	5.25E-05	-
Euro V	4.83E-07	-	5.42E-02	-	1.37E-03	-	5.27E-04	-	1.49E-04	-	0.00E+00	-	1.24E-04	-	3.91E-04	-	5.45E-04	-
Euro VI	7.70E-03	-	1.46E-02	-	9.71E-04	-	7.61E-03	-	7.67E-03	-	7.70E-03	-	5.76E-03	-	3.63E-03	-	3.60E-03	-
Composite Emission Factors(g/s)	***7.70E-03***	-	***6.87E-02***	-	***2.35E-03***	-	***8.17E-03***	-	***7.85E-03***	-	***7.70E-03***	-	***5.92E-03***	-	***4.05E-03***	-	***4.20E-03***	-

Calculations of Composite Idling Emission Factors--Light Buses

Estimated Engine Type Distribution

Assessment Year : 2033

FirstRegYear	Age	Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution							
		PLB-Diesel								PV4-Diesel								PV5-Diesel								PLB-LPG								PV4-LPG							
		Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
2033	1	9.73%	-	-	-	-	-	-	9.73%	8.61%	-	-	-	-	-	-	8.61%	8.95%	-	-	-	-	-	-	8.95%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2032	2	8.08%	-	-	-	-	-	-	8.08%	8.54%	-	-	-	-	-	-	8.54%	8.52%	-	-	-	-	-	-	8.52%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2031	3	8.18%	-	-	-	-	-	-	8.18%	8.79%	-	-	-	-	-	-	8.79%	8.32%	-	-	-	-	-	-	8.32%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2030	4	7.18%	-	-	-	-	-	-	7.18%	8.94%	-	-	-	-	-	-	8.94%	9.95%	-	-	-	-	-	-	9.95%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2029	5	6.35%	-	-	-	-	-	-	6.35%	8.66%	-	-	-	-	-	-	8.66%	9.81%	-	-	-	-	-	-	9.81%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2028	6	5.60%	-	-	-	-	-	-	5.60%	6.97%	-	-	-	-	-	-	6.97%	7.44%	-	-	-	-	-	-	7.44%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2027	7	5.63%	-	-	-	-	-	-	5.63%	6.50%	-	-	-	-	-	-	6.50%	7.69%	-	-	-	-	-	-	7.69%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2026	8	6.18%	-	-	-	-	-	-	6.18%	7.14%	-	-	-	-	-	-	7.14%	7.42%	-	-	-	-	-	-	7.42%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2025	9	7.23%	-	-	-	-	-	-	7.23%	6.49%	-	-	-	-	-	-	6.49%	6.74%	-	-	-	-	-	-	6.74%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2024	10	8.84%	-	-	-	-	-	-	8.84%	6.29%	-	-	-	-	-	-	6.29%	6.31%	-	-	-	-	-	-	6.31%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2023	11	7.99%	-	-	-	-	-	-	7.99%	6.78%	-	-	-	-	-	-	6.78%	6.11%	-	-	-	-	-	-	6.11%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2022	12	8.34%	-	-	-	-	-	-	8.34%	5.86%	-	-	-	-	-	-	5.86%	5.22%	-	-	-	-	-	-	5.22%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2021	13	6.57%	-	-	-	-	-	0.40%	6.17%	4.33%	-	-	-	-	-	-	4.33%	3.14%	-	-	-	-	-	0.67%	2.47%	5.47%	-	-	-	-	-	5.47%	-	0.00%	-	-	-	-	-	-	-
2020	14	2.18%	-	-	-	-	-	2.18%	-	3.49%	-	-	-	-	-	-	3.49%	1.32%	-	-	-	-	-	1.32%	-	29.84%	-	-	-	-	-	29.84%	-	0.00%	-	-	-	-	-	-	-
2019	15	1.87%	-	-	-	-	-	1.87%	-	2.57%	-	-	-	-	-	-	2.57%	1.12%	-	-	-	-	-	1.12%	-	25.64%	-	-	-	-	-	25.64%	-	0.00%	-	-	-	-	-	-	-
2018	16	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-	21.63%	-	-	-	-	-	21.63%	-	0.00%	-	-	-	-	-	-	-
2017	17	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	7.94%	-	-	-	-	-	7.94%	-	0.00%	-	-	-	-	-	-	-
2016	18	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	3.41%	-	-	-	-	-	3.41%	-	0.00%	-	-	-	-	-	-	-
2015	19	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	2.08%	-	-	-	-	-	2.08%	-	0.00%	-	-	-	-	-	-	-
2014	20	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.83%	-	-	-	-	-	0.83%	-	0.00%	-	-	-	-	-	-	-
2013	21	0.03%	-	-	-	-	-	0.03%	-	0.03%	-	-	-	-	-	0.03%	-	1.50%	-	-	-	-	-	1.50%	-	0.31%	-	-	-	-	-	0.31%	-	0.00%	-	-	-	-	-	-	-
2012	22	0.01%	-	-	-	-	0.00%	0.01%	-	0.00%	-	-	-	-	0.00%	-	-	0.43%	-	-	-	-	0.15%	0.28%	-	0.25%	-	-	-	-	0.09%	0.16%	-	0.00%	-	-	-	-	-	-	-
2011	23	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.25%	-	-	-	-	0.25%	-	-	0.00%	-	-	-	-	-	-	-
2010	24	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.44%	-	-	-	-	0.44%	-	-	0.00%	-	-	-	-	-	-	-
2009	25	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.19%	-	-	-	-	0.19%	-	-	0.00%	-	-	-	-	-	-	-
2008	26	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.23%	-	-	-	-	0.23%	-	-	0.00%	-	-	-	-	-	-	-
2007	27	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.07%	-	-	-	-	0.07%	-	-	0.00%	-	-	-	-	-	-	-
2006	28	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.06%	-	-	-	0.04%	0.02%	-	-	0.00%	-	-	-	-	-	-	-
2005	29	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.80%	-	-	-	0.80%	-	-	-	0.00%	-	-	-	-	-	-	-
2004	30	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.35%	-	-	-	0.35%	-	-	-	0.00%	-	-	-	-	-	-	-
2003	31	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.12%	-	-	-	0.12%	-	-	-	0.00%	-	-	-	-	-	-	-
2002	32	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.08%	-	-	-	0.08%	-	-	-	0.00%	-	-	-	-	-	-	-
2001	33	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	-	-	-	-
2000	34	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1999	35	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1998	36	0.00%	-	0.00%	0.00%	-	-	-	-	0.00%	-	0.00%	0.00%	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1997	37	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1996	38	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1995	39	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1994	40	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1993	41	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1992	42	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1991	43	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1990	44	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1989	45	0.00%	0.00%							0.00%	0.00%							0.00%	0.00%							0.00%								0.00%							
	Total	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**4.48%**	**95.52%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.03%**	**99.97%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.15%**	**4.89%**	**94.95%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**1.40%**	**1.29%**	**97.32%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**

Calculations of Composite Idling Emission Factors--Light Buses

Estimated Engine Type Distribution

Assessment Year : 2033

FirstRegYear	Age	Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution								Estimated engine type distribution							
		PV5-LPG								PLB-Petrol								PV4-Petrol								PV5-Petrol							
		Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
2033	1	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2032	2	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2031	3	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2030	4	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2029	5	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2028	6	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2027	7	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2026	8	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2025	9	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2024	10	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2023	11	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2022	12	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2021	13	2.47%	-	-	-	-	-	2.47%	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	4.76%	-	-	-	-	-	0.01%	4.75%
2020	14	8.73%	-	-	-	-	-	8.73%	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	16.80%	-	-	-	-	-	16.80%	-
2019	15	7.41%	-	-	-	-	-	7.41%	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	14.26%	-	-	-	-	-	14.26%	-
2018	16	12.06%	-	-	-	-	-	12.06%	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	23.21%	-	-	-	-	-	23.21%	-
2017	17	8.88%	-	-	-	-	-	8.88%	-	0.00%	-	-	-	-	-	-	-	10.39%	-	-	-	-	-	10.39%	-	0.00%	-	-	-	-	-	-	-
2016	18	9.54%	-	-	-	-	-	9.54%	-	0.00%	-	-	-	-	-	-	-	10.98%	-	-	-	-	-	10.98%	-	0.00%	-	-	-	-	-	-	-
2015	19	9.30%	-	-	-	-	-	9.30%	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2014	20	6.70%	-	-	-	-	-	6.70%	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2013	21	4.69%	-	-	-	-	-	4.69%	-	0.00%	-	-	-	-	-	-	-	1.23%	-	-	-	-	-	1.23%	-	0.00%	-	-	-	-	-	-	-
2012	22	3.22%	-	-	-	-	0.87%	2.35%	-	0.00%	-	-	-	-	-	-	-	28.87%	-	-	-	-	12.74%	16.14%	-	0.00%	-	-	-	-	-	-	-
2011	23	2.91%	-	-	-	-	2.91%	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2010	24	3.36%	-	-	-	-	3.36%	-	-	0.00%	-	-	-	-	-	-	-	0.50%	-	-	-	-	0.50%	-	-	0.00%	-	-	-	-	-	-	-
2009	25	3.28%	-	-	-	-	3.28%	-	-	0.00%	-	-	-	-	-	-	-	18.35%	-	-	-	-	18.35%	-	-	0.00%	-	-	-	-	-	-	-
2008	26	5.09%	-	-	-	-	5.09%	-	-	0.00%	-	-	-	-	-	-	-	9.46%	-	-	-	-	9.46%	-	-	5.35%	-	-	-	-	5.35%	-	-
2007	27	4.53%	-	-	-	-	4.53%	-	-	0.00%	-	-	-	-	-	-	-	3.26%	-	-	-	-	3.26%	-	-	0.00%	-	-	-	-	-	-	-
2006	28	2.17%	-	-	-	1.77%	0.39%	-	-	0.00%	-	-	-	-	-	-	-	1.09%	-	-	-	1.09%	-	-	-	12.34%	-	-	-	-	12.34%	-	-
2005	29	1.27%	-	-	-	1.27%	-	-	-	0.00%	-	-	-	-	-	-	-	6.09%	-	-	-	6.09%	-	-	-	0.00%	-	-	-	-	-	-	-
2004	30	1.87%	-	-	-	1.87%	-	-	-	0.00%	-	-	-	-	-	-	-	3.44%	-	-	-	3.44%	-	-	-	0.00%	-	-	-	-	-	-	-
2003	31	0.95%	-	-	-	0.95%	-	-	-	0.00%	-	-	-	-	-	-	-	5.61%	-	-	-	5.61%	-	-	-	0.00%	-	-	-	-	-	-	-
2002	32	1.46%	-	-	-	1.46%	-	-	-	0.00%	-	-	-	-	-	-	-	0.37%	-	-	-	0.37%	-	-	-	0.00%	-	-	-	-	-	-	-
2001	33	0.13%	-	-	-	0.13%	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	-	-	-	-	-
2000	34	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.35%	-	-	0.35%	-	-	-	-	0.00%	-	-	-	-	-	-	-
1999	35	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1998	36	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	15.58%	-	15.58%	-	-	-	-	-
1997	37	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	7.70%	-	7.70%	-	-	-	-	-
1996	38	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1995	39	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1994	40	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1993	41	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1992	42	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1991	43	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1990	44	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
1989	45	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
	Total	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**7.44%**	**20.43%**	**72.13%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**0.00%**	**0.00%**	**0.35%**	**16.60%**	**44.31%**	**38.74%**	**0.00%**	**100.00%**	**0.00%**	**23.29%**	**0.00%**	**0.00%**	**17.69%**	**54.27%**	**4.75%**

Warm Idling

Summary of Engine Type Distribution (Year 2033)

Euro Standard	Estimated engine type distribution								
	PLB-Diesel	PV4-Diesel	PV5-Diesel	PLB-LPG	PV4-LPG	PV5-LPG	PLB-Petrol	PV4-Petrol	PV5-Petrol
pre-Euro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	23.29%
Euro II	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.35%	0.00%
Euro III	0.00%	0.00%	0.00%	1.40%	0.00%	7.44%	0.00%	16.60%	0.00%
Euro IV	0.00%	0.00%	0.15%	1.29%	0.00%	20.43%	0.00%	44.31%	17.69%
Euro V	4.48%	0.03%	4.89%	97.32%	0.00%	72.13%	0.00%	38.74%	54.27%
Euro VI	95.52%	99.97%	94.95%	0.00%	0.00%	0.00%	0.00%	0.00%	4.75%
Total	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***0.00%***	***100.00%***	***0.00%***	***100.00%***	***100.00%***

Basic Idling Emission Factors

Euro Standard	Petrol		Diesel	
	NOx (g/h)	PM (g/h)	NOx (g/h)	PM (g/h)
pre-Euro	0.66	0.01	6.52	1.59
Euro I	1.69	0.01	5.88	0.63
Euro II	0.6	0.01	5.53	0.54
Euro III	0.34	0	4.12	0.1
Euro IV	0.17	0	3.62	0.16
Euro V	0.06	0	3.6	0.02
Euro VI	0.07	0	1.28	0.02

Source : Road tunnels: Vehicle emission and air demand for ventilation, PIARC, 2019

Composite Idling Emission Factors

Euro Standard	Composite Idling Emission Factors (g/h)																	
	PLB-Diesel		PV4-Diesel		PV5-Diesel		PLB-LPG		PV4-LPG		PV5-LPG		PLB-Petrol		PV4-Petrol		PV5-Petrol	
	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM
pre-Euro	0.000	0.000	0.000	0.000	0.000	0.000	-	0.000	-	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Euro I	0.000	0.000	0.000	0.000	0.000	0.000	-	0.000	-	0.000	-	0.000	0.000	0.000	0.000	0.000	0.394	0.002
Euro II	0.000	0.000	0.000	0.000	0.000	0.000	-	0.000	-	0.000	-	0.000	0.000	0.000	0.002	0.000	0.000	0.000
Euro III	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.007	0.000	0.000	0.056	0.000	0.000	0.000
Euro IV	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.002	0.000	0.000	0.001	0.033	0.000	0.000	0.075	0.000	0.030	0.000
Euro V	0.161	0.001	0.001	0.000	0.176	0.001	0.004	0.019	0.000	0.000	0.003	0.014	0.000	0.000	0.023	0.000	0.033	0.000
Euro VI	1.223	0.019	1.280	0.020	1.215	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
Composite Emission Factors(g/h)	*1.384*	*0.02*	*1.281*	*0.02*	*1.397*	*0.02*	*0.004*	*0.02*	*0.000*	*0.00*	*0.004*	*0.05*	*0.000*	*0.000*	*0.157*	*0.000*	*0.460*	*0.00*
Composite Emission Factors (g/s)	***3.84E-04***	***5.56E-06***	***3.56E-04***	***5.56E-06***	***3.88E-04***	***5.61E-06***	***1.10E-06***	***6.37E-06***	***0.00E+00***	***0.00E+00***	***1.19E-06***	***1.52E-05***	***0.00E+00***	***0.00E+00***	***4.36E-05***	***9.84E-09***	***1.28E-04***	***6.47E-07***

NOx cold idling emission factors for are adopted as hot idling emission factors for LPG vehicles (Ref.: EIA for Revised Trunk Road T4 in Sha Tin (Register No.: AEIAR-231/2021))
PM idling emission factors for Diesel vehicles are adopted for LPG vehicles (Ref.: EIA for Revised Trunk Road T4 in Sha Tin (Register No.: AEIAR-231/2021))

Cold Idling for diesel vehicles with SCR

Summary of Engine Type Distribution (Year 2033)

Euro Standard	Estimated engine type distribution								
	PLB-Diesel	PV4-Diesel	PV5-Diesel	PLB-LPG	PV4-LPG	PV5-LPG	PLB-Petrol	PV4-Petrol	PV5-Petrol
pre-Euro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	23.29%
Euro II	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.35%	0.00%
Euro III	0.00%	0.00%	0.00%	1.40%	0.00%	7.44%	0.00%	16.60%	0.00%
Euro IV	0.00%	0.00%	0.15%	1.29%	0.00%	20.43%	0.00%	44.31%	17.69%
Euro V	4.48%	0.03%	4.89%	97.32%	0.00%	72.13%	0.00%	38.74%	54.27%
Euro VI	95.52%	99.97%	94.95%	0.00%	0.00%	0.00%	0.00%	0.00%	4.75%
Total	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***0.00%***	***100.00%***	***0.00%***	***100.00%***	***100.00%***

Basic Idling Emission Factors

Euro Standard	PLB-Diesel		PV4-Diesel		PV5-Diesel		PLB-LPG		PV4-LPG		PV5-LPG		PLB-Petrol		PV4-Petrol		PV5-Petrol	
	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)
pre-Euro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro III	0.001	-	0.001	-	0.001	-	0.0092	-	0.0092	-	0.0092	-	-	-	-	-	-	-
Euro IV	0.001	-	0.001	-	0.001	-	0.0039	-	0.0039	-	0.0039	-	-	-	-	-	-	-
Euro V	0.001	-	0.001	-	0.001	-	0.0039	-	0.0039	-	0.0039	-	-	-	-	-	-	-
Euro VI	0.001	-	0.001	-	0.001	-	0.0039	-	0.0039	-	0.0039	-	-	-	-	-	-	-

Source : EPD Technical Note on "Calculation of Start Emissions in Air Quality Impact Assessment" (https://www.epd.gov.hk/epd/sites/default/files/epd/Technical_Note_on_Calculation_of_Start_Emissions_in_Air_Quality_Impact_Assessment.pdf.)
For Euro III, Euro IV and Euro V of PLB-Diesel, no emission factor has been provided, emission factor for warm idling is adopted. (Ref.: EIA for Revised Trunk Road T4 in Sha Tin (Register No.: AEIAR-231/2021))
For Euro III, Euro IV and Euro V of PV5-Diesel, no emission factor has been provided, emission factor for warm idling is adopted. (Ref.: EIA for Revised Trunk Road T4 in Sha Tin (Register No.: AEIAR-231/2021))
For PV4-Diesel, no emission factor has been provided, emission factor is assumed the same as PV5-Diesel for conservative assessments.
For PV4-LPG and PV5-LPG, no emission factor has been provided, emission factor is assumed the same as PLB-LPG for conservative assessments.

Composite Idling Emission Factors

Euro Standard	Composite Idling Emission Factors (g/s)																	
	PLB-Diesel		PV4-Diesel		PV5-Diesel		PLB-LPG		PV4-LPG		PV5-LPG		PLB-Petrol		PV4-Petrol		PV5-Petrol	
	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM
pre-Euro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro III	0.00E+00	-	0.00E+00	-	0.00E+00	-	1.28E-04	-	0.00E+00	-	6.85E-04	-	-	-	-	-	-	-
Euro IV	2.90E-08	-	0.00E+00	-	1.52E-06	-	5.02E-05	-	0.00E+00	-	7.97E-04	-	-	-	-	-	-	-
Euro V	4.48E-05	-	3.18E-07	-	4.89E-05	-	3.80E-03	-	0.00E+00	-	2.81E-03	-	-	-	-	-	-	-
Euro VI	9.55E-04	-	1.00E-03	-	9.50E-04	-	0.00E+00	-	0.00E+00	-	0.00E+00	-	-	-	-	-	-	-
Composite Emission Factors(g/s)	***1.00E-03***	***-***	***1.00E-03***	***-***	***1.00E-03***	***-***	***3.97E-03***	***-***	***0.00E+00***	***-***	***4.29E-03***	***-***	***0.00E+00***	***-***	***0.00E+00***	***-***	***0.00E+00***	***-***

Population of diesel vehicle (Based on Emfac 4.3)

Assessment Year : 2048

FirstRegYear	Age	Population of Diesel Vehicle																	
		01 - Private Cars (PC)	02 - Taxi	03 - Light Goods Vehicles<=2.5t	04 - Lt Goods Vehicles 2.5-3.5t	05 - Light Goods Vehicles>3.5t	06 - Medium & Heavy Goods Vehicles	07 - Medium & Heavy Goods Vehicles	08 - Public Light Buses	09 - Private Light Bus <=3.5t	10 - Private Light Bus >3.5t	11 - Non-franchised Bus<=6.4t	12 - Non-franchised Bus 6.4-15t	13 - Non-franchised Bus 15-24t	14 - Franchised Bus (SD)	15 - Franchised Bus (DD)	16 - Motorcycles (MC)	17 - Medium & Heavy Goods Vehicles	18 - Non-franchised Bus >24t
2048	1	859.78	0.00	46.19	5,065.23	1,910.05	1,192.80	2,191.11	368.85	45.97	352.70	222.03	150.42	300.22	54.00	221.01	0.00	556.78	0.21
2047	2	865.37	0.00	48.26	4,996.04	2,031.50	1,283.09	2,284.65	339.04	44.45	340.33	210.57	145.47	290.30	49.00	280.98	0.00	625.61	0.19
2046	3	872.12	0.00	46.35	5,094.74	2,061.59	1,256.93	2,357.60	333.57	44.19	333.70	199.60	140.16	290.13	36.00	176.98	0.00	695.66	0.16
2045	4	871.02	0.00	61.98	5,572.62	2,300.56	1,596.81	2,732.10	309.66	43.79	345.72	191.13	136.71	298.83	45.99	47.00	0.00	815.35	0.13
2044	5	859.16	0.00	68.65	5,739.15	2,085.85	1,481.26	2,764.59	286.00	42.67	343.32	187.21	136.45	314.70	10.00	45.00	0.00	746.12	0.10
2043	6	834.69	0.00	46.37	4,164.02	1,284.04	782.00	1,778.87	262.49	39.54	316.70	186.55	132.46	319.54	8.00	64.01	0.00	513.83	0.08
2042	7	797.25	0.00	47.52	4,069.90	1,179.24	739.89	1,690.64	252.71	37.29	309.36	191.17	132.25	327.75	9.00	109.99	0.00	501.30	0.09
2041	8	748.18	0.00	47.11	3,969.18	1,131.50	741.39	1,675.35	256.19	36.18	295.91	196.98	133.46	331.10	5.00	49.03	0.00	496.54	0.12
2040	9	690.48	0.00	45.44	3,849.60	1,097.00	744.53	1,643.09	274.94	33.50	275.36	199.63	132.17	323.18	0.00	176.00	0.00	479.54	0.15
2039	10	628.22	0.00	43.15	3,869.98	1,151.88	792.36	1,685.47	311.29	31.06	253.92	197.68	130.17	303.57	0.00	190.03	0.00	455.73	0.18
2038	11	565.79	0.00	37.88	3,915.18	1,345.37	918.80	1,883.70	311.77	29.40	232.47	186.41	125.76	270.12	0.00	322.00	0.00	436.09	0.19
2037	12	506.65	0.00	34.61	3,892.33	1,498.02	993.95	2,012.29	327.80	26.06	202.76	162.06	112.82	222.39	0.00	295.00	0.00	410.75	0.18
2036	13	452.34	0.00	26.91	2,977.55	1,226.93	771.47	1,553.14	301.44	21.71	159.00	114.40	81.99	153.22	0.00	648.00	0.00	313.00	0.13
2035	14	401.70	0.00	19.68	2,479.00	1,290.70	703.57	1,326.14	212.63	18.00	115.66	68.17	50.20	89.18	5.00	678.01	0.00	240.37	0.08
2034	15	351.95	0.00	16.81	2,013.78	1,083.66	591.06	1,104.29	173.44	13.95	87.58	33.41	26.44	44.65	0.00	835.00	0.00	206.05	0.04
2033	16	300.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	822.96	0.00	0.00	0.00
2032	17	246.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	442.00	0.00	0.00	0.00
2031	18	191.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	439.98	0.00	0.00	0.00
2030	19	140.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00
2029	20	97.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	21	63.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	22	39.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	23	23.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	24	13.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	25	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	26	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	27	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	28	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2020	29	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	30	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	31	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	32	4.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	33	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	34	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	35	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	36	0.08	0.00	0.26	18.67	1.38	2.21	3.71	0.00	0.02	6.64	0.00	0.04	0.08	0.00	0.00	0.00	1.25	0.00
2012	37	0.01	0.00	0.00	0.04	0.54	0.89	1.03	0.00	0.00	1.88	0.00	0.03	0.04	0.00	0.00	0.00	0.55	0.00
2011	38	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	39	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	40	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note
1. Only diesel vehicles are presented.
2. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Age Population Profile

FirstReg Year	Age	% by Age																
		14 - FBSD	15 - FBDD	11 - NFB6	12 - NFB7	13 - NFB8	18 - NFB9	06 - HGV7	07 - HGV8	17 - HGV9	18 - NFB9	01 - PC	03 - LGV3	04 - LGV4	05 - LGV6	08 - Public Light Buses	09 - Private Light Bus <=3.5t	10 - Private Light Bus >3.5t
2048	1	19.64%	3.78%	8.72%	8.51%	7.74%	10.41%	8.17%	7.64%	7.43%	10.41%	7.51%	7.25%	8.21%	8.42%	8.53%	9.05%	8.88%
2047	2	17.82%	4.81%	8.27%	8.23%	7.48%	9.36%	8.79%	7.96%	8.35%	9.36%	7.56%	7.57%	8.10%	8.96%	7.84%	8.75%	8.57%
2046	3	13.09%	3.03%	7.84%	7.93%	7.48%	7.99%	8.61%	8.22%	9.28%	7.99%	7.62%	7.27%	8.26%	9.09%	7.72%	8.70%	8.40%
2045	4	16.72%	0.80%	7.50%	7.74%	7.70%	6.48%	10.94%	9.52%	10.88%	6.48%	7.61%	9.73%	9.03%	10.14%	7.17%	8.62%	8.70%
2044	5	3.64%	0.77%	7.35%	7.72%	8.11%	5.00%	10.15%	9.64%	9.96%	5.00%	7.51%	10.77%	9.30%	9.20%	6.62%	8.40%	8.64%
2043	6	2.91%	1.10%	7.32%	7.50%	8.24%	3.79%	5.36%	6.20%	6.86%	3.79%	7.29%	7.28%	6.75%	5.66%	6.07%	7.79%	7.97%
2042	7	3.27%	1.88%	7.51%	7.48%	8.45%	4.37%	5.07%	5.89%	6.69%	4.37%	6.96%	7.46%	6.60%	5.20%	5.85%	7.34%	7.79%
2041	8	1.82%	0.84%	7.73%	7.55%	8.54%	6.11%	5.08%	5.84%	6.63%	6.11%	6.54%	7.39%	6.43%	4.99%	5.93%	7.13%	7.45%
2040	9	0.00%	3.01%	7.84%	7.48%	8.33%	7.50%	5.10%	5.73%	6.40%	7.50%	6.03%	7.13%	6.24%	4.84%	6.36%	6.60%	6.93%
2039	10	0.00%	3.25%	7.76%	7.37%	7.83%	8.78%	5.43%	5.88%	6.08%	8.78%	5.49%	6.77%	6.27%	5.08%	7.20%	6.12%	6.39%
2038	11	0.00%	5.51%	7.32%	7.12%	6.96%	9.36%	6.30%	6.57%	5.82%	9.36%	4.94%	5.94%	6.35%	5.93%	7.21%	5.79%	5.85%
2037	12	0.00%	5.05%	6.36%	6.38%	5.73%	8.81%	6.81%	7.01%	5.48%	8.81%	4.43%	5.43%	6.31%	6.61%	7.58%	5.13%	5.10%
2036	13	0.00%	11.09%	4.49%	4.64%	3.95%	6.45%	5.29%	5.41%	4.18%	6.45%	3.95%	4.22%	4.83%	5.41%	6.97%	4.28%	4.00%
2035	14	1.82%	11.60%	2.68%	2.84%	2.30%	3.76%	4.82%	4.62%	3.21%	3.76%	3.51%	3.09%	4.02%	5.69%	4.92%	3.54%	2.91%
2034	15	0.00%	14.29%	1.31%	1.50%	1.15%	1.84%	4.05%	3.85%	2.75%	1.84%	3.07%	2.64%	3.26%	4.78%	4.01%	2.75%	2.20%
2033	16	10.18%	14.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.62%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2032	17	0.00%	7.56%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.15%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2031	18	9.09%	7.53%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.68%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2030	19	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2029	20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.85%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2028	21	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.56%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2027	22	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.35%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2026	23	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2025	24	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2024	25	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2023	26	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2022	27	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2021	28	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2020	29	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2019	30	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2018	31	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2017	32	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2016	33	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2015	34	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2014	35	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2013	36	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.02%	0.00%	0.00%	0.04%	0.03%	0.01%	0.00%	0.00%	0.17%
2012	37	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%
2011	38	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	39	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2009	40	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2008	41	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2007	42	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2006	43	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2005	44	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2004	45	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Note
1. Only diesel vehicles are presented.
2. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Population of Light Buses (Based on Emfac 4.3)

Assessment Year : 2048

FirstRegYear	Age	Population of Light Buses								
		08 - Public Light Buses (Petrol)	09 - Private Light Bus <=3.5t (Petrol)	10 - Private Light Bus >3.5t (Petrol)	08 - Public Light Buses (Diesel)	09 - Private Light Bus <=3.5t (Diesel)	10 - Private Light Bus >3.5t (Diesel)	08 - Public Light Buses (LPG)	09 - Private Light Bus <=3.5t (LPG)	10 - Private Light Bus >3.5t (LPG)
2048	1	0.00	0.00	0.00	368.85	45.97	352.70	0.00	0.00	0.00
2047	2	0.00	0.00	0.00	339.04	44.45	340.33	0.00	0.00	0.00
2046	3	0.00	0.00	0.00	333.57	44.19	333.70	0.00	0.00	0.00
2045	4	0.00	0.00	0.00	309.66	43.79	345.72	0.00	0.00	0.00
2044	5	0.00	0.00	0.00	286.00	42.67	343.32	0.00	0.00	0.00
2043	6	0.00	0.00	0.00	262.49	39.54	316.70	0.00	0.00	0.00
2042	7	0.00	0.00	0.00	252.71	37.29	309.36	0.00	0.00	0.00
2041	8	0.00	0.00	0.00	256.19	36.18	295.91	0.00	0.00	0.00
2040	9	0.00	0.00	0.00	274.94	33.50	275.36	0.00	0.00	0.00
2039	10	0.00	0.00	0.00	311.29	31.06	253.92	0.00	0.00	0.00
2038	11	0.00	0.00	0.00	311.77	29.40	232.47	0.00	0.00	0.00
2037	12	0.00	0.00	0.00	327.80	26.06	202.76	0.00	0.00	0.00
2036	13	0.00	0.00	0.00	301.44	21.71	159.00	0.00	0.00	0.00
2035	14	0.00	0.00	0.00	212.63	18.00	115.66	0.00	0.00	0.00
2034	15	0.00	0.00	0.00	173.44	13.95	87.58	0.00	0.00	0.00
2033	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2032	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2024	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2023	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2022	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	28	0.00	0.00	0.01	0.00	0.00	0.00	0.11	0.00	0.76
2020	29	0.00	0.00	0.04	0.00	0.00	0.00	0.44	0.00	2.87
2019	30	0.00	0.00	0.04	0.00	0.00	0.00	0.30	0.00	2.73
2018	31	0.00	0.00	0.07	0.00	0.00	0.00	0.21	0.00	4.30
2017	32	0.00	0.65	0.00	0.00	0.00	0.00	0.07	0.00	3.07
2016	33	0.00	0.67	0.00	0.00	0.00	0.00	0.03	0.00	3.20
2015	34	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	3.04
2014	35	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	2.15
2013	36	0.00	0.07	0.00	0.00	0.02	6.64	0.00	0.00	1.47
2012	37	0.00	1.61	0.00	0.00	0.00	1.88	0.00	0.00	1.00
2011	38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88
2010	39	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	1.01
2009	40	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.97
2008	41	0.00	0.50	0.01	0.00	0.00	0.00	0.00	0.00	1.49
2007	42	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	1.32
2006	43	0.00	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.63
2005	44	0.00	0.32	0.00	0.00	0.00	0.00	0.01	0.00	0.36
2004	45	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.53

Note

1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Age Population Profile

FirstReg Year	Age	% by Age								
		08 - Public Light Buses (Petrol)	09 - Private Light Bus <=3.5t (Petrol)	10 - Private Light Bus >3.5t (Petrol)	08 - Public Light Buses (Diesel)	09 - Private Light Bus <=3.5t (Diesel)	10 - Private Light Bus >3.5t (Diesel)	08 - Public Light Buses (LPG)	09 - Private Light Bus <=3.5t (LPG)	10 - Private Light Bus >3.5t (LPG)
2048	1	0.00%	0.00%	0.00%	8.53%	9.05%	8.88%	0.00%	0.00%	0.00%
2047	2	0.00%	0.00%	0.00%	7.84%	8.75%	8.57%	0.00%	0.00%	0.00%
2046	3	0.00%	0.00%	0.00%	7.72%	8.70%	8.40%	0.00%	0.00%	0.00%
2045	4	0.00%	0.00%	0.00%	7.17%	8.62%	8.70%	0.00%	0.00%	0.00%
2044	5	0.00%	0.00%	0.00%	6.62%	8.40%	8.64%	0.00%	0.00%	0.00%
2043	6	0.00%	0.00%	0.00%	6.07%	7.79%	7.97%	0.00%	0.00%	0.00%
2042	7	0.00%	0.00%	0.00%	5.85%	7.34%	7.79%	0.00%	0.00%	0.00%
2041	8	0.00%	0.00%	0.00%	5.93%	7.13%	7.45%	0.00%	0.00%	0.00%
2040	9	0.00%	0.00%	0.00%	6.36%	6.60%	6.93%	0.00%	0.00%	0.00%
2039	10	0.00%	0.00%	0.00%	7.20%	6.12%	6.39%	0.00%	0.00%	0.00%
2038	11	0.00%	0.00%	0.00%	7.21%	5.79%	5.85%	0.00%	0.00%	0.00%
2037	12	0.00%	0.00%	0.00%	7.58%	5.13%	5.10%	0.00%	0.00%	0.00%
2036	13	0.00%	0.00%	0.00%	6.97%	4.28%	4.00%	0.00%	0.00%	0.00%
2035	14	0.00%	0.00%	0.00%	4.92%	3.54%	2.91%	0.00%	0.00%	0.00%
2034	15	0.00%	0.00%	0.00%	4.01%	2.75%	2.20%	0.00%	0.00%	0.00%
2033	16	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2032	17	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2031	18	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2030	19	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2029	20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2028	21	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2027	22	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2026	23	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2025	24	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2024	25	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2023	26	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2022	27	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2021	28	0.00%	0.00%	5.74%	0.00%	0.00%	0.00%	9.14%	0.00%	2.40%
2020	29	0.00%	0.00%	21.51%	0.00%	0.00%	0.00%	37.24%	0.00%	9.02%
2019	30	0.00%	0.00%	20.51%	0.00%	0.00%	0.00%	25.10%	0.00%	8.60%
2018	31	0.00%	0.00%	32.23%	0.00%	0.00%	0.00%	17.47%	0.00%	13.52%
2017	32	0.00%	12.40%	0.00%	0.00%	0.00%	0.00%	5.56%	0.00%	9.65%
2016	33	0.00%	12.74%	0.00%	0.00%	0.00%	0.00%	2.15%	0.00%	10.08%
2015	34	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.22%	0.00%	9.58%
2014	35	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.46%	0.00%	6.75%
2013	36	0.00%	1.34%	0.00%	0.00%	0.00%	0.17%	0.17%	0.00%	4.63%
2012	37	0.00%	30.80%	0.00%	0.00%	0.00%	0.05%	0.13%	0.00%	3.13%
2011	38	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.13%	0.00%	2.78%
2010	39	0.00%	0.52%	0.00%	0.00%	0.00%	0.00%	0.24%	0.00%	3.17%
2009	40	0.00%	18.81%	0.00%	0.00%	0.00%	0.00%	0.10%	0.00%	3.06%
2008	41	0.00%	9.60%	6.12%	0.00%	0.00%	0.00%	0.11%	0.00%	4.70%
2007	42	0.00%	3.28%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	4.15%
2006	43	0.00%	1.09%	13.89%	0.00%	0.00%	0.00%	0.04%	0.00%	1.97%
2005	44	0.00%	6.04%	0.00%	0.00%	0.00%	0.00%	0.52%	0.00%	1.14%
2004	45	0.00%	3.39%	0.00%	0.00%	0.00%	0.00%	0.18%	0.00%	1.67%

Technology Group Fractions

FirstRegYear	FBSD							FBDD							NFB6							NFB7							NFB8							NFB9							HGV7						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1972	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1973	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1974	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1975	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1976	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1977	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1978	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1979	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1980	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1981	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1982	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1983	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1984	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1985	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1986	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1987	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1988	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1989	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1990	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1991	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1992	100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%						
1993	100.0%							82.5%	17.5%					100.0%							100.0%							100.0%							100.0%							100.0%						
1994		100.0%						9.7%	90.3%					100.0%							100.0%							100.0%							100.0%							100.0%						
1995		100.0%							100.0%							100.0%							100.0%						25.0%	75.0%					25.0%	75.0%					100.0%						
1996		50.0%	50.0%						100.0%							100.0%							100.0%							100.0%							100.0%							100.0%					
1997			100.0%						28.2%	71.8%						20.0%	80.0%						14.29%	85.71%						100.0%							100.0%							100.0%				
1998			100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%				
1999			100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%				
2000			100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%				
2001			100.0%							42.5%	57.5%							100.0%						57.14%	42.86%							100.0%							100.0%						7.1%	92.9%			
2002			100.0%							0.3%	99.7%							100.0%							100.0%							100.0%							100.0%							100.0%			
2003				100.0%						16.3%	83.7%							100.0%							100.0%							100.0%							100.0%							100.0%			
2004				100.0%						49.7%	50.3%							100.0%							100.0%							100.0%							100.0%							100.0%			
2005				100.0%						61.2%	38.8%							100.0%							100.0%							100.0%							100.0%							100.0%			
2006				100.0%							98.2%	0.9%	0.9%					69.2%	30.8%						55.56%	44.44%						51.2%	48.8%						51.2%	48.8%						69.5%	30.5%		
2007				37.5%	62.5%						95.3%	4.7%							100.0%							100.0%							100.0%							100.0%							100.0%		
2008					100.0%						48.9%	51.1%							100.0%							100.0%							100.0%							100.0%							100.0%		
2009					100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%		
2010					22.2%	77.8%						31.6%	68.4%						100.0%							100.0%							100.0%							100.0%							100.0%		
2011						100.0%						3.9%	96.1%						100.0%							100.0%							100.0%							100.0%							100.0%		
2012						100.0%							100.0%						36.7%	63.3%						28.24%	71.76%						39.3%	60.7%						39.3%	60.7%						40.1%	59.9%	
2013						100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%	
2014						100.0%							99.1%	0.9%						100.0%							100.0%							100.0%							100.0%							100.0%	
2015						100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%	
2016						100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%	
2017							100.0%						99.9%	0.1%						100.0%							100.0%							100.0%							100.0%							100.0%	
2018						75.0%	25.0%						84.9%	15.1%						100.0%							99.2%	0.8%						82.7%	17.3%						82.7%	17.3%						84.3%	15.7%
2019							100.0%							100.0%						100.0%							40.0%	60.0%							100.0%							100.0%							100.0%
2020							100.0%							100.0%						100.0%							40.0%	60.0%							100.0%							100.0%							100.0%
2021							100.0%							100.0%						16.7%	83.3%						6.7%	93.3%							100.0%							100.0%							100.0%
2022							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2023							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2024							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2025							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2026							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2027							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2028							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2029							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2030							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2031							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2032							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2033							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2034							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2035							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2036							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2037							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2038							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2039							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2040							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2041							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2042							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2043							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2044							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2045							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2046							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2047							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2048							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2049							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2050							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2051							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2052							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2053							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2054							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2055							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2056							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2057							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2058							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2059							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%
2060							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%							100.0%

Note
1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Technology Group Fractions

FirstRegYear	HGV8							HGV9							PLB-P							PV4-P							PV5-P							PLB-D							PV4-D						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%							100.0%																												100.0%							100.0%						
1972	100.0%							100.0%																												100.0%							100.0%						
1973	100.0%							100.0%																												100.0%							100.0%						
1974	100.0%							100.0%																												100.0%							100.0%						
1975	100.0%							100.0%																												100.0%							100.0%						
1976	100.0%							100.0%																												100.0%							100.0%						
1977	100.0%							100.0%																												100.0%							100.0%						
1978	100.0%							100.0%																												100.0%							100.0%						
1979	100.0%							100.0%																												100.0%							100.0%						
1980	100.0%							100.0%																												100.0%							100.0%						
1981	100.0%							100.0%																												100.0%							100.0%						
1982	100.0%							100.0%																												100.0%							100.0%						
1983	100.0%							100.0%																												100.0%							100.0%						
1984	100.0%							100.0%																												100.0%							100.0%						
1985	100.0%							100.0%																												100.0%							100.0%						
1986	100.0%							100.0%																												100.0%							100.0%						
1987	100.0%							100.0%																												100.0%							100.0%						
1988	100.0%							100.0%																												100.0%							100.0%						
1989	100.0%							100.0%																												100.0%							100.0%						
1990	100.0%							100.0%																												100.0%							100.0%						
1991	100.0%							100.0%																												100.0%							100.0%						
1992	100.0%							100.0%																												100.0%							100.0%						
1993	100.0%							100.0%																												100.0%							100.0%						
1994	100.0%							100.0%																												100.0%							100.0%						
1995		100.0%							100.0%																												100.0%							100.0%					
1996		100.0%							100.0%																												100.0%							100.0%					
1997			100.0%							100.0%																					100.0%							100.0%							100.0%					
1998			100.0%							100.0%																					100.0%							7.7%	92.3%						75.0%	25.0%				
1999			100.0%							100.0%																													100.0%							100.0%				
2000			100.0%							100.0%															100.0%														100.0%											
2001			3.1%	96.9%						3.1%	96.9%														8.3%														14.3%							91.7%				
2002				100.0%							100.0%															10.0%													1.8%								90.0%			
2003				100.0%							100.0%															75.0%													2.8%	18.3%							25.0%			
2004				100.0%							100.0%															75.0%														17.0%							25.0%			
2005				100.0%							100.0%															87.0%														5.6%							13.0%			
2006				62.7%	37.3%						62.7%	37.3%														57.1%									2.7%						11.4%	4.3%						42.9%			
2007					100.0%							100.0%															86.7%															53.8%							13.3%		
2008					100.0%							100.0%															62.5%							0.4%								31.2%							37.5%		
2009					100.0%							100.0%															98.8%															15.3%							1.2%		
2010					100.0%							100.0%															13.3%															23.3%							86.7%		
2011					100.0%							100.0%																														12.5%							100.0%		
2012					42.2%	57.8%						42.2%	57.8%														42.1%	53.3%														8.9%	15.6%						4.7%		
2013						100.0%							100.0%															80.0%															35.6%							20.0%	
2014						100.0%							100.0%																														42.2%							100.0%	
2015						100.0%							100.0%																														44.0%							100.0%	
2016						100.0%							100.0%															53.1%															52.8%							46.9%	
2017						100.0%							100.0%															56.4%															24.4%							43.6%	
2018						88.9%	11.1%						88.9%	11.1%																						0.5%							32.3%								100.0%
2019							100.0%							100.0%																						0.5%							32.3%								100.0%
2020							100.0%							100.0%																						0.5%							32.3%								100.0%
2021							100.0%							100.0%																						0.1%	41.7%						5.4%	83.3%							100.0%
2022							100.0%							100.0%																							50.0%							100.0%							100.0%
2023							100.0%							100.0%																							50.0%							100.0%							100.0%
2024							100.0%							100.0%																							50.0%							100.0%							100.0%
2025							100.0%							100.0%																							50.0%							100.0%							100.0%
2026							100.0%							100.0%																							50.0%							100.0%							100.0%
2027							100.0%							100.0%																							50.0%							100.0%							100.0%
2028							100.0%							100.0%																							50.0%							100.0%							100.0%
2029							100.0%							100.0%																							50.0%							100.0%							100.0%
2030							100.0%							100.0%																							50.0%							100.0%							100.0%
2031							100.0%							100.0%																							50.0%							100.0%							100.0%
2032							100.0%							100.0%																							50.0%							100.0%							100.0%
2033							100.0%							100.0%																							50.0%							100.0%							100.0%
2034							100.0%							100.0%																							50.0%							100.0%							100.0%
2035							100.0%							100.0%																							50.0%							100.0%							100.0%
2036							100.0%							100.0%																							50.0%							100.0%							100.0%
2037							100.0%							100.0%																							50.0%							100.0%							100.0%
2038							100.0%							100.0%																							50.0%							100.0%							100.0%
2039							100.0%							100.0%																							50.0%							100.0%							100.0%
2040							100.0%							100.0%																							50.0%							100.0%							100.0%
2041							100.0%							100.0%																							50.0%							100.0%							100.0%
2042							100.0%							100.0%																							50.0%							100.0%							100.0%
2043							100.0%							100.0%																							50.0%							100.0%							100.0%
2044							100.0%							100.0%																							50.0%							100.0%							100.0%
2045							100.0%							100.0%																							50.0%							100.0%							100.0%
2046							100.0%							100.0%																							50.0%							100.0%							100.0%
2047							100.0%							100.0%																							50.0%							100.0%							100.0%
2048							100.0%							100.0%																							50.0%							100.0%							100.0%
2049							100.0%							100.0%																							50.0%							100.0%							100.0%
2050							100.0%							100.0%																							50.0%							100.0%							100.0%
2051							100.0%							100.0%																							50.0%							100.0%							100.0%
2052							100.0%							100.0%																							50.0%							100.0%							100.0%
2053							100.0%							100.0%																							50.0%							100.0%							100.0%
2054							100.0%							100.0%																							50.0%							100.0%							100.0%
2055							100.0%							100.0%																							50.0%							100.0%							100.0%
2056							100.0%							100.0%																							50.0%							100.0%							100.0%
2057							100.0%							100.0%																							50.0%							100.0%							100.0%
2058							100.0%							100.0%																							50.0%							100.0%							100.0%
2059							100.0%							100.0%																							50.0%							100.0%							100.0%
2060							100.0%							100.0%																							50.0%							100.0%							100.0%

Note
1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Technology Group Fractions

FirstRegYear	PV5-D							PLB-L						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%													
1972	100.0%													
1973	100.0%													
1974	100.0%													
1975	100.0%													
1976	100.0%													
1977	100.0%													
1978	100.0%													
1979	100.0%													
1980	100.0%													
1981	100.0%													
1982	100.0%													
1983	100.0%													
1984	100.0%													
1985	100.0%													
1986	100.0%													
1987	100.0%													
1988	100.0%													
1989	100.0%													
1990	100.0%													
1991	100.0%													
1992	100.0%													
1993	100.0%													
1994	100.0%													
1995		100.0%												
1996		100.0%												
1997														
1998														
1999			100.0%											
2000			100.0%											
2001			66.7%								85.7%			
2002			50.0%								98.2%			
2003			4.0%	40.0%							78.9%			
2004				34.1%							83.0%			
2005				42.5%							94.4%			
2006				32.4%	5.4%						58.6%	25.7%		
2007					42.2%							46.2%		
2008					55.9%							68.8%		
2009					41.5%							84.7%		
2010					43.1%							76.7%		
2011					73.1%							87.5%		
2012					26.0%	48.4%						26.7%	48.9%	
2013						81.9%							64.4%	
2014						77.1%							57.8%	
2015						76.4%							56.0%	
2016						62.2%							47.2%	
2017						68.6%							75.6%	
2018						67.8%							67.7%	
2019						67.8%							67.7%	
2020						67.8%							67.7%	
2021						11.3%	41.7%						11.3%	
2022							50.0%							
2023							50.0%							
2024							50.0%							
2025							50.0%							
2026							50.0%							
2027							50.0%							
2028							50.0%							
2029							50.0%							
2030							50.0%							
2031							50.0%							
2032							50.0%							
2033							50.0%							
2034							50.0%							
2035							50.0%							
2036							50.0%							
2037							50.0%							
2038							50.0%							
2039							50.0%							
2040							50.0%							
2041							50.0%							
2042							50.0%							
2043							50.0%							
2044							50.0%							
2045							50.0%							
2046							50.0%							
2047							50.0%							
2048							50.0%							
2049							50.0%							
2050							50.0%							
2051							50.0%							
2052							50.0%							
2053							50.0%							
2054							50.0%							
2055							50.0%							
2056							50.0%							
2057							50.0%							
2058							50.0%							
2059							50.0%							
2060							50.0%							

FirstRegYear	PV4-L							PV5-L						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971														
1972														
1973														
1974														
1975														
1976														
1977														
1978														
1979														
1980														
1981														
1982														
1983														
1984														
1985														
1986														
1987														
1988														
1989														
1990														
1991														
1992														
1993														
1994														
1995														
1996														
1997														
1998														
1999														
2000														
2001											33.3%			
2002											50.0%			
2003											56.0%			
2004											65.9%			
2005											57.5%			
2006											48.6%	10.8%		
2007												57.8%		
2008												43.8%		
2009												58.5%		
2010												56.9%		
2011												26.9%		
2012												6.9%	18.7%	
2013													18.1%	
2014													22.9%	
2015													23.6%	
2016													37.8%	
2017													31.4%	
2018													31.7%	
2019													31.7%	
2020													31.7%	
2021													5.3%	
2022														
2023														
2024														
2025														
2026														
2027														
2028														
2029														
2030														
2031														
2032														
2033														
2034														
2035														
2036														
2037														
2038														
2039														
2040														
2041														
2042														
2043														
2044														
2045														
2046														
2047														
2048														
2049														
2050														
2051														
2052														
2053														
2054														
2055														
2056														
2057														
2058														
2059														
2060														

FirstRegYear	PC-P							PC-D						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	99.0%							1.0%						
1972	100.0%													
1973	100.0%													
1974	99.5%							0.5%						
1975	100.0%													
1976	90.5%							9.5%						
1977	92.6%							7.4%						
1978	93.3%							6.7%						
1979	91.9%							8.1%						
1980	98.2%							1.8%						
1981	91.1%							8.9%						
1982	93.9%							6.1%						
1983	81.0%							19.0%						
1984	71.9%							28.1%						
1985	92.6%							7.4%						
1986	82.5%							17.5%						
1987	77.5%							22.5%						
1988	78.8%							21.3%						
1989	75.2%							24.8%						
1990	73.3%							26.7%						
1991	75.6%							24.4%						
1992	84.4%							15.6%						
1993	83.2%							16.8%						
1994	87.8%							12.2%						
1995	28.8%	55.2%						3.2%	12.9%					
1996		88.9%							11.1%					
1997		14.6%	78.7%						6.7%					
1998		2.8%	97.2%											
1999			100.0%											
2000			100.0%											
2001				100.0%										
2002				100.0%					0.0%					
2003				100.0%					0.0%					
2004				100.0%					0.0%					
2005				100.0%					0.0%					
2006					100.0%									
2007					100.0%									
2008					100.0%									
2009					99.7%							0.3%		
2010					99.6%							0.4%		
2011					99.7%							0.3%		
2012					37.8%	62.1%						0.0%	0.1%	
2013						99.2%							0.8%	
2014						96.6%							3.4%	
2015						96.6%							3.4%	
2016						94.9%							5.1%	
2017						43.0%	46.0%						11.0%	
2018							99.4%						0.6%	
2019							99.4%							0.6%
2020							99.4%							0.6%
2021							99.4%							0.6%
2022							99.4%							0.6%
2023							99.4%							0.6%
2024							99.4%							0.6%
2025							99.4%							0.6%
2026							99.4%							0.6%
2027							99.4%							0.6%
2028							99.4%							0.6%
2029							99.4%							0.6%
2030							99.4%							0.6%
2031							99.4%							0.6%
2032							99.4%							0.6%
2033							99.4%							0.6%
2034							99.4%							0.6%
2035							99.4%							0.6%
2036							99.4%							0.6%
2037							99.4%							0.6%
2038							99.4%							0.6%
2039							99.4%							0.6%
2040							99.4%							0.6%
2041							99.4%							0.6%
2042							99.4%							0.6%
2043							99.4%							0.6%
2044							99.4%							0.6%
2045							99.4%							0.6%
2046							99.4%							0.6%
2047							99.4%							0.6%
2048							99.4%							0.6%
2049							99.4%							0.6%
2050							99.4%							0.6%
2051							99.4%							0.6%
2052							99.4%							0.6%
2053							99.4%							0.6%
2054							99.4%							0.6%
2055							99.4%							0.6%
2056							99.4%							0.6%
2057							99.4%							0.6%
2058							99.4%							0.6%
2059							99.4%							0.6%
2060							99.4%							0.6%

FirstRegYear	LGV3-P							LGV3-D						
	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971								100.0%						
1972								100.0%						
1973								100.0%						
1974								100.0%						
1975								100.0%						
1976								100.0%						
1977								100.0%						
1978								100.0%						
1979								100.0%						
1980								100.0%						
1981								100.0%						
1982								100.0%						
1983								100.0%						
1984								100.0%						
1985	100.0%													
1986	100.0%													
1987	100.0%													
1988	100.0%													
1989	100.0%													
1990	100.0%													
1991	100.0%													
1992	100.0%													
1993	100.0%													
1994	100.0%													
1995	20.0%	80.0%												
1996		100.0%												
1997		100.0%												
1998									100.0%					
1999			100.0%											
2000			100.0%											
2001			100.0%											
2002				100.0%										
2003				100.0%										
2004											100.0%			
2005				100.0%										
2006				100.0%										
2007												100.0%		
2008												100.0%		
2009												100.0%		
2010												100.0%		
2011												100.0%		
2012					3.0%							95.5%	1.5%	
2013													100.0%	
2014						3.8%							96.2%	
2015						1.1%							98.9%	
2016													100.0%	
2017						2.1%							97.9%	
2018							2.9%							97.1%
2019							2.9%							97.1%
2020							2.9%							97.1%
2021							2.9%							97.1%
2022							2.9%							97.1%
2023							2.9%							97.1%
2024							2.9%							97.1%
2025							2.9%							97.1%
2026							2.9%							97.1%
2027							2.9%							97.1%
2028							2.9%							97.1%
2029							2.9%							97.1%
2030							2.9%							97.1%
2031							2.9%							97.1%
2032							2.9%							97.1%
2033							2.9%							97.1%
2034							2.9%							97.1%
2035							2.9%							97.1%
2036							2.9%							97.1%
2037							2.9%							97.1%
2038							2.9%							97.1%
2039							2.9%							97.1%
2040							2.9%							97.1%
2041							2.9%							97.1%
2042							2.9%							97.1%
2043							2.9%							97.1%
2044							2.9%							97.1%
2045							2.9%							97.1%
2046							2.9%							97.1%
2047							2.9%							97.1%
2048							2.9%							97.1%
2049							2.9%							97.1%
2050							2.9%							97.1%
2051							2.9%							97.1%
2052							2.9%							97.1%
2053							2.9%							97.1%
2054							2.9%							97.1%
2055							2.9%							97.1%
2056							2.9%							97.1%
2057							2.9%							97.1%
2058							2.9%							97.1%
2059							2.9%							97.1%
2060							2.9%							97.1%

Note
1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Technology Group Fractions

LGV4-P

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971							
1972							
1973							
1974							
1975							
1976							
1977							
1978							
1979							
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990	100.0%						
1991	100.0%						
1992	0.2%						
1993	100.0%						
1994	100.0%						
1995	66.7%						
1996		100.0%					
1997		100.0%					
1998		100.0%					
1999			100.0%				
2000			100.0%				
2001			100.0%				
2002				2.6%			
2003				2.7%			
2004				3.5%			
2005				2.6%			
2006				2.2%			
2007					6.1%		
2008					1.6%		
2009					12.9%		
2010					2.4%		
2011					4.4%		
2012					1.0%	3.2%	
2013						1.3%	
2014						1.9%	
2015						0.9%	
2016						2.1%	
2017						3.6%	
2018							1.9%
2019							1.9%
2020							1.9%
2021							1.9%
2022							1.9%
2023							1.9%
2024							1.9%
2025							1.9%
2026							1.9%
2027							1.9%
2028							1.9%
2029							1.9%
2030							1.9%
2031							1.9%
2032							1.9%
2033							1.9%
2034							1.9%
2035							1.9%
2036							1.9%
2037							1.9%
2038							1.9%
2039							1.9%
2040							1.9%
2041							1.9%
2042							1.9%
2043							1.9%
2044							1.9%
2045							1.9%
2046							1.9%
2047							1.9%
2048							1.9%
2049							1.9%
2050							1.9%
2051							1.9%
2052							1.9%
2053							1.9%
2054							1.9%
2055							1.9%
2056							1.9%
2057							1.9%
2058							1.9%
2059							1.9%
2060							1.9%

LGV4-D

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%						
1972	100.0%						
1973	100.0%						
1974	100.0%						
1975	100.0%						
1976	100.0%						
1977	100.0%						
1978	100.0%						
1979	100.0%						
1980	100.0%						
1981	100.0%						
1982	100.0%						
1983	100.0%						
1984	100.0%						
1985	100.0%						
1986	100.0%						
1987	100.0%						
1988	100.0%						
1989	100.0%						
1990							
1991							
1992	99.8%						
1993							
1994							
1995		33.3%					
1996							
1997							
1998							
1999							
2000							
2001							
2002				97.4%			
2003				97.3%			
2004				96.5%			
2005				97.4%			
2006				97.8%			
2007					93.9%		
2008					98.4%		
2009					87.1%		
2010					97.6%		
2011					95.6%		
2012					95.4%	0.3%	
2013						98.7%	
2014						98.1%	
2015						99.1%	
2016						97.9%	
2017						96.4%	
2018							98.1%
2019							98.1%
2020							98.1%
2021							98.1%
2022							98.1%
2023							98.1%
2024							98.1%
2025							98.1%
2026							98.1%
2027							98.1%
2028							98.1%
2029							98.1%
2030							98.1%
2031							98.1%
2032							98.1%
2033							98.1%
2034							98.1%
2035							98.1%
2036							98.1%
2037							98.1%
2038							98.1%
2039							98.1%
2040							98.1%
2041							98.1%
2042							98.1%
2043							98.1%
2044							98.1%
2045							98.1%
2046							98.1%
2047							98.1%
2048							98.1%
2049							98.1%
2050							98.1%
2051							98.1%
2052							98.1%
2053							98.1%
2054							98.1%
2055							98.1%
2056							98.1%
2057							98.1%
2058							98.1%
2059							98.1%
2060							98.1%

LGV6

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%						
1972	100.0%						
1973	100.0%						
1974	100.0%						
1975	100.0%						
1976	100.0%						
1977	100.0%						
1978	100.0%						
1979	100.0%						
1980	100.0%						
1981	100.0%						
1982	100.0%						
1983	100.0%						
1984	100.0%						
1985	100.0%						
1986	100.0%						
1987	100.0%						
1988	100.0%						
1989	100.0%						
1990	100.0%						
1991	100.0%						
1992	100.0%						
1993	100.0%						
1994	100.0%						
1995		100.0%					
1996		100.0%					
1997		1.2%	98.8%				
1998			100.0%				
1999			100.0%				
2000			100.0%				
2001			1.6%	98.4%			
2002				100.0%			
2003				100.0%			
2004				100.0%			
2005				100.0%			
2006				68.3%	31.7%		
2007					100.0%		
2008					100.0%		
2009					100.0%		
2010					100.0%		
2011					100.0%		
2012					37.9%	62.1%	
2013						100.0%	
2014						100.0%	
2015						100.0%	
2016						100.0%	
2017						100.0%	
2018						85.5%	14.5%
2019							100.0%
2020							100.0%
2021							100.0%
2022							100.0%
2023							100.0%
2024							100.0%
2025							100.0%
2026							100.0%
2027							100.0%
2028							100.0%
2029							100.0%
2030							100.0%
2031							100.0%
2032							100.0%
2033							100.0%
2034							100.0%
2035							100.0%
2036							100.0%
2037							100.0%
2038							100.0%
2039							100.0%
2040							100.0%
2041							100.0%
2042							100.0%
2043							100.0%
2044							100.0%
2045							100.0%
2046							100.0%
2047							100.0%
2048							100.0%
2049							100.0%
2050							100.0%
2051							100.0%
2052							100.0%
2053							100.0%
2054							100.0%
2055							100.0%
2056							100.0%
2057							100.0%
2058							100.0%
2059							100.0%
2060							100.0%

TAXI-P

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971							
1972							
1973							
1974							
1975							
1976							
1977							
1978							
1979							
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992							
1993							
1994							
1995							
1996							
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							
2013						0.3%	
2014							
2015							
2016						0.1%	
2017							
2018							
2019							
2020							
2021							
2022							
2023							
2024							
2025							
2026							
2027							
2028							
2029							
2030							
2031							
2032							
2033							
2034							
2035							
2036							
2037							
2038							
2039							
2040							
2041							
2042							
2043							
2044							
2045							
2046							
2047							
2048							
2049							
2050							
2051							
2052							
2053							
2054							
2055							
2056							
2057							
2058							
2059							
2060							

TAXI-D

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%						
1972	100.0%						
1973	100.0%						
1974	100.0%						
1975	100.0%						
1976	100.0%						
1977	100.0%						
1978	100.0%						
1979	100.0%						
1980	100.0%						
1981	100.0%						
1982	100.0%						
1983	100.0%						
1984	100.0%						
1985	100.0%						
1986	100.0%						
1987	100.0%						
1988	100.0%						
1989	100.0%						
1990	100.0%						
1991	100.0%						
1992	100.0%						
1993	100.0%						
1994	100.0%						
1995	100.0%						
1996		100.0%					
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							
2021							
2022							
2023							
2024							
2025							
2026							
2027							
2028							
2029							
2030							
2031							
2032							
2033							
2034							
2035							
2036							
2037							
2038							
2039							
2040							
2041							
2042							
2043							
2044							
2045							
2046							
2047							
2048							
2049							
2050							
2051							
2052							
2053							
2054							
2055							
2056							
2057							
2058							
2059							
2060							

TAXI-L

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971							
1972							
1973							
1974							
1975							
1976							
1977							
1978							
1979							
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992							
1993							
1994							
1995							
1996							
1997			100.0%				
1998			100.0%				
1999			100.0%				
2000			100.0%				
2001			100.0%				
2002			100.0%				
2003			100.0%				
2004			100.0%				
2005			100.0%				
2006					100.0%		
2007					100.0%		
2008					100.0%		
2009					17.2%	82.8%	
2010						100.0%	
2011						100.0%	
2012						100.0%	
2013						99.7%	
2014						100.0%	
2015						100.0%	
2016						99.9%	
2017						50.3%	49.7%
2018							100.0%
2019							100.0%
2020							100.0%
2021							100.0%
2022							100.0%
2023							100.0%
2024							100.0%
2025							100.0%
2026							100.0%
2027							100.0%
2028							100.0%
2029							100.0%
2030							100.0%
2031							100.0%
2032							100.0%
2033							100.0%
2034							100.0%
2035							100.0%
2036							100.0%
2037							100.0%
2038							100.0%
2039							100.0%
2040							100.0%
2041							100.0%
2042							100.0%
2043							100.0%
2044							100.0%
2045							100.0%
2046							100.0%
2047							100.0%
2048							100.0%
2049							100.0%
2050							100.0%
2051							100.0%
2052							100.0%
2053							100.0%
2054							100.0%
2055							100.0%
2056							100.0%
2057							100.0%
2058							100.0%
2059							100.0%
2060							100.0%

MC

FirstRegYear	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
1971	100.0%						
1972	100.0%						
1973	100.0%						
1974	100.0%						
1975	100.0%						
1976	100.0%						
1977	100.0%						
1978	100.0%						
1979	100.0%						
1980	100.0%						
1981	100.0%						
1982	100.0%						
1983	100.0%						
1984	100.0%						
1985	100.0%						
1986	100.0%						
1987	100.0%						
1988	100.0%						
1989	100.0%						
1990	100.0%						
1991	100.0%						
1992	100.0%						
1993	100.0%						
1994	100.0%						
1995	100.0%						
1996	100.0%						
1997	100.0%						
1998	100.0%						
1999	75.5%	24.5%					
2000		100.0%					
2001		100.0%					
2002		100.0%					
2003		100.0%					
2004		100.0%					
2005		100.0%					
2006		100.0%					
2007		100.0%					
2008		100.0%					
2009				100.0%			
2010				100.0%			
2011				100.0%			
2012				100.0%			
2013				100.0%			
2014				100.0%			
2015				100.0%			
2016				100.0%			
2017				100.0%			
2018				100.0%			
2019				100.0%			
2020				75.6%	24.4%		
2021				2.5%	97.5%		
2022				2.5%	97.5%		
2023				2.5%	97.5%		
2024				2.5%	97.5%		
2025				2.5%	97.5%		
2026				2.5%	97.5%		
2027				2.5%	97.5%		
2028				2.5%	97.5%		
2029				2.5%	97.5%		
2030				2.5%	97.5%		
2031				2.5%	97.5%		
2032				2.5%	97.5%		
2033				2.5%	97.5%		
2034				2.5%	97.5%		
2035				2.5%	97.5%		
2036				2.5%	97.5%		
2037				2.5%	97.5%		
2038				2.5%	97.5%		
2039				2.5%	97.5%		
2040				2.5%	97.5%		
2041				2.5%	97.5%		
2042				2.5%	97.5%		
2043				2.5%	97.5%		
2044				2.5%	97.5%		
2045				2.5%	97.5%		
2046				2.5%	97.5%		
2047				2.5%	97.5%		
2048				2.5%	97.5%		
2049				2.5%	97.5%		
2050				2.5%	97.5%		
2051				2.5%	97.5%		
2052				2.5%	97.5%		
2053				2.5%	97.5%		
2054				2.5%	97.5%		
2055				2.5%	97.5%		
2056				2.5%	97.5%		
2057				2.5%	97.5%		
2058				2.5%	97.5%		
2059				2.5%	97.5%		
2060				2.5%	97.5%		

Note
1. Population, Age and Technology Group Fraction are default figures from Emfac 4.3.

Calculations of Composite Idling Emission Factors--Diesel Vehicles

Estimated Engine Type Distribution

Assessment Year : 2048

FirstRegYear	Age	Estimated engine type distribution: FBSD								Estimated engine type distribution: FBDD								Estimated engine type distribution: NFB6								Estimated engine type distribution: NFB7								Estimated engine type distribution: NFB8							
		Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
2048	1	19.64%	-	-	-	-	-	-	19.64%	3.78%	-	-	-	-	-	-	3.78%	8.72%	-	-	-	-	-	-	8.72%	8.51%	-	-	-	-	-	-	8.51%	7.74%	-	-	-	-	-	-	7.74%
2047	2	17.82%	-	-	-	-	-	-	17.82%	4.81%	-	-	-	-	-	-	4.81%	8.27%	-	-	-	-	-	-	8.27%	8.23%	-	-	-	-	-	-	8.23%	7.48%	-	-	-	-	-	-	7.48%
2046	3	13.09%	-	-	-	-	-	-	13.09%	3.03%	-	-	-	-	-	-	3.03%	7.84%	-	-	-	-	-	-	7.84%	7.93%	-	-	-	-	-	-	7.93%	7.48%	-	-	-	-	-	-	7.48%
2045	4	16.72%	-	-	-	-	-	-	16.72%	0.80%	-	-	-	-	-	-	0.80%	7.50%	-	-	-	-	-	-	7.50%	7.74%	-	-	-	-	-	-	7.74%	7.70%	-	-	-	-	-	-	7.70%
2044	5	3.64%	-	-	-	-	-	-	3.64%	0.77%	-	-	-	-	-	-	0.77%	7.35%	-	-	-	-	-	-	7.35%	7.72%	-	-	-	-	-	-	7.72%	8.11%	-	-	-	-	-	-	8.11%
2043	6	2.91%	-	-	-	-	-	-	2.91%	1.10%	-	-	-	-	-	-	1.10%	7.32%	-	-	-	-	-	-	7.32%	7.50%	-	-	-	-	-	-	7.50%	8.24%	-	-	-	-	-	-	8.24%
2042	7	3.27%	-	-	-	-	-	-	3.27%	1.88%	-	-	-	-	-	-	1.88%	7.51%	-	-	-	-	-	-	7.51%	7.48%	-	-	-	-	-	-	7.48%	8.45%	-	-	-	-	-	-	8.45%
2041	8	1.82%	-	-	-	-	-	-	1.82%	0.84%	-	-	-	-	-	-	0.84%	7.73%	-	-	-	-	-	-	7.73%	7.55%	-	-	-	-	-	-	7.55%	8.54%	-	-	-	-	-	-	8.54%
2040	9	0.00%	-	-	-	-	-	-	0.00%	3.01%	-	-	-	-	-	-	3.01%	7.84%	-	-	-	-	-	-	7.84%	7.48%	-	-	-	-	-	-	7.48%	8.33%	-	-	-	-	-	-	8.33%
2039	10	0.00%	-	-	-	-	-	-	0.00%	3.25%	-	-	-	-	-	-	3.25%	7.76%	-	-	-	-	-	-	7.76%	7.37%	-	-	-	-	-	-	7.37%	7.83%	-	-	-	-	-	-	7.83%
2038	11	0.00%	-	-	-	-	-	-	0.00%	5.51%	-	-	-	-	-	-	5.51%	7.32%	-	-	-	-	-	-	7.32%	7.12%	-	-	-	-	-	-	7.12%	6.96%	-	-	-	-	-	-	6.96%
2037	12	0.00%	-	-	-	-	-	-	0.00%	5.05%	-	-	-	-	-	-	5.05%	6.36%	-	-	-	-	-	-	6.36%	6.38%	-	-	-	-	-	-	6.38%	5.73%	-	-	-	-	-	-	5.73%
2036	13	0.00%	-	-	-	-	-	-	0.00%	11.09%	-	-	-	-	-	-	11.09%	4.49%	-	-	-	-	-	-	4.49%	4.64%	-	-	-	-	-	-	4.64%	3.95%	-	-	-	-	-	-	3.95%
2035	14	1.82%	-	-	-	-	-	-	1.82%	11.60%	-	-	-	-	-	-	11.60%	2.68%	-	-	-	-	-	-	2.68%	2.84%	-	-	-	-	-	-	2.84%	2.30%	-	-	-	-	-	-	2.30%
2034	15	0.00%	-	-	-	-	-	-	0.00%	14.29%	-	-	-	-	-	-	14.29%	1.31%	-	-	-	-	-	-	1.31%	1.50%	-	-	-	-	-	-	1.50%	1.15%	-	-	-	-	-	-	1.15%
2033	16	10.18%	-	-	-	-	-	-	10.18%	14.08%	-	-	-	-	-	-	14.08%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2032	17	0.00%	-	-	-	-	-	-	0.00%	7.56%	-	-	-	-	-	-	7.56%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2031	18	9.09%	-	-	-	-	-	-	9.09%	7.53%	-	-	-	-	-	-	7.53%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2030	19	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2029	20	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2028	21	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2027	22	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2026	23	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2025	24	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2024	25	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2023	26	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2022	27	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2021	28	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2020	29	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2019	30	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2018	31	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%
2017	32	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-
2016	33	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-
2015	34	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-
2014	35	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-
2013	36	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-
2012	37	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-
2011	38	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-
2010	39	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2009	40	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2008	41	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2007	42	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2006	43	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	0.00%	0.00%	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	0.00%	0.00%	-	-
2005	44	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
2004	45	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	0.00%	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
	Total	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Calculations of Composite Idling Emission Factors--Diesel Vehicles

Estimated Engine Type Distribution

Assessment Year : 2048

FirstRegYear	Age	Estimated engine type distribution NFB9								Estimated engine type distribution HGV7								Estimated engine type distribution HGV8								Estimated engine type distribution HGV9							
		Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
2048	1	10.41%	-	-	-	-	-	-	10.41%	8.17%	-	-	-	-	-	-	8.17%	7.64%	-	-	-	-	-	-	7.64%	7.43%	-	-	-	-	-	-	7.43%
2047	2	9.36%	-	-	-	-	-	-	9.36%	8.79%	-	-	-	-	-	-	8.79%	7.96%	-	-	-	-	-	-	7.96%	8.35%	-	-	-	-	-	-	8.35%
2046	3	7.99%	-	-	-	-	-	-	7.99%	8.61%	-	-	-	-	-	-	8.61%	8.22%	-	-	-	-	-	-	8.22%	9.28%	-	-	-	-	-	-	9.28%
2045	4	6.48%	-	-	-	-	-	-	6.48%	10.94%	-	-	-	-	-	-	10.94%	9.52%	-	-	-	-	-	-	9.52%	10.88%	-	-	-	-	-	-	10.88%
2044	5	5.00%	-	-	-	-	-	-	5.00%	10.15%	-	-	-	-	-	-	10.15%	9.64%	-	-	-	-	-	-	9.64%	9.96%	-	-	-	-	-	-	9.96%
2043	6	3.79%	-	-	-	-	-	-	3.79%	5.36%	-	-	-	-	-	-	5.36%	6.20%	-	-	-	-	-	-	6.20%	6.86%	-	-	-	-	-	-	6.86%
2042	7	4.37%	-	-	-	-	-	-	4.37%	5.07%	-	-	-	-	-	-	5.07%	5.89%	-	-	-	-	-	-	5.89%	6.69%	-	-	-	-	-	-	6.69%
2041	8	6.11%	-	-	-	-	-	-	6.11%	5.08%	-	-	-	-	-	-	5.08%	5.84%	-	-	-	-	-	-	5.84%	6.63%	-	-	-	-	-	-	6.63%
2040	9	7.50%	-	-	-	-	-	-	7.50%	5.10%	-	-	-	-	-	-	5.10%	5.73%	-	-	-	-	-	-	5.73%	6.40%	-	-	-	-	-	-	6.40%
2039	10	8.78%	-	-	-	-	-	-	8.78%	5.43%	-	-	-	-	-	-	5.43%	5.88%	-	-	-	-	-	-	5.88%	6.08%	-	-	-	-	-	-	6.08%
2038	11	9.36%	-	-	-	-	-	-	9.36%	6.30%	-	-	-	-	-	-	6.30%	6.57%	-	-	-	-	-	-	6.57%	5.82%	-	-	-	-	-	-	5.82%
2037	12	8.81%	-	-	-	-	-	-	8.81%	6.81%	-	-	-	-	-	-	6.81%	7.01%	-	-	-	-	-	-	7.01%	5.48%	-	-	-	-	-	-	5.48%
2036	13	6.45%	-	-	-	-	-	-	6.45%	5.29%	-	-	-	-	-	-	5.29%	5.41%	-	-	-	-	-	-	5.41%	4.18%	-	-	-	-	-	-	4.18%
2035	14	3.76%	-	-	-	-	-	-	3.76%	4.82%	-	-	-	-	-	-	4.82%	4.62%	-	-	-	-	-	-	4.62%	3.21%	-	-	-	-	-	-	3.21%
2034	15	1.84%	-	-	-	-	-	-	1.84%	4.05%	-	-	-	-	-	-	4.05%	3.85%	-	-	-	-	-	-	3.85%	2.75%	-	-	-	-	-	-	2.75%
2033	16	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2032	17	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2031	18	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2030	19	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2029	20	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2028	21	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2027	22	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2026	23	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2025	24	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2024	25	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2023	26	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2022	27	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2021	28	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2020	29	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2019	30	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%
2018	31	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%
2017	32	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2016	33	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2015	34	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2014	35	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-
2013	36	0.00%	-	-	-	-	-	0.00%	-	0.02%	-	-	-	-	-	0.02%	-	0.01%	-	-	-	-	-	0.01%	-	0.02%	-	-	-	-	-	0.02%	-
2012	37	0.00%	-	-	-	-	0.00%	0.00%	-	0.01%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	-	0.00%	0.00%	-	0.01%	-	-	-	-	0.00%	0.00%	-
2011	38	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2010	39	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2009	40	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2008	41	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2007	42	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-
2006	43	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	0.00%	-	-
2005	44	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
2004	45	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-
	Total	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.02%**	**99.98%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.01%**	**99.98%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.02%**	**99.98%**

Warm Idling

Summary of Engine Type Distribution (Year 2048)

Euro Standard	Estimated engine type distribution								
	FBSD	FBDD	NFB6	NFB7	NFB8	NFB9	HGV7	HGV8	HGV9
pre-Euro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro II	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro III	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro IV	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro V	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.02%
Euro VI	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	99.98%	99.98%	99.98%
Total	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***

Basic Idling Emission Factors

Euro Standard	Truck/bus		Light Duty	
	NOx (g/h)	PM (g/h)	NOx (g/h)	PM (g/h)
pre-Euro	40.56	6.62	6.52	1.59
Euro I	32.6	5.53	5.88	0.63
Euro II	40.58	1.43	5.53	0.54
Euro III	42.08	1.29	4.12	0.1
Euro IV	7.51	0.2	3.62	0.16
Euro V	11.71	0.1	3.6	0.02
Euro VI	1.75	0.01	1.28	0.02

Source : Road tunnels: Vehicle emission and air demand for ventilation, PIARC, 2019

Mass Factors

Pollutant	Mass Factor		
	15t	23t	32t
NOx	0.9	1	1.2
PM	0.9	1	1.2

Source : Road tunnels: Vehicle emission and air demand for ventilation, PIARC, 2019

Composite Idling Emission Factors

Euro Standard	Composite Idling Emission Factors (g/h)																	
	FBSD		FBDD		NFB6		NFB7		NFB8		NFB9		HGV7		HGV8		HGV9	
	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM
pre-Euro	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Euro I	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Euro II	0.00E+00	0.00E+00	8.16E-11	2.88E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Euro III	2.60E-10	7.97E-12	2.15E-10	6.59E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Euro IV	1.88E-10	5.02E-12	1.81E-11	4.83E-13	2.02E-07	5.38E-09	3.05E-05	8.13E-07	2.70E-05	7.18E-07	0.00E+00	0.00E+00	1.83E-04	4.88E-06	1.14E-04	3.03E-06	2.31E-04	6.14E-06
Euro V	7.84E-10	6.69E-12	8.77E-10	7.49E-12	1.58E-06	1.35E-08	3.82E-04	3.26E-06	3.00E-04	2.57E-06	0.00E+00	0.00E+00	2.20E-03	1.87E-05	1.76E-03	1.50E-05	2.44E-03	2.08E-05
Euro VI	1.75E+00	1.00E-02	1.75E+00	1.00E-02	1.75E+00	1.00E-02	1.75E+00	1.00E-02	1.75E+00	1.00E-02	1.75E+00	1.00E-02	1.75E+00	1.00E-02	1.75E+00	1.00E-02	1.75E+00	1.00E-02
Composite Emission Factors(g/h)	*1.75E+00*	*1.00E-02*	*2.10E+00*	*1.20E-02*	*1.58E+00*	*9.00E-03*	*1.58E+00*	*9.00E-03*	*1.75E+00*	*1.00E-02*	*2.10E+00*	*1.20E-02*	*1.58E+00*	*9.02E-03*	*1.75E+00*	*1.00E-02*	*2.10E+00*	*1.20E-02*
Composite Emission Factors (g/s)	***4.86E-04***	***2.78E-06***	***5.83E-04***	***3.33E-06***	***4.38E-04***	***2.50E-06***	***4.38E-04***	***2.50E-06***	***4.86E-04***	***2.78E-06***	***5.83E-04***	***3.33E-06***	***4.38E-04***	***2.51E-06***	***4.87E-04***	***2.78E-06***	***5.84E-04***	***3.34E-06***

Mass influence factor for 32t is assumed for NFB (9) and HGV(9) for conservative assessment.
Mass influence factor for 23t is assumed for NFB (8) and HGV(8) for conservative assessment.
Mass influence factor for 15t is assumed for HGV(7), NFB(6) and NFB(7) for conservative assessment.
For conservative assessment, mass factor of 1 and 1.2 are used for FBSD (assuming >15 ton) and FBDD (assuming >23 ton) respectively.

Cold Idling for diesel vehicles with SCR

Summary of Engine Type Distribution (Year 2048)

Euro Standard	Estimated engine type distribution								
	FBSD	FBDD	NFB6	NFB7	NFB8	NFB9	HGV7	HGV8	HGV9
pre-Euro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro II	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro III	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro IV	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro V	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.02%
Euro VI	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	99.98%	99.98%	99.98%
Total	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***100.00%***

Basic Idling Emission Factors

Euro Standard	FBSD		FBDD		NFB6		NFB7		NFB8		NFB9		HGV7		HGV8		HGV9	
	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)
pre-Euro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro III	0.0737	-	0.0737	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro IV	0.0573	-	0.1535	-	0.0573	-	0.0573	-	0.0573	-	0.0573	-	0.0144	-	0.0144	-	0.0144	-
Euro V	0.0474	-	0.1535	-	0.0474	-	0.0474	-	0.0474	-	0.0474	-	0.0059	-	0.023	-	0.023	-
Euro VI	0.0077	-	0.0225	-	0.0010	-	0.0077	-	0.0077	-	0.0077	-	0.0059	-	0.0037	-	0.0037	-

Source : EPD Technical Note on "Calculation of Start Emissions in Air Quality Impact Assessment" (https://www.epd.gov.hk/epd/sites/default/files/epd/Technical_Note_on_Calculation_of_Start_Emissions_in_Air_Quality_Impact_Assessment.pdf.)
For Euro III of FBSD, no emission factor has been provided, emission factor is assumed the same as FBDD for conservative assessments.
For Euro IV and V of NFB6, no emission factor has been provided, emission factor is assumed the same as NFB8/9 for conservative assessments.
For Euro V of NFB7, no emission factor has been provided, emission factor is assumed the same as NFB8/9 for conservative assessments.
For Euro IV of HGV7, no emission factor has been provided, emission factor is assumed the same as HGV8/9 for conservative assessments.

Composite Idling Emission Factors

Euro Standard	Composite Idling Emission Factors (g/s)																	
	FBSD		FBDD		NFB6		NFB7		NFB8		NFB9		HGV7		HGV8		HGV9	
	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM
pre-Euro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro III	4.56E-13	-	3.77E-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro IV	1.44E-12	-	3.70E-13	-	1.54E-09	-	2.33E-07	-	2.06E-07	-	0.00E+00	-	3.51E-07	-	2.18E-07	-	4.42E-07	-
Euro V	3.17E-12	-	1.15E-11	-	6.42E-09	-	1.55E-06	-	1.22E-06	-	0.00E+00	-	1.11E-06	-	3.45E-06	-	4.79E-06	-
Euro VI	7.70E-03	-	2.25E-02	-	1.00E-03	-	7.70E-03	-	7.70E-03	-	7.70E-03	-	5.90E-03	-	3.70E-03	-	3.70E-03	-
Composite Emission Factors(g/s)	***7.70E-03***	***-***	***2.25E-02***	***-***	***1.00E-03***	***-***	***7.70E-03***	***-***	***7.70E-03***	***-***	***7.70E-03***	***-***	***5.90E-03***	***-***	***3.70E-03***	***-***	***3.70E-03***	***-***

Calculations of Composite Idling Emission Factors--Light Buses

Estimated Engine Type Distribution

Assessment Year : 2048

FirstRegYear	Age	Estimated engine type distribution: PLB-Diesel								Estimated engine type distribution: PV4-Diesel								Estimated engine type distribution: PV5-Diesel								Estimated engine type distribution: PLB-LPG								Estimated engine type distribution: PV4-LPG							
		Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
2048	1	8.53%	-	-	-	-	-	-	8.53%	9.05%	-	-	-	-	-	-	9.05%	8.88%	-	-	-	-	-	-	8.88%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2047	2	7.84%	-	-	-	-	-	-	7.84%	8.75%	-	-	-	-	-	-	8.75%	8.57%	-	-	-	-	-	-	8.57%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2046	3	7.72%	-	-	-	-	-	-	7.72%	8.70%	-	-	-	-	-	-	8.70%	8.40%	-	-	-	-	-	-	8.40%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2045	4	7.17%	-	-	-	-	-	-	7.17%	8.62%	-	-	-	-	-	-	8.62%	8.70%	-	-	-	-	-	-	8.70%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2044	5	6.62%	-	-	-	-	-	-	6.62%	8.40%	-	-	-	-	-	-	8.40%	8.64%	-	-	-	-	-	-	8.64%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2043	6	6.07%	-	-	-	-	-	-	6.07%	7.79%	-	-	-	-	-	-	7.79%	7.97%	-	-	-	-	-	-	7.97%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2042	7	5.85%	-	-	-	-	-	-	5.85%	7.34%	-	-	-	-	-	-	7.34%	7.79%	-	-	-	-	-	-	7.79%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2041	8	5.93%	-	-	-	-	-	-	5.93%	7.13%	-	-	-	-	-	-	7.13%	7.45%	-	-	-	-	-	-	7.45%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2040	9	6.36%	-	-	-	-	-	-	6.36%	6.60%	-	-	-	-	-	-	6.60%	6.93%	-	-	-	-	-	-	6.93%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2039	10	7.20%	-	-	-	-	-	-	7.20%	6.12%	-	-	-	-	-	-	6.12%	6.39%	-	-	-	-	-	-	6.39%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2038	11	7.21%	-	-	-	-	-	-	7.21%	5.79%	-	-	-	-	-	-	5.79%	5.85%	-	-	-	-	-	-	5.85%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2037	12	7.58%	-	-	-	-	-	-	7.58%	5.13%	-	-	-	-	-	-	5.13%	5.10%	-	-	-	-	-	-	5.10%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2036	13	6.97%	-	-	-	-	-	-	6.97%	4.28%	-	-	-	-	-	-	4.28%	4.00%	-	-	-	-	-	-	4.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2035	14	4.92%	-	-	-	-	-	-	4.92%	3.54%	-	-	-	-	-	-	3.54%	2.91%	-	-	-	-	-	-	2.91%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2034	15	4.01%	-	-	-	-	-	-	4.01%	2.75%	-	-	-	-	-	-	2.75%	2.20%	-	-	-	-	-	-	2.20%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2033	16	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2032	17	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2031	18	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2030	19	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2029	20	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2028	21	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2027	22	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2026	23	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2025	24	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2024	25	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2023	26	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2022	27	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2021	28	0.00%	-	-	-	-	-	0.00%	0.00%	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	0.00%	9.14%	-	-	-	-	-	9.14%	-	0.00%	-	-	-	-	-	-	-
2020	29	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-	37.24%	-	-	-	-	-	37.24%	-	0.00%	-	-	-	-	-	-	-
2019	30	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-	25.10%	-	-	-	-	-	25.10%	-	0.00%	-	-	-	-	-	-	-
2018	31	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	-	0.00%	0.00%	-	-	-	-	-	0.00%	-	17.47%	-	-	-	-	-	17.47%	-	0.00%	-	-	-	-	-	-	-
2017	32	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	5.56%	-	-	-	-	-	5.56%	-	0.00%	-	-	-	-	-	-	-
2016	33	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	2.15%	-	-	-	-	-	2.15%	-	0.00%	-	-	-	-	-	-	-
2015	34	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	1.22%	-	-	-	-	-	1.22%	-	0.00%	-	-	-	-	-	-	-
2014	35	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.46%	-	-	-	-	-	0.46%	-	0.00%	-	-	-	-	-	-	-
2013	36	0.00%	-	-	-	-	-	0.00%	-	0.00%	-	-	-	-	-	0.00%	-	0.17%	-	-	-	-	-	0.17%	-	0.17%	-	-	-	-	-	0.17%	-	0.00%	-	-	-	-	-	-	-
2012	37	0.00%	-	-	-	-	0.00%	0.00%	-	0.00%	-	-	-	-	0.00%	-	-	0.05%	-	-	-	-	0.02%	0.03%	-	0.13%	-	-	-	-	0.05%	0.09%	-	0.00%	-	-	-	-	-	-	-
2011	38	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.13%	-	-	-	-	0.13%	-	-	0.00%	-	-	-	-	-	-	-
2010	39	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.24%	-	-	-	-	0.24%	-	-	0.00%	-	-	-	-	-	-	-
2009	40	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.10%	-	-	-	-	0.10%	-	-	0.00%	-	-	-	-	-	-	-
2008	41	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.11%	-	-	-	-	0.11%	-	-	0.00%	-	-	-	-	-	-	-
2007	42	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.00%	-	-	-	-	0.00%	-	-	0.04%	-	-	-	-	0.04%	-	-	0.00%	-	-	-	-	-	-	-
2006	43	0.00%	-	-	-	0.00%	0.00%	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	0.00%	-	-	0.04%	-	-	-	0.03%	0.01%	-	-	0.00%	-	-	-	-	-	-	-
2005	44	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.52%	-	-	-	0.52%	-	-	-	0.00%	-	-	-	-	-	-	-
2004	45	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.00%	-	-	-	0.18%	-	-	-	0.18%	-	-	-	0.00%	-	-	-	-	-	-	-
	Total	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.02%**	**0.20%**	**99.79%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.72%**	**0.67%**	**98.61%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**

Calculations of Composite Idling Emission Factors--Light Buses

Estimated Engine Type Distribution

Assessment Year : 2048

FirstRegYear	Age	Estimated engine type distribution PV5-LPG								Estimated engine type distribution PLB-Petrol								Estimated engine type distribution PV4-Petrol								Estimated engine type distribution PV5-Petrol							
		Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI	Population profile	pre-Euro with DOC	Euro I	Euro II	Euro III	Euro IV	Euro V	Euro VI
2048	1	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2047	2	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2046	3	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2045	4	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2044	5	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2043	6	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2042	7	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2041	8	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2040	9	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2039	10	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2038	11	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2037	12	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2036	13	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2035	14	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2034	15	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2033	16	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2032	17	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2031	18	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2030	19	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2029	20	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2028	21	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2027	22	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2026	23	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2025	24	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2024	25	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2023	26	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2022	27	0.00%	-	-	-	-	-	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	0.00%
2021	28	2.40%	-	-	-	-	-	2.40%	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	5.74%	-	-	-	-	-	0.01%	5.72%
2020	29	9.02%	-	-	-	-	-	9.02%	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	21.51%	-	-	-	-	-	21.51%	-
2019	30	8.60%	-	-	-	-	-	8.60%	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	20.51%	-	-	-	-	-	20.51%	-
2018	31	13.52%	-	-	-	-	-	13.52%	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	32.23%	-	-	-	-	-	32.23%	-
2017	32	9.65%	-	-	-	-	-	9.65%	-	0.0%	-	-	-	-	-	-	-	12.40%	-	-	-	-	-	12.40%	-	0.00%	-	-	-	-	-	-	-
2016	33	10.08%	-	-	-	-	-	10.08%	-	0.0%	-	-	-	-	-	-	-	12.74%	-	-	-	-	-	12.74%	-	0.00%	-	-	-	-	-	-	-
2015	34	9.58%	-	-	-	-	-	9.58%	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2014	35	6.75%	-	-	-	-	-	6.75%	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2013	36	4.63%	-	-	-	-	-	4.63%	-	0.0%	-	-	-	-	-	-	-	1.34%	-	-	-	-	-	1.34%	-	0.00%	-	-	-	-	-	-	-
2012	37	3.13%	-	-	-	-	0.84%	2.29%	-	0.0%	-	-	-	-	-	-	-	30.80%	-	-	-	-	13.59%	17.21%	-	0.00%	-	-	-	-	-	-	-
2011	38	2.78%	-	-	-	-	2.78%	-	-	0.0%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-	0.00%	-	-	-	-	-	-	-
2010	39	3.17%	-	-	-	-	3.17%	-	-	0.0%	-	-	-	-	-	-	-	0.52%	-	-	-	-	0.52%	-	-	0.00%	-	-	-	-	-	-	-
2009	40	3.06%	-	-	-	-	3.06%	-	-	0.0%	-	-	-	-	-	-	-	18.81%	-	-	-	-	18.81%	-	-	0.00%	-	-	-	-	-	-	-
2008	41	4.70%	-	-	-	-	4.70%	-	-	0.0%	-	-	-	-	-	-	-	9.60%	-	-	-	-	9.60%	-	-	6.12%	-	-	-	-	6.12%	-	-
2007	42	4.15%	-	-	-	-	4.15%	-	-	0.0%	-	-	-	-	-	-	-	3.28%	-	-	-	-	3.28%	-	-	0.00%	-	-	-	-	-	-	-
2006	43	1.97%	-	-	-	1.61%	0.36%	-	-	0.0%	-	-	-	-	-	-	-	1.09%	-	-	-	1.09%	-	-	-	13.89%	-	-	-	-	13.89%	-	-
2005	44	1.14%	-	-	-	1.14%	-	-	-	0.0%	-	-	-	-	-	-	-	6.04%	-	-	-	6.04%	-	-	-	0.00%	-	-	-	-	-	-	-
2004	45	1.67%	-	-	-	1.67%	-	-	-	0.0%	-	-	-	-	-	-	-	3.39%	-	-	-	3.39%	-	-	-	0.00%	-	-	-	-	-	-	-
	Total	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**4.43%**	**19.06%**	**76.51%**	**0.00%**	**0.0%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**10.52%**	**45.79%**	**43.69%**	**0.00%**	**100.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**20.01%**	**74.26%**	**5.72%**

Warm Idling

Summary of Engine Type Distribution (Year 2048)

Euro Standard	Estimated engine type distribution								
	PLB-Diesel	PV4-Diesel	PV5-Diesel	PLB-LPG	PV4-LPG	PV5-LPG	PLB-Petrol	PV4-Petrol	PV5-Petrol
pre-Euro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro II	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro III	0.00%	0.00%	0.00%	0.72%	0.00%	4.43%	0.00%	10.52%	0.00%
Euro IV	0.00%	0.00%	0.02%	0.67%	0.00%	19.06%	0.00%	45.79%	20.01%
Euro V	0.00%	0.00%	0.20%	98.61%	0.00%	76.51%	0.00%	43.69%	74.26%
Euro VI	100.00%	100.00%	99.79%	0.00%	0.00%	0.00%	0.00%	0.00%	5.72%
Total	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***0.00%***	***100.00%***	***0.00%***	***100.00%***	***100.00%***

Basic Idling Emission Factors

Euro Standard	Petrol		Diesel	
	NOx (g/h)	PM (g/h)	NOx (g/h)	PM (g/h)
pre-Euro	0.66	0.01	6.52	1.59
Euro I	1.69	0.01	5.88	0.63
Euro II	0.6	0.01	5.53	0.54
Euro III	0.34	0	4.12	0.1
Euro IV	0.17	0	3.62	0.16
Euro V	0.06	0	3.6	0.02
Euro VI	0.07	0	1.28	0.02

Source : Road tunnels: Vehicle emission and air demand for ventilation, PIARC, 2019

Composite Idling Emission Factors

Euro Standard	Composite Idling Emission Factors (g/h)																	
	PLB-Diesel		PV4-Diesel		PV5-Diesel		PLB-LPG		PV4-LPG		PV5-LPG		PLB-Petrol		PV4-Petrol		PV5-Petrol	
	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM
pre-Euro	0.000	0.000	0.000	0.000	0.000	0.000	-	0.000	-	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Euro I	0.000	0.000	0.000	0.000	0.000	0.000	-	0.000	-	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Euro II	0.000	0.000	0.000	0.000	0.000	0.000	-	0.000	-	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Euro III	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.004	0.000	0.000	0.036	0.000	0.000	0.000
Euro IV	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.030	0.000	0.000	0.078	0.000	0.034	0.000
Euro V	0.000	0.000	0.000	0.000	0.007	0.000	0.004	0.020	0.000	0.000	0.003	0.015	0.000	0.000	0.026	0.000	0.045	0.000
Euro VI	1.280	0.020	1.280	0.020	1.277	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000
Composite Emission Factors(g/h)	*1.280*	*0.02*	*1.280*	*0.02*	*1.285*	*0.02*	*0.004*	*0.02*	*0.000*	*0.00*	*0.004*	*0.05*	*0.000*	*0.000*	*0.140*	*0.000*	*0.083*	*0.00*
Composite Emission Factors (g/s)	***3.56E-04***	***5.56E-06***	***3.56E-04***	***5.56E-06***	***3.57E-04***	***5.56E-06***	***1.09E-06***	***5.98E-06***	***0.00E+00***	***0.00E+00***	***1.15E-06***	***1.40E-05***	***0.00E+00***	***0.00E+00***	***3.88E-05***	***0.00E+00***	***2.29E-05***	***0.00E+00***

NOx cold idling emission factors for are adopted as hot idling emission factors for LPG vehicles (Ref.: EIA for Revised Trunk Road T4 in Sha Tin (Register No.: AEIAR-231/2021))
PM idling emission factors for Diesel vehicles are adopted for LPG vehicles (Ref.: EIA for Revised Trunk Road T4 in Sha Tin (Register No.: AEIAR-231/2021))

Cold Idling for diesel vehicles with SCR

Summary of Engine Type Distribution (Year 2048)

Euro Standard	Estimated engine type distribution								
	PLB-Diesel	PV4-Diesel	PV5-Diesel	PLB-LPG	PV4-LPG	PV5-LPG	PLB-Petrol	PV4-Petrol	PV5-Petrol
pre-Euro	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro II	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euro III	0.00%	0.00%	0.00%	0.72%	0.00%	4.43%	0.00%	10.52%	0.00%
Euro IV	0.00%	0.00%	0.02%	0.67%	0.00%	19.06%	0.00%	45.79%	20.01%
Euro V	0.00%	0.00%	0.20%	98.61%	0.00%	76.51%	0.00%	43.69%	74.26%
Euro VI	100.00%	100.00%	99.79%	0.00%	0.00%	0.00%	0.00%	0.00%	5.72%
Total	***100.00%***	***100.00%***	***100.00%***	***100.00%***	***0.00%***	***100.00%***	***0.00%***	***100.00%***	***100.00%***

Basic Idling Emission Factors

Euro Standard	PLB-Diesel		PV4-Diesel		PV5-Diesel		PLB-LPG		PV4-LPG		PV5-LPG		PLB-Petrol		PV4-Petrol		PV5-Petrol	
	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)	NOx (g/s)	PM (g/s)
pre-Euro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro III	0.001	-	0.001	-	0.001	-	0.0092	-	0.0092	-	0.0092	-	-	-	-	-	-	-
Euro IV	0.001	-	0.001	-	0.001	-	0.0039	-	0.0039	-	0.0039	-	-	-	-	-	-	-
Euro V	0.001	-	0.001	-	0.001	-	0.0039	-	0.0039	-	0.0039	-	-	-	-	-	-	-
Euro VI	0.001	-	0.001	-	0.001	-	0.0039	-	0.0039	-	0.0039	-	-	-	-	-	-	-

Source : EPD Technical Note on "Calculation of Start Emissions in Air Quality Impact Assessment" (https://www.epd.gov.hk/epd/sites/default/files/epd/Technical_Note_on_Calculation_of_Start_Emissions_in_Air_Quality_Impact_Assessment.pdf.)
For Euro III, Euro IV and Euro V of PLB-Diesel, no emission factor has been provided, emission factor for warm idling is adopted. (Ref.: EIA for Revised Trunk Road T4 in Sha Tin (Register No.: AEIAR-231/2021))
For Euro III, Euro IV and Euro V of PV5-Diesel, no emission factor has been provided, , emission factor for warm idling is adopted. (Ref.: EIA for Revised Trunk Road T4 in Sha Tin (Register No.: AEIAR-231/2021))
For PV4-Diesel, no emission factor has been provided, emission factor is assumed the same as PV5-Diesel for conservative assessments.
For PV4-LPG and PV5-LPG, no emission factor has been provided, emission factor is assumed the same as PLB-LPG for conservative assessments.

Composite Idling Emission Factors

Euro Standard	Composite Idling Emission Factors (g/s)																	
	PLB-Diesel		PV4-Diesel		PV5-Diesel		PLB-LPG		PV4-LPG		PV5-LPG		PLB-Petrol		PV4-Petrol		PV5-Petrol	
	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM	NOx	PM
pre-Euro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Euro III	0.00E+00	-	0.00E+00	-	0.00E+00	-	6.63E-05	-	0.00E+00	-	4.08E-04	-	-	-	-	-	-	-
Euro IV	2.74E-11	-	0.00E+00	-	1.66E-07	-	2.63E-05	-	0.00E+00	-	7.43E-04	-	-	-	-	-	-	-
Euro V	3.05E-10	-	3.45E-08	-	1.98E-06	-	3.85E-03	-	0.00E+00	-	2.98E-03	-	-	-	-	-	-	-
Euro VI	1.00E-03	-	1.00E-03	-	9.98E-04	-	0.00E+00	-	0.00E+00	-	0.00E+00	-	-	-	-	-	-	-
Composite Emission Factors(g/s)	***1.00E-03***	***-***	***1.00E-03***	***-***	***1.00E-03***	***-***	***3.94E-03***	***-***	***0.00E+00***	***-***	***4.13E-03***	***-***	***0.00E+00***	***-***	***0.00E+00***	***-***	***0.00E+00***	***-***

Annex - 2

Source Locations for PTIs and HGV/
Coach Parking
(Lam Tei Area)

HCP02b

Routing (m)	
Starting inside PTI/Carpark	80
Access Road	120
Running inside PTI/Carpark	170

Route A
(2033: 56%
2048: 59%)

Route B
(2033: 11%
2048: 12%)

Route C
(2033: 33%
2048: 29%)

N

0 25 50 100 150 200 Meters

Note: The longest routing within the parking sites is assumed as a conservative approach for running / start emission calculation.

Legend
- Locations of Emission Sources
- Proposed Alignment
- Proposed Alignment (Tunnel)
- 500m Assessment Area

HCP04

Routing (m)	
Starting inside PTI/Carpark	150
Access Road	40
Running inside PTI/Carpark	265

TSOI YUEN TSUEN

Route C
(2033, 2048: 50%)

HCP04_C16
HCP04_C15
HCP04_C14
HCP04_C13
HCP04_C12
HCP04_C11
HCP04_C10
HCP04_C09
HCP04_C08
HCP04_C07
HCP04_C06
HCP04_C05
HCP04_C04

HCP04_01

HCP04_AC02
HCP04_A02
HCP04_B02
HCP04_C02
HCP04_AC01
HCP04_A01
HCP04_B01
HCP04_C01
HCP04_AC03
HCP04_A03
HCP04_B03
HCP04_C03
HCP04_A04
HCP04_B04
HCP04_A05
HCP04_B05
HCP04_A06
HCP04_B06
HCP04_A07
HCP04_B07
HCP04_A08
HCP04_B08
HCP04_A09
HCP04_B09
HCP04_A10
HCP04_B10
HCP04_A11
HCP04_B11
HCP04_A12
HCP04_B12
HCP04_A13
HCP04_A14
HCP04_A15
HCP04_A16
HCP04_A17
HCP04_A18
HCP04_A19
HCP04_B13
HCP04_B14
HCP04_B15
HCP04_B16
HCP04_B17
HCP04_B18
HCP04_B19
HCP04_B20

N

Yahoo Court

Open Storage

Botania Villa

FUK HANG TSUEN

Route A
(2033, 2048: 33%)

Route B
(2033, 2048: 17%)

Note: The longest routing within the parking sites is assumed as a conservative approach for running / start emission calculation.

0 25 50 100 150 200 Meters

Legend

- Locations of Emission Sources
- Proposed Alignment
- Proposed Alignment (Tunnel)
- 500m Assessment Area

HCP09

Routing (m)	
Starting inside PTI/Carpark	100
Running inside PTI/Carpark	215

N

Route A
(2033, 2048: 56%)

Route B
(2033, 2048: 22%)

Route C
(2033, 2048: 22%)

HCP09_A13
HCP09_A12
HCP09_A11
HCP09_A10
HCP09_A09
HCP09_A08
HCP09_A07
HCP09_A06
HCP09_A05
HCP09_A04
HCP09_A03
HCP09_A02
HCP09_A01
HCP09_B17
HCP09_B16
HCP09_B15
HCP09_B14
HCP09_B13
HCP09_B12
HCP09_B11
HCP09_B10
HCP09_B09
HCP09_B08
HCP09_B07
HCP09_B06
HCP09_B05
HCP09_B04
HCP09_B03
HCP09_B02
HCP09_B01
HCP09_C14
HCP09_C13
HCP09_C12
HCP09_C11
HCP09_C10
HCP09_C09
HCP09_C08
HCP09_C07
HCP09_C06
HCP09_C05
HCP09_C04
HCP09_C03
HCP09_C02
HCP09_C01
HCP09_01

Playground
Hang Tsuen Road Garden
The Sherwood
Playground
LAM TEI
Botania Villa
Garden
Wing Hei Garden
FUK HANG TSUEN
Yahoo
Open

Note: The longest routing within the parking sites is assumed as a conservative approach for running / start emission calculation.

0 25 50 100 150 200 Meters

Legend

- Locations of Emission Sources
- Proposed Alignment
- Proposed Alignment (Tunnel)
- 500m Assessment Area

HCP11

Routing (m)	
Starting inside PTI/Carpark	175
Access Road	85
Running inside PTI/Carpark	320

Route A (2033: 2%, 2048: 1.1%)

Route B (2033: 2%, 2048: 0.6%)

Route C (2033: 1%, 2048: 0.6%)

Route D (2033: 50%, 2048: 50%)

Route E (2033: 45%, 2048: 47.7%)

TO YUEN WAI

Grand Park

FU TEI HA TSUEN SEWAGE PUMPING STATION

LO FU HANG

Fu Tai BBQ Land

FU TAI ESTATE

Playground

Playground

Playground

FU TEI HA TSUEN

Lingnan University Multi Purpose Outdoor Sports Ground

South Hillcrest

HCP11_C26, HCP11_C25, HCP11_C24, HCP11_A23, HCP11_C23, HCP11_B23, HCP11_A22, HCP11_B22, HCP11_C22, HCP11_A24, HCP11_B24, HCP11_A25, HCP11_B25, HCP11_B26, HCP11_A26, HCP11_B27, HCP11_A21, HCP11_B21, HCP11_C21, HCP11_A20, HCP11_B20, HCP11_C20, HCP11_A19, HCP11_B19, HCP11_C19, HCP11_A18, HCP11_B18, HCP11_C18, HCP11_A17, HCP11_B17, HCP11_C17, HCP11_A16, HCP11_B16, HCP11_C16, HCP11_A14, HCP11_B14, HCP11_C14, HCP11_E14, HCP11_A13, HCP11_B13, HCP11_C13, HCP11_E13, HCP11_A15, HCP11_B15, HCP11_C15, HCP11_E15, HCP11_A09, HCP11_B09, HCP11_C09, HCP11_E09, HCP11_A08, HCP11_B08, HCP11_C08, HCP11_E08, HCP11_A07, HCP11_B07, HCP11_C07, HCP11_E07, HCP11_A06, HCP11_B06, HCP11_C06, HCP11_E06, HCP11_A10, HCP11_B10, HCP11_C10, HCP11_E10, HCP11_A12, HCP11_B12, HCP11_C12, HCP11_E12, HCP11_A11, HCP11_B11, HCP11_C11, HCP11_E11, HCP11_A05, HCP11_B05, HCP11_C05, HCP11_D05, HCP11_E05, HCP11_A04, HCP11_B04, HCP11_C04, HCP11_D04, HCP11_E04, HCP11_AC03, HCP11_A03, HCP11_B03, HCP11_C03, HCP11_D03, HCP11_E03, HCP11_AC02, HCP11_A02, HCP11_B02, HCP11_C02, HCP11_D02, HCP11_E02, HCP11_D06, HCP11_D07, HCP11_D08, HCP11_D09, HCP11_D10, HCP11_D11, HCP11_D12, HCP11_D13, HCP11_D14, HCP11_D15, HCP11_D16, HCP11_AC01, HCP11_A01, HCP11_B01, HCP11_C01, HCP11_D01, HCP11_E01, HCP11_01, HCP11_E16, HCP11_E17, HCP11_E18, HCP11_E19

0 20 40 80 120 160 Meters

Note: The longest routing within the parking sites is assumed as a conservative approach for running / start emission calculation.

Legend

- Locations of Emission Sources
- Proposed Alignment
- Proposed Alignment (Tunnel)
- 500m Assessment Area

N

PTI05 - Bus

Routing (m)	FBDD/ FBSD	PLB
Starting inside PTI/ Carpark	320	55
Running inside PTI/ Carpark	650	110
Idling time (min)		
Bypass	0.5	0.5
Terminating	2	2

N

Planned PTI

PTI05_IO01
PTI05_A01
PTI05_A02
PTI05_IO02
PTI05_A03
PTI05_A04
PTI05_A05
PTI05_A06
PTI05_A07
PTI05_A08

Note: The routes within the PTI for running / start emission calculation is based on tentative layout plan provided by CEDD.

0 15 30 60 90 120 Meters

Legend

- Planned Development with PTI
- Location of Emission Sources
- 500m Assessment Area
- R11 Proposed Alignment
- R11 Proposed Alignment (Tunnel)

PTI05 - PLB (Diesel)

Routing (m)	FBDD/ FBSD	PLB
Starting inside PTI/ Carpark	320	55
Running inside PTI/ Carpark	650	110
Idling time (min)		
Bypass	0.5	0.5
Terminating	2	2

PTI05_D_A15
PTI05_D_A16
PTI05_D_A14
PTI05_D_A13
PTI05_D_A12
PTI05_D_A11
PTI05_D_A10
PTI05_D_A09
PTI05_D_A08
PTI05_D_A07
PTI05_D_A06
PTI05_D_A05
PTI05_D_A04
PTI05_D_A03
PTI05_D_A02
PTI05_D_IO02
PTI05_D_IO01
PTI05_D_A01

Planned PTI

Note: The routes within the PTI for running / start emission calculation is based on tentative layout plan provided by CEDD.

0 15 30 60 90 120 Meters

Legend

- Planned Development with PTI
- Location of Emission Sources
- 500m Assessment Area
- R11 Proposed Alignment
- R11 Proposed Alignment (Tunnel)

PTI05 - PLB (LPG)

Routing (m)	FBDD/ FBSD	PLB
Starting inside PTI/ Carpark	320	55
Running inside PTI/ Carpark	650	110
Idling time (min)		
Bypass	0.5	0.5
Terminating	2	2

N

PTI05_L_IO01
PTI05_L_A01
Planned PTI
PTI05_L_A02
PTI05_L_IO02
PTI05_L_A03

Legend

- Planned Development with PTI
- Location of Emission Sources
- 500m Assessment Area
- R11 Proposed Alignment
- R11 Proposed Alignment (Tunnel)

Note: The routes within the PTI for running / start emission calculation is based on tentative layout plan provided by CEDD.

0 15 30 60 90 120 Meters

PTI06 - Bus

Routing (m)	FBDD/ FBSD	PLB
Starting inside PTI/ Carpark	310	65
Running inside PTI/ Carpark	600	130
Idling time (min)		
Bypass	0.5	0.5
Terminating	2	2

PTI06_A08
PTI06_A07
PTI06_A06
PTI06_A05
PTI06_A04
PTI06_A03
PTI06_A02
PTI06_A01
PTI06_IO01
PTI06_IO02
Planned PTI

Note: The routes within the PTI for running / start emission calculation is based on tentative layout plan provided by CEDD.

0 25 50 100 150 200 Meters

Legend
- Planned Development with PTI
- Location of Emission Sources
- 500m Assessment Area
- R11 Proposed Alignment
- R11 Proposed Alignment (Tunnel)

PTI06 - PLB (Diesel)

Route B
(2033, 2048: 80%)

Route A
(2033, 2048: 20%)

Routing (m)	FBDD/ FBSD	PLB
Starting inside PTI/ Carpark	310	65
Running inside PTI/ Carpark	600	130
Idling time (min)		
Bypass	0.5	0.5
Terminating	2	2

PTI06_D_B12
PTI06_D_B11
PTI06_D_A10
PTI06_D_A11
PTI06_D_B10
PTI06_D_A12
PTI06_D_A09
PTI06_D_B09
PTI06_D_A08
PTI06_D_B08
PTI06_D_A07
PTI06_D_B07
PTI06_D_A06
PTI06_D_B06
PTI06_D_A05
PTI06_D_B05
PTI06_D_B04
PTI06_D_A04
PTI06_D_B03
PTI06_D_A03
PTI06_D_B02
PTI06_D_A02
PTI06_D_B01
PTI06_D_A01
PTI06_D_IO01
PTI06_D_IO02

Planned PTI

Note: The routes within the PTI for running / start emission calculation is based on tentative layout plan provided by CEDD.

0 25 50 100 150 200 Meters

Legend

- Planned Development with PTI
- Location of Emission Sources
- 500m Assessment Area
- R11 Proposed Alignment
- R11 Proposed Alignment (Tunnel)

PTI06 - PLB (LPG)

Routing (m)	FBDD/ FBSD	PLB
Starting inside PTI/ Carpark	310	65
Running inside PTI/ Carpark	600	130
Idling time (min)		
Bypass	0.5	0.5
Terminating	2	2

N

PTI06_L_A03
PTI06_L_A02
PTI06_L_A01
PTI06_L_IO01
PTI06_L_IO02

Planned PTI

Note: The routes within the PTI for running / start emission calculation is based on tentative layout plan provided by CEDD.

0 25 50 100 150 200 Meters

Legend

- Planned Development with PTI
- Location of Emission Sources
- 500m Assessment Area
- R11 Proposed Alignment
- R11 Proposed Alignment (Tunnel)

Annex – 3

Emission Inventory for PTIs and
HGV/ Coach Parking
(Lam Tei Area, Year 2033)

HCP02b

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	80	11%	Bypass route	0
Starting on Public Road	500	71%	Running inside PTI/ Carpark [1]	170
Access Road - Arrival	120	17%		
Access Road - Departure	120			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1							1	1											
1	2							1	1											
2	3							1	1											
3	4							1	1											
4	5							1	1											
5	6							1	1											
6	7							1	1											
7	8																			2
8	9																			3
9	10						1		1											1
10	11						1		1											1
11	12						1		1											1
12	13						1		1											1
13	14						1		1											1
14	15						1		1											1
15	16						1		1											1
16	17						1		1											1
17	18							1												
18	19							1												
19	20							1	1											1
20	21							1	1											
21	22							1	1											
22	23							1	1											
23	0							1	1											

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
2	7	24	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
3	7	24	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
4	6	25	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
5	6	26	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
6	7	26	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
7	6	26	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
8	7	26	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
9	7	23	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
10	8	22	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
11	8	22	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
12	8	16	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
13	9	19	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
14	8	18	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
15	8	19	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
16	8	20	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
17	8	22	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
18	8	22	0.00E+00	0.00E+00	4.63E-06	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	6.01E-06	0.00E+00
19	8	25	0.00E+00	0.00E+00	4.63E-06	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	6.01E-06	0.00E+00
20	8	26	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.96E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05	0.00E+00	1.80E-05	0.00E+00
21	8	27	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
22	8	26	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
23	8	30	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00
24	8	29	0.00E+00	0.00E+00	9.26E-06	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	8.51E-06	0.00E+00	1.20E-05	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

				Line Source				Area/Polyarea/Line																												
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	Route A	HCP02b_A01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A15	LINE	816207.3	831380.2	816165.1	831336.4	11	7.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A16	LINE	816165.1	831336.4	816150.6	831326.1	11	7.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A17	LINE	816150.6	831326.1	816124.4	831310.1	11	7.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A18	LINE	816124.4	831310.1	816068.1	831280.9	11	7.2	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP02b	Route B	HCP02b_B01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B15	LINE	816207.3	831380.2	816196.7	831384.6	10	8.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B16	LINE	816196.7	831384.6	816154.4	831424.5	10	8.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B17	LINE	816154.4	831424.5	816130.4	831449.5	10	8.9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B18	LINE	816130.4	831449.5	816085.7	831483.5	10	10.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B19	LINE	816085.7	831483.5	816077.8	831492.7	10	12.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP02b	Route C	HCP02b_C01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C08	LINE	816470.4	831447.8	816485.7	831439.3	11.5	8.6	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C09	LINE	816485.7	831439.3	816506.5	831437	11.5	8.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C10	LINE	816506.5	831437	816513.9	831430.8	11.5	8.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C11	LINE	816513.9	831430.8	816523.8	831431.2	11.5	8.9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C12	LINE	816523.8	831431.2	816577.7	831491.7	11.5	9.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C13	LINE	816577.7	831491.7	816631.5	831552.2	11.5	10.4	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C14	LINE	816631.5	831552.2	816685.4	831612.6	11.5	10.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C15	LINE	816685.4	831612.6	816739.2	831673.1	11.5	11.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C16	LINE	816739.2	831673.1	816793.1	831733.6	11.5	11.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C17	LINE	816793.1	831733.6	816798.3	831739.5	12	12.2	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP02b	Access road	HCP02b_AC01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	100%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	5.47E-09	5.47E-09	1.64E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP02b_AC02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	100%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	5.47E-09	5.47E-09	1.64E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP02b_AC03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	100%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	5.47E-09	5.47E-09	1.64E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP02b_AC04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	100%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	5.47E-09	5.47E-09	1.64E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP02b_AC05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	100%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	5.47E-09	5.47E-09	1.64E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP02b_AC06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	100%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	1.64E-08	5.47E-09	5.47E-09	1.64E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Carpark near Tung Lei Path**	HCP02b_01	AREAPOLY	816541.6	831588.5	9.2	3.9	1881.4	816541.6 831588.5 816533.2 831574.6 816527.0 831577.9 816535.1 831593.1 816508.2 831612.2 816516.1 831626.5 816537.0 831623.9 816543.0 831637.1 816573.8 831613.6 816563.9 831598.8 816569.5 831594.5 816551.7 831593.1 816541.6 831588.5	13	3.64	4.92E-09	4.92E-09	4.92E-09	4.92E-09	4.92E-09	4.92E-09	4.92E-09	4.92E-09	7.38E-09	7.38E-09	7.38E-09	7.38E-09	7.38E-09	7.38E-09	7.38E-09	7.38E-09	7.38E-09	2.46E-09	2.46E-09	7.38E-09	4.92E-09	4.92E-09	4.92E-09	4.92E-09

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

Line Source | Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	Route A	HCP02b_A01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A15	LINE	816207.3	831380.2	816165.1	831336.4	11	7.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A16	LINE	816165.1	831336.4	816150.6	831326.1	11	7.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A17	LINE	816150.6	831326.1	816124.4	831310.1	11	7.6	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_A18	LINE	816124.4	831310.1	816068.1	831280.9	11	7.2	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP02b	Route B	HCP02b_B01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B15	LINE	816207.3	831380.2	816196.7	831384.6	10	8.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B16	LINE	816196.7	831384.6	816154.4	831424.5	10	8.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B17	LINE	816154.4	831424.5	816130.4	831449.5	10	8.9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B18	LINE	816130.4	831449.5	816085.7	831483.5	10	10.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_B19	LINE	816085.7	831483.5	816077.8	831492.7	10	12.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP02b	Route C	HCP02b_C01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C08	LINE	816470.4	831447.8	816485.7	831439.3	11.5	8.6	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C09	LINE	816485.7	831439.3	816506.5	831437	11.5	8.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C10	LINE	816506.5	831437	816513.9	831430.8	11.5	8.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C11	LINE	816513.9	831430.8	816523.8	831431.2	11.5	8.9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C12	LINE	816523.8	831431.2	816577.7	831491.7	11.5	9.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C13	LINE	816577.7	831491.7	816631.5	831552.2	11.5	10.4	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C14	LINE	816631.5	831552.2	816685.4	831612.6	11.5	10.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C15	LINE	816685.4	831612.6	816739.2	831673.1	11.5	11.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C16	LINE	816739.2	831673.1	816793.1	831733.6	11.5	11.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP02b_C17	LINE	816793.1	831733.6	816798.3	831739.5	12	12.2	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP02b	Access road	HCP02b_AC01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	100%	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	5.03E-09	5.03E-09	1.51E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08
		HCP02b_AC02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	100%	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	5.03E-09	5.03E-09	1.51E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08
		HCP02b_AC03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	100%	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	5.03E-09	5.03E-09	1.51E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08
		HCP02b_AC04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	100%	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	5.03E-09	5.03E-09	1.51E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08
		HCP02b_AC05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	100%	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	5.03E-09	5.03E-09	1.51E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08
		HCP02b_AC06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	100%	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	1.51E-08	5.03E-09	5.03E-09	1.51E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Carpark near Tung Lei Path**	HCP02b_01	AREAPOLY	816541.6	831588.5	9.2	3.9	1881.4	816541.6 831588.5 816533.2 831574.6 816527.0 831577.9 816535.1 831593.1 816508.2 831612.2 816516.1 831626.5 816537.0 831623.9 816543.0 831637.1 816573.8 831613.6 816563.9 831598.8 816569.5 831594.5 816551.7 831593.1 816541.6 831588.5	13	3.64	4.52E-09	4.52E-09	4.52E-09	4.52E-09	4.52E-09	4.52E-09	4.52E-09	4.52E-09	6.78E-09	6.78E-09	6.78E-09	6.78E-09	6.78E-09	6.78E-09	6.78E-09	6.78E-09	6.78E-09	2.26E-09	2.26E-09	6.78E-09	4.52E-09	4.52E-09	4.52E-09	4.52E-09

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP04

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

INDEX

Vehicle Type: NFB6 11 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			2
8	9																			
9	10																			1
10	11																			
11	12																			1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	1.02E-05	0.00E+00	3.09E-06	0.00E+00	0.00E+00	0.00E+00	9.42E-06	0.00E+00	2.84E-06	0.00E+00
9	7	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	5.12E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	1.42E-06	0.00E+00
11	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	5.12E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	1.42E-06	0.00E+00
13	9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	5.12E-06	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	4.71E-06	0.00E+00	1.42E-06	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: NFB7 12 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			
9	10																			1
10	11																			
11	12																			1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	3.31E-06	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	9.18E-07	0.00E+00
9	7	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	3.31E-06	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	9.18E-07	0.00E+00
11	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	3.31E-06	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	9.18E-07	0.00E+00
13	9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	3.31E-06	0.00E+00	9.98E-07	0.00E+00	0.00E+00	0.00E+00	3.04E-06	0.00E+00	9.18E-07	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			1
1	2																			1
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																	2		6
8	9																			
9	10																			3
10	11								2											
11	12																			3
12	13																			2
13	14																			2
14	15																			
15	16		2																	
16	17		2																	3
17	18			1						1										2
18	19									1					1	1		1		2
19	20		2						1	1							1			
20	21							1											1	3
21	22																			1
22	23																			1
23	0																			1

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	7.21E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	2.00E-06	0.00E+00
2	7	24	0.00E+00	0.00E+00	7.21E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	2.00E-06	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	5.77E-05	0.00E+00	1.74E-05	0.00E+00	0.00E+00	0.00E+00	5.31E-05	0.00E+00	1.60E-05	0.00E+00
9	7	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	2.16E-05	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	6.01E-06	0.00E+00
11	8	22	0.00E+00	0.00E+00	1.44E-05	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	4.00E-06	0.00E+00
12	8	16	0.00E+00	0.00E+00	2.16E-05	0.00E+00	6.53E-06	0.00E+00	0.00E+00	0.00E+00	1.99E-05	0.00E+00	6.01E-06	0.00E+00
13	9	19	0.00E+00	0.00E+00	1.44E-05	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	4.00E-06	0.00E+00
14	8	18	0.00E+00	0.00E+00	1.44E-05	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	4.00E-06	0.00E+00
15	8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	1.44E-05	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	4.00E-06	0.00E+00
17	8	22	0.00E+00	0.00E+00	3.61E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	1.00E-05	0.00E+00
18	8	22	0.00E+00	0.00E+00	2.89E-05	0.00E+00	8.71E-06	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00	8.01E-06	0.00E+00
19	8	25	0.00E+00	0.00E+00	4.33E-05	0.00E+00	1.31E-05	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	1.20E-05	0.00E+00
20	8	26	0.00E+00	0.00E+00	3.61E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	1.00E-05	0.00E+00
21	8	27	0.00E+00	0.00E+00	3.61E-05	0.00E+00	1.09E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	1.00E-05	0.00E+00
22	8	26	0.00E+00	0.00E+00	7.21E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	2.00E-06	0.00E+00
23	8	30	0.00E+00	0.00E+00	7.21E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	2.00E-06	0.00E+00
24	8	29	0.00E+00	0.00E+00	7.21E-06	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	6.63E-06	0.00E+00	2.00E-06	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: HGV8 7

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9																			
9	10																			
10	11																			
11	12		2																	
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	1.04E-05	0.00E+00	3.15E-06	0.00E+00	0.00E+00	0.00E+00	9.58E-06	0.00E+00	2.89E-06	0.00E+00
13	9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

Line Source Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Route A**	HCP04_A01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A12	LINE	816981.8	830867.6	816894.1	830841.8	10.5	18.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A13	LINE	816894.1	830841.8	816860.5	830839.5	10.5	17.5	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A14	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A15	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A16	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A17	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A18	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A19	LINE	816730.7	830931.1	816728.4	830938.4	11.5	14.5	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP04	**Route B**	HCP04_B01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B12	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B13	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B14	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B15	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B16	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B17	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B18	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B19	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B20	LINE	817192.7	830846.5	817201.6	830855.3	11	26	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP04	**Route C**	HCP04_C01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C04	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C05	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C06	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C07	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C08	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C09	LINE	817283.8	831147.5	817303.4	831215.8	9.5	23.7	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C10	LINE	817303.4	831215.8	817314.5	831263.3	9.5	21.5	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C11	LINE	817314.5	831263.3	817315.4	831270.2	9.5	20.5	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C12	LINE	817315.4	831270.2	817311.5	831279.5	9.5	21.2	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C13	LINE	817311.5	831279.5	817295.9	831298.6	9.5	21.6	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C14	LINE	817295.9	831298.6	817320.2	831324.1	9.5	21.5	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C15	LINE	817320.2	831324.1	817346.8	831355.1	9.5	20.9	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C16	LINE	817346.8	831355.1	817365.2	831378.6	9.5	20.2	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP04	**Access road**	HCP04_AC01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	100%	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	0.00E+00	2.30E-08	1.10E-08	3.09E-08	1.10E-08	1.10E-08	0.00E+00	1.10E-08	3.40E-08	2.20E-08	3.31E-08	2.76E-08	2.76E-08	5.51E-09	5.51E-09	5.51E-09
		HCP04_AC02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	100%	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	0.00E+00	2.30E-08	1.10E-08	3.09E-08	1.10E-08	1.10E-08	0.00E+00	1.10E-08	3.40E-08	2.20E-08	3.31E-08	2.76E-08	2.76E-08	5.51E-09	5.51E-09	5.51E-09
		HCP04_AC03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	100%	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-08	0.00E+00	2.30E-08	1.10E-08	3.09E-08	1.10E-08	1.10E-08	0.00E+00	1.10E-08	3.40E-08	2.20E-08	3.31E-08	2.76E-08	2.76E-08	5.51E-09	5.51E-09	5.51E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Carpark near Tat Fuk Road**	HCP04_01	AREAPOLY	817041.1	831045.1	18.5	3.5	5137.6	817041.1 831045.1 817047.2 831048.9 817065.6 831041.3 817075.9 831035.3 817079.1 831039.5 817091.8 831034.2 817110.4 831051.2 817117.5 831047.2 817123.1 831052.2 817132.1 831039.9 817127.1 831035.0 817132.1 831027.7 817130.9 831026.1 817130.8 831021.3 817117.3 830993.0 817136.7 830978.7 817123.9 830968.9 817120.4 830962.1 817111.6 830964.1 817110.8 830974.9 817099.6 830975.0 817052.5 830993.6 817043.0 831030.6 817041.1 831045.1	24	3.26	1.40E-09	1.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-08	0.00E+00	5.85E-09	2.81E-09	7.88E-09	2.81E-09	2.81E-09	0.00E+00	2.81E-09	8.66E-09	5.62E-09	8.42E-09	7.02E-09	7.02E-09	1.40E-09	1.40E-09	1.40E-09

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

						Line Source					Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Route A**	HCP04_A01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A12	LINE	816981.8	830867.6	816894.1	830841.8	10.5	18.3	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A13	LINE	816894.1	830841.8	816860.5	830839.5	10.5	17.5	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A14	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A15	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A16	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A17	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A18	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_A19	LINE	816730.7	830931.1	816728.4	830938.4	11.5	14.5	1.7	1.58	33%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP04	**Route B**	HCP04_B01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B12	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B13	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B14	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B15	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B16	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B17	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B18	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B19	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_B20	LINE	817192.7	830846.5	817201.6	830855.3	11	26	1.7	1.58	17%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP04	**Route C**	HCP04_C01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C04	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C05	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C06	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C07	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C08	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C09	LINE	817283.8	831147.5	817303.4	831215.8	9.5	23.7	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C10	LINE	817303.4	831215.8	817314.5	831263.3	9.5	21.5	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C11	LINE	817314.5	831263.3	817315.4	831270.2	9.5	20.5	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C12	LINE	817315.4	831270.2	817311.5	831279.5	9.5	21.2	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C13	LINE	817311.5	831279.5	817295.9	831298.6	9.5	21.6	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C14	LINE	817295.9	831298.6	817320.2	831324.1	9.5	21.5	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C15	LINE	817320.2	831324.1	817346.8	831355.1	9.5	20.9	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP04_C16	LINE	817346.8	831355.1	817365.2	831378.6	9.5	20.2	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP04	**Access road**	HCP04_AC01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	100%	5.07E-09	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-08	0.00E+00	2.11E-08	1.01E-08	2.84E-08	1.01E-08	1.01E-08	0.00E+00	1.01E-08	3.13E-08	2.03E-08	3.04E-08	2.53E-08	2.53E-08	5.07E-09	5.07E-09	5.07E-09
		HCP04_AC02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	100%	5.07E-09	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-08	0.00E+00	2.11E-08	1.01E-08	2.84E-08	1.01E-08	1.01E-08	0.00E+00	1.01E-08	3.13E-08	2.03E-08	3.04E-08	2.53E-08	2.53E-08	5.07E-09	5.07E-09	5.07E-09
		HCP04_AC03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	100%	5.07E-09	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-08	0.00E+00	2.11E-08	1.01E-08	2.84E-08	1.01E-08	1.01E-08	0.00E+00	1.01E-08	3.13E-08	2.03E-08	3.04E-08	2.53E-08	2.53E-08	5.07E-09	5.07E-09	5.07E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Carpark near Tat Fuk Road**	HCP04_01	AREAPOLY	817041.1	831045.1	18.5	3.5	5137.6	817041.1 831045.1 817047.2 831048.9 817065.6 831041.3 817075.9 831035.3 817079.1 831039.5 817091.8 831034.2 817110.4 831051.2 817117.5 831047.2 817123.1 831052.2 817132.1 831039.9 817127.1 831035.0 817132.1 831027.7 817130.9 831026.1 817130.8 831021.3 817117.3 830993.0 817136.7 830978.7 817123.9 830968.9 817120.4 830962.1 817111.6 830964.1 817110.8 830974.9 817099.6 830975.0 817052.5 830993.6 817043.0 831030.6 817041.1 831045.1	24	3.26	1.29E-09	1.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	0.00E+00	5.38E-09	2.58E-09	7.25E-09	2.58E-09	2.58E-09	0.00E+00	2.58E-09	7.96E-09	5.16E-09	7.75E-09	6.45E-09	6.45E-09	1.29E-09	1.29E-09	1.29E-09

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP09

Routing (m)				
Starting inside PTI/ Carpark [1]	100	14%	Bypass route	0
Starting on Public Road	600	86%	Running inside PTI/ Carpark [1]	215
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

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Vehicle Type: NFB8 13 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1							1	1											
1	2							1	1											
2	3							1	1											
3	4							1	1											
4	5							1	1											
5	6							1	1											
6	7							1	1											
7	8																			2
8	9																			2
9	10						1		1											1
10	11						1		1											1
11	12						1		1											1
12	13						1		1											1
13	14						1		1											1
14	15						1		1											1
15	16						1		1											1
16	17						1		1											1
17	18							1												
18	19							1												
19	20							1	1											
20	21							1	1											
21	22							1	1											
22	23							1	1											
23	0							1	1											

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-06	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: HGV8 7 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			2
9	10				1	1														1
10	11				1	1														1
11	12				1	1														1
12	13				1	1														1
13	14				1	1														1
14	15				1	1														1
15	16				1	1														1
16	17				1	1														1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-06	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	0.00E+00	8.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-06	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: HGV9 17

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			5
8	9																			7
9	10		1		1	2	2	2	1											
10	11		1		1	2	2	2	1											
11	12		1		1	2	2	2	1											
12	13		1		1	2	2	2	1											
13	14		1		1	2	2	2	1											
14	15		1		1	2	2	2	1											
15	16		1		1	2	2	2	1											
16	17		1		1	2	2	2	1											
17	18		2						1											
18	19		2						1											
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	0.00E+00	2.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

					Line Source					Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	Route A	HCP09_A01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A02	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A03	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A04	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A05	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A06	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A07	LINE	816730.7	830931.1	816702	831025	11.5	14.5	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A08	LINE	816702	831025	816673	831117.7	11	13.3	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A09	LINE	816673	831117.7	816643.9	831210.5	11	11.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A10	LINE	816643.9	831210.5	816637	831227.1	11	11.4	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A11	LINE	816637	831227.1	816624.6	831246.7	11	11.2	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A12	LINE	816624.6	831246.7	816604.1	831268.8	11	10.8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A13	LINE	816604.1	831268.8	816558.4	831308.7	11	10.3	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP09	Route B	HCP09_B01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B04	LINE	816981.8	830867.6	817004.4	830874.4	12	19.7	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B05	LINE	817004.4	830874.4	817021.6	830876	12	20.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B06	LINE	817021.6	830876	817038.1	830873.9	12	20.9	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B07	LINE	817038.1	830873.9	817054.9	830868.6	12	20.8	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B08	LINE	817054.9	830868.6	817067.6	830867.1	12	20.6	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B09	LINE	817067.6	830867.1	817087.2	830879.8	9.5	20.4	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B10	LINE	817087.2	830879.8	817116.4	830910.4	9.5	20.7	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B11	LINE	817116.4	830910.4	817157.2	830948.3	9.5	21.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B12	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B13	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B14	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B15	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B16	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B17	LINE	817283.8	831147.5	817288.3	831163.2	9.5	23.7	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP09	Route C	HCP09_C01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C04	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C05	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C06	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C07	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C08	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C09	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C10	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C11	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C12	LINE	817192.7	830846.5	817210.3	830864	11	26	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C13	LINE	817210.3	830864	817255.2	830916.2	11	27	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C14	LINE	817255.2	830916.2	817310.9	830981.5	9.5	28.9	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	**Carpark near To Lai Road**	HCP09_01	AREAPOLY	816806.1	830848.6	16.1	3.4	3346.8	816806.1 830848.6 816861.9 830832.3 816862.7 830816.6 816856.9 830807.7 816857.0 830801.1 816855.4 830794.4 816846.7 830793.5 816846.1 830788.7 816842.4 830787.5 816836.3 830792.4 816830.4 830786.7 816783.8 830791.5 816773.8 830795.1 816778.0 830814.3 816791.8 830810.0 816798.4 830809.6 816807.1 830821.3 816807.9 830832.9 816806.1 830848.6	19	3.18	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	1.08E-08	1.45E-08	1.99E-08	1.99E-08	1.99E-08	1.99E-08	1.99E-08	1.99E-08	1.99E-08	1.99E-08	5.37E-09	5.37E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09	3.50E-09

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

					Line Source						Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	Route A	HCP09_A01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A02	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A03	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A04	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A05	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A06	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A07	LINE	816730.7	830931.1	816702	831025	11.5	14.5	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A08	LINE	816702	831025	816673	831117.7	11	13.3	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A09	LINE	816673	831117.7	816643.9	831210.5	11	11.7	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A10	LINE	816643.9	831210.5	816637	831227.1	11	11.4	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A11	LINE	816637	831227.1	816624.6	831246.7	11	11.2	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A12	LINE	816624.6	831246.7	816604.1	831268.8	11	10.8	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_A13	LINE	816604.1	831268.8	816558.4	831308.7	11	10.3	1.7	1.58	56%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP09	Route B	HCP09_B01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B04	LINE	816981.8	830867.6	817004.4	830874.4	12	19.7	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B05	LINE	817004.4	830874.4	817021.6	830876	12	20.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B06	LINE	817021.6	830876	817038.1	830873.9	12	20.9	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B07	LINE	817038.1	830873.9	817054.9	830868.6	12	20.8	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B08	LINE	817054.9	830868.6	817067.6	830867.1	12	20.6	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B09	LINE	817067.6	830867.1	817087.2	830879.8	9.5	20.4	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B10	LINE	817087.2	830879.8	817116.4	830910.4	9.5	20.7	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B11	LINE	817116.4	830910.4	817157.2	830948.3	9.5	21.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B12	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B13	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B14	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B15	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B16	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_B17	LINE	817283.8	831147.5	817288.3	831163.2	9.5	23.7	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP09	Route C	HCP09_C01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C04	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C05	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C06	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C07	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C08	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C09	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C10	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C11	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C12	LINE	817192.7	830846.5	817210.3	830864	11	26	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C13	LINE	817210.3	830864	817255.2	830916.2	11	27	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP09_C14	LINE	817255.2	830916.2	817310.9	830981.5	9.5	28.9	1.7	1.58	22%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	**Carpark near To Lai Road**	HCP09_01	AREAPOLY	816806.1	830848.6	16.1	3.4	3346.8	816806.1 830848.6 816861.9 830832.3 816862.7 830816.6 816856.9 830807.7 816857.0 830801.1 816855.4 830794.4 816846.7 830793.5 816846.1 830788.7 816842.4 830787.5 816836.3 830792.4 816830.4 830786.7 816783.8 830791.5 816773.8 830795.1 816778.0 830814.3 816791.8 830810.0 816798.4 830809.6 816807.1 830821.3 816807.9 830832.9 816806.1 830848.6	19	3.18	3.22E-09	3.22E-09	3.22E-09	3.22E-09	3.22E-09	3.22E-09	3.22E-09	9.93E-09	1.33E-08	1.83E-08	1.83E-08	1.83E-08	1.83E-08	1.83E-08	1.83E-08	1.83E-08	1.83E-08	1.83E-08	4.94E-09	4.94E-09	3.22E-09	3.22E-09	3.22E-09	3.22E-09	3.22E-09

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP11

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

INDEX

Vehicle Type: NFB6 11 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12									1										1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18		1																	
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour		Temperature	Relative Humidity	RSP						FSP					
				Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760		°C	%												
1		8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2		7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3		7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4		6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5		6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6		7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7		6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8		7	26	0.00E+00	0.00E+00	6.18E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	3.02E-06	0.00E+00
9		7	23	0.00E+00	0.00E+00	6.18E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	3.02E-06	0.00E+00
10		8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11		8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12		8	16	0.00E+00	0.00E+00	1.24E-05	0.00E+00	6.56E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	6.04E-06	0.00E+00
13		9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14		8	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15		8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16		8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17		8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18		8	22	0.00E+00	0.00E+00	6.18E-06	0.00E+00	3.28E-06	0.00E+00	0.00E+00	0.00E+00	5.69E-06	0.00E+00	3.02E-06	0.00E+00
19		8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20		8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21		8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22		8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23		8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24		8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: NFB7 12 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12									1										1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour		Temperature	Relative Humidity	RSP						FSP					
				Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760		°C	%												
1		8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2		7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3		7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4		6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5		6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6		7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7		6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8		7	26	0.00E+00	0.00E+00	3.99E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	1.95E-06	0.00E+00
9		7	23	0.00E+00	0.00E+00	3.99E-06	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	3.67E-06	0.00E+00	1.95E-06	0.00E+00
10		8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11		8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12		8	16	0.00E+00	0.00E+00	7.98E-06	0.00E+00	4.24E-06	0.00E+00	0.00E+00	0.00E+00	7.34E-06	0.00E+00	3.90E-06	0.00E+00
13		9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14		8	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15		8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16		8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17		8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18		8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19		8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20		8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21		8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22		8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23		8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24		8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: NFB8 13 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1		1																	
1	2		1																	
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			3
8	9																			3
9	10			1			1													
10	11									1										
11	12									3										3
12	13																			
13	14		1																	
14	15		3										1	1						
15	16								1							1				
16	17			1					1											
17	18		3					1												
18	19																			
19	20																			
20	21		1																	
21	22		1																	
22	23		1																	
23	0		1																	

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
2	7	24	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
3	7	24	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
4	6	25	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
5	6	26	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
6	7	26	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
7	6	26	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
8	7	26	0.00E+00	0.00E+00	2.61E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	1.28E-05	0.00E+00
9	7	23	0.00E+00	0.00E+00	2.61E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	2.40E-05	0.00E+00	1.28E-05	0.00E+00
10	8	22	0.00E+00	0.00E+00	1.74E-05	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	8.51E-06	0.00E+00
11	8	22	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
12	8	16	0.00E+00	0.00E+00	5.23E-05	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	4.81E-05	0.00E+00	2.55E-05	0.00E+00
13	9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
15	8	19	0.00E+00	0.00E+00	4.36E-05	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	4.00E-05	0.00E+00	2.13E-05	0.00E+00
16	8	20	0.00E+00	0.00E+00	1.74E-05	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	8.51E-06	0.00E+00
17	8	22	0.00E+00	0.00E+00	1.74E-05	0.00E+00	9.26E-06	0.00E+00	0.00E+00	0.00E+00	1.60E-05	0.00E+00	8.51E-06	0.00E+00
18	8	22	0.00E+00	0.00E+00	3.48E-05	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	3.20E-05	0.00E+00	1.70E-05	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
22	8	26	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
23	8	30	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00
24	8	29	0.00E+00	0.00E+00	8.71E-06	0.00E+00	4.63E-06	0.00E+00	0.00E+00	0.00E+00	8.01E-06	0.00E+00	4.25E-06	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: HGV7 6 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			
9	10																			2
10	11																			
11	12																			
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	3.56E-06	0.00E+00	1.89E-06	0.00E+00	0.00E+00	0.00E+00	3.28E-06	0.00E+00	1.74E-06	0.00E+00
9	7	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	7.13E-06	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00	6.56E-06	0.00E+00	3.49E-06	0.00E+00
11	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: HGV8 7 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3															1				1
3	4															1				1
4	5															1				1
5	6															1				1
6	7															1				1
7	8																			3
8	9															2				2
9	10																			5
10	11																			
11	12																			
12	13					2														
13	14																			
14	15																			2
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	1.26E-05	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	6.15E-06	0.00E+00
4	6	25	0.00E+00	0.00E+00	1.26E-05	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	6.15E-06	0.00E+00
5	6	26	0.00E+00	0.00E+00	1.26E-05	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	6.15E-06	0.00E+00
6	7	26	0.00E+00	0.00E+00	1.26E-05	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	6.15E-06	0.00E+00
7	6	26	0.00E+00	0.00E+00	1.26E-05	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	6.15E-06	0.00E+00
8	7	26	0.00E+00	0.00E+00	1.89E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	1.74E-05	0.00E+00	9.22E-06	0.00E+00
9	7	23	0.00E+00	0.00E+00	2.52E-05	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	1.23E-05	0.00E+00
10	8	22	0.00E+00	0.00E+00	3.15E-05	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	2.89E-05	0.00E+00	1.54E-05	0.00E+00
11	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	1.26E-05	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	6.15E-06	0.00E+00
14	8	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	1.26E-05	0.00E+00	6.69E-06	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	6.15E-06	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: HGV9 17 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			7
8	9																			2
9	10																			
10	11																			
11	12																			
12	13																			
13	14																			
14	15		2																	4
15	16																			
16	17																			
17	18																			
18	19		2																	
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	6.02E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	5.53E-06	0.00E+00	2.94E-06	0.00E+00
4	6	25	0.00E+00	0.00E+00	6.02E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	5.53E-06	0.00E+00	2.94E-06	0.00E+00
5	6	26	0.00E+00	0.00E+00	6.02E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	5.53E-06	0.00E+00	2.94E-06	0.00E+00
6	7	26	0.00E+00	0.00E+00	6.02E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	5.53E-06	0.00E+00	2.94E-06	0.00E+00
7	6	26	0.00E+00	0.00E+00	6.02E-06	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	5.53E-06	0.00E+00	2.94E-06	0.00E+00
8	7	26	0.00E+00	0.00E+00	4.21E-05	0.00E+00	2.24E-05	0.00E+00	0.00E+00	0.00E+00	3.87E-05	0.00E+00	2.06E-05	0.00E+00
9	7	23	0.00E+00	0.00E+00	1.20E-05	0.00E+00	6.39E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	5.87E-06	0.00E+00
10	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	3.61E-05	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	3.32E-05	0.00E+00	1.76E-05	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	1.20E-05	0.00E+00	6.39E-06	0.00E+00	0.00E+00	0.00E+00	1.11E-05	0.00E+00	5.87E-06	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

Line Source

Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Route A**	HCP11_A01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A19	LINE	816241.3	830628.5	816235	830649.8	13	5.9	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A26	LINE	816136.6	830673.2	816149.6	830652.2	11.5	5.5	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Route B**	HCP11_B01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B18	LINE	816243.7	830605.7	816241.3	830627.9	13	6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B19	LINE	816241.3	830627.9	816235	830649.8	13	5.9	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B21	LINE	816227.5	830666.2	816210	830686.5	13	5.6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B22	LINE	816210	830686.5	816175.6	830719.3	13	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B26	LINE	816136.6	830673.2	816133.2	830661.4	15	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B27	LINE	816133.2	830661.4	816127	830650.7	15	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Route C**	HCP11_C01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C19	LINE	816241.3	830628.5	816234.9	830650.3	13	5.9	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C20	LINE	816234.9	830650.3	816227.5	830666.2	13	5.8	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C23	LINE	816175.6	830719.3	816161.5	830732.8	11.5	5.4	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C24	LINE	816161.5	830732.8	816147.4	830751.2	11.5	5.6	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C25	LINE	816147.4	830751.2	816133.1	830776.6	11.5	5.8	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C26	LINE	816133.1	830776.6	816130.3	830796.4	11.5	6.3	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Route D**	HCP11_D01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D06	LINE	816404.3	830588.5	816413.2	830591.8	9.5	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D07	LINE	816413.2	830591.8	816421.8	830597.3	9.5	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D08	LINE	816421.8	830597.3	816450.4	830625.5	9.5	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D09	LINE	816450.4	830625.5	816477	830644.6	9.5	7.2	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D10	LINE	816477	830644.6	816501	830655.4	9.5	7.2	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D11	LINE	816501	830655.4	816520.7	830660	9.5	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D12	LINE	816520.7	830660	816594	830666.5	9.5	7.7	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D13	LINE	816594	830666.5	816667.3	830673	9.5	7.9	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D14	LINE	816667.3	830673	816697.7	830675.1	9.5	8.6	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D15	LINE	816697.7	830675.1	816731.9	830681.6	9.5	9.8	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D16	LINE	816731.9	830681.6	816803.5	830696.3	9.5	11.8	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Route E**	HCP11_E01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

		HCP11_E08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E09	LINE	816347.1	830596.3	816328.7	830593.2	10.5	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E10	LINE	816328.7	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E15	LINE	816260.2	830594.6	816253.5	830592.8	13	6.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E16	LINE	816253.5	830592.8	816246.4	830525.2	13	7.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E17	LINE	816246.4	830525.2	816239.2	830457.5	13	8.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E18	LINE	816239.2	830457.5	816239.4	830400.9	13	9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E19	LINE	816239.4	830400.9	816239.5	830341.5	13	9.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Access road**	HCP11_AC01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	100%	5.66E-09	5.66E-09	1.78E-08	1.78E-08	1.78E-08	1.78E-08	1.78E-08	6.56E-08	4.78E-08	3.64E-08	5.66E-09	4.72E-08	8.19E-09	5.66E-09	6.00E-08	1.13E-08	1.13E-08	2.67E-08	7.83E-09	0.00E+00	5.66E-09	5.66E-09	5.66E-09	5.66E-09
		HCP11_AC02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	100%	5.66E-09	5.66E-09	1.78E-08	1.78E-08	1.78E-08	1.78E-08	1.78E-08	6.56E-08	4.78E-08	3.64E-08	5.66E-09	4.72E-08	8.19E-09	5.66E-09	6.00E-08	1.13E-08	1.13E-08	2.67E-08	7.83E-09	0.00E+00	5.66E-09	5.66E-09	5.66E-09	5.66E-09
		HCP11_AC03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	100%	5.66E-09	5.66E-09	1.78E-08	1.78E-08	1.78E-08	1.78E-08	1.78E-08	6.56E-08	4.78E-08	3.64E-08	5.66E-09	4.72E-08	8.19E-09	5.66E-09	6.00E-08	1.13E-08	1.13E-08	2.67E-08	7.83E-09	0.00E+00	5.66E-09	5.66E-09	5.66E-09	5.66E-09

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Carpark near Fu Hang Road**	HCP11_01	AREAPOLY	816550.1	830599.7	10.0	3.1	6682.6	816550.1 830599.7 816553.1 830603.0 816565.8 830600.0 816574.2 830595.4 816589.6 830589.6 816595.9 830578.8 816606.4 830571.4 816605.5 830552.6 816601.5 830542.8 816600.0 830521.1 816583.8 830502.5 816517.7 830522.4 816486.7 830534.6 816493.7 830558.0 816532.5 830542.8 816541.6 830561.6 816531.2 830567.8 816540.5 830592.0 816545.5 830590.3 816550.1 830599.7	20	2.84	1.30E-09	1.30E-09	4.09E-09	4.09E-09	4.09E-09	4.09E-09	4.09E-09	1.51E-08	1.10E-08	8.38E-09	1.30E-09	1.09E-08	1.88E-09	1.30E-09	1.38E-08	2.61E-09	2.61E-09	6.14E-09	1.80E-09	0.00E+00	1.30E-09	1.30E-09	1.30E-09	1.30E-09

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

Line Source

Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Route A**	HCP11_A01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A19	LINE	816241.3	830628.5	816235	830649.8	13	5.9	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_A26	LINE	816136.6	830673.2	816149.6	830652.2	11.5	5.5	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Route B**	HCP11_B01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B18	LINE	816243.7	830605.7	816241.3	830627.9	13	6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B19	LINE	816241.3	830627.9	816235	830649.8	13	5.9	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B21	LINE	816227.5	830666.2	816210	830686.5	13	5.6	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B22	LINE	816210	830686.5	816175.6	830719.3	13	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B26	LINE	816136.6	830673.2	816133.2	830661.4	15	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_B27	LINE	816133.2	830661.4	816127	830650.7	15	5.4	1.7	1.58	2%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Route C**	HCP11_C01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C19	LINE	816241.3	830628.5	816234.9	830650.3	13	5.9	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C20	LINE	816234.9	830650.3	816227.5	830666.2	13	5.8	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C23	LINE	816175.6	830719.3	816161.5	830732.8	11.5	5.4	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C24	LINE	816161.5	830732.8	816147.4	830751.2	11.5	5.6	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C25	LINE	816147.4	830751.2	816133.1	830776.6	11.5	5.8	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_C26	LINE	816133.1	830776.6	816130.3	830796.4	11.5	6.3	1.7	1.58	1%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Route D**	HCP11_D01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D06	LINE	816404.3	830588.5	816413.2	830591.8	9.5	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D07	LINE	816413.2	830591.8	816421.8	830597.3	9.5	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D08	LINE	816421.8	830597.3	816450.4	830625.5	9.5	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D09	LINE	816450.4	830625.5	816477	830644.6	9.5	7.2	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D10	LINE	816477	830644.6	816501	830655.4	9.5	7.2	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D11	LINE	816501	830655.4	816520.7	830660	9.5	7.3	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D12	LINE	816520.7	830660	816594	830666.5	9.5	7.7	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D13	LINE	816594	830666.5	816667.3	830673	9.5	7.9	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D14	LINE	816667.3	830673	816697.7	830675.1	9.5	8.6	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D15	LINE	816697.7	830675.1	816731.9	830681.6	9.5	9.8	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_D16	LINE	816731.9	830681.6	816803.5	830696.3	9.5	11.8	1.7	1.58	50%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Route E**	HCP11_E01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

		HCP11_E08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E09	LINE	816347.1	830596.3	816328.7	830593.2	10.5	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E10	LINE	816328.7	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E15	LINE	816260.2	830594.6	816253.5	830592.8	13	6.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E16	LINE	816253.5	830592.8	816246.4	830525.2	13	7.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E17	LINE	816246.4	830525.2	816239.2	830457.5	13	8.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E18	LINE	816239.2	830457.5	816239.4	830400.9	13	9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP11_E19	LINE	816239.4	830400.9	816239.5	830341.5	13	9.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP11	**Access road**	HCP11_AC01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	100%	5.21E-09	5.21E-09	1.63E-08	1.63E-08	1.63E-08	1.63E-08	1.63E-08	6.03E-08	4.40E-08	3.35E-08	5.21E-09	4.34E-08	7.53E-09	5.21E-09	5.51E-08	1.04E-08	1.04E-08	2.45E-08	7.19E-09	0.00E+00	5.21E-09	5.21E-09	5.21E-09	5.21E-09
		HCP11_AC02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	100%	5.21E-09	5.21E-09	1.63E-08	1.63E-08	1.63E-08	1.63E-08	1.63E-08	6.03E-08	4.40E-08	3.35E-08	5.21E-09	4.34E-08	7.53E-09	5.21E-09	5.51E-08	1.04E-08	1.04E-08	2.45E-08	7.19E-09	0.00E+00	5.21E-09	5.21E-09	5.21E-09	5.21E-09
		HCP11_AC03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	100%	5.21E-09	5.21E-09	1.63E-08	1.63E-08	1.63E-08	1.63E-08	1.63E-08	6.03E-08	4.40E-08	3.35E-08	5.21E-09	4.34E-08	7.53E-09	5.21E-09	5.51E-08	1.04E-08	1.04E-08	2.45E-08	7.19E-09	0.00E+00	5.21E-09	5.21E-09	5.21E-09	5.21E-09

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Carpark near Fu Hang Road**	HCP11_01	AREAPOLY	816550.1	830599.7	10.0	3.1	6682.6	816550.1 830599.7 816553.1 830603.0 816565.8 830600.0 816574.2 830595.4 816589.6 830589.6 816595.9 830578.8 816606.4 830571.4 816605.5 830552.6 816601.5 830542.8 816600.0 830521.1 816583.8 830502.5 816517.7 830522.4 816486.7 830534.6 816493.7 830558.0 816532.5 830542.8 816541.6 830561.6 816531.2 830567.8 816540.5 830592.0 816545.5 830590.3 816550.1 830599.7	20	2.84	1.20E-09	1.20E-09	3.76E-09	3.76E-09	3.76E-09	3.76E-09	3.76E-09	1.39E-08	1.01E-08	7.71E-09	1.20E-09	9.99E-09	1.73E-09	1.20E-09	1.27E-08	2.40E-09	2.40E-09	5.65E-09	1.65E-09	0.00E+00	1.20E-09	1.20E-09	1.20E-09	1.20E-09

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

PTI05 - Bus

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	320	46%	Bypass route	0
Starting on Public Road	380	54%	Running inside PTI/ Carpark [1]	650
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: FBDD 15

Day: 1

Hour		No. of Trip [1][2]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1					8														
1	2																			
2	3																			
3	4																			
4	5																			
5	6					12											2			
6	7					20											2			
7	8					24											3			
8	9					24														
9	10					24														
10	11					20														
11	12					12														
12	13					12														
13	14					12														
14	15					12														
15	16					12														
16	17					20														
17	18					24														
18	19					24														
19	20					24														
20	21					20														
21	22					12														
22	23					12														
23	0					12														

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	3.71E-06	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-06	3.08E-04	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	6.50E-06	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-06	5.40E-04	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	1.02E-05	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	8.48E-04	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	1.25E-05	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	1.04E-03	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	1.11E-05	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	9.25E-04	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	1.11E-05	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	9.25E-04	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	9.28E-06	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06	7.71E-04	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	5.57E-06	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	5.57E-06	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	5.57E-06	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	5.57E-06	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	5.57E-06	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	9.28E-06	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06	7.71E-04	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	1.11E-05	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	9.25E-04	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	1.11E-05	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	9.25E-04	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	1.11E-05	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-05	9.25E-04	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	9.28E-06	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06	7.71E-04	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	5.57E-06	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	5.57E-06	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	5.57E-06	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-06	4.63E-04	0.00E+00	0.00E+00	0.00E+00

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

					Line Source					Area/Polyarea/Line			Hourly Emission Rate (g/s or g/s/sq. m)																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing																									
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	**Route A**	PTI05_A01	LINE	816885	831287.9	816890.2	831279	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A02	LINE	816890.2	831279	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A05	LINE	816876.7	831159.5	816842	831141	9.5	13.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A06	LINE	816842	831141	816817.1	831171.4	12	12.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A07	LINE	816817.1	831171.4	816750.7	831216.9	12	12	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A08	LINE	816750.7	831216.9	816690.2	831278.3	12	11.2	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	Area Source x dim.	Area Source y dim.	Rotation angle	Area Polygon Source Source Area	Vertical Dim. (Sz) [3]
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)
PTI05_Bus	Planned PTI at Proposed Public Housing at Nai Wai	PTI05_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80
		PTI05_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80

Source ID	Hourly Emission Rate (g/s or g/s/sq. m) Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_IO01	6.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	1.76E-05	2.15E-05	1.92E-05	1.92E-05	1.60E-05	9.58E-06	9.58E-06	9.58E-06	9.58E-06	9.58E-06	1.60E-05	1.92E-05	1.92E-05	1.92E-05	1.60E-05	9.58E-06	9.58E-06	9.58E-06
PTI05_IO02	6.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	1.76E-05	2.15E-05	1.92E-05	1.92E-05	1.60E-05	9.58E-06	9.58E-06	9.58E-06	9.58E-06	9.58E-06	1.60E-05	1.92E-05	1.92E-05	1.92E-05	1.60E-05	9.58E-06	9.58E-06	9.58E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

					Line Source				Area/Polyarea/Line																												
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																								
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	**Route A**	PTI05_A01	LINE	816885	831287.9	816890.2	831279	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A02	LINE	816890.2	831279	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A05	LINE	816876.7	831159.5	816842	831141	9.5	13.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A06	LINE	816842	831141	816817.1	831171.4	12	12.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A07	LINE	816817.1	831171.4	816750.7	831216.9	12	12	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_A08	LINE	816750.7	831216.9	816690.2	831278.3	12	11.2	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

								Area Source			Area Polygon Source		Hourly Emission Rate (g/s or g/s/sq. m)																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]																								
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	Planned PTI at Proposed Public Housing at Nai Wai	PTI05_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	5.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	1.62E-05	1.98E-05	1.76E-05	1.76E-05	1.47E-05	8.82E-06	8.82E-06	8.82E-06	8.82E-06	8.82E-06	1.47E-05	1.76E-05	1.76E-05	1.76E-05	1.47E-05	8.82E-06	8.82E-06	8.82E-06
		PTI05_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	5.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	1.62E-05	1.98E-05	1.76E-05	1.76E-05	1.47E-05	8.82E-06	8.82E-06	8.82E-06	8.82E-06	8.82E-06	1.47E-05	1.76E-05	1.76E-05	1.76E-05	1.47E-05	8.82E-06	8.82E-06	8.82E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI05 - PLB - Diesel

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	55	8%	Bypass route	0
Starting on Public Road	645	92%	Running inside PTI/ Carpark [1]	110
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: PLB-D 22

Hour		No. of Trip [1][2]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	8	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
8	9	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	15	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	16	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	17	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	19	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	20	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	21	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	22	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	23	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Day: 1

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	5.56E-07	5.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	5.16E-06	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	9.26E-07	9.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-07	8.60E-06	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	1.48E-06	1.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	1.38E-05	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	1.85E-06	1.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-06	1.72E-05	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	1.67E-06	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	1.67E-06	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	1.30E-06	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	1.20E-05	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	7.41E-07	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	6.88E-06	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	7.41E-07	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	6.88E-06	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	7.41E-07	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	6.88E-06	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	7.41E-07	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	6.88E-06	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	7.41E-07	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	6.88E-06	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	1.30E-06	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	1.20E-05	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	1.67E-06	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	1.67E-06	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	1.67E-06	1.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	1.30E-06	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	1.20E-05	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	7.41E-07	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	6.88E-06	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	7.41E-07	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	6.88E-06	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	7.41E-07	7.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	6.88E-06	0.00E+00	0.00E+00	0.00E+00

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

				Line Source								Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Route A**	PTI05_D_A01	LINE	816885.0	831287.9	816890.2	831279.0	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A02	LINE	816890.2	831279.0	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A05	LINE	816876.7	831159.5	816842.0	831141.0	9.5	13.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A06	LINE	816842.0	831141.0	816817.1	831171.4	11	12.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A07	LINE	816817.1	831171.4	816750.7	831216.9	11	12	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A08	LINE	816750.7	831216.9	816690.2	831278.3	11	11.2	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A09	LINE	816690.2	831278.3	816667.6	831307.6	11	12	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A10	LINE	816667.6	831307.6	816647.5	831329.9	11	11.2	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A11	LINE	816647.5	831329.9	816628.1	831347.7	11	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A12	LINE	816628.1	831347.7	816601.0	831369.9	11	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A13	LINE	816601.0	831369.9	816575.6	831393.0	11	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A14	LINE	816575.6	831393.0	816564.3	831405.2	11	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A15	LINE	816564.3	831405.2	816544.8	831430.4	13	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A16	LINE	816544.8	831430.4	816509.6	831388.8	17	9.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

								Area Source			Area Polygon Source		Hourly Emission Rate (g/s or g/s/sq. m)																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)																								
PTI05_PLBD	Planned PTI at Proposed Public Housing at Nai Wai	PTI05_D_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.10E-07	3.87E-07	3.48E-07	3.48E-07	2.71E-07	1.55E-07	1.55E-07	1.55E-07	1.55E-07	1.55E-07	2.71E-07	3.48E-07	3.48E-07	3.48E-07	2.71E-07	1.55E-07	1.55E-07	1.55E-07
		PTI05_D_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	1.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-07	3.10E-07	3.87E-07	3.48E-07	3.48E-07	2.71E-07	1.55E-07	1.55E-07	1.55E-07	1.55E-07	1.55E-07	2.71E-07	3.48E-07	3.48E-07	3.48E-07	2.71E-07	1.55E-07	1.55E-07	1.55E-07

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

				Line Source								Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Route A**	PTI05_D_A01	LINE	816885.0	831287.9	816890.2	831279.0	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A02	LINE	816890.2	831279.0	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A05	LINE	816876.7	831159.5	816842.0	831141.0	9.5	13.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A06	LINE	816842.0	831141.0	816817.1	831171.4	11	12.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A07	LINE	816817.1	831171.4	816750.7	831216.9	11	12	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A08	LINE	816750.7	831216.9	816690.2	831278.3	11	11.2	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A09	LINE	816690.2	831278.3	816667.6	831307.6	11	12	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A10	LINE	816667.6	831307.6	816647.5	831329.9	11	11.2	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A11	LINE	816647.5	831329.9	816628.1	831347.7	11	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A12	LINE	816628.1	831347.7	816601.0	831369.9	11	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A13	LINE	816601.0	831369.9	816575.6	831393.0	11	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A14	LINE	816575.6	831393.0	816564.3	831405.2	11	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A15	LINE	816564.3	831405.2	816544.8	831430.4	13	10	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_D_A16	LINE	816544.8	831430.4	816509.6	831388.8	17	9.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

								Area Source			Area Polygon Source		Hourly Emission Rate (g/s or g/s/sq. m)																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)																								
PTI05_PLBD	Planned PTI at Proposed Public Housing at Nai Wai	PTI05_D_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	2.87E-07	3.59E-07	3.23E-07	3.23E-07	2.51E-07	1.44E-07	1.44E-07	1.44E-07	1.44E-07	1.44E-07	2.51E-07	3.23E-07	3.23E-07	3.23E-07	2.51E-07	1.44E-07	1.44E-07	1.44E-07
		PTI05_D_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	2.87E-07	3.59E-07	3.23E-07	3.23E-07	2.51E-07	1.44E-07	1.44E-07	1.44E-07	1.44E-07	1.44E-07	2.51E-07	3.23E-07	3.23E-07	3.23E-07	2.51E-07	1.44E-07	1.44E-07	1.44E-07

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI05 - PLB - LPG

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	55	37%	Bypass route	0
Starting on Public Road	95	63%	Running inside PTI/ Carpark [1]	110
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	150			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: PLB-L 25

Day: 1

Hour		No. of Trip [1][2]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	7	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	8	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	9	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	16	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	17	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	20	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	21	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	22	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

				Line Source								Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBL	Route A	PTI05_L_A01	LINE	816885	831287.9	816890.2	831279	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_L_A02	LINE	816890.2	831279	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_L_A03	LINE	816893.9	831217.6	816891.1	831193.7	9.5	12.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

								Area Source			Area Polygon Source		Hourly Emission Rate (g/s or g/s/sq. m)																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)																								
PTI05_PLBL	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_L_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09
		PTI05_L_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

				Line Source								Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBL	Route A	PTI05_L_A01	LINE	816885	831287.9	816890.2	831279	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_L_A02	LINE	816890.2	831279	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI05_L_A03	LINE	816893.9	831217.6	816891.1	831193.7	9.5	12.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

				Area Source							Area Polygon Source																								
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBL	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_L_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09
		PTI05_L_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09	4.00E-09

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI06 - Bus

Routing (m)				
Starting inside PTI/ Carpark [1]	310	44%	Bypass route	0
Starting on Public Road	390	56%	Running inside PTI/ Carpark [1]	600
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

INDEX

Vehicle Type: FBDD 15

Day: 1

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1					6														
1	2																			
2	3																			
3	4																			
4	5																			
5	6					9											1			
6	7					15											1			
7	8					18											2			
8	9					18														
9	10					18														
10	11					15														
11	12					9														
12	13					9														
13	14					9														
14	15					9														
15	16					9														
16	17					15														
17	18					18														
18	19					18														
19	20					18														
20	21					15														
21	22					9														
22	23					9														
23	0					9														

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	RSP						FSP					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	2.78E-06	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-06	2.14E-04	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	4.64E-06	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-06	3.56E-04	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	7.42E-06	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-06	5.69E-04	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	9.28E-06	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-06	7.12E-04	0.00E+00	0.00E+00	0.00E+00
9	0.00E+00	8.35E-06	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	6.41E-04	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	8.35E-06	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	6.41E-04	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	6.96E-06	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-06	5.34E-04	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	4.18E-06	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	4.18E-06	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	4.18E-06	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	4.18E-06	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	4.18E-06	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	6.96E-06	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-06	5.34E-04	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	8.35E-06	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	6.41E-04	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	8.35E-06	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	6.41E-04	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	8.35E-06	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-06	6.41E-04	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	6.96E-06	5.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-06	5.34E-04	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	4.18E-06	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	4.18E-06	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	4.18E-06	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

					Line Source						Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Route A**	PTI06_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A05	LINE	817228.4	831625.8	817188.6	831653.4	14	15.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A06	LINE	817188.6	831653.4	817137.9	831700.9	14	15	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A07	LINE	817137.9	831700.9	817077.6	831773.6	14	14.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A08	LINE	817077.6	831773.6	817041.8	831806.8	14	14	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	6.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	1.67E-05	2.09E-05	1.88E-05	1.88E-05	1.57E-05	9.42E-06	9.42E-06	9.42E-06	9.42E-06	9.42E-06	1.57E-05	1.88E-05	1.88E-05	1.88E-05	1.57E-05	9.42E-06	9.42E-06	9.42E-06
		PTI06_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	6.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	1.67E-05	2.09E-05	1.88E-05	1.88E-05	1.57E-05	9.42E-06	9.42E-06	9.42E-06	9.42E-06	9.42E-06	1.57E-05	1.88E-05	1.88E-05	1.88E-05	1.57E-05	9.42E-06	9.42E-06	9.42E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

					Line Source						Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Route A**	PTI06_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A05	LINE	817228.4	831625.8	817188.6	831653.4	14	15.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A06	LINE	817188.6	831653.4	817137.9	831700.9	14	15	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A07	LINE	817137.9	831700.9	817077.6	831773.6	14	14.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_A08	LINE	817077.6	831773.6	817041.8	831806.8	14	14	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	5.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06	1.54E-05	1.93E-05	1.73E-05	1.73E-05	1.45E-05	8.67E-06	8.67E-06	8.67E-06	8.67E-06	8.67E-06	1.45E-05	1.73E-05	1.73E-05	1.73E-05	1.45E-05	8.67E-06	8.67E-06	8.67E-06
		PTI06_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	5.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-06	1.54E-05	1.93E-05	1.73E-05	1.73E-05	1.45E-05	8.67E-06	8.67E-06	8.67E-06	8.67E-06	8.67E-06	1.45E-05	1.73E-05	1.73E-05	1.73E-05	1.45E-05	8.67E-06	8.67E-06	8.67E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI06 - PLB - Diesel

Routing (m)				
Starting inside PTI/ Carpark [1]	65	9%	Bypass route	0
Starting on Public Road	635	91%	Running inside PTI/ Carpark [1]	130
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

INDEX

Vehicle Type: PLB-D 22

Day: 1

Hour		No. of Trip [1][2]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	8	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
8	9	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	15	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	16	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	17	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	19	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	20	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	21	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	22	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	23	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	5.56E-07	6.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-07	6.10E-06	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	9.26E-07	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-07	1.02E-05	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	1.48E-06	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	1.63E-05	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	2.04E-06	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	2.24E-05	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	1.67E-06	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.83E-05	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	1.67E-06	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.83E-05	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	1.30E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	1.42E-05	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	7.41E-07	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	8.13E-06	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	7.41E-07	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	8.13E-06	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	7.41E-07	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	8.13E-06	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	7.41E-07	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	8.13E-06	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	7.41E-07	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	8.13E-06	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	1.30E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	1.42E-05	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	1.67E-06	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.83E-05	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	1.67E-06	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.83E-05	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	1.67E-06	1.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	1.83E-05	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	1.30E-06	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	1.42E-05	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	7.41E-07	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	8.13E-06	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	7.41E-07	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	8.13E-06	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	7.41E-07	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-07	8.13E-06	0.00E+00	0.00E+00	0.00E+00

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

				Line Source					Area/Polyarea/Line																											
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	Route A	PTI06_D_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A11	LINE	816947.5	831889.3	816906.5	831847.2	13	12.5	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A12	LINE	816906.5	831847.2	816867.0	831803.3	13	12.4	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PTI06_PLBD	Route B	PTI06_D_B01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B11	LINE	816947.5	831889.3	816944.0	831907.1	12.5	12.8	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B12	LINE	816944	831907.1	817008.8	831982.7	17	13.1	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_D_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.12E-07	7.04E-07	5.76E-07	5.76E-07	4.48E-07	2.56E-07	2.56E-07	2.56E-07	2.56E-07	2.56E-07	4.48E-07	5.76E-07	5.76E-07	5.76E-07	4.48E-07	2.56E-07	2.56E-07	2.56E-07
		PTI06_D_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-07	5.12E-07	7.04E-07	5.76E-07	5.76E-07	4.48E-07	2.56E-07	2.56E-07	2.56E-07	2.56E-07	2.56E-07	4.48E-07	5.76E-07	5.76E-07	5.76E-07	4.48E-07	2.56E-07	2.56E-07	2.56E-07

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

				Line Source						Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	Route A	PTI06_D_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A11	LINE	816947.5	831889.3	816906.5	831847.2	13	12.5	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_A12	LINE	816906.5	831847.2	816867.0	831803.3	13	12.4	1.7	1.58	80%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PTI06_PLBD	Route B	PTI06_D_B01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B11	LINE	816947.5	831889.3	816944.0	831907.1	12.5	12.8	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_D_B12	LINE	816944	831907.1	817008.8	831982.7	17	13.1	1.7	1.58	20%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_D_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	4.74E-07	6.52E-07	5.34E-07	5.34E-07	4.15E-07	2.37E-07	2.37E-07	2.37E-07	2.37E-07	2.37E-07	4.15E-07	5.34E-07	5.34E-07	5.34E-07	4.15E-07	2.37E-07	2.37E-07	2.37E-07
		PTI06_D_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-07	4.74E-07	6.52E-07	5.34E-07	5.34E-07	4.15E-07	2.37E-07	2.37E-07	2.37E-07	2.37E-07	2.37E-07	4.15E-07	5.34E-07	5.34E-07	5.34E-07	4.15E-07	2.37E-07	2.37E-07	2.37E-07

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI06 - PLB - LPG

Routing (m)				
Starting inside PTI/ Carpark [1]	65	43%	Bypass route	0
Starting on Public Road	85	57%	Running inside PTI/ Carpark [1]	130
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	150			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

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Vehicle Type: PLB-L 25

Hour		No. of Trip [1][2]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	7	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	8	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	9	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	16	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	17	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	20	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	21	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	22	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Day: 1

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

					Line Source				Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBL	**Route A**	PTI06_L_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_L_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_L_A03	LINE	817201.1	831585.2	817205.4	831589.4	9.5	13.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBL	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_L_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09
		PTI06_L_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

					Line Source				Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBL	Route A	PTI06_L_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_L_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		PTI06_L_A03	LINE	817201.1	831585.2	817205.4	831589.4	9.5	13.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																								
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBL	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_L_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09
		PTI06_L_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09	5.67E-09

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Annex - 4a

Emission Inventory for PTIs and HGV/ Coach Parking
(Lam Tei Area, Year 2048, Long Term)

HCP02b

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	80	11%	Bypass route	0
Starting on Public Road	500	71%	Running inside PTI/ Carpark [1]	170
Access Road - Arrival	120	17%		
Access Road - Departure	120			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1							1	1											
1	2							1	1											
2	3							1	1											
3	4							1	1											
4	5							1	1											
5	6							1	1											
6	7							1	1											
7	8																			2
8	9																			3
9	10						1		1											1
10	11						1		1											1
11	12						1		1											1
12	13						1		1											1
13	14						1		1											1
14	15						1		1											1
15	16						1		1											1
16	17						1		1											1
17	18							1												
18	19							1												
19	20							1	1											1
20	21							1	1											
21	22							1	1											
22	23							1	1											
23	0							1	1											

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	2.56E-04	3.65E-05	4.16E-04	2.28E-04	0.00E+00	0.00E+00	1.26E-04	1.80E-05	2.05E-04	1.12E-04
2	0.00E+00	0.00E+00	2.57E-04	3.65E-05	4.18E-04	2.28E-04	0.00E+00	0.00E+00	1.27E-04	1.80E-05	2.06E-04	1.12E-04
3	0.00E+00	0.00E+00	2.57E-04	3.65E-05	4.18E-04	2.28E-04	0.00E+00	0.00E+00	1.27E-04	1.80E-05	2.06E-04	1.12E-04
4	0.00E+00	0.00E+00	2.57E-04	3.65E-05	4.18E-04	2.28E-04	0.00E+00	0.00E+00	1.27E-04	1.80E-05	2.06E-04	1.12E-04
5	0.00E+00	0.00E+00	2.57E-04	3.65E-05	4.18E-04	2.28E-04	0.00E+00	0.00E+00	1.27E-04	1.80E-05	2.06E-04	1.12E-04
6	0.00E+00	0.00E+00	2.58E-04	3.65E-05	4.19E-04	2.28E-04	0.00E+00	0.00E+00	1.27E-04	1.80E-05	2.06E-04	1.12E-04
7	0.00E+00	0.00E+00	2.59E-04	3.65E-05	4.21E-04	2.28E-04	0.00E+00	0.00E+00	1.28E-04	1.80E-05	2.07E-04	1.12E-04
8	0.00E+00	0.00E+00	2.59E-04	1.69E-04	6.19E-04	1.06E-03	0.00E+00	0.00E+00	1.27E-04	8.34E-05	3.05E-04	5.21E-04
9	0.00E+00	0.00E+00	3.89E-04	2.54E-04	9.30E-04	1.59E-03	0.00E+00	0.00E+00	1.92E-04	1.25E-04	4.58E-04	7.82E-04
10	0.00E+00	0.00E+00	3.90E-04	1.17E-04	7.26E-04	7.34E-04	0.00E+00	0.00E+00	1.92E-04	5.79E-05	3.58E-04	3.62E-04
11	0.00E+00	0.00E+00	3.89E-04	1.17E-04	7.25E-04	7.34E-04	0.00E+00	0.00E+00	1.91E-04	5.79E-05	3.57E-04	3.62E-04
12	0.00E+00	0.00E+00	3.88E-04	1.17E-04	7.24E-04	7.34E-04	0.00E+00	0.00E+00	1.91E-04	5.79E-05	3.57E-04	3.62E-04
13	0.00E+00	0.00E+00	3.88E-04	1.17E-04	7.24E-04	7.34E-04	0.00E+00	0.00E+00	1.91E-04	5.79E-05	3.57E-04	3.62E-04
14	0.00E+00	0.00E+00	3.86E-04	1.17E-04	7.22E-04	7.34E-04	0.00E+00	0.00E+00	1.90E-04	5.79E-05	3.55E-04	3.62E-04
15	0.00E+00	0.00E+00	3.84E-04	1.17E-04	7.18E-04	7.34E-04	0.00E+00	0.00E+00	1.89E-04	5.79E-05	3.54E-04	3.62E-04
16	0.00E+00	0.00E+00	3.86E-04	1.17E-04	7.21E-04	7.34E-04	0.00E+00	0.00E+00	1.90E-04	5.79E-05	3.55E-04	3.62E-04
17	0.00E+00	0.00E+00	3.86E-04	1.17E-04	7.21E-04	7.34E-04	0.00E+00	0.00E+00	1.90E-04	5.79E-05	3.55E-04	3.62E-04
18	0.00E+00	0.00E+00	1.28E-04	1.48E-05	2.03E-04	9.26E-05	0.00E+00	0.00E+00	6.30E-05	7.30E-06	9.99E-05	4.56E-05
19	0.00E+00	0.00E+00	1.28E-04	1.48E-05	2.03E-04	9.26E-05	0.00E+00	0.00E+00	6.29E-05	7.30E-06	9.98E-05	4.56E-05
20	0.00E+00	0.00E+00	3.83E-04	1.21E-04	7.22E-04	7.57E-04	0.00E+00	0.00E+00	1.89E-04	5.97E-05	3.56E-04	3.73E-04
21	0.00E+00	0.00E+00	2.55E-04	3.65E-05	4.14E-04	2.28E-04	0.00E+00	0.00E+00	1.25E-04	1.80E-05	2.04E-04	1.12E-04
22	0.00E+00	0.00E+00	2.54E-04	3.65E-05	4.14E-04	2.28E-04	0.00E+00	0.00E+00	1.25E-04	1.80E-05	2.04E-04	1.12E-04
23	0.00E+00	0.00E+00	2.56E-04	3.65E-05	4.16E-04	2.28E-04	0.00E+00	0.00E+00	1.26E-04	1.80E-05	2.05E-04	1.12E-04
24	0.00E+00	0.00E+00	2.56E-04	3.65E-05	4.16E-04	2.28E-04	0.00E+00	0.00E+00	1.26E-04	1.80E-05	2.05E-04	1.12E-04

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

						Line Source					Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Route A**	HCP02b_A01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A15	LINE	816207.3	831380.2	816165.1	831336.4	11	7.7	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A16	LINE	816165.1	831336.4	816150.6	831326.1	11	7.6	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A17	LINE	816150.6	831326.1	816124.4	831310.1	11	7.6	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A18	LINE	816124.4	831310.1	816068.093	831280.9	11	7.2	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
HCP02b	**Route B**	HCP02b_B01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B15	LINE	816207.3	831380.2	816196.7	831384.6	10	8.1	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B16	LINE	816196.7	831384.6	816154.4	831424.5	10	8.3	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B17	LINE	816154.4	831424.5	816130.4	831449.5	10	8.9	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B18	LINE	816130.4	831449.5	816085.7	831483.5	10	10.3	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B19	LINE	816085.7	831483.5	816077.8	831492.7	10	12.3	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
HCP02b	**Route C**	HCP02b_C01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C08	LINE	816470.4	831447.8	816485.7	831439.3	11.5	8.6	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C09	LINE	816485.7	831439.3	816506.5	831437	11.5	8.7	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C10	LINE	816506.5	831437	816513.9	831430.8	11.5	8.8	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C11	LINE	816513.9	831430.8	816523.8	831431.2	11.5	8.9	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C12	LINE	816523.8	831431.2	816577.7	831491.7	11.5	9.3	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C13	LINE	816577.7	831491.7	816631.5	831552.2	11.5	10.4	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C14	LINE	816631.5	831552.2	816685.4	831612.6	11.5	10.8	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C15	LINE	816685.4	831612.6	816739.2	831673.1	11.5	11.3	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C16	LINE	816739.2	831673.1	816793.1	831733.6	11.5	11.7	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C17	LINE	816793.1	831733.6	816798.3	831739.5	12	12.2	1.7	1.58	29%	8.91E-09	8.91E-09	8.91E-09	8.91E-09	8.91E-09	8.91E-09	8.91E-09	4.13E-08	6.20E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	3.62E-09	3.62E-09	2.96E-08	8.91E-09	8.91E-09	8.91E-09	8.91E-09
HCP02b	**Access road**	HCP02b_AC01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	100%	3.49E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.52E-07	5.18E-07	7.79E-07	6.08E-07	6.07E-07	6.06E-07	6.06E-07	6.04E-07	6.01E-07	6.03E-07	6.03E-07	1.70E-07	1.70E-07	6.05E-07	3.47E-07	3.46E-07	3.49E-07	3.48E-07
		HCP02b_AC02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	100%	3.49E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.52E-07	5.18E-07	7.79E-07	6.08E-07	6.07E-07	6.06E-07	6.06E-07	6.04E-07	6.01E-07	6.03E-07	6.03E-07	1.70E-07	1.70E-07	6.05E-07	3.47E-07	3.46E-07	3.49E-07	3.48E-07
		HCP02b_AC03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	100%	3.49E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.52E-07	5.18E-07	7.79E-07	6.08E-07	6.07E-07	6.06E-07	6.06E-07	6.04E-07	6.01E-07	6.03E-07	6.03E-07	1.70E-07	1.70E-07	6.05E-07	3.47E-07	3.46E-07	3.49E-07	3.48E-07
		HCP02b_AC04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	100%	3.49E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.52E-07	5.18E-07	7.79E-07	6.08E-07	6.07E-07	6.06E-07	6.06E-07	6.04E-07	6.01E-07	6.03E-07	6.03E-07	1.70E-07	1.70E-07	6.05E-07	3.47E-07	3.46E-07	3.49E-07	3.48E-07
		HCP02b_AC05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	100%	3.49E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.52E-07	5.18E-07	7.79E-07	6.08E-07	6.07E-07	6.06E-07	6.06E-07	6.04E-07	6.01E-07	6.03E-07	6.03E-07	1.70E-07	1.70E-07	6.05E-07	3.47E-07	3.46E-07	3.49E-07	3.48E-07
		HCP02b_AC06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	100%	3.49E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.50E-07	3.52E-07	5.18E-07	7.79E-07	6.08E-07	6.07E-07	6.06E-07	6.06E-07	6.04E-07	6.01E-07	6.03E-07	6.03E-07	1.70E-07	1.70E-07	6.05E-07	3.47E-07	3.46E-07	3.49E-07	3.48E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Carpark near Tung Lei Path**	HCP02b_01	AREAPOLY	816541.6	831588.5	9.2	3.9	1881.4	816541.6 831588.5 816533.2 831574.6 816527.0 831577.9 816535.1 831593.1 816508.2 831612.2 816516.1 831626.5 816537.0 831623.9 816543.0 831637.1 816573.8 831613.6 816563.9 831598.8 816569.5 831594.5 816551.7 831593.1 816541.6 831588.5	13	3.64	1.56E-07	1.56E-07	1.56E-07	1.56E-07	1.56E-07	1.56E-07	1.57E-07	2.27E-07	3.42E-07	2.70E-07	2.69E-07	2.69E-07	2.69E-07	2.68E-07	2.66E-07	2.67E-07	2.67E-07	7.58E-08	7.58E-08	2.68E-07	1.55E-07	1.55E-07	1.56E-07	1.55E-07

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

						Line Source					Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Route A**	HCP02b_A01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A15	LINE	816207.3	831380.2	816165.1	831336.4	11	7.7	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A16	LINE	816165.1	831336.4	816150.6	831326.1	11	7.6	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A17	LINE	816150.6	831326.1	816124.4	831310.1	11	7.6	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A18	LINE	816124.4	831310.1	816068.093	831280.9	11	7.2	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
HCP02b	**Route B**	HCP02b_B01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B15	LINE	816207.3	831380.2	816196.7	831384.6	10	8.1	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B16	LINE	816196.7	831384.6	816154.4	831424.5	10	8.3	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B17	LINE	816154.4	831424.5	816130.4	831449.5	10	8.9	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B18	LINE	816130.4	831449.5	816085.7	831483.5	10	10.3	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B19	LINE	816085.7	831483.5	816077.8	831492.7	10	12.3	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
HCP02b	**Route C**	HCP02b_C01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C08	LINE	816470.4	831447.8	816485.7	831439.3	11.5	8.6	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C09	LINE	816485.7	831439.3	816506.5	831437	11.5	8.7	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C10	LINE	816506.5	831437	816513.9	831430.8	11.5	8.8	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C11	LINE	816513.9	831430.8	816523.8	831431.2	11.5	8.9	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C12	LINE	816523.8	831431.2	816577.7	831491.7	11.5	9.3	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C13	LINE	816577.7	831491.7	816631.5	831552.2	11.5	10.4	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C14	LINE	816631.5	831552.2	816685.4	831612.6	11.5	10.8	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C15	LINE	816685.4	831612.6	816739.2	831673.1	11.5	11.3	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C16	LINE	816739.2	831673.1	816793.1	831733.6	11.5	11.7	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C17	LINE	816793.1	831733.6	816798.3	831739.5	12	12.2	1.7	1.58	29%	4.39E-09	4.39E-09	4.39E-09	4.39E-09	4.39E-09	4.39E-09	4.39E-09	2.04E-08	3.05E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.78E-09	1.78E-09	1.46E-08	4.39E-09	4.39E-09	4.39E-09	4.39E-09
HCP02b	**Access road**	HCP02b_AC01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	100%	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.73E-07	1.74E-07	2.55E-07	3.84E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.98E-07	2.96E-07	2.97E-07	2.97E-07	8.36E-08	8.36E-08	2.98E-07	1.71E-07	1.71E-07	1.72E-07	1.71E-07
		HCP02b_AC02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	100%	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.73E-07	1.74E-07	2.55E-07	3.84E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.98E-07	2.96E-07	2.97E-07	2.97E-07	8.36E-08	8.36E-08	2.98E-07	1.71E-07	1.71E-07	1.72E-07	1.71E-07
		HCP02b_AC03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	100%	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.73E-07	1.74E-07	2.55E-07	3.84E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.98E-07	2.96E-07	2.97E-07	2.97E-07	8.36E-08	8.36E-08	2.98E-07	1.71E-07	1.71E-07	1.72E-07	1.71E-07
		HCP02b_AC04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	100%	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.73E-07	1.74E-07	2.55E-07	3.84E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.98E-07	2.96E-07	2.97E-07	2.97E-07	8.36E-08	8.36E-08	2.98E-07	1.71E-07	1.71E-07	1.72E-07	1.71E-07
		HCP02b_AC05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	100%	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.73E-07	1.74E-07	2.55E-07	3.84E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.98E-07	2.96E-07	2.97E-07	2.97E-07	8.36E-08	8.36E-08	2.98E-07	1.71E-07	1.71E-07	1.72E-07	1.71E-07
		HCP02b_AC06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	100%	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.72E-07	1.73E-07	1.74E-07	2.55E-07	3.84E-07	2.99E-07	2.99E-07	2.99E-07	2.99E-07	2.98E-07	2.96E-07	2.97E-07	2.97E-07	8.36E-08	8.36E-08	2.98E-07	1.71E-07	1.71E-07	1.72E-07	1.71E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Carpark near Tung Lei Path**	HCP02b_01	AREAPOLY	816541.6	831588.5	9.2	3.9	1881.4	816541.6 831588.5 816533.2 831574.6 816527.0 831577.9 816535.1 831593.1 816508.2 831612.2 816516.1 831626.5 816537.0 831623.9 816543.0 831637.1 816573.8 831613.6 816563.9 831598.8 816569.5 831594.5 816551.7 831593.1 816541.6 831588.5	13	3.64	7.66E-08	7.68E-08	7.68E-08	7.68E-08	7.69E-08	7.70E-08	7.74E-08	1.12E-07	1.68E-07	1.33E-07	1.32E-07	1.32E-07	1.32E-07	1.32E-07	1.31E-07	1.32E-07	1.32E-07	3.74E-08	3.73E-08	1.32E-07	7.62E-08	7.61E-08	7.66E-08	7.65E-08

Note:

1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark

HCP04

INDEX

Vehicle Type: NFB6 11

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			2
8	9																			
9	10																			1
10	11																			
11	12																			1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	1.17E-04	1.88E-04	8.55E-05	6.39E-04	0.00E+00	0.00E+00	4.56E-05	7.31E-05	3.33E-05	2.48E-04
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	5.89E-05	9.39E-05	4.28E-05	3.19E-04	0.00E+00	0.00E+00	2.29E-05	3.65E-05	1.67E-05	1.24E-04
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	5.87E-05	9.39E-05	4.28E-05	3.19E-04	0.00E+00	0.00E+00	2.28E-05	3.65E-05	1.66E-05	1.24E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	5.83E-05	9.39E-05	4.27E-05	3.19E-04	0.00E+00	0.00E+00	2.27E-05	3.65E-05	1.66E-05	1.24E-04
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

INDEX

Vehicle Type: NFB7 12

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			
9	10																			1
10	11																			
11	12																			1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	8.24E-05	1.66E-04	6.92E-05	5.65E-04	0.00E+00	0.00E+00	4.06E-05	8.19E-05	3.41E-05	2.78E-04
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	8.28E-05	1.66E-04	6.93E-05	5.65E-04	0.00E+00	0.00E+00	4.08E-05	8.19E-05	3.42E-05	2.78E-04
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	8.25E-05	1.66E-04	6.92E-05	5.65E-04	0.00E+00	0.00E+00	4.06E-05	8.19E-05	3.41E-05	2.78E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	8.20E-05	1.66E-04	6.91E-05	5.65E-04	0.00E+00	0.00E+00	4.04E-05	8.19E-05	3.40E-05	2.78E-04
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

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Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			1
1	2																			1
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																	2		6
8	9																			
9	10																			3
10	11								2											
11	12																			3
12	13																			2
13	14																			2
14	15																			
15	16		2																	
16	17		2																	3
17	18			1						1										2
18	19									1					1	1		1		2
19	20		2						1	1							1			
20	21							1											1	3
21	22																			1
22	23																			1
23	0																			1

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	2.00E-04	1.59E-04	1.03E-04	5.40E-04	0.00E+00	0.00E+00	9.83E-05	7.82E-05	5.05E-05	2.66E-04
2	0.00E+00	0.00E+00	2.00E-04	1.59E-04	1.03E-04	5.40E-04	0.00E+00	0.00E+00	9.86E-05	7.82E-05	5.06E-05	2.66E-04
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	1.61E-03	1.27E-03	8.24E-04	4.30E-03	0.00E+00	0.00E+00	7.94E-04	6.23E-04	4.06E-04	2.12E-03
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	6.07E-04	4.76E-04	3.10E-04	1.62E-03	0.00E+00	0.00E+00	2.99E-04	2.35E-04	1.53E-04	7.97E-04
11	0.00E+00	0.00E+00	4.04E-04	8.14E-05	1.44E-04	2.77E-04	0.00E+00	0.00E+00	1.99E-04	4.01E-05	7.07E-05	1.36E-04
12	0.00E+00	0.00E+00	6.05E-04	4.76E-04	3.10E-04	1.62E-03	0.00E+00	0.00E+00	2.98E-04	2.35E-04	1.52E-04	7.97E-04
13	0.00E+00	0.00E+00	4.03E-04	3.17E-04	2.06E-04	1.08E-03	0.00E+00	0.00E+00	1.99E-04	1.56E-04	1.02E-04	5.32E-04
14	0.00E+00	0.00E+00	4.02E-04	3.17E-04	2.06E-04	1.08E-03	0.00E+00	0.00E+00	1.98E-04	1.56E-04	1.01E-04	5.32E-04
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	4.01E-04	9.93E-06	1.24E-04	3.38E-05	0.00E+00	0.00E+00	1.97E-04	4.88E-06	6.09E-05	1.66E-05
17	0.00E+00	0.00E+00	1.00E-03	4.86E-04	4.32E-04	1.65E-03	0.00E+00	0.00E+00	4.93E-04	2.39E-04	2.13E-04	8.14E-04
18	0.00E+00	0.00E+00	7.97E-04	3.77E-04	3.41E-04	1.28E-03	0.00E+00	0.00E+00	3.93E-04	1.86E-04	1.68E-04	6.31E-04
19	0.00E+00	0.00E+00	1.20E-03	8.16E-04	5.78E-04	2.77E-03	0.00E+00	0.00E+00	5.89E-04	4.02E-04	2.85E-04	1.37E-03
20	0.00E+00	0.00E+00	9.94E-04	2.54E-04	3.68E-04	8.64E-04	0.00E+00	0.00E+00	4.90E-04	1.25E-04	1.81E-04	4.25E-04
21	0.00E+00	0.00E+00	9.93E-04	6.63E-04	4.76E-04	2.25E-03	0.00E+00	0.00E+00	4.89E-04	3.26E-04	2.35E-04	1.11E-03
22	0.00E+00	0.00E+00	1.98E-04	1.59E-04	1.02E-04	5.40E-04	0.00E+00	0.00E+00	9.76E-05	7.82E-05	5.03E-05	2.66E-04
23	0.00E+00	0.00E+00	2.00E-04	1.59E-04	1.03E-04	5.40E-04	0.00E+00	0.00E+00	9.83E-05	7.82E-05	5.05E-05	2.66E-04
24	0.00E+00	0.00E+00	1.99E-04	1.59E-04	1.02E-04	5.40E-04	0.00E+00	0.00E+00	9.81E-05	7.82E-05	5.05E-05	2.66E-04

INDEX

Vehicle Type: HGV8 7

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9																			
9	10																			
10	11																			
11	12		2																	
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	3.51E-04	9.93E-06	1.08E-04	3.38E-05	0.00E+00	0.00E+00	1.73E-04	4.88E-06	5.34E-05	1.66E-05
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
						Line Source					Area/Polyarea/Line																									
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Route A**	HCP04_A01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A12	LINE	816981.8	830867.6	816894.1	830841.8	10.5	18.3	1.7	1.58	33%	3.08E-08	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	0.00E+00	1.43E-07	1.58E-08	1.45E-07	6.16E-08	6.16E-08	0.00E+00	1.93E-09	1.45E-07	7.32E-08	1.58E-07	4.93E-08	1.29E-07	3.08E-08	3.08E-08	3.08E-08
		HCP04_A13	LINE	816894.1	830841.8	816860.5	830839.5	10.5	17.5	1.7	1.58	33%	3.08E-08	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	0.00E+00	1.43E-07	1.58E-08	1.45E-07	6.16E-08	6.16E-08	0.00E+00	1.93E-09	1.45E-07	7.32E-08	1.58E-07	4.93E-08	1.29E-07	3.08E-08	3.08E-08	3.08E-08
		HCP04_A14	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A15	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A16	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A17	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A18	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A19	LINE	816730.7	830931.1	816728.4	830938.4	11.5	14.5	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
HCP04	**Route B**	HCP04_B01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B12	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B13	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B14	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B15	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B16	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B17	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B18	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B19	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B20	LINE	817192.7	830846.5	817201.6	830855.3	11	26	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
HCP04	**Route C**	HCP04_C01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C04	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C05	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C06	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C07	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C08	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C09	LINE	817283.8	831147.5	817303.4	831215.8	9.5	23.7	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C10	LINE	817303.4	831215.8	817314.5	831263.3	9.5	21.5	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C11	LINE	817314.5	831263.3	817315.4	831270.2	9.5	20.5	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C12	LINE	817315.4	831270.2	817311.5	831279.5	9.5	21.2	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C13	LINE	817311.5	831279.5	817295.9	831298.6	9.5	21.6	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C14	LINE	817295.9	831298.6	817320.2	831324.1	9.5	21.5	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C15	LINE	817320.2	831324.1	817346.8	831355.1	9.5	20.9	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C16	LINE	817346.8	831355.1	817365.2	831378.6	9.5	20.2	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
HCP04	**Access road**	HCP04_AC01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	100%	2.60E-07	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	1.07E-06	3.64E-07	1.34E-06	5.22E-07	5.21E-07	0.00E+00	3.13E-07	1.38E-06	8.64E-07	1.46E-06	9.31E-07	1.21E-06	2.59E-07	2.60E-07	2.59E-07
		HCP04_AC02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	100%	2.60E-07	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	1.07E-06	3.64E-07	1.34E-06	5.22E-07	5.21E-07	0.00E+00	3.13E-07	1.38E-06	8.64E-07	1.46E-06	9.31E-07	1.21E-06	2.59E-07	2.60E-07	2.59E-07
		HCP04_AC03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	100%	2.60E-07	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-06	0.00E+00	1.07E-06	3.64E-07	1.34E-06	5.22E-07	5.21E-07	0.00E+00	3.13E-07	1.38E-06	8.64E-07	1.46E-06	9.31E-07	1.21E-06	2.59E-07	2.60E-07	2.59E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Carpark near Tat Fuk Road**	HCP04_01	AREAPOLY	817041.1	831045.1	18.5	3.5	5137.6	817041.1 831045.1 817047.2 831048.9 817065.6 831041.3 817075.9 831035.3 817079.1 831039.5 817091.8 831034.2 817110.4 831051.2 817117.5 831047.2 817123.1 831052.2 817132.1 831039.9 817127.1 831035.0 817132.1 831027.7 817130.9 831026.1 817130.8 831021.3 817117.3 830993.0 817136.7 830978.7 817123.9 830968.9 817120.4 830962.1 817111.6 830964.1 817110.8 830974.9 817099.6 830975.0 817052.5 830993.6 817043.0 831030.6 817041.1 831045.1	24	3.26	6.97E-08	6.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	0.00E+00	2.89E-07	9.45E-08	3.59E-07	1.40E-07	1.40E-07	0.00E+00	7.99E-08	3.68E-07	2.29E-07	3.91E-07	2.43E-07	3.22E-07	6.95E-08	6.97E-08	6.97E-08

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

						Line Source					Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	Route A	HCP04_A01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A12	LINE	816981.8	830867.6	816894.1	830841.8	10.5	18.3	1.7	1.58	33%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	0.00E+00	6.85E-08	7.78E-09	6.95E-08	3.03E-08	3.03E-08	0.00E+00	9.47E-10	6.95E-08	3.60E-08	7.80E-08	2.43E-08	6.34E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_A13	LINE	816894.1	830841.8	816860.5	830839.5	10.5	17.5	1.7	1.58	33%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	0.00E+00	6.85E-08	7.78E-09	6.95E-08	3.03E-08	3.03E-08	0.00E+00	9.47E-10	6.95E-08	3.60E-08	7.80E-08	2.43E-08	6.34E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_A14	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A15	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A16	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A17	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A18	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A19	LINE	816730.7	830931.1	816728.4	830938.4	11.5	14.5	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
HCP04	Route B	HCP04_B01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B12	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B13	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B14	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B15	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B16	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B17	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B18	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B19	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B20	LINE	817192.7	830846.5	817201.6	830855.3	11	26	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
HCP04	Route C	HCP04_C01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C04	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C05	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C06	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C07	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C08	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C09	LINE	817283.8	831147.5	817303.4	831215.8	9.5	23.7	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C10	LINE	817303.4	831215.8	817314.5	831263.3	9.5	21.5	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C11	LINE	817314.5	831263.3	817315.4	831270.2	9.5	20.5	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C12	LINE	817315.4	831270.2	817311.5	831279.5	9.5	21.2	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C13	LINE	817311.5	831279.5	817295.9	831298.6	9.5	21.6	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C14	LINE	817295.9	831298.6	817320.2	831324.1	9.5	21.5	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C15	LINE	817320.2	831324.1	817346.8	831355.1	9.5	20.9	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C16	LINE	817346.8	831355.1	817365.2	831378.6	9.5	20.2	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
HCP04	Access road	HCP04_AC01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	100%	1.28E-07	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	5.15E-07	1.79E-07	6.49E-07	2.57E-07	2.57E-07	0.00E+00	1.54E-07	6.67E-07	4.25E-07	7.21E-07	4.59E-07	5.94E-07	1.27E-07	1.28E-07	1.28E-07
		HCP04_AC02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	100%	1.28E-07	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	5.15E-07	1.79E-07	6.49E-07	2.57E-07	2.57E-07	0.00E+00	1.54E-07	6.67E-07	4.25E-07	7.21E-07	4.59E-07	5.94E-07	1.27E-07	1.28E-07	1.28E-07
		HCP04_AC03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	100%	1.28E-07	1.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	5.15E-07	1.79E-07	6.49E-07	2.57E-07	2.57E-07	0.00E+00	1.54E-07	6.67E-07	4.25E-07	7.21E-07	4.59E-07	5.94E-07	1.27E-07	1.28E-07	1.28E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Carpark near Tat Fuk Road**	HCP04_01	AREAPOLY	817041.1	831045.1	18.5	3.5	5137.6	817041.1 831045.1 817047.2 831048.9 817065.6 831041.3 817075.9 831035.3 817079.1 831039.5 817091.8 831034.2 817110.4 831051.2 817117.5 831047.2 817123.1 831052.2 817132.1 831039.9 817127.1 831035.0 817132.1 831027.7 817130.9 831026.1 817130.8 831021.3 817117.3 830993.0 817136.7 830978.7 817123.9 830968.9 817120.4 830962.1 817111.6 830964.1 817110.8 830974.9 817099.6 830975.0 817052.5 830993.6 817043.0 831030.6 817041.1 831045.1	24	3.26	3.43E-08	3.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	0.00E+00	1.39E-07	4.65E-08	1.74E-07	6.91E-08	6.89E-08	0.00E+00	3.94E-08	1.78E-07	1.13E-07	1.93E-07	1.20E-07	1.59E-07	3.42E-08	3.43E-08	3.43E-08

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP09

INDEX

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1							1	1											
1	2							1	1											
2	3							1	1											
3	4							1	1											
4	5							1	1											
5	6							1	1											
6	7							1	1											
7	8																			2
8	9																			2
9	10						1		1											1
10	11						1		1											1
11	12						1		1											1
12	13						1		1											1
13	14						1		1											1
14	15						1		1											1
15	16						1		1											1
16	17						1		1											1
17	18							1												
18	19							1												
19	20							1	1											
20	21							1	1											
21	22							1	1											
22	23							1	1											
23	0							1	1											

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Routing (m)				
Starting inside PTI/ Carpark[1]	100	14%	Bypass route	0
Starting on Public Road	600	86%	Running inside PTI/ Carpark[1]	215
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	3.24E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.59E-04	2.25E-05	0.00E+00	1.35E-04
2	0.00E+00	0.00E+00	3.25E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.60E-04	2.25E-05	0.00E+00	1.35E-04
3	0.00E+00	0.00E+00	3.25E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.60E-04	2.25E-05	0.00E+00	1.35E-04
4	0.00E+00	0.00E+00	3.25E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.60E-04	2.25E-05	0.00E+00	1.35E-04
5	0.00E+00	0.00E+00	3.25E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.60E-04	2.25E-05	0.00E+00	1.35E-04
6	0.00E+00	0.00E+00	3.26E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.61E-04	2.25E-05	0.00E+00	1.35E-04
7	0.00E+00	0.00E+00	3.28E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.62E-04	2.25E-05	0.00E+00	1.35E-04
8	0.00E+00	0.00E+00	3.27E-04	2.12E-04	0.00E+00	1.27E-03	0.00E+00	0.00E+00	1.61E-04	1.04E-04	0.00E+00	6.25E-04
9	0.00E+00	0.00E+00	3.28E-04	2.12E-04	0.00E+00	1.27E-03	0.00E+00	0.00E+00	1.62E-04	1.04E-04	0.00E+00	6.25E-04
10	0.00E+00	0.00E+00	4.93E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.43E-04	7.23E-05	0.00E+00	4.34E-04
11	0.00E+00	0.00E+00	4.92E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.42E-04	7.23E-05	0.00E+00	4.34E-04
12	0.00E+00	0.00E+00	4.91E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.42E-04	7.23E-05	0.00E+00	4.34E-04
13	0.00E+00	0.00E+00	4.91E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.42E-04	7.23E-05	0.00E+00	4.34E-04
14	0.00E+00	0.00E+00	4.89E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.41E-04	7.23E-05	0.00E+00	4.34E-04
15	0.00E+00	0.00E+00	4.86E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.39E-04	7.23E-05	0.00E+00	4.34E-04
16	0.00E+00	0.00E+00	4.88E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.40E-04	7.23E-05	0.00E+00	4.34E-04
17	0.00E+00	0.00E+00	4.88E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.40E-04	7.23E-05	0.00E+00	4.34E-04
18	0.00E+00	0.00E+00	1.62E-04	1.85E-05	0.00E+00	1.11E-04	0.00E+00	0.00E+00	7.97E-05	9.12E-06	0.00E+00	5.47E-05
19	0.00E+00	0.00E+00	1.62E-04	1.85E-05	0.00E+00	1.11E-04	0.00E+00	0.00E+00	7.96E-05	9.12E-06	0.00E+00	5.47E-05
20	0.00E+00	0.00E+00	3.23E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.59E-04	2.25E-05	0.00E+00	1.35E-04
21	0.00E+00	0.00E+00	3.22E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.59E-04	2.25E-05	0.00E+00	1.35E-04
22	0.00E+00	0.00E+00	3.22E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.58E-04	2.25E-05	0.00E+00	1.35E-04
23	0.00E+00	0.00E+00	3.24E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.59E-04	2.25E-05	0.00E+00	1.35E-04
24	0.00E+00	0.00E+00	3.23E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.59E-04	2.25E-05	0.00E+00	1.35E-04

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Vehicle Type: HGV8 7

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			2
9	10				1	1														1
10	11				1	1														1
11	12				1	1														1
12	13				1	1														1
13	14				1	1														1
14	15				1	1														1
15	16				1	1														1
16	17				1	1														1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Routing (m)				
Starting inside PTI/ Carpark[1]	100	14%	Bypass route	0
Starting on Public Road	600	86%	Running inside PTI/ Carpark[1]	215
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	1.42E-04	1.06E-04	0.00E+00	6.35E-04	0.00E+00	0.00E+00	7.00E-05	5.21E-05	0.00E+00	3.13E-04
9	0.00E+00	0.00E+00	2.85E-04	2.12E-04	0.00E+00	1.27E-03	0.00E+00	0.00E+00	1.40E-04	1.04E-04	0.00E+00	6.25E-04
10	0.00E+00	0.00E+00	4.28E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.11E-04	6.16E-05	0.00E+00	3.69E-04
11	0.00E+00	0.00E+00	4.27E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.10E-04	6.16E-05	0.00E+00	3.69E-04
12	0.00E+00	0.00E+00	4.27E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.10E-04	6.16E-05	0.00E+00	3.69E-04
13	0.00E+00	0.00E+00	4.27E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.10E-04	6.16E-05	0.00E+00	3.69E-04
14	0.00E+00	0.00E+00	4.25E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.09E-04	6.16E-05	0.00E+00	3.69E-04
15	0.00E+00	0.00E+00	4.22E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.08E-04	6.16E-05	0.00E+00	3.69E-04
16	0.00E+00	0.00E+00	4.24E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.09E-04	6.16E-05	0.00E+00	3.69E-04
17	0.00E+00	0.00E+00	4.24E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.09E-04	6.16E-05	0.00E+00	3.69E-04
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	100	14%	Bypass route	0
Starting on Public Road	600	86%	Running inside PTI/ Carpark [1]	215
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: HGV9 17

Day: 1

Hour		No. of Trip [1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			5
8	9																			7
9	10		1		1	2	2	2	1											
10	11		1		1	2	2	2	1											
11	12		1		1	2	2	2	1											
12	13		1		1	2	2	2	1											
13	14		1		1	2	2	2	1											
14	15		1		1	2	2	2	1											
15	16		1		1	2	2	2	1											
16	17		1		1	2	2	2	1											
17	18		2						1											
18	19		2						1											
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	7.09E-04	5.29E-04	0.00E+00	3.18E-03	0.00E+00	0.00E+00	3.49E-04	2.61E-04	0.00E+00	1.56E-03
9	0.00E+00	0.00E+00	9.96E-04	7.41E-04	0.00E+00	4.45E-03	0.00E+00	0.00E+00	4.90E-04	3.65E-04	0.00E+00	2.19E-03
10	0.00E+00	0.00E+00	1.28E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.31E-04	6.19E-05	0.00E+00	3.71E-04
11	0.00E+00	0.00E+00	1.28E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.30E-04	6.19E-05	0.00E+00	3.71E-04
12	0.00E+00	0.00E+00	1.28E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.29E-04	6.19E-05	0.00E+00	3.71E-04
13	0.00E+00	0.00E+00	1.28E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.29E-04	6.19E-05	0.00E+00	3.71E-04
14	0.00E+00	0.00E+00	1.27E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.26E-04	6.19E-05	0.00E+00	3.71E-04
15	0.00E+00	0.00E+00	1.26E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.22E-04	6.19E-05	0.00E+00	3.71E-04
16	0.00E+00	0.00E+00	1.27E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.25E-04	6.19E-05	0.00E+00	3.71E-04
17	0.00E+00	0.00E+00	1.27E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.25E-04	6.19E-05	0.00E+00	3.71E-04
18	0.00E+00	0.00E+00	4.21E-04	3.38E-05	0.00E+00	2.03E-04	0.00E+00	0.00E+00	2.07E-04	1.66E-05	0.00E+00	9.96E-05
19	0.00E+00	0.00E+00	4.21E-04	3.38E-05	0.00E+00	2.03E-04	0.00E+00	0.00E+00	2.07E-04	1.66E-05	0.00E+00	9.96E-05
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

						Line Source					Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	**Route A**	HCP09_A01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	56%	2.44E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08	4.53E-07	6.23E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.80E-08	2.80E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08
		HCP09_A02	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A03	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A04	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A05	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A06	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A07	LINE	816730.7	830931.1	816702	831025	11.5	14.5	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A08	LINE	816702	831025	816673	831117.7	11	13.3	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A09	LINE	816673	831117.7	816643.9	831210.5	11	11.7	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A10	LINE	816643.9	831210.5	816637	831227.1	11	11.4	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A11	LINE	816637	831227.1	816624.6	831246.7	11	11.2	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A12	LINE	816624.6	831246.7	816604.1	831268.8	11	10.8	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A13	LINE	816604.1	831268.8	816558.4	831308.7	11	10.3	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
HCP09	**Route B**	HCP09_B01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.59E-09	9.59E-09	9.59E-09	9.59E-09
		HCP09_B02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.59E-09	9.59E-09	9.59E-09	9.59E-09
		HCP09_B03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.59E-09	9.59E-09	9.59E-09	9.59E-09
		HCP09_B04	LINE	816981.8	830867.6	817004.4	830874.4	12	19.7	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B05	LINE	817004.4	830874.4	817021.6	830876	12	20.3	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B06	LINE	817021.6	830876	817038.1	830873.9	12	20.9	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B07	LINE	817038.1	830873.9	817054.9	830868.6	12	20.8	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B08	LINE	817054.9	830868.6	817067.6	830867.1	12	20.6	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B09	LINE	817067.6	830867.1	817087.2	830879.8	9.5	20.4	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B10	LINE	817087.2	830879.8	817116.4	830910.4	9.5	20.7	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B11	LINE	817116.4	830910.4	817157.2	830948.3	9.5	21.3	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B12	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B13	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B14	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B15	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B16	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B17	LINE	817283.8	831147.5	817288.3	831163.2	9.5	23.7	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
HCP09	**Route C**	HCP09_C01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.60E-09	9.60E-09	9.60E-09	9.60E-09
		HCP09_C02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.60E-09	9.60E-09	9.60E-09	9.60E-09
		HCP09_C03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.60E-09	9.60E-09	9.60E-09	9.60E-09
		HCP09_C04	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C05	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C06	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C07	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C08	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C09	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C10	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C11	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C12	LINE	817192.7	830846.5	817210.3	830864	11	26	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C13	LINE	817210.3	830864	817255.2	830916.2	11	27	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C14	LINE	817255.2	830916.2	817310.9	830981.5	9.5	28.9	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	**Carpark near To Lai Road**	HCP09_01	AREAPOLY	816806.1	830848.6	16.1	3.4	3346.8	816806.1 830848.6 816861.9 830832.3 816862.7 830816.6 816856.9 830807.7 816857.0 830801.1 816855.4 830794.4 816846.7 830793.5 816846.1 830788.7 816842.4 830787.5 816836.3 830792.4 816830.4 830786.7 816783.8 830791.5 816773.8 830795.1 816778.0 830814.3 816791.8 830810.0 816798.4 830809.6 816807.1 830821.3 816807.9 830832.9 816806.1 830848.6	19	3.18	1.10E-07	1.11E-07	1.11E-07	1.11E-07	1.11E-07	1.11E-07	1.12E-07	6.05E-07	8.29E-07	7.77E-07	7.76E-07	7.74E-07	7.74E-07	7.72E-07	7.67E-07	7.70E-07	7.70E-07	1.90E-07	1.90E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

					Line Source					Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	Route A	HCP09_A01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	56%	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	2.23E-07	3.07E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.38E-08	1.38E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08
		HCP09_A02	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A03	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A04	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A05	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A06	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A07	LINE	816730.7	830931.1	816702	831025	11.5	14.5	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A08	LINE	816702	831025	816673	831117.7	11	13.3	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A09	LINE	816673	831117.7	816643.9	831210.5	11	11.7	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A10	LINE	816643.9	831210.5	816637	831227.1	11	11.4	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A11	LINE	816637	831227.1	816624.6	831246.7	11	11.2	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A12	LINE	816624.6	831246.7	816604.1	831268.8	11	10.8	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A13	LINE	816604.1	831268.8	816558.4	831308.7	11	10.3	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
HCP09	Route B	HCP09_B01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	8.76E-08	1.20E-07	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	5.41E-09	5.41E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09
		HCP09_B02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	8.76E-08	1.20E-07	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	5.41E-09	5.41E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09
		HCP09_B03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	8.76E-08	1.20E-07	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	5.41E-09	5.41E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09
		HCP09_B04	LINE	816981.8	830867.6	817004.4	830874.4	12	19.7	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B05	LINE	817004.4	830874.4	817021.6	830876	12	20.3	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B06	LINE	817021.6	830876	817038.1	830873.9	12	20.9	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B07	LINE	817038.1	830873.9	817054.9	830868.6	12	20.8	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B08	LINE	817054.9	830868.6	817067.6	830867.1	12	20.6	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B09	LINE	817067.6	830867.1	817087.2	830879.8	9.5	20.4	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B10	LINE	817087.2	830879.8	817116.4	830910.4	9.5	20.7	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B11	LINE	817116.4	830910.4	817157.2	830948.3	9.5	21.3	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B12	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B13	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B14	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B15	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B16	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B17	LINE	817283.8	831147.5	817288.3	831163.2	9.5	23.7	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
HCP09	Route C	HCP09_C01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	8.77E-08	1.21E-07	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	5.41E-09	5.41E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09
		HCP09_C02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	8.77E-08	1.21E-07	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	5.41E-09	5.41E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09
		HCP09_C03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	8.77E-08	1.21E-07	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	5.41E-09	5.41E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09
		HCP09_C04	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C05	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C06	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C07	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C08	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C09	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C10	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C11	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C12	LINE	817192.7	830846.5	817210.3	830864	11	26	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C13	LINE	817210.3	830864	817255.2	830916.2	11	27	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C14	LINE	817255.2	830916.2	817310.9	830981.5	9.5	28.9	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.69E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	**Carpark near To Lai Road**	HCP09_01	AREAPOLY	816806.1	830848.6	16.1	3.4	3346.8	816806.1 830848.6 816861.9 830832.3 816862.7 830816.6 816856.9 830807.7 816857.0 830801.1 816855.4 830794.4 816846.7 830793.5 816846.1 830788.7 816842.4 830787.5 816836.3 830792.4 816830.4 830786.7 816783.8 830791.5 816773.8 830795.1 816778.0 830814.3 816791.8 830810.0 816798.4 830809.6 816807.1 830821.3 816807.9 830832.9 816806.1 830848.6	19	3.18	5.44E-08	5.45E-08	5.45E-08	5.45E-08	5.46E-08	5.47E-08	5.50E-08	2.98E-07	4.08E-07	3.83E-07	3.82E-07	3.81E-07	3.81E-07	3.80E-07	3.78E-07	3.79E-07	3.79E-07	9.34E-08	9.33E-08	5.42E-08	5.41E-08	5.40E-08	5.44E-08	5.43E-08

Note:

1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP11

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB6 11

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12									1										1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18		1																	
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	7.08E-05	1.10E-04	9.08E-05	2.76E-04	0.00E+00	0.00E+00	2.75E-05	4.26E-05	3.53E-05	1.07E-04
9	0.00E+00	0.00E+00	7.10E-05	1.10E-04	9.10E-05	2.76E-04	0.00E+00	0.00E+00	2.76E-05	4.26E-05	3.54E-05	1.07E-04
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	1.42E-04	1.45E-04	1.45E-04	3.63E-04	0.00E+00	0.00E+00	5.51E-05	5.62E-05	5.66E-05	1.41E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	7.00E-05	3.42E-06	3.89E-05	8.61E-06	0.00E+00	0.00E+00	2.72E-05	1.33E-06	1.51E-05	3.35E-06
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB7 12

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12									1										1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	9.95E-05	1.94E-04	1.47E-04	4.88E-04	0.00E+00	0.00E+00	4.90E-05	9.56E-05	7.25E-05	2.40E-04
9	0.00E+00	0.00E+00	9.99E-05	1.94E-04	1.47E-04	4.88E-04	0.00E+00	0.00E+00	4.92E-05	9.56E-05	7.26E-05	2.40E-04
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	1.99E-04	2.56E-04	2.30E-04	6.43E-04	0.00E+00	0.00E+00	9.81E-05	1.26E-04	1.13E-04	3.17E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1		1																	
1	2		1																	
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			3
8	9																			3
9	10			1			1													
10	11									1										
11	12									3										3
12	13																			
13	14		1																	
14	15		3										1	1						
15	16								1							1				
16	17			1					1											
17	18		3					1												
18	19																			
19	20																			
20	21		1																	
21	22		1																	
22	23		1																	
23	0		1																	

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	2.41E-04	5.79E-06	1.31E-04	1.46E-05	0.00E+00	0.00E+00	1.19E-04	2.85E-06	6.44E-05	7.16E-06
2	0.00E+00	0.00E+00	2.42E-04	5.79E-06	1.31E-04	1.46E-05	0.00E+00	0.00E+00	1.19E-04	2.85E-06	6.47E-05	7.16E-06
3	0.00E+00	0.00E+00	2.42E-04	1.85E-04	2.18E-04	4.66E-04	0.00E+00	0.00E+00	1.19E-04	9.12E-05	1.08E-04	2.29E-04
4	0.00E+00	0.00E+00	2.42E-04	1.85E-04	2.18E-04	4.66E-04	0.00E+00	0.00E+00	1.19E-04	9.12E-05	1.08E-04	2.29E-04
5	0.00E+00	0.00E+00	2.42E-04	1.85E-04	2.19E-04	4.66E-04	0.00E+00	0.00E+00	1.19E-04	9.12E-05	1.08E-04	2.29E-04
6	0.00E+00	0.00E+00	2.43E-04	1.85E-04	2.19E-04	4.66E-04	0.00E+00	0.00E+00	1.19E-04	9.12E-05	1.08E-04	2.29E-04
7	0.00E+00	0.00E+00	2.44E-04	1.85E-04	2.20E-04	4.66E-04	0.00E+00	0.00E+00	1.20E-04	9.12E-05	1.08E-04	2.29E-04
8	0.00E+00	0.00E+00	7.30E-04	5.56E-04	6.58E-04	1.40E-03	0.00E+00	0.00E+00	3.59E-04	2.74E-04	3.24E-04	6.88E-04
9	0.00E+00	0.00E+00	7.33E-04	5.56E-04	6.59E-04	1.40E-03	0.00E+00	0.00E+00	3.61E-04	2.74E-04	3.25E-04	6.88E-04
10	0.00E+00	0.00E+00	4.89E-04	3.47E-05	2.77E-04	8.73E-05	0.00E+00	0.00E+00	2.41E-04	1.71E-05	1.36E-04	4.30E-05
11	0.00E+00	0.00E+00	2.44E-04	5.90E-05	1.58E-04	1.48E-04	0.00E+00	0.00E+00	1.20E-04	2.91E-05	7.79E-05	7.31E-05
12	0.00E+00	0.00E+00	1.46E-03	7.33E-04	1.13E-03	1.84E-03	0.00E+00	0.00E+00	7.19E-04	3.61E-04	5.57E-04	9.07E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	2.42E-04	5.79E-06	1.32E-04	1.46E-05	0.00E+00	0.00E+00	1.19E-04	2.85E-06	6.48E-05	7.16E-06
15	0.00E+00	0.00E+00	1.20E-03	2.95E-04	7.83E-04	7.42E-04	0.00E+00	0.00E+00	5.93E-04	1.45E-04	3.86E-04	3.65E-04
16	0.00E+00	0.00E+00	4.84E-04	2.21E-04	3.64E-04	5.56E-04	0.00E+00	0.00E+00	2.38E-04	1.09E-04	1.79E-04	2.74E-04
17	0.00E+00	0.00E+00	4.84E-04	5.79E-05	2.85E-04	1.46E-04	0.00E+00	0.00E+00	2.38E-04	2.85E-05	1.40E-04	7.17E-05
18	0.00E+00	0.00E+00	9.63E-04	4.98E-05	5.36E-04	1.25E-04	0.00E+00	0.00E+00	4.74E-04	2.45E-05	2.64E-04	6.16E-05
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	2.40E-04	5.79E-06	1.30E-04	1.46E-05	0.00E+00	0.00E+00	1.18E-04	2.85E-06	6.41E-05	7.16E-06
22	0.00E+00	0.00E+00	2.39E-04	5.79E-06	1.30E-04	1.46E-05	0.00E+00	0.00E+00	1.18E-04	2.85E-06	6.40E-05	7.16E-06
23	0.00E+00	0.00E+00	2.41E-04	5.79E-06	1.31E-04	1.46E-05	0.00E+00	0.00E+00	1.19E-04	2.85E-06	6.44E-05	7.16E-06
24	0.00E+00	0.00E+00	2.41E-04	5.79E-06	1.31E-04	1.46E-05	0.00E+00	0.00E+00	1.18E-04	2.85E-06	6.43E-05	7.16E-06

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: HGV7 6

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			
9	10																			2
10	11																			
11	12																			
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	8.50E-05	1.94E-04	1.39E-04	4.88E-04	0.00E+00	0.00E+00	4.19E-05	9.55E-05	6.86E-05	2.40E-04
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	1.71E-04	3.88E-04	2.79E-04	9.75E-04	0.00E+00	0.00E+00	8.41E-05	1.91E-04	1.37E-04	4.80E-04
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: HGV8 7

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3															1				1
3	4															1				1
4	5															1				1
5	6															1				1
6	7															1				1
7	8																			3
8	9															2				2
9	10																			5
10	11																			
11	12																			
12	13					2														
13	14																			
14	15																			2
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	4.20E-04	3.59E-04	3.98E-04	9.02E-04	0.00E+00	0.00E+00	2.07E-04	1.77E-04	1.96E-04	4.44E-04
4	0.00E+00	0.00E+00	4.20E-04	3.59E-04	3.98E-04	9.02E-04	0.00E+00	0.00E+00	2.07E-04	1.77E-04	1.96E-04	4.44E-04
5	0.00E+00	0.00E+00	4.21E-04	3.59E-04	3.98E-04	9.02E-04	0.00E+00	0.00E+00	2.07E-04	1.77E-04	1.96E-04	4.44E-04
6	0.00E+00	0.00E+00	4.22E-04	3.59E-04	3.98E-04	9.02E-04	0.00E+00	0.00E+00	2.08E-04	1.77E-04	1.96E-04	4.44E-04
7	0.00E+00	0.00E+00	4.24E-04	3.59E-04	4.00E-04	9.02E-04	0.00E+00	0.00E+00	2.09E-04	1.77E-04	1.97E-04	4.44E-04
8	0.00E+00	0.00E+00	6.35E-04	5.56E-04	6.07E-04	1.40E-03	0.00E+00	0.00E+00	3.12E-04	2.74E-04	2.99E-04	6.88E-04
9	0.00E+00	0.00E+00	8.49E-04	7.18E-04	8.00E-04	1.80E-03	0.00E+00	0.00E+00	4.18E-04	3.53E-04	3.94E-04	8.88E-04
10	0.00E+00	0.00E+00	1.06E-03	9.26E-04	1.01E-03	2.33E-03	0.00E+00	0.00E+00	5.23E-04	4.56E-04	4.99E-04	1.15E-03
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	4.23E-04	3.94E-05	2.44E-04	9.90E-05	0.00E+00	0.00E+00	2.08E-04	1.94E-05	1.20E-04	4.87E-05
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	4.19E-04	3.71E-04	4.02E-04	9.32E-04	0.00E+00	0.00E+00	2.06E-04	1.82E-04	1.98E-04	4.59E-04
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: HGV9 17

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			7
8	9																			2
9	10																			
10	11																			
11	12																			
12	13																			
13	14																			
14	15		2																	4
15	16																			
16	17																			
17	18																			
18	19		2																	
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
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5	13	62
6	13	61
7	12	61
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9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	2.10E-04	1.85E-04	2.01E-04	4.66E-04	0.00E+00	0.00E+00	1.03E-04	9.12E-05	9.91E-05	2.29E-04
4	0.00E+00	0.00E+00	2.10E-04	1.85E-04	2.01E-04	4.66E-04	0.00E+00	0.00E+00	1.03E-04	9.12E-05	9.91E-05	2.29E-04
5	0.00E+00	0.00E+00	2.10E-04	1.85E-04	2.02E-04	4.66E-04	0.00E+00	0.00E+00	1.03E-04	9.12E-05	9.92E-05	2.29E-04
6	0.00E+00	0.00E+00	2.10E-04	1.85E-04	2.02E-04	4.66E-04	0.00E+00	0.00E+00	1.04E-04	9.12E-05	9.93E-05	2.29E-04
7	0.00E+00	0.00E+00	2.12E-04	1.85E-04	2.02E-04	4.66E-04	0.00E+00	0.00E+00	1.04E-04	9.12E-05	9.96E-05	2.29E-04
8	0.00E+00	0.00E+00	1.48E-03	1.30E-03	1.41E-03	3.26E-03	0.00E+00	0.00E+00	7.27E-04	6.38E-04	6.96E-04	1.60E-03
9	0.00E+00	0.00E+00	4.24E-04	3.71E-04	4.05E-04	9.32E-04	0.00E+00	0.00E+00	2.09E-04	1.82E-04	1.99E-04	4.59E-04
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	1.25E-03	7.53E-04	1.03E-03	1.89E-03	0.00E+00	0.00E+00	6.17E-04	3.70E-04	5.08E-04	9.31E-04
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	4.17E-04	1.16E-05	2.27E-04	2.91E-05	0.00E+00	0.00E+00	2.05E-04	5.69E-06	1.12E-04	1.43E-05
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source							Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	Route A	HCP11_A01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	1.1%	3.34E-11	3.34E-11	4.21E-09	4.21E-09	4.21E-09	4.21E-09	4.21E-09	1.68E-08	1.12E-08	7.79E-09	3.41E-10	6.54E-09	2.27E-10	3.34E-11	8.19E-09	1.28E-09	3.34E-10	3.07E-10	6.69E-11	0.00E+00	3.34E-11	3.34E-11	3.34E-11	3.34E-11
		HCP11_A02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	1.1%	3.34E-11	3.34E-11	4.21E-09	4.21E-09	4.21E-09	4.21E-09	4.21E-09	1.68E-08	1.12E-08	7.79E-09	3.41E-10	6.54E-09	2.27E-10	3.34E-11	8.19E-09	1.28E-09	3.34E-10	3.07E-10	6.69E-11	0.00E+00	3.34E-11	3.34E-11	3.34E-11	3.34E-11
		HCP11_A03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	1.1%	3.34E-11	3.34E-11	4.21E-09	4.21E-09	4.21E-09	4.21E-09	4.21E-09	1.68E-08	1.12E-08	7.79E-09	3.41E-10	6.54E-09	2.27E-10	3.34E-11	8.19E-09	1.28E-09	3.34E-10	3.07E-10	6.69E-11	0.00E+00	3.34E-11	3.34E-11	3.34E-11	3.34E-11
		HCP11_A04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	1.1%	2.12E-11	2.12E-11	2.67E-09	2.67E-09	2.67E-09	2.67E-09	2.67E-09	1.06E-08	7.12E-09	4.93E-09	2.16E-10	4.14E-09	1.44E-10	2.12E-11	5.19E-09	8.08E-10	2.12E-10	1.95E-10	4.24E-11	0.00E+00	2.12E-11	2.12E-11	2.12E-11	2.12E-11
		HCP11_A05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	1.1%	2.12E-11	2.12E-11	2.67E-09	2.67E-09	2.67E-09	2.67E-09	2.67E-09	1.06E-08	7.12E-09	4.93E-09	2.16E-10	4.14E-09	1.44E-10	2.12E-11	5.19E-09	8.08E-10	2.12E-10	1.95E-10	4.24E-11	0.00E+00	2.12E-11	2.12E-11	2.12E-11	2.12E-11
		HCP11_A06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	1.1%	2.12E-11	2.12E-11	2.67E-09	2.67E-09	2.67E-09	2.67E-09	2.67E-09	1.06E-08	7.12E-09	4.93E-09	2.16E-10	4.14E-09	1.44E-10	2.12E-11	5.19E-09	8.08E-10	2.12E-10	1.95E-10	4.24E-11	0.00E+00	2.12E-11	2.12E-11	2.12E-11	2.12E-11
		HCP11_A14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	1.1%	2.12E-11	2.12E-11	2.67E-09	2.67E-09	2.67E-09	2.67E-09	2.67E-09	1.06E-08	7.12E-09	4.93E-09	2.16E-10	4.14E-09	1.44E-10	2.12E-11	5.19E-09	8.08E-10	2.12E-10	1.95E-10	4.24E-11	0.00E+00	2.12E-11	2.12E-11	2.12E-11	2.12E-11
		HCP11_A15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A19	LINE	816241.3	830628.5	816235	830649.8	13	5.9	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	1.1%	2.76E-11	2.76E-11	3.48E-09	3.48E-09	3.48E-09	3.48E-09	3.48E-09	1.39E-08	9.29E-09	6.43E-09	2.82E-10	5.40E-09	1.88E-10	2.76E-11	6.77E-09	1.05E-09	2.76E-10	2.54E-10	5.52E-11	0.00E+00	2.76E-11	2.76E-11	2.76E-11	2.76E-11
		HCP11_A24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	1.1%	2.76E-11	2.76E-11	3.48E-09	3.48E-09	3.48E-09	3.48E-09	3.48E-09	1.39E-08	9.29E-09	6.43E-09	2.82E-10	5.40E-09	1.88E-10	2.76E-11	6.77E-09	1.05E-09	2.76E-10	2.54E-10	5.52E-11	0.00E+00	2.76E-11	2.76E-11	2.76E-11	2.76E-11
		HCP11_A25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	1.1%	2.76E-11	2.76E-11	3.48E-09	3.48E-09	3.48E-09	3.48E-09	3.48E-09	1.39E-08	9.29E-09	6.43E-09	2.82E-10	5.40E-09	1.88E-10	2.76E-11	6.77E-09	1.05E-09	2.76E-10	2.54E-10	5.52E-11	0.00E+00	2.76E-11	2.76E-11	2.76E-11	2.76E-11
		HCP11_A26	LINE	816136.6	830673.2	816149.6	830652.2	11.5	5.5	1.7	1.58	1.1%	2.76E-11	2.76E-11	3.48E-09	3.48E-09	3.48E-09	3.48E-09	3.48E-09	1.39E-08	9.29E-09	6.43E-09	2.82E-10	5.40E-09	1.88E-10	2.76E-11	6.77E-09	1.05E-09	2.76E-10	2.54E-10	5.52E-11	0.00E+00	2.76E-11	2.76E-11	2.76E-11	2.76E-11
HCP11	Route B	HCP11_B01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	0.6%	1.82E-11	1.82E-11	2.30E-09	2.30E-09	2.30E-09	2.30E-09	2.30E-09	9.15E-09	6.13E-09	4.25E-09	1.86E-10	3.57E-09	1.24E-10	1.82E-11	4.47E-09	6.96E-10	1.82E-10	1.68E-10	3.65E-11	0.00E+00	1.82E-11	1.82E-11	1.82E-11	1.82E-11
		HCP11_B02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	0.6%	1.82E-11	1.82E-11	2.30E-09	2.30E-09	2.30E-09	2.30E-09	2.30E-09	9.15E-09	6.13E-09	4.25E-09	1.86E-10	3.57E-09	1.24E-10	1.82E-11	4.47E-09	6.96E-10	1.82E-10	1.68E-10	3.65E-11	0.00E+00	1.82E-11	1.82E-11	1.82E-11	1.82E-11
		HCP11_B03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	0.6%	1.82E-11	1.82E-11	2.30E-09	2.30E-09	2.30E-09	2.30E-09	2.30E-09	9.15E-09	6.13E-09	4.25E-09	1.86E-10	3.57E-09	1.24E-10	1.82E-11	4.47E-09	6.96E-10	1.82E-10	1.68E-10	3.65E-11	0.00E+00	1.82E-11	1.82E-11	1.82E-11	1.82E-11
		HCP11_B04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B18	LINE	816243.7	830605.7	816241.3	830627.9	13	6	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B19	LINE	816241.3	830627.9	816235	830649.8	13	5.9	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B21	LINE	816227.5	830666.2	816210	830686.5	13	5.6	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B22	LINE	816210	830686.5	816175.6	830719.3	13	5.4	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	0.6%	1.51E-11	1.51E-11	1.90E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	7.56E-09	5.07E-09	3.51E-09	1.54E-10	2.95E-09	1.02E-10	1.51E-11	3.69E-09	5.75E-10	1.51E-10	1.38E-10	3.01E-11	0.00E+00	1.51E-11	1.51E-11	1.51E-11	1.51E-11
		HCP11_B24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	0.6%	1.51E-11	1.51E-11	1.90E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	7.56E-09	5.07E-09	3.51E-09	1.54E-10	2.95E-09	1.02E-10	1.51E-11	3.69E-09	5.75E-10	1.51E-10	1.38E-10	3.01E-11	0.00E+00	1.51E-11	1.51E-11	1.51E-11	1.51E-11
		HCP11_B25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	0.6%	1.51E-11	1.51E-11	1.90E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	7.56E-09	5.07E-09	3.51E-09	1.54E-10	2.95E-09	1.02E-10	1.51E-11	3.69E-09	5.75E-10	1.51E-10	1.38E-10	3.01E-11	0.00E+00	1.51E-11	1.51E-11	1.51E-11	1.51E-11
		HCP11_B26	LINE	816136.6	830673.2	816133.2	830661.4	15	5.4	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B27	LINE	816133.2	830661.4	816127	830650.7	15	5.4	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
HCP11	Route C	HCP11_C01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	0.6%	1.68E-11	1.68E-11	2.12E-09	2.12E-09	2.12E-09	2.12E-09	2.12E-09	8.44E-09	5.65E-09	3.92E-09	1.71E-10	3.29E-09	1.14E-10	1.68E-11	4.12E-09	6.42E-10	1.68E-10	1.54E-10	3.36E-11	0.00E+00	1.68E-11	1.68E-11	1.68E-11	1.68E-11
		HCP11_C02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	0.6%	1.68E-11	1.68E-11	2.12E-09	2.12E-09	2.12E-09	2.12E-09	2.12E-09	8.44E-09	5.65E-09	3.92E-09	1.71E-10	3.29E-09	1.14E-10	1.68E-11	4.12E-09	6.42E-10	1.68E-10	1.54E-10	3.36E-11	0.00E+00	1.68E-11	1.68E-11	1.68E-11	1.68E-11
		HCP11_C03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	0.6%	1.68E-11	1.68E-11	2.12E-09	2.12E-09	2.12E-09	2.12E-09	2.12E-09	8.44E-09	5.65E-09	3.92E-09	1.71E-10	3.29E-09	1.14E-10	1.68E-11	4.12E-09	6.42E-10	1.68E-10	1.54E-10	3.36E-11	0.00E+00	1.68E-11	1.68E-11	1.68E-11	1.68E-11
		HCP11_C04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	0.6%	1.06E-11	1.06E-11	1.34E-09	1.34E-09	1.34E-09	1.34E-09	1.34E-09	5.34E-09	3.58E-09	2.48E-09	1.09E-10	2.08E-09	7.24E-11	1.06E-11	2.61E-09	4.06E-10	1.06E-10	9.78E-11	2.13E-11	0.00E+00	1.06E-11	1.06E-11	1.06E-11	1.06E-11
		HCP11_C05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	0.6%	1.06E-11	1.06E-11	1.34E-09	1.34E-09	1.34E-09	1.34E-09	1.34E-09	5.34E-09	3.58E-09	2.48E-09	1.09E-10	2.08E-09	7.24E-11	1.06E-11	2.61E-09	4.06E-10	1.06E-10	9.78E-11	2.13E-11	0.00E+00	1.06E-11	1.06E-11	1.06E-11	1.06E-11
		HCP11_C06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	0.6%	1.06E-11	1.06E-11	1.34E-09	1.34E-09	1.34E-09	1.34E-09	1.34E-09	5.34E-09	3.58E-09	2.48E-09	1.09E-10	2.08E-09	7.24E-11	1.06E-11	2.61E-09	4.06E-10	1.06E-10	9.78E-11	2.13E-11	0.00E+00	1.06E-11	1.06E-11	1.06E-11	1.06E-11
		HCP11_C14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	0.6%	1.06E-11	1.06E-11	1.34E-09	1.34E-09	1.34E-09	1.34E-09	1.34E-09	5.34E-09	3.58E-09	2.48E-09	1.09E-10	2.08E-09	7.24E-11	1.06E-11	2.61E-09	4.06E-10	1.06E-10	9.78E-11	2.13E-11	0.00E+00	1.06E-11	1.06E-11	1.06E-11	1.06E-11
		HCP11_C15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C19	LINE	816241.3	830628.5	816234.9	830650.3	13	5.9	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C20	LINE	816234.9	830650.3	816227.5	830666.2	13	5.8	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C23	LINE	816175.6	830719.3	816161.5	830732.8	11.5	5.4	1.7	1.58	0.6%	1.39E-11	1.39E-11	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	6.97E-09	4.67E-09	3.23E-09	1.42E-10	2.72E-09	9.44E-11	1.39E-11	3.40E-09	5.30E-10	1.39E-10	1.28E-10	2.78E-11	0.00E+00	1.39E-11	1.39E-11	1.39E-11	1.39E-11
		HCP11_C24	LINE	816161.5	830732.8	816147.4	830751.2	11.5	5.6	1.7	1.58	0.6%	1.39E-11	1.39E-11	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	6.97E-09	4.67E-09	3.23E-09	1.42E-10	2.72E-09	9.44E-11	1.39E-11	3.40E-09	5.30E-10	1.39E-10	1.28E-10	2.78E-11	0.00E+00	1.39E-11	1.39E-11	1.39E-11	1.39E-11
		HCP11_C25	LINE	816147.4	830751.2	816133.1	830776.6	11.5	5.8	1.7	1.58	0.6%	1.39E-11	1.39E-11	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	6.97E-09	4.67E-09	3.23E-09	1.42E-10	2.72E-09	9.44E-11	1.39E-11	3.40E-09	5.30E-10	1.39E-10	1.28E-10	2.78E-11	0.00E+00	1.39E-11	1.39E-11	1.39E-11	1.39E-11
		HCP11_C26	LINE	816133.1	830776.6	816130.3	830796.4	11.5	6.3	1.7	1.58	0.6%	1.39E-11	1.39E-11	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	6.97E-09	4.67E-09	3.23E-09	1.42E-10	2.72E-09	9.44E-11	1.39E-11	3.40E-09	5.30E-10	1.39E-10	1.28E-10	2.78E-11	0.00E+00	1.39E-11	1.39E-11	1.39E-11	1.39E-11
HCP11	Route D	HCP11_D01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	50.0%	9.05E-10	9.05E-10	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	4.54E-07	3.04E-07	2.11E-07	9.22E-09	1.77E-07	6.15E-09	9.05E-10	2.22E-07	3.45E-08	9.04E-09	8.31E-09	1.81E-09	0.00E+00	9.05E-10	9.05E-10	9.05E-10	9.05E-10
		HCP11_D05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	50.0%	9.05E-10	9.05E-10	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	4.54E-07	3.04E-07	2.11E-07	9.22E-09	1.77E-07	6.15E-09	9.05E-10	2.22E-07	3.45E-08	9.04E-09	8.31E-09	1.81E-09	0.00E+00	9.05E-10	9.05E-10	9.05E-10	9.05E-10
		HCP11_D06	LINE	816404.3	830588.5	816413.2	830591.8	9.5	7.3	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D07	LINE	816413.2	830591.8	816421.8	830597.3	9.5	7.3	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D08	LINE	816421.8	830597.3	816450.4	830625.5	9.5	7.3	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D09	LINE	816450.4	830625.5	816477	830644.6	9.5	7.2	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D10	LINE	816477	830644.6	816501	830655.4	9.5	7.2	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D11	LINE	816501	830655.4	816520.7	830660	9.5	7.3	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D12	LINE	816520.7	830660	816594	830666.5	9.5	7.7	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D13	LINE	816594	830666.5	816667.3	830673	9.5	7.9	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D14	LINE	816667.3	830673	816697.7	830675.1	9.5	8.6	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D15	LINE	816697.7	830675.1	816731.9	830681.6	9.5	9.8	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D16	LINE	816731.9	830681.6	816803.5	830696.3	9.5	11.8	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
HCP11	Route E	HCP11_E01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	47.7%	1.38E-09	1.38E-09	1.74E-07	1.74E-07	1.74E-07	1.74E-07	1.74E-07	6.92E-07	4.64E-07	3.21E-07	1.41E-08	2.70E-07	9.37E-09	1.38E-09	3.38E-07	5.26E-08	1.38E-08	1.27E-08	2.76E-09	0.00E+00	1.38E-09	1.38E-09	1.38E-09	1.38E-09
		HCP11_E02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	47.7%	1.38E-09	1.38E-09	1.74E-07	1.74E-07	1.74E-07	1.74E-07	1.74E-07	6.92E-07	4.64E-07	3.21E-07	1.41E-08	2.70E-07	9.37E-09	1.38E-09	3.38E-07	5.26E-08	1.38E-08	1.27E-08	2.76E-09	0.00E+00	1.38E-09	1.38E-09	1.38E-09	1.38E-09
		HCP11_E03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	47.7%	1.38E-09	1.38E-09	1.74E-07	1.74E-07	1.74E-07	1.74E-07	1.74E-07	6.92E-07	4.64E-07	3.21E-07	1.41E-08	2.70E-07	9.37E-09	1.38E-09	3.38E-07	5.26E-08	1.38E-08	1.27E-08	2.76E-09	0.00E+00	1.38E-09	1.38E-09	1.38E-09	1.38E-09
		HCP11_E04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	47.7%	8.73E-10	8.73E-10	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	4.38E-07	2.94E-07	2.03E-07	8.90E-09	1.71E-07	5.94E-09	8.73E-10	2.14E-07	3.33E-08	8.72E-09	8.02E-09	1.75E-09	0.00E+00	8.73E-10	8.73E-10	8.73E-10	8.73E-10
		HCP11_E05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	47.7%	8.73E-10	8.73E-10	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	4.38E-07	2.94E-07	2.03E-07	8.90E-09	1.71E-07	5.94E-09	8.73E-10	2.14E-07	3.33E-08	8.72E-09	8.02E-09	1.75E-09	0.00E+00	8.73E-10	8.73E-10	8.73E-10	8.73E-10
		HCP11_E06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E09	LINE	816347.1	830596.3	816328.7	830593.2	10.5	7	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E10	LINE	816328.7	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	47.7%	8.73E-10	8.73E-10	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	4.38E-07	2.94E-07	2.03E-07	8.90E-09	1.71E-07	5.94E-09	8.73E-10	2.14E-07	3.33E-08	8.72E-09	8.02E-09	1.75E-09	0.00E+00	8.73E-10	8.73E-10	8.73E-10	8.73E-10
		HCP11_E14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	47.7%	8.73E-10	8.73E-10	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	4.38E-07	2.94E-07	2.03E-07	8.90E-09	1.71E-07	5.94E-09	8.73E-10	2.14E-07	3.33E-08	8.72E-09	8.02E-09	1.75E-09	0.00E+00	8.73E-10	8.73E-10	8.73E-10	8.73E-10
		HCP11_E15	LINE	816260.2	830594.6	816253.5	830592.8	13	6.2	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
		HCP11_E16	LINE	816253.5	830592.8	816246.4	830525.2	13	7.4	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
		HCP11_E17	LINE	816246.4	830525.2	816239.2	830457.5	13	8.4	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
		HCP11_E18	LINE	816239.2	830457.5	816239.4	830400.9	13	9	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
		HCP11_E19	LINE	816239.4	830400.9	816239.5	830341.5	13	9.4	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
HCP11	Access road	HCP11_AC01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	100%	1.60E-07	1.61E-07	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.01E-06	3.74E-06	2.57E-06	1.92E-06	1.94E-07	1.85E-06	2.99E-07	1.61E-07	2.71E-06	4.46E-07	3.49E-07	7.03E-07	2.78E-07	0.00E+00	1.59E-07	1.59E-07	1.60E-07	1.60E-07
		HCP11_AC02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	100%	1.60E-07	1.61E-07	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.01E-06	3.74E-06	2.57E-06	1.92E-06	1.94E-07	1.85E-06	2.99E-07	1.61E-07	2.71E-06	4.46E-07	3.49E-07	7.03E-07	2.78E-07	0.00E+00	1.59E-07	1.59E-07	1.60E-07	1.60E-07
		HCP11_AC03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	100%	1.60E-07	1.61E-07	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.01E-06	3.74E-06	2.57E-06	1.92E-06	1.94E-07	1.85E-06	2.99E-07	1.61E-07	2.71E-06	4.46E-07	3.49E-07	7.03E-07	2.78E-07	0.00E+00	1.59E-07	1.59E-07	1.60E-07	1.60E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Carpark near Fu Hang Road**	HCP11_01	AREAPOLY	816550.1	830599.7	10.0	3.1	6682.6	816550.1 830599.7 816553.1 830603.0 816565.8 830600.0 816574.2 830595.4 816589.6 830589.6 816595.9 830578.8 816606.4 830571.4 816605.5 830552.6 816601.5 830542.8 816600.0 830521.1 816583.8 830502.5 816517.7 830522.4 816486.7 830534.6 816493.7 830558.0 816532.5 830542.8 816541.6 830561.6 816531.2 830567.8 816540.5 830592.0 816545.5 830590.3 816550.1 830599.7	20	2.84	3.69E-08	3.71E-08	2.40E-07	2.40E-07	2.40E-07	2.40E-07	2.41E-07	8.98E-07	6.17E-07	4.60E-07	4.53E-08	4.39E-07	6.92E-08	3.71E-08	6.43E-07	1.05E-07	8.11E-08	1.63E-07	6.42E-08	0.00E+00	3.67E-08	3.67E-08	3.69E-08	3.69E-08

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				Line Source						Area/Polyarea/Line																										
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	Route A	HCP11_A01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	1.1%	1.64E-11	1.64E-11	2.07E-09	2.07E-09	2.07E-09	2.07E-09	2.07E-09	8.19E-09	5.47E-09	3.83E-09	1.68E-10	3.14E-09	1.12E-10	1.64E-11	4.03E-09	6.29E-10	1.65E-10	1.49E-10	3.29E-11	0.00E+00	1.64E-11	1.64E-11	1.64E-11	1.64E-11
		HCP11_A02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	1.1%	1.64E-11	1.64E-11	2.07E-09	2.07E-09	2.07E-09	2.07E-09	2.07E-09	8.19E-09	5.47E-09	3.83E-09	1.68E-10	3.14E-09	1.12E-10	1.64E-11	4.03E-09	6.29E-10	1.65E-10	1.49E-10	3.29E-11	0.00E+00	1.64E-11	1.64E-11	1.64E-11	1.64E-11
		HCP11_A03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	1.1%	1.64E-11	1.64E-11	2.07E-09	2.07E-09	2.07E-09	2.07E-09	2.07E-09	8.19E-09	5.47E-09	3.83E-09	1.68E-10	3.14E-09	1.12E-10	1.64E-11	4.03E-09	6.29E-10	1.65E-10	1.49E-10	3.29E-11	0.00E+00	1.64E-11	1.64E-11	1.64E-11	1.64E-11
		HCP11_A04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	1.1%	1.04E-11	1.04E-11	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	5.19E-09	3.47E-09	2.43E-09	1.06E-10	1.99E-09	7.09E-11	1.04E-11	2.55E-09	3.98E-10	1.04E-10	9.45E-11	2.08E-11	0.00E+00	1.04E-11	1.04E-11	1.04E-11	1.04E-11
		HCP11_A05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	1.1%	1.04E-11	1.04E-11	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	5.19E-09	3.47E-09	2.43E-09	1.06E-10	1.99E-09	7.09E-11	1.04E-11	2.55E-09	3.98E-10	1.04E-10	9.45E-11	2.08E-11	0.00E+00	1.04E-11	1.04E-11	1.04E-11	1.04E-11
		HCP11_A06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	1.1%	1.04E-11	1.04E-11	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	5.19E-09	3.47E-09	2.43E-09	1.06E-10	1.99E-09	7.09E-11	1.04E-11	2.55E-09	3.98E-10	1.04E-10	9.45E-11	2.08E-11	0.00E+00	1.04E-11	1.04E-11	1.04E-11	1.04E-11
		HCP11_A14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	1.1%	1.04E-11	1.04E-11	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	5.19E-09	3.47E-09	2.43E-09	1.06E-10	1.99E-09	7.09E-11	1.04E-11	2.55E-09	3.98E-10	1.04E-10	9.45E-11	2.08E-11	0.00E+00	1.04E-11	1.04E-11	1.04E-11	1.04E-11
		HCP11_A15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A19	LINE	816241.3	830628.5	816235	830649.8	13	5.9	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	1.1%	1.36E-11	1.36E-11	1.71E-09	1.71E-09	1.71E-09	1.71E-09	1.71E-09	6.77E-09	4.52E-09	3.17E-09	1.39E-10	2.59E-09	9.24E-11	1.36E-11	3.33E-09	5.19E-10	1.36E-10	1.23E-10	2.72E-11	0.00E+00	1.36E-11	1.36E-11	1.36E-11	1.36E-11
		HCP11_A24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	1.1%	1.36E-11	1.36E-11	1.71E-09	1.71E-09	1.71E-09	1.71E-09	1.71E-09	6.77E-09	4.52E-09	3.17E-09	1.39E-10	2.59E-09	9.24E-11	1.36E-11	3.33E-09	5.19E-10	1.36E-10	1.23E-10	2.72E-11	0.00E+00	1.36E-11	1.36E-11	1.36E-11	1.36E-11
		HCP11_A25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	1.1%	1.36E-11	1.36E-11	1.71E-09	1.71E-09	1.71E-09	1.71E-09	1.71E-09	6.77E-09	4.52E-09	3.17E-09	1.39E-10	2.59E-09	9.24E-11	1.36E-11	3.33E-09	5.19E-10	1.36E-10	1.23E-10	2.72E-11	0.00E+00	1.36E-11	1.36E-11	1.36E-11	1.36E-11
		HCP11_A26	LINE	816136.6	830673.2	816149.6	830652.2	11.5	5.5	1.7	1.58	1.1%	1.36E-11	1.36E-11	1.71E-09	1.71E-09	1.71E-09	1.71E-09	1.71E-09	6.77E-09	4.52E-09	3.17E-09	1.39E-10	2.59E-09	9.24E-11	1.36E-11	3.33E-09	5.19E-10	1.36E-10	1.23E-10	2.72E-11	0.00E+00	1.36E-11	1.36E-11	1.36E-11	1.36E-11
HCP11	Route B	HCP11_B01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	0.6%	8.97E-12	8.97E-12	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	4.47E-09	2.98E-09	2.09E-09	9.16E-11	1.71E-09	6.10E-11	8.97E-12	2.20E-09	3.43E-10	8.98E-11	8.14E-11	1.79E-11	0.00E+00	8.97E-12	8.97E-12	8.97E-12	8.97E-12
		HCP11_B02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	0.6%	8.97E-12	8.97E-12	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	4.47E-09	2.98E-09	2.09E-09	9.16E-11	1.71E-09	6.10E-11	8.97E-12	2.20E-09	3.43E-10	8.98E-11	8.14E-11	1.79E-11	0.00E+00	8.97E-12	8.97E-12	8.97E-12	8.97E-12
		HCP11_B03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	0.6%	8.97E-12	8.97E-12	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	4.47E-09	2.98E-09	2.09E-09	9.16E-11	1.71E-09	6.10E-11	8.97E-12	2.20E-09	3.43E-10	8.98E-11	8.14E-11	1.79E-11	0.00E+00	8.97E-12	8.97E-12	8.97E-12	8.97E-12
		HCP11_B04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B18	LINE	816243.7	830605.7	816241.3	830627.9	13	6	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B19	LINE	816241.3	830627.9	816235	830649.8	13	5.9	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B21	LINE	816227.5	830666.2	816210	830686.5	13	5.6	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B22	LINE	816210	830686.5	816175.6	830719.3	13	5.4	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	0.6%	7.41E-12	7.41E-12	9.34E-10	9.34E-10	9.34E-10	9.34E-10	9.34E-10	3.69E-09	2.47E-09	1.73E-09	7.56E-11	1.41E-09	5.04E-11	7.41E-12	1.82E-09	2.83E-10	7.42E-11	6.72E-11	1.48E-11	0.00E+00	7.41E-12	7.41E-12	7.41E-12	7.41E-12
		HCP11_B24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	0.6%	7.41E-12	7.41E-12	9.34E-10	9.34E-10	9.34E-10	9.34E-10	9.34E-10	3.69E-09	2.47E-09	1.73E-09	7.56E-11	1.41E-09	5.04E-11	7.41E-12	1.82E-09	2.83E-10	7.42E-11	6.72E-11	1.48E-11	0.00E+00	7.41E-12	7.41E-12	7.41E-12	7.41E-12
		HCP11_B25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	0.6%	7.41E-12	7.41E-12	9.34E-10	9.34E-10	9.34E-10	9.34E-10	9.34E-10	3.69E-09	2.47E-09	1.73E-09	7.56E-11	1.41E-09	5.04E-11	7.41E-12	1.82E-09	2.83E-10	7.42E-11	6.72E-11	1.48E-11	0.00E+00	7.41E-12	7.41E-12	7.41E-12	7.41E-12
		HCP11_B26	LINE	816136.6	830673.2	816133.2	830661.4	15	5.4	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B27	LINE	816133.2	830661.4	816127	830650.7	15	5.4	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
HCP11	Route C	HCP11_C01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	0.6%	8.26E-12	8.26E-12	1.04E-09	1.04E-09	1.04E-09	1.04E-09	1.04E-09	4.12E-09	2.75E-09	1.93E-09	8.44E-11	1.58E-09	5.62E-11	8.26E-12	2.03E-09	3.16E-10	8.28E-11	7.50E-11	1.65E-11	0.00E+00	8.26E-12	8.26E-12	8.26E-12	8.26E-12
		HCP11_C02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	0.6%	8.26E-12	8.26E-12	1.04E-09	1.04E-09	1.04E-09	1.04E-09	1.04E-09	4.12E-09	2.75E-09	1.93E-09	8.44E-11	1.58E-09	5.62E-11	8.26E-12	2.03E-09	3.16E-10	8.28E-11	7.50E-11	1.65E-11	0.00E+00	8.26E-12	8.26E-12	8.26E-12	8.26E-12
		HCP11_C03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	0.6%	8.26E-12	8.26E-12	1.04E-09	1.04E-09	1.04E-09	1.04E-09	1.04E-09	4.12E-09	2.75E-09	1.93E-09	8.44E-11	1.58E-09	5.62E-11	8.26E-12	2.03E-09	3.16E-10	8.28E-11	7.50E-11	1.65E-11	0.00E+00	8.26E-12	8.26E-12	8.26E-12	8.26E-12
		HCP11_C04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	0.6%	5.23E-12	5.23E-12	6.60E-10	6.60E-10	6.60E-10	6.60E-10	6.60E-10	2.61E-09	1.74E-09	1.22E-09	5.34E-11	9.98E-10	3.56E-11	5.23E-12	1.28E-09	2.00E-10	5.24E-11	4.75E-11	1.05E-11	0.00E+00	5.23E-12	5.23E-12	5.23E-12	5.23E-12
		HCP11_C05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	0.6%	5.23E-12	5.23E-12	6.60E-10	6.60E-10	6.60E-10	6.60E-10	6.60E-10	2.61E-09	1.74E-09	1.22E-09	5.34E-11	9.98E-10	3.56E-11	5.23E-12	1.28E-09	2.00E-10	5.24E-11	4.75E-11	1.05E-11	0.00E+00	5.23E-12	5.23E-12	5.23E-12	5.23E-12
		HCP11_C06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	0.6%	5.23E-12	5.23E-12	6.60E-10	6.60E-10	6.60E-10	6.60E-10	6.60E-10	2.61E-09	1.74E-09	1.22E-09	5.34E-11	9.98E-10	3.56E-11	5.23E-12	1.28E-09	2.00E-10	5.24E-11	4.75E-11	1.05E-11	0.00E+00	5.23E-12	5.23E-12	5.23E-12	5.23E-12
		HCP11_C14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	0.6%	5.23E-12	5.23E-12	6.60E-10	6.60E-10	6.60E-10	6.60E-10	6.60E-10	2.61E-09	1.74E-09	1.22E-09	5.34E-11	9.98E-10	3.56E-11	5.23E-12	1.28E-09	2.00E-10	5.24E-11	4.75E-11	1.05E-11	0.00E+00	5.23E-12	5.23E-12	5.23E-12	5.23E-12
		HCP11_C15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C19	LINE	816241.3	830628.5	816234.9	830650.3	13	5.9	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C20	LINE	816234.9	830650.3	816227.5	830666.2	13	5.8	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C23	LINE	816175.6	830719.3	816161.5	830732.8	11.5	5.4	1.7	1.58	0.6%	6.83E-12	6.83E-12	8.61E-10	8.61E-10	8.61E-10	8.61E-10	8.61E-10	3.40E-09	2.27E-09	1.59E-09	6.97E-11	1.30E-09	4.65E-11	6.83E-12	1.67E-09	2.61E-10	6.84E-11	6.19E-11	1.37E-11	0.00E+00	6.83E-12	6.83E-12	6.83E-12	6.83E-12
		HCP11_C24	LINE	816161.5	830732.8	816147.4	830751.2	11.5	5.6	1.7	1.58	0.6%	6.83E-12	6.83E-12	8.61E-10	8.61E-10	8.61E-10	8.61E-10	8.61E-10	3.40E-09	2.27E-09	1.59E-09	6.97E-11	1.30E-09	4.65E-11	6.83E-12	1.67E-09	2.61E-10	6.84E-11	6.19E-11	1.37E-11	0.00E+00	6.83E-12	6.83E-12	6.83E-12	6.83E-12
		HCP11_C25	LINE	816147.4	830751.2	816133.1	830776.6	11.5	5.8	1.7	1.58	0.6%	6.83E-12	6.83E-12	8.61E-10	8.61E-10	8.61E-10	8.61E-10	8.61E-10	3.40E-09	2.27E-09	1.59E-09	6.97E-11	1.30E-09	4.65E-11	6.83E-12	1.67E-09	2.61E-10	6.84E-11	6.19E-11	1.37E-11	0.00E+00	6.83E-12	6.83E-12	6.83E-12	6.83E-12
		HCP11_C26	LINE	816133.1	830776.6	816130.3	830796.4	11.5	6.3	1.7	1.58	0.6%	6.83E-12	6.83E-12	8.61E-10	8.61E-10	8.61E-10	8.61E-10	8.61E-10	3.40E-09	2.27E-09	1.59E-09	6.97E-11	1.30E-09	4.65E-11	6.83E-12	1.67E-09	2.61E-10	6.84E-11	6.19E-11	1.37E-11	0.00E+00	6.83E-12	6.83E-12	6.83E-12	6.83E-12
HCP11	Route D	HCP11_D01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	50.0%	4.45E-10	4.45E-10	5.61E-08	5.61E-08	5.61E-08	5.61E-08	5.61E-08	2.22E-07	1.48E-07	1.04E-07	4.54E-09	8.48E-08	3.03E-09	4.45E-10	1.09E-07	1.70E-08	4.45E-09	4.04E-09	8.90E-10	0.00E+00	4.45E-10	4.45E-10	4.45E-10	4.45E-10
		HCP11_D05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	50.0%	4.45E-10	4.45E-10	5.61E-08	5.61E-08	5.61E-08	5.61E-08	5.61E-08	2.22E-07	1.48E-07	1.04E-07	4.54E-09	8.48E-08	3.03E-09	4.45E-10	1.09E-07	1.70E-08	4.45E-09	4.04E-09	8.90E-10	0.00E+00	4.45E-10	4.45E-10	4.45E-10	4.45E-10
		HCP11_D06	LINE	816404.3	830588.5	816413.2	830591.8	9.5	7.3	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D07	LINE	816413.2	830591.8	816421.8	830597.3	9.5	7.3	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D08	LINE	816421.8	830597.3	816450.4	830625.5	9.5	7.3	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D09	LINE	816450.4	830625.5	816477	830644.6	9.5	7.2	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D10	LINE	816477	830644.6	816501	830655.4	9.5	7.2	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D11	LINE	816501	830655.4	816520.7	830660	9.5	7.3	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D12	LINE	816520.7	830660	816594	830666.5	9.5	7.7	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D13	LINE	816594	830666.5	816667.3	830673	9.5	7.9	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D14	LINE	816667.3	830673	816697.7	830675.1	9.5	8.6	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D15	LINE	816697.7	830675.1	816731.9	830681.6	9.5	9.8	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D16	LINE	816731.9	830681.6	816803.5	830696.3	9.5	11.8	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
HCP11	Route E	HCP11_E01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	47.7%	6.78E-10	6.78E-10	8.55E-08	8.55E-08	8.55E-08	8.55E-08	8.55E-08	3.38E-07	2.26E-07	1.58E-07	6.92E-09	1.29E-07	4.61E-09	6.78E-10	1.66E-07	2.59E-08	6.79E-09	6.15E-09	1.36E-09	0.00E+00	6.78E-10	6.78E-10	6.78E-10	6.78E-10
		HCP11_E02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	47.7%	6.78E-10	6.78E-10	8.55E-08	8.55E-08	8.55E-08	8.55E-08	8.55E-08	3.38E-07	2.26E-07	1.58E-07	6.92E-09	1.29E-07	4.61E-09	6.78E-10	1.66E-07	2.59E-08	6.79E-09	6.15E-09	1.36E-09	0.00E+00	6.78E-10	6.78E-10	6.78E-10	6.78E-10
		HCP11_E03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	47.7%	6.78E-10	6.78E-10	8.55E-08	8.55E-08	8.55E-08	8.55E-08	8.55E-08	3.38E-07	2.26E-07	1.58E-07	6.92E-09	1.29E-07	4.61E-09	6.78E-10	1.66E-07	2.59E-08	6.79E-09	6.15E-09	1.36E-09	0.00E+00	6.78E-10	6.78E-10	6.78E-10	6.78E-10
		HCP11_E04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	47.7%	4.29E-10	4.29E-10	5.41E-08	5.41E-08	5.41E-08	5.41E-08	5.41E-08	2.14E-07	1.43E-07	1.00E-07	4.38E-09	8.19E-08	2.92E-09	4.29E-10	1.05E-07	1.64E-08	4.30E-09	3.89E-09	8.58E-10	0.00E+00	4.29E-10	4.29E-10	4.29E-10	4.29E-10
		HCP11_E05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	47.7%	4.29E-10	4.29E-10	5.41E-08	5.41E-08	5.41E-08	5.41E-08	5.41E-08	2.14E-07	1.43E-07	1.00E-07	4.38E-09	8.19E-08	2.92E-09	4.29E-10	1.05E-07	1.64E-08	4.30E-09	3.89E-09	8.58E-10	0.00E+00	4.29E-10	4.29E-10	4.29E-10	4.29E-10
		HCP11_E06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E09	LINE	816347.1	830596.3	816328.7	830593.2	10.5	7	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E10	LINE	816328.7	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	47.7%	4.29E-10	4.29E-10	5.41E-08	5.41E-08	5.41E-08	5.41E-08	5.41E-08	2.14E-07	1.43E-07	1.00E-07	4.38E-09	8.19E-08	2.92E-09	4.29E-10	1.05E-07	1.64E-08	4.30E-09	3.89E-09	8.58E-10	0.00E+00	4.29E-10	4.29E-10	4.29E-10	4.29E-10
		HCP11_E14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	47.7%	4.29E-10	4.29E-10	5.41E-08	5.41E-08	5.41E-08	5.41E-08	5.41E-08	2.14E-07	1.43E-07	1.00E-07	4.38E-09	8.19E-08	2.92E-09	4.29E-10	1.05E-07	1.64E-08	4.30E-09	3.89E-09	8.58E-10	0.00E+00	4.29E-10	4.29E-10	4.29E-10	4.29E-10
		HCP11_E15	LINE	816260.2	830594.6	816253.5	830592.8	13	6.2	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
		HCP11_E16	LINE	816253.5	830592.8	816246.4	830525.2	13	7.4	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
		HCP11_E17	LINE	816246.4	830525.2	816239.2	830457.5	13	8.4	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
		HCP11_E18	LINE	816239.2	830457.5	816239.4	830400.9	13	9	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
		HCP11_E19	LINE	816239.4	830400.9	816239.5	830341.5	13	9.4	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
HCP11	Access road	HCP11_AC01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	100%	7.89E-08	7.91E-08	4.93E-07	4.93E-07	4.93E-07	4.94E-07	4.95E-07	1.83E-06	1.26E-06	9.46E-07	9.54E-08	8.90E-07	1.47E-07	7.93E-08	1.34E-06	2.20E-07	1.72E-07	3.41E-07	1.37E-07	0.00E+00	7.85E-08	7.83E-08	7.89E-08	7.87E-08
		HCP11_AC02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	100%	7.89E-08	7.91E-08	4.93E-07	4.93E-07	4.93E-07	4.94E-07	4.95E-07	1.83E-06	1.26E-06	9.46E-07	9.54E-08	8.90E-07	1.47E-07	7.93E-08	1.34E-06	2.20E-07	1.72E-07	3.41E-07	1.37E-07	0.00E+00	7.85E-08	7.83E-08	7.89E-08	7.87E-08
		HCP11_AC03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	100%	7.89E-08	7.91E-08	4.93E-07	4.93E-07	4.93E-07	4.94E-07	4.95E-07	1.83E-06	1.26E-06	9.46E-07	9.54E-08	8.90E-07	1.47E-07	7.93E-08	1.34E-06	2.20E-07	1.72E-07	3.41E-07	1.37E-07	0.00E+00	7.85E-08	7.83E-08	7.89E-08	7.87E-08

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Carpark near Fu Hang Road**	HCP11_01	AREAPOLY	816550.1	830599.7	10.0	3.1	6682.6	816550.1 830599.7 816553.1 830603.0 816565.8 830600.0 816574.2 830595.4 816589.6 830589.6 816595.9 830578.8 816606.4 830571.4 816605.5 830552.6 816601.5 830542.8 816600.0 830521.1 816583.8 830502.5 816517.7 830522.4 816486.7 830534.6 816493.7 830558.0 816532.5 830542.8 816541.6 830561.6 816531.2 830567.8 816540.5 830592.0 816545.5 830590.3 816550.1 830599.7	20	2.84	1.82E-08	1.82E-08	1.18E-07	1.18E-07	1.18E-07	1.18E-07	1.19E-07	4.39E-07	3.01E-07	2.26E-07	2.23E-08	2.12E-07	3.41E-08	1.83E-08	3.16E-07	5.19E-08	3.99E-08	7.89E-08	3.16E-08	0.00E+00	1.81E-08	1.81E-08	1.82E-08	1.82E-08

Note:

1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

PTI05 - Bus

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	320	46%	Bypass route	0
Starting on Public Road	380	54%	Running inside PTI/ Carpark [1]	650
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: FBDD 15

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1					8														
1	2																			
2	3																			
3	4																			
4	5																			
5	6					12											2			
6	7					20											2			
7	8					24											3			
8	9					24														
9	10					24														
10	11					20														
11	12					12														
12	13					12														
13	14					12														
14	15					12														
15	16					12														
16	17					20														
17	18					24														
18	19					24														
19	20					24														
20	21					20														
21	22					12														
22	23					12														
23	0					12														

Day: 1

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	1.10E-04	4.50E-03	7.95E-04	0.00E+00	9.45E-04	0.00E+00	4.51E-05	1.84E-03	3.25E-04	0.00E+00	3.86E-04
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	1.23E-03	7.92E-03	2.81E-03	0.00E+00	3.34E-03	0.00E+00	5.03E-04	3.23E-03	1.15E-03	0.00E+00	1.36E-03
7	0.00E+00	1.34E-03	1.25E-02	3.60E-03	0.00E+00	4.28E-03	0.00E+00	5.48E-04	5.11E-03	1.47E-03	0.00E+00	1.75E-03
8	0.00E+00	1.93E-03	1.53E-02	4.81E-03	0.00E+00	5.71E-03	0.00E+00	7.88E-04	6.26E-03	1.96E-03	0.00E+00	2.33E-03
9	0.00E+00	3.31E-04	1.37E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.58E-03	9.75E-04	0.00E+00	1.16E-03
10	0.00E+00	3.31E-04	1.37E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.59E-03	9.75E-04	0.00E+00	1.16E-03
11	0.00E+00	2.76E-04	1.14E-02	1.99E-03	0.00E+00	2.36E-03	0.00E+00	1.13E-04	4.64E-03	8.12E-04	0.00E+00	9.65E-04
12	0.00E+00	1.66E-04	6.81E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.78E-03	4.87E-04	0.00E+00	5.79E-04
13	0.00E+00	1.66E-04	6.81E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.78E-03	4.87E-04	0.00E+00	5.79E-04
14	0.00E+00	1.66E-04	6.78E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.77E-03	4.87E-04	0.00E+00	5.79E-04
15	0.00E+00	1.66E-04	6.74E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.75E-03	4.87E-04	0.00E+00	5.79E-04
16	0.00E+00	1.66E-04	6.77E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.76E-03	4.87E-04	0.00E+00	5.79E-04
17	0.00E+00	2.76E-04	1.13E-02	1.99E-03	0.00E+00	2.36E-03	0.00E+00	1.13E-04	4.61E-03	8.12E-04	0.00E+00	9.65E-04
18	0.00E+00	3.31E-04	1.35E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.50E-03	9.75E-04	0.00E+00	1.16E-03
19	0.00E+00	3.31E-04	1.35E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.50E-03	9.75E-04	0.00E+00	1.16E-03
20	0.00E+00	3.31E-04	1.34E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.49E-03	9.75E-04	0.00E+00	1.16E-03
21	0.00E+00	2.76E-04	1.12E-02	1.99E-03	0.00E+00	2.36E-03	0.00E+00	1.13E-04	4.57E-03	8.12E-04	0.00E+00	9.65E-04
22	0.00E+00	1.66E-04	6.70E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.73E-03	4.87E-04	0.00E+00	5.79E-04
23	0.00E+00	1.66E-04	6.74E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.75E-03	4.87E-04	0.00E+00	5.79E-04
24	0.00E+00	1.66E-04	6.73E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.75E-03	4.87E-04	0.00E+00	5.79E-04

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source					Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	Route A	PTI05_A01	LINE	816885	831287.9	816890.2	831279	9.5	12.8	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A02	LINE	816890.2	831279	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A05	LINE	816876.7	831159.5	816842	831141	9.5	13.5	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A06	LINE	816842	831141	816817.1	831171.4	12	12.9	1.7	1.58	100%	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	9.40E-07	1.25E-06	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	5.19E-07	6.22E-07	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07
		PTI05_A07	LINE	816817.1	831171.4	816750.7	831216.9	12	12	1.7	1.58	100%	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	9.40E-07	1.25E-06	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	5.19E-07	6.22E-07	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07
		PTI05_A08	LINE	816750.7	831216.9	816690.2	831278.3	12	11.2	1.7	1.58	100%	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	9.40E-07	1.25E-06	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	5.19E-07	6.22E-07	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted .
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

								Area Source			Area Polygon Source																								
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	3.29E-04	4.15E-04	3.08E-04	3.09E-04	2.57E-04	1.54E-04	1.54E-04	1.53E-04	1.53E-04	1.53E-04	2.55E-04	3.05E-04	3.05E-04	3.04E-04	2.53E-04	1.52E-04	1.53E-04	1.52E-04
		PTI05_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	3.29E-04	4.15E-04	3.08E-04	3.09E-04	2.57E-04	1.54E-04	1.54E-04	1.53E-04	1.53E-04	1.53E-04	2.55E-04	3.05E-04	3.05E-04	3.04E-04	2.53E-04	1.52E-04	1.53E-04	1.52E-04

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

				Line Source					Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	Route A	PTI05_A01	LINE	816885	831287.9	816890.2	831279	9.5	12.8	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A02	LINE	816890.2	831279	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A05	LINE	816876.7	831159.5	816842	831141	9.5	13.5	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A06	LINE	816842	831141	816817.1	831171.4	12	12.9	1.7	1.58	100%	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	3.84E-07	5.12E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	2.12E-07	2.54E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07
		PTI05_A07	LINE	816817.1	831171.4	816750.7	831216.9	12	12	1.7	1.58	100%	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	3.84E-07	5.12E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	2.12E-07	2.54E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07
		PTI05_A08	LINE	816750.7	831216.9	816690.2	831278.3	12	11.2	1.7	1.58	100%	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	3.84E-07	5.12E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	2.12E-07	2.54E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted .
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

								Area Source			Area Polygon Source																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	1.34E-04	1.70E-04	1.26E-04	1.26E-04	1.05E-04	6.28E-05	6.28E-05	6.26E-05	6.23E-05	6.25E-05	1.04E-04	1.25E-04	1.24E-04	1.24E-04	1.03E-04	6.20E-05	6.23E-05	6.22E-05
		PTI05_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-05	1.34E-04	1.70E-04	1.26E-04	1.26E-04	1.05E-04	6.28E-05	6.28E-05	6.26E-05	6.23E-05	6.25E-05	1.04E-04	1.25E-04	1.24E-04	1.24E-04	1.03E-04	6.20E-05	6.23E-05	6.22E-05

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI05 - PLB - Diesel

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Routing (m)				
Starting inside PTI/ Carpark [1]	55	8%	Bypass route	0
Starting on Public Road	645	92%	Running inside PTI/ Carpark [1]	110
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: PLB-D 22

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	7	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	8	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
8	9	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	15	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	16	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	17	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	19	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	20	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	21	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	22	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	23	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Day: 1

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	2.56E-05	4.59E-05	6.75E-06	0.00E+00	7.91E-05	0.00E+00	9.95E-06	1.79E-05	2.62E-06	0.00E+00	3.07E-05
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	6.67E-05	9.24E-05	4.35E-05	0.00E+00	5.10E-04	0.00E+00	2.59E-05	3.60E-05	1.69E-05	0.00E+00	1.98E-04
7	0.00E+00	9.23E-05	1.40E-04	5.02E-05	0.00E+00	5.89E-04	0.00E+00	3.59E-05	5.43E-05	1.95E-05	0.00E+00	2.29E-04
8	0.00E+00	1.09E-04	1.70E-04	5.47E-05	0.00E+00	6.41E-04	0.00E+00	4.25E-05	6.61E-05	2.13E-05	0.00E+00	2.49E-04
9	0.00E+00	8.53E-05	1.55E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	6.03E-05	8.74E-06	0.00E+00	1.02E-04
10	0.00E+00	8.53E-05	1.55E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	6.04E-05	8.74E-06	0.00E+00	1.02E-04
11	0.00E+00	6.83E-05	1.24E-04	1.80E-05	0.00E+00	2.11E-04	0.00E+00	2.65E-05	4.82E-05	6.99E-06	0.00E+00	8.20E-05
12	0.00E+00	4.27E-05	7.73E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.01E-05	4.37E-06	0.00E+00	5.12E-05
13	0.00E+00	4.27E-05	7.73E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.01E-05	4.37E-06	0.00E+00	5.12E-05
14	0.00E+00	4.27E-05	7.70E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	2.99E-05	4.37E-06	0.00E+00	5.12E-05
15	0.00E+00	4.27E-05	7.65E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	2.97E-05	4.37E-06	0.00E+00	5.12E-05
16	0.00E+00	4.27E-05	7.68E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	2.99E-05	4.37E-06	0.00E+00	5.12E-05
17	0.00E+00	6.83E-05	1.23E-04	1.80E-05	0.00E+00	2.11E-04	0.00E+00	2.66E-05	4.78E-05	6.99E-06	0.00E+00	8.20E-05
18	0.00E+00	8.53E-05	1.53E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	5.95E-05	8.74E-06	0.00E+00	1.02E-04
19	0.00E+00	8.53E-05	1.53E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	5.94E-05	8.74E-06	0.00E+00	1.02E-04
20	0.00E+00	8.53E-05	1.53E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	5.93E-05	8.74E-06	0.00E+00	1.02E-04
21	0.00E+00	6.83E-05	1.22E-04	1.80E-05	0.00E+00	2.11E-04	0.00E+00	2.65E-05	4.74E-05	6.99E-06	0.00E+00	8.20E-05
22	0.00E+00	4.27E-05	7.60E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	2.96E-05	4.37E-06	0.00E+00	5.12E-05
23	0.00E+00	4.27E-05	7.65E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	2.98E-05	4.37E-06	0.00E+00	5.12E-05
24	0.00E+00	4.27E-05	7.64E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	2.97E-05	4.37E-06	0.00E+00	5.12E-05

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source								Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Route A**	PTI05_D_A01	LINE	816885.0	831287.9	816890.2	831279.0	9.5	12.8	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A02	LINE	816890.2	831279.0	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A05	LINE	816876.7	831159.5	816842.0	831141.0	9.5	13.5	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A06	LINE	816842.0	831141.0	816817.1	831171.4	11	12.9	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A07	LINE	816817.1	831171.4	816750.7	831216.9	11	12	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A08	LINE	816750.7	831216.9	816690.2	831278.3	11	11.2	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A09	LINE	816690.2	831278.3	816667.6	831307.6	11	12	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A10	LINE	816667.6	831307.6	816647.5	831329.9	11	11.2	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A11	LINE	816647.5	831329.9	816628.1	831347.7	11	10	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A12	LINE	816628.1	831347.7	816601.0	831369.9	11	10	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A13	LINE	816601.0	831369.9	816575.6	831393.0	11	10	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A14	LINE	816575.6	831393.0	816564.3	831405.2	11	10	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A15	LINE	816564.3	831405.2	816544.8	831430.4	13	10	1.7	1.58	100%	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	7.01E-08	7.64E-08	3.14E-08	3.14E-08	2.51E-08	1.57E-08	1.57E-08	1.57E-08	1.57E-08	1.57E-08	2.51E-08	3.14E-08	3.14E-08	3.14E-08	2.51E-08	1.57E-08	1.57E-08	1.57E-08
		PTI05_D_A16	LINE	816544.8	831430.4	816509.1	831388.2	17	9.5	1.7	1.58	100%	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-08	5.36E-08	5.84E-08	2.40E-08	2.40E-08	1.92E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.92E-08	2.40E-08	2.40E-08	2.40E-08	1.92E-08	1.20E-08	1.20E-08	1.20E-08

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted .
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

								Area Source			Area Polygon Source																								
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_D_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-06	5.31E-06	6.29E-06	4.95E-06	4.95E-06	3.96E-06	2.47E-06	2.47E-06	2.47E-06	2.46E-06	2.46E-06	3.94E-06	4.91E-06	4.91E-06	4.90E-06	3.92E-06	2.45E-06	2.46E-06	2.45E-06
		PTI05_D_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-06	5.31E-06	6.29E-06	4.95E-06	4.95E-06	3.96E-06	2.47E-06	2.47E-06	2.47E-06	2.46E-06	2.46E-06	3.94E-06	4.91E-06	4.91E-06	4.90E-06	3.92E-06	2.45E-06	2.46E-06	2.45E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

				Line Source							Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Route A**	PTI05_D_A01	LINE	816885.0	831287.9	816890.2	831279.0	9.5	12.8	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A02	LINE	816890.2	831279.0	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A05	LINE	816876.7	831159.5	816842.0	831141.0	9.5	13.5	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A06	LINE	816842.0	831141.0	816817.1	831171.4	11	12.9	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A07	LINE	816817.1	831171.4	816750.7	831216.9	11	12	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A08	LINE	816750.7	831216.9	816690.2	831278.3	11	11.2	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A09	LINE	816690.2	831278.3	816667.6	831307.6	11	12	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A10	LINE	816667.6	831307.6	816647.5	831329.9	11	11.2	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A11	LINE	816647.5	831329.9	816628.1	831347.7	11	10	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A12	LINE	816628.1	831347.7	816601.0	831369.9	11	10	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A13	LINE	816601.0	831369.9	816575.6	831393.0	11	10	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A14	LINE	816575.6	831393.0	816564.3	831405.2	11	10	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A15	LINE	816564.3	831405.2	816544.8	831430.4	13	10	1.7	1.58	100%	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	2.73E-08	2.97E-08	1.22E-08	1.22E-08	9.76E-09	6.10E-09	6.10E-09	6.10E-09	6.10E-09	6.10E-09	9.76E-09	1.22E-08	1.22E-08	1.22E-08	9.76E-09	6.10E-09	6.10E-09	6.10E-09
		PTI05_D_A16	LINE	816544.8	831430.4	816509.1	831388.2	17	9.5	1.7	1.58	100%	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.08E-08	2.27E-08	9.33E-09	9.33E-09	7.47E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09	7.46E-09	9.33E-09	9.33E-09	9.33E-09	7.46E-09	4.67E-09	4.67E-09	4.67E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

								Area Source			Area Polygon Source																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_D_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	2.07E-06	2.45E-06	1.93E-06	1.93E-06	1.54E-06	9.61E-07	9.61E-07	9.59E-07	9.55E-07	9.57E-07	1.53E-06	1.91E-06	1.91E-06	1.91E-06	1.52E-06	9.52E-07	9.55E-07	9.54E-07
		PTI05_D_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	2.07E-06	2.45E-06	1.93E-06	1.93E-06	1.54E-06	9.61E-07	9.61E-07	9.59E-07	9.55E-07	9.57E-07	1.53E-06	1.91E-06	1.91E-06	1.91E-06	1.52E-06	9.52E-07	9.55E-07	9.54E-07

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI06 - Bus

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	310	44%	Bypass route	0
Starting on Public Road	390	56%	Running inside PTI/ Carpark [1]	600
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: FBDD 15

Day: 1

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1					6														
1	2																			
2	3																			
3	4																			
4	5																			
5	6					9											1			
6	7					15											1			
7	8					18											2			
8	9					18														
9	10					18														
10	11					15														
11	12					9														
12	13					9														
13	14					9														
14	15					9														
15	16					9														
16	17					15														
17	18					18														
18	19					18														
19	20					18														
20	21					15														
21	22					9														
22	23					9														
23	0					9														

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	8.28E-05	3.11E-03	5.78E-04	0.00E+00	7.27E-04	0.00E+00	3.38E-05	1.27E-03	2.36E-04	0.00E+00	2.97E-04
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	6.57E-04	5.22E-03	1.65E-03	0.00E+00	2.08E-03	0.00E+00	2.68E-04	2.13E-03	6.74E-04	0.00E+00	8.48E-04
7	0.00E+00	7.40E-04	8.40E-03	2.23E-03	0.00E+00	2.80E-03	0.00E+00	3.02E-04	3.43E-03	9.10E-04	0.00E+00	1.14E-03
8	0.00E+00	1.31E-03	1.05E-02	3.30E-03	0.00E+00	4.15E-03	0.00E+00	5.36E-04	4.28E-03	1.35E-03	0.00E+00	1.70E-03
9	0.00E+00	2.48E-04	9.46E-03	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.02E-04	3.86E-03	7.08E-04	0.00E+00	8.91E-04
10	0.00E+00	2.48E-04	9.47E-03	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.02E-04	3.87E-03	7.08E-04	0.00E+00	8.91E-04
11	0.00E+00	2.07E-04	7.87E-03	1.44E-03	0.00E+00	1.82E-03	0.00E+00	8.46E-05	3.22E-03	5.90E-04	0.00E+00	7.43E-04
12	0.00E+00	1.24E-04	4.72E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	1.93E-03	3.54E-04	0.00E+00	4.46E-04
13	0.00E+00	1.24E-04	4.72E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	1.93E-03	3.54E-04	0.00E+00	4.46E-04
14	0.00E+00	1.24E-04	4.70E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	1.92E-03	3.54E-04	0.00E+00	4.46E-04
15	0.00E+00	1.24E-04	4.67E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	1.91E-03	3.54E-04	0.00E+00	4.46E-04
16	0.00E+00	1.24E-04	4.69E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.08E-05	1.91E-03	3.54E-04	0.00E+00	4.46E-04
17	0.00E+00	2.07E-04	7.81E-03	1.44E-03	0.00E+00	1.82E-03	0.00E+00	8.46E-05	3.19E-03	5.90E-04	0.00E+00	7.43E-04
18	0.00E+00	2.48E-04	9.32E-03	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.02E-04	3.81E-03	7.08E-04	0.00E+00	8.91E-04
19	0.00E+00	2.48E-04	9.32E-03	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.02E-04	3.81E-03	7.08E-04	0.00E+00	8.91E-04
20	0.00E+00	2.49E-04	9.30E-03	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.01E-04	3.80E-03	7.08E-04	0.00E+00	8.91E-04
21	0.00E+00	2.07E-04	7.74E-03	1.44E-03	0.00E+00	1.82E-03	0.00E+00	8.46E-05	3.16E-03	5.90E-04	0.00E+00	7.43E-04
22	0.00E+00	1.24E-04	4.64E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	1.89E-03	3.54E-04	0.00E+00	4.46E-04
23	0.00E+00	1.24E-04	4.67E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.08E-05	1.91E-03	3.54E-04	0.00E+00	4.46E-04
24	0.00E+00	1.24E-04	4.66E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	1.90E-03	3.54E-04	0.00E+00	4.46E-04

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

					Line Source						Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	Route A	PTI06_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	100%	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	7.52E-07	1.11E-06	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	4.88E-07	5.86E-07	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07
		PTI06_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	100%	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	7.52E-07	1.11E-06	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	4.88E-07	5.86E-07	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07
		PTI06_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	100%	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	7.52E-07	1.11E-06	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	4.88E-07	5.86E-07	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07
		PTI06_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	100%	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	7.52E-07	1.11E-06	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	4.88E-07	5.86E-07	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07
		PTI06_A05	LINE	817228.4	831625.8	817188.6	831653.4	14	15.4	1.7	1.58	100%	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	5.10E-07	7.56E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	3.31E-07	3.97E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07
		PTI06_A06	LINE	817188.6	831653.4	817137.9	831700.9	14	15	1.7	1.58	100%	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	5.10E-07	7.56E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	3.31E-07	3.97E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07
		PTI06_A07	LINE	817137.9	831700.9	817077.6	831773.6	14	14.4	1.7	1.58	100%	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	5.10E-07	7.56E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	3.31E-07	3.97E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07
		PTI06_A08	LINE	817077.6	831773.6	817041.8	831806.8	14	14	1.7	1.58	100%	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	5.10E-07	7.56E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	3.31E-07	3.97E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.04E-04	4.03E-04	3.06E-04	3.06E-04	2.55E-04	1.53E-04	1.53E-04	1.52E-04	1.51E-04	1.52E-04	2.53E-04	3.02E-04	3.02E-04	3.02E-04	2.51E-04	1.50E-04	1.51E-04	1.51E-04
		PTI06_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	3.04E-04	4.03E-04	3.06E-04	3.06E-04	2.55E-04	1.53E-04	1.53E-04	1.52E-04	1.51E-04	1.52E-04	2.53E-04	3.02E-04	3.02E-04	3.02E-04	2.51E-04	1.50E-04	1.51E-04	1.51E-04

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

					Line Source					Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Route A**	PTI06_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	100%	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.07E-07	4.55E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.99E-07	2.39E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07
		PTI06_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	100%	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.07E-07	4.55E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.99E-07	2.39E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07
		PTI06_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	100%	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.07E-07	4.55E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.99E-07	2.39E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07
		PTI06_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	100%	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.07E-07	4.55E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.99E-07	2.39E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07
		PTI06_A05	LINE	817228.4	831625.8	817188.6	831653.4	14	15.4	1.7	1.58	100%	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.08E-07	3.09E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08	8.12E-08	8.12E-08	1.35E-07	1.62E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08
		PTI06_A06	LINE	817188.6	831653.4	817137.9	831700.9	14	15	1.7	1.58	100%	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.08E-07	3.09E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08	8.12E-08	8.12E-08	1.35E-07	1.62E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08
		PTI06_A07	LINE	817137.9	831700.9	817077.6	831773.6	14	14.4	1.7	1.58	100%	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.08E-07	3.09E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08	8.12E-08	8.12E-08	1.35E-07	1.62E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08
		PTI06_A08	LINE	817077.6	831773.6	817041.8	831806.8	14	14	1.7	1.58	100%	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.08E-07	3.09E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08	8.12E-08	8.12E-08	1.35E-07	1.62E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	1.24E-04	1.65E-04	1.25E-04	1.25E-04	1.04E-04	6.23E-05	6.23E-05	6.21E-05	6.18E-05	6.20E-05	1.03E-04	1.23E-04	1.23E-04	1.23E-04	1.03E-04	6.14E-05	6.18E-05	6.17E-05
		PTI06_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	4.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-05	1.24E-04	1.65E-04	1.25E-04	1.25E-04	1.04E-04	6.23E-05	6.23E-05	6.21E-05	6.18E-05	6.20E-05	1.03E-04	1.23E-04	1.23E-04	1.23E-04	1.03E-04	6.14E-05	6.18E-05	6.17E-05

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI06 - PLB - Diesel

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	65	9%	Bypass route	0
Starting on Public Road	635	91%	Running inside PTI/ Carpark [1]	130
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: PLB-D 22

Day: 1

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	7	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	8	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
8	9	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	15	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	16	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	17	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	19	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	20	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	21	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	22	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	23	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	2.56E-05	5.43E-05	7.97E-06	0.00E+00	7.79E-05	0.00E+00	9.95E-06	2.11E-05	3.10E-06	0.00E+00	3.03E-05
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	6.67E-05	1.09E-04	5.14E-05	0.00E+00	5.02E-04	0.00E+00	2.59E-05	4.25E-05	2.00E-05	0.00E+00	1.95E-04
7	0.00E+00	9.23E-05	1.65E-04	5.93E-05	0.00E+00	5.80E-04	0.00E+00	3.59E-05	6.41E-05	2.31E-05	0.00E+00	2.25E-04
8	0.00E+00	1.33E-04	2.19E-04	1.03E-04	0.00E+00	1.00E-03	0.00E+00	5.19E-05	8.52E-05	3.99E-05	0.00E+00	3.90E-04
9	0.00E+00	8.53E-05	1.83E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.13E-05	1.03E-05	0.00E+00	1.01E-04
10	0.00E+00	8.53E-05	1.83E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.14E-05	1.03E-05	0.00E+00	1.01E-04
11	0.00E+00	6.83E-05	1.46E-04	2.13E-05	0.00E+00	2.08E-04	0.00E+00	2.65E-05	5.69E-05	8.26E-06	0.00E+00	8.07E-05
12	0.00E+00	4.27E-05	9.14E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.55E-05	5.16E-06	0.00E+00	5.04E-05
13	0.00E+00	4.27E-05	9.14E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.55E-05	5.16E-06	0.00E+00	5.04E-05
14	0.00E+00	4.27E-05	9.10E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.54E-05	5.16E-06	0.00E+00	5.04E-05
15	0.00E+00	4.27E-05	9.04E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.52E-05	5.16E-06	0.00E+00	5.04E-05
16	0.00E+00	4.27E-05	9.08E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.53E-05	5.16E-06	0.00E+00	5.04E-05
17	0.00E+00	6.83E-05	1.45E-04	2.13E-05	0.00E+00	2.08E-04	0.00E+00	2.66E-05	5.65E-05	8.26E-06	0.00E+00	8.07E-05
18	0.00E+00	8.53E-05	1.81E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.03E-05	1.03E-05	0.00E+00	1.01E-04
19	0.00E+00	8.53E-05	1.81E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.02E-05	1.03E-05	0.00E+00	1.01E-04
20	0.00E+00	8.53E-05	1.80E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.01E-05	1.03E-05	0.00E+00	1.01E-04
21	0.00E+00	6.83E-05	1.44E-04	2.13E-05	0.00E+00	2.08E-04	0.00E+00	2.65E-05	5.60E-05	8.26E-06	0.00E+00	8.07E-05
22	0.00E+00	4.27E-05	8.98E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.49E-05	5.16E-06	0.00E+00	5.04E-05
23	0.00E+00	4.27E-05	9.05E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.52E-05	5.16E-06	0.00E+00	5.04E-05
24	0.00E+00	4.27E-05	9.03E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.51E-05	5.16E-06	0.00E+00	5.04E-05

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source					Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	Route A	PTI06_D_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	20%	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.92E-08	3.33E-08	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	6.88E-09	8.60E-09	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09
		PTI06_D_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	20%	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.92E-08	3.33E-08	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	6.88E-09	8.60E-09	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09
		PTI06_D_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	20%	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.92E-08	3.33E-08	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	6.88E-09	8.60E-09	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09
		PTI06_D_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	20%	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.92E-08	3.33E-08	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	6.88E-09	8.60E-09	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09
		PTI06_D_A05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A11	LINE	816947.5	831889.3	816906.5	831847.2	13	12.5	1.7	1.58	20%	1.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.40E-08	2.43E-08	6.29E-09	6.29E-09	5.03E-09	3.14E-09	3.14E-09	3.14E-09	3.14E-09	3.14E-09	5.03E-09	6.29E-09	6.29E-09	6.29E-09	5.03E-09	3.14E-09	3.14E-09	3.14E-09
		PTI06_D_A12	LINE	816906.5	831847.2	816867.0	831803.3	13	12.4	1.7	1.58	20%	1.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.40E-08	2.43E-08	6.29E-09	6.29E-09	5.03E-09	3.14E-09	3.14E-09	3.14E-09	3.14E-09	3.14E-09	5.03E-09	6.29E-09	6.29E-09	6.29E-09	5.03E-09	3.14E-09	3.14E-09	3.14E-09
PTI06_PLBD	Route B	PTI06_D_B01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	80%	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	7.68E-08	1.33E-07	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	2.75E-08	3.44E-08	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08
		PTI06_D_B02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	80%	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	7.68E-08	1.33E-07	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	2.75E-08	3.44E-08	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08
		PTI06_D_B03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	80%	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	7.68E-08	1.33E-07	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	2.75E-08	3.44E-08	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08
		PTI06_D_B04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	80%	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	7.68E-08	1.33E-07	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	2.75E-08	3.44E-08	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08
		PTI06_D_B05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B11	LINE	816947.5	831889.3	816944.0	831907.1	12.5	12.8	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B12	LINE	816944	831907.1	817008.8	831982.7	17	13.1	1.7	1.58	80%	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-08	4.29E-08	7.43E-08	1.92E-08	1.92E-08	1.54E-08	9.62E-09	9.62E-09	9.62E-09	9.62E-09	9.62E-09	1.54E-08	1.92E-08	1.92E-08	1.92E-08	1.54E-08	9.62E-09	9.62E-09	9.62E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_D_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-06	8.46E-06	1.22E-05	7.89E-06	7.90E-06	6.31E-06	3.94E-06	3.94E-06	3.93E-06	3.91E-06	3.92E-06	6.28E-06	7.82E-06	7.82E-06	7.81E-06	6.24E-06	3.90E-06	3.91E-06	3.91E-06
		PTI06_D_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-06	8.46E-06	1.22E-05	7.89E-06	7.90E-06	6.31E-06	3.94E-06	3.94E-06	3.93E-06	3.91E-06	3.92E-06	6.28E-06	7.82E-06	7.82E-06	7.81E-06	6.24E-06	3.90E-06	3.91E-06	3.91E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

				Line Source						Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	Route A	PTI06_D_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	20%	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	7.47E-09	1.29E-08	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	2.67E-09	3.34E-09	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09
		PTI06_D_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	20%	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	7.47E-09	1.29E-08	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	2.67E-09	3.34E-09	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09
		PTI06_D_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	20%	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	7.47E-09	1.29E-08	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	2.67E-09	3.34E-09	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09
		PTI06_D_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	20%	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	7.47E-09	1.29E-08	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	2.67E-09	3.34E-09	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09
		PTI06_D_A05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A11	LINE	816947.5	831889.3	816906.5	831847.2	13	12.5	1.7	1.58	20%	7.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	5.46E-09	9.45E-09	2.44E-09	2.44E-09	1.95E-09	1.22E-09	1.22E-09	1.22E-09	1.22E-09	1.22E-09	1.95E-09	2.44E-09	2.44E-09	2.44E-09	1.95E-09	1.22E-09	1.22E-09	1.22E-09
		PTI06_D_A12	LINE	816906.5	831847.2	816867.0	831803.3	13	12.4	1.7	1.58	20%	7.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	5.46E-09	9.45E-09	2.44E-09	2.44E-09	1.95E-09	1.22E-09	1.22E-09	1.22E-09	1.22E-09	1.22E-09	1.95E-09	2.44E-09	2.44E-09	2.44E-09	1.95E-09	1.22E-09	1.22E-09	1.22E-09
PTI06_PLBD	Route B	PTI06_D_B01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	80%	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.99E-08	5.17E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09	6.69E-09	6.69E-09	1.07E-08	1.34E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09
		PTI06_D_B02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	80%	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.99E-08	5.17E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09	6.69E-09	6.69E-09	1.07E-08	1.34E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09
		PTI06_D_B03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	80%	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.99E-08	5.17E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09	6.69E-09	6.69E-09	1.07E-08	1.34E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09
		PTI06_D_B04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	80%	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.99E-08	5.17E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09	6.69E-09	6.69E-09	1.07E-08	1.34E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09
		PTI06_D_B05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B11	LINE	816947.5	831889.3	816944.0	831907.1	12.5	12.8	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B12	LINE	816944	831907.1	817008.8	831982.7	17	13.1	1.7	1.58	80%	2.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	1.67E-08	2.89E-08	7.47E-09	7.47E-09	5.98E-09	3.74E-09	3.74E-09	3.74E-09	3.74E-09	3.74E-09	5.98E-09	7.47E-09	7.47E-09	7.47E-09	5.98E-09	3.74E-09	3.74E-09	3.74E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	Planned PTI at Proposed Public Housing at Lam Tei North	PTI06_D_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-06	3.29E-06	4.73E-06	3.07E-06	3.07E-06	2.45E-06	1.53E-06	1.53E-06	1.53E-06	1.52E-06	1.53E-06	2.44E-06	3.04E-06	3.04E-06	3.04E-06	2.43E-06	1.52E-06	1.52E-06	1.52E-06
		PTI06_D_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-06	3.29E-06	4.73E-06	3.07E-06	3.07E-06	2.45E-06	1.53E-06	1.53E-06	1.53E-06	1.52E-06	1.53E-06	2.44E-06	3.04E-06	3.04E-06	3.04E-06	2.43E-06	1.52E-06	1.52E-06	1.52E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Annex - 4b

Emission Inventory for PTIs and HGV/ Coach Parking
(Lam Tei Area, Year 2048, Short Term)

HCP02b

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	80	11%	Bypass route	0
Starting on Public Road	500	71%	Running inside PTI/ Carpark [1]	170
Access Road - Arrival	120	17%		
Access Road - Departure	120			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB8 13 **Day:** 1

Hour		No. of Trip [1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1							1	1											
1	2							1	1											
2	3							1	1											
3	4							1	1											
4	5							1	1											
5	6							1	1											
6	7							1	1											
7	8																			2
8	9																			3
9	10						1		1											1
10	11						1		1											1
11	12						1		1											1
12	13						1		1											1
13	14						1		1											1
14	15						1		1											1
15	16						1		1											1
16	17						1		1											1
17	18							1												
18	19							1												
19	20							1	1											1
20	21							1	1											
21	22							1	1											
22	23							1	1											
23	0							1	1											

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	2.75E-04	3.65E-05	4.43E-04	2.28E-04	0.00E+00	0.00E+00	1.35E-04	1.80E-05	2.18E-04	1.12E-04
2	0.00E+00	0.00E+00	2.76E-04	3.65E-05	4.44E-04	2.28E-04	0.00E+00	0.00E+00	1.36E-04	1.80E-05	2.19E-04	1.12E-04
3	0.00E+00	0.00E+00	2.76E-04	3.65E-05	4.44E-04	2.28E-04	0.00E+00	0.00E+00	1.36E-04	1.80E-05	2.19E-04	1.12E-04
4	0.00E+00	0.00E+00	2.76E-04	3.65E-05	4.44E-04	2.28E-04	0.00E+00	0.00E+00	1.36E-04	1.80E-05	2.19E-04	1.12E-04
5	0.00E+00	0.00E+00	2.75E-04	3.65E-05	4.44E-04	2.28E-04	0.00E+00	0.00E+00	1.36E-04	1.80E-05	2.18E-04	1.12E-04
6	0.00E+00	0.00E+00	2.75E-04	3.65E-05	4.43E-04	2.28E-04	0.00E+00	0.00E+00	1.35E-04	1.80E-05	2.18E-04	1.12E-04
7	0.00E+00	0.00E+00	2.75E-04	3.65E-05	4.44E-04	2.28E-04	0.00E+00	0.00E+00	1.36E-04	1.80E-05	2.18E-04	1.12E-04
8	0.00E+00	0.00E+00	2.75E-04	1.69E-04	6.42E-04	1.06E-03	0.00E+00	0.00E+00	1.35E-04	8.34E-05	3.16E-04	5.21E-04
9	0.00E+00	0.00E+00	4.14E-04	2.54E-04	9.65E-04	1.59E-03	0.00E+00	0.00E+00	2.04E-04	1.25E-04	4.75E-04	7.82E-04
10	0.00E+00	0.00E+00	4.13E-04	1.17E-04	7.60E-04	7.34E-04	0.00E+00	0.00E+00	2.04E-04	5.79E-05	3.74E-04	3.62E-04
11	0.00E+00	0.00E+00	4.13E-04	1.17E-04	7.60E-04	7.34E-04	0.00E+00	0.00E+00	2.04E-04	5.79E-05	3.74E-04	3.62E-04
12	0.00E+00	0.00E+00	4.16E-04	1.17E-04	7.64E-04	7.34E-04	0.00E+00	0.00E+00	2.05E-04	5.79E-05	3.76E-04	3.62E-04
13	0.00E+00	0.00E+00	4.14E-04	1.17E-04	7.61E-04	7.34E-04	0.00E+00	0.00E+00	2.04E-04	5.79E-05	3.75E-04	3.62E-04
14	0.00E+00	0.00E+00	4.15E-04	1.17E-04	7.62E-04	7.34E-04	0.00E+00	0.00E+00	2.04E-04	5.79E-05	3.75E-04	3.62E-04
15	0.00E+00	0.00E+00	4.15E-04	1.17E-04	7.62E-04	7.34E-04	0.00E+00	0.00E+00	2.04E-04	5.79E-05	3.75E-04	3.62E-04
16	0.00E+00	0.00E+00	4.14E-04	1.17E-04	7.61E-04	7.34E-04	0.00E+00	0.00E+00	2.04E-04	5.79E-05	3.75E-04	3.62E-04
17	0.00E+00	0.00E+00	4.13E-04	1.17E-04	7.60E-04	7.34E-04	0.00E+00	0.00E+00	2.04E-04	5.79E-05	3.74E-04	3.62E-04
18	0.00E+00	0.00E+00	1.38E-04	1.48E-05	2.17E-04	9.26E-05	0.00E+00	0.00E+00	6.79E-05	7.30E-06	1.07E-04	4.56E-05
19	0.00E+00	0.00E+00	1.37E-04	1.48E-05	2.16E-04	9.26E-05	0.00E+00	0.00E+00	6.77E-05	7.30E-06	1.06E-04	4.56E-05
20	0.00E+00	0.00E+00	4.12E-04	1.21E-04	7.63E-04	7.57E-04	0.00E+00	0.00E+00	2.03E-04	5.97E-05	3.76E-04	3.73E-04
21	0.00E+00	0.00E+00	2.74E-04	3.65E-05	4.42E-04	2.28E-04	0.00E+00	0.00E+00	1.35E-04	1.80E-05	2.18E-04	1.12E-04
22	0.00E+00	0.00E+00	2.75E-04	3.65E-05	4.42E-04	2.28E-04	0.00E+00	0.00E+00	1.35E-04	1.80E-05	2.18E-04	1.12E-04
23	0.00E+00	0.00E+00	2.73E-04	3.65E-05	4.41E-04	2.28E-04	0.00E+00	0.00E+00	1.35E-04	1.80E-05	2.17E-04	1.12E-04
24	0.00E+00	0.00E+00	2.74E-04	3.65E-05	4.41E-04	2.28E-04	0.00E+00	0.00E+00	1.35E-04	1.80E-05	2.17E-04	1.12E-04

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

Line Source Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	Route A	HCP02b_A01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	59%	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	1.01E-07	1.51E-07	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	6.99E-08	8.82E-09	8.82E-09	7.22E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08
		HCP02b_A08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A15	LINE	816207.3	831380.2	816165.1	831336.4	11	7.7	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A16	LINE	816165.1	831336.4	816150.6	831326.1	11	7.6	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A17	LINE	816150.6	831326.1	816124.4	831310.1	11	7.6	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
		HCP02b_A18	LINE	816124.4	831310.1	816068.093	831280.9	11	7.2	1.7	1.58	59%	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08	9.17E-08	1.37E-07	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	6.36E-08	8.02E-09	8.02E-09	6.56E-08	1.98E-08	1.98E-08	1.98E-08	1.98E-08
HCP02b	Route B	HCP02b_B01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	12%	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	4.02E-09	1.86E-08	2.80E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.29E-08	1.63E-09	1.63E-09	1.33E-08	4.02E-09	4.02E-09	4.02E-09	4.02E-09
		HCP02b_B15	LINE	816207.3	831380.2	816196.7	831384.6	10	8.1	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B16	LINE	816196.7	831384.6	816154.4	831424.5	10	8.3	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B17	LINE	816154.4	831424.5	816130.4	831449.5	10	8.9	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B18	LINE	816130.4	831449.5	816085.7	831483.5	10	10.3	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
		HCP02b_B19	LINE	816085.7	831483.5	816077.8	831492.7	10	12.3	1.7	1.58	12%	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	4.42E-09	2.05E-08	3.08E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.42E-08	1.80E-09	1.80E-09	1.47E-08	4.42E-09	4.42E-09	4.42E-09	4.42E-09
HCP02b	Route C	HCP02b_C01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	29%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.96E-08	7.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_C08	LINE	816470.4	831447.8	816485.7	831439.3	11.5	8.6	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C09	LINE	816485.7	831439.3	816506.5	831437	11.5	8.7	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C10	LINE	816506.5	831437	816513.9	831430.8	11.5	8.8	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C11	LINE	816513.9	831430.8	816523.8	831431.2	11.5	8.9	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C12	LINE	816523.8	831431.2	816577.7	831491.7	11.5	9.3	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C13	LINE	816577.7	831491.7	816631.5	831552.2	11.5	10.4	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C14	LINE	816631.5	831552.2	816685.4	831612.6	11.5	10.8	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C15	LINE	816685.4	831612.6	816739.2	831673.1	11.5	11.3	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C16	LINE	816739.2	831673.1	816793.1	831733.6	11.5	11.7	1.7	1.58	29%	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	9.30E-09	4.31E-08	6.47E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	2.99E-08	3.77E-09	3.77E-09	3.09E-08	9.30E-09	9.30E-09	9.30E-09	9.30E-09
		HCP02b_C17	LINE	816793.1	831733.6	816798.3	831739.5	12	12.2	1.7	1.58	29%	8.91E-09	8.91E-09	8.91E-09	8.91E-09	8.91E-09	8.91E-09	8.91E-09	4.13E-08	6.20E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	2.87E-08	3.62E-09	3.62E-09	2.96E-08	8.91E-09	8.91E-09	8.91E-09	8.91E-09
HCP02b	Access road	HCP02b_AC01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	100%	3.71E-07	3.71E-07	3.71E-07	3.72E-07	3.71E-07	3.71E-07	3.71E-07	5.38E-07	8.08E-07	6.36E-07	6.36E-07	6.39E-07	6.37E-07	6.38E-07	6.38E-07	6.37E-07	6.36E-07	1.82E-07	1.81E-07	6.39E-07	3.70E-07	3.70E-07	3.69E-07	3.69E-07
		HCP02b_AC02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	100%	3.71E-07	3.71E-07	3.71E-07	3.72E-07	3.71E-07	3.71E-07	3.71E-07	5.38E-07	8.08E-07	6.36E-07	6.36E-07	6.39E-07	6.37E-07	6.38E-07	6.38E-07	6.37E-07	6.36E-07	1.82E-07	1.81E-07	6.39E-07	3.70E-07	3.70E-07	3.69E-07	3.69E-07
		HCP02b_AC03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	100%	3.71E-07	3.71E-07	3.71E-07	3.72E-07	3.71E-07	3.71E-07	3.71E-07	5.38E-07	8.08E-07	6.36E-07	6.36E-07	6.39E-07	6.37E-07	6.38E-07	6.38E-07	6.37E-07	6.36E-07	1.82E-07	1.81E-07	6.39E-07	3.70E-07	3.70E-07	3.69E-07	3.69E-07
		HCP02b_AC04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	100%	3.71E-07	3.71E-07	3.71E-07	3.72E-07	3.71E-07	3.71E-07	3.71E-07	5.38E-07	8.08E-07	6.36E-07	6.36E-07	6.39E-07	6.37E-07	6.38E-07	6.38E-07	6.37E-07	6.36E-07	1.82E-07	1.81E-07	6.39E-07	3.70E-07	3.70E-07	3.69E-07	3.69E-07
		HCP02b_AC05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	100%	3.71E-07	3.71E-07	3.71E-07	3.72E-07	3.71E-07	3.71E-07	3.71E-07	5.38E-07	8.08E-07	6.36E-07	6.36E-07	6.39E-07	6.37E-07	6.38E-07	6.38E-07	6.37E-07	6.36E-07	1.82E-07	1.81E-07	6.39E-07	3.70E-07	3.70E-07	3.69E-07	3.69E-07
		HCP02b_AC06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	100%	3.71E-07	3.71E-07	3.71E-07	3.72E-07	3.71E-07	3.71E-07	3.71E-07	5.38E-07	8.08E-07	6.36E-07	6.36E-07	6.39E-07	6.37E-07	6.38E-07	6.38E-07	6.37E-07	6.36E-07	1.82E-07	1.81E-07	6.39E-07	3.70E-07	3.70E-07	3.69E-07	3.69E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Carpark near Tung Lei Path**	HCP02b_01	AREAPOLY	816541.6	831588.5	9.2	3.9	1881.4	816541.6 831588.5 816533.2 831574.6 816527.0 831577.9 816535.1 831593.1 816508.2 831612.2 816516.1 831626.5 816537.0 831623.9 816543.0 831637.1 816573.8 831613.6 816563.9 831598.8 816569.5 831594.5 816551.7 831593.1 816541.6 831588.5	13	3.64	1.65E-07	1.66E-07	1.66E-07	1.66E-07	1.66E-07	1.66E-07	1.66E-07	2.36E-07	3.55E-07	2.82E-07	2.82E-07	2.84E-07	2.83E-07	2.83E-07	2.83E-07	2.83E-07	2.82E-07	8.11E-08	8.09E-08	2.83E-07	1.65E-07	1.65E-07	1.65E-07	1.65E-07

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

				Line Source							Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Route A**	HCP02b_A01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	59%	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08	4.97E-08	7.45E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	3.44E-08	4.34E-09	4.34E-09	3.55E-08	1.07E-08	1.07E-08	1.07E-08	1.07E-08
		HCP02b_A08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A15	LINE	816207.3	831380.2	816165.1	831336.4	11	7.7	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A16	LINE	816165.1	831336.4	816150.6	831326.1	11	7.6	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A17	LINE	816150.6	831326.1	816124.4	831310.1	11	7.6	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
		HCP02b_A18	LINE	816124.4	831310.1	816068.093	831280.9	11	7.2	1.7	1.58	59%	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	9.73E-09	4.51E-08	6.77E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.13E-08	3.95E-09	3.95E-09	3.23E-08	9.73E-09	9.73E-09	9.73E-09	9.73E-09
HCP02b	**Route B**	HCP02b_B01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B08	LINE	816470.4	831447.8	816459.1	831445.6	11	8.6	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B09	LINE	816459.1	831445.6	816410.1	831450.1	11	8.7	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B10	LINE	816410.1	831450.1	816345	831471.6	11	8.5	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B11	LINE	816345	831471.6	816328.4	831471.9	11	8.6	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B12	LINE	816328.4	831471.9	816258.8	831427.1	11	8.8	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B13	LINE	816258.8	831427.1	816242.9	831415	11	8.1	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B14	LINE	816242.9	831415	816207.3	831380.2	11	8	1.7	1.58	12%	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09	9.18E-09	1.38E-08	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	6.37E-09	8.03E-10	8.03E-10	6.57E-09	1.98E-09	1.98E-09	1.98E-09	1.98E-09
		HCP02b_B15	LINE	816207.3	831380.2	816196.7	831384.6	10	8.1	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B16	LINE	816196.7	831384.6	816154.4	831424.5	10	8.3	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B17	LINE	816154.4	831424.5	816130.4	831449.5	10	8.9	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B18	LINE	816130.4	831449.5	816085.7	831483.5	10	10.3	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
		HCP02b_B19	LINE	816085.7	831483.5	816077.8	831492.7	10	12.3	1.7	1.58	12%	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09	1.01E-08	1.52E-08	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	7.01E-09	8.84E-10	8.84E-10	7.23E-09	2.18E-09	2.18E-09	2.18E-09	2.18E-09
HCP02b	**Route C**	HCP02b_C01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C07	LINE	816489.5	831469.2	816470.4	831447.8	10	8.6	1.7	1.58	29%	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	5.27E-09	2.44E-08	3.66E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	1.69E-08	2.14E-09	2.14E-09	1.75E-08	5.27E-09	5.27E-09	5.27E-09	5.27E-09
		HCP02b_C08	LINE	816470.4	831447.8	816485.7	831439.3	11.5	8.6	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C09	LINE	816485.7	831439.3	816506.5	831437	11.5	8.7	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C10	LINE	816506.5	831437	816513.9	831430.8	11.5	8.8	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C11	LINE	816513.9	831430.8	816523.8	831431.2	11.5	8.9	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C12	LINE	816523.8	831431.2	816577.7	831491.7	11.5	9.3	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C13	LINE	816577.7	831491.7	816631.5	831552.2	11.5	10.4	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C14	LINE	816631.5	831552.2	816685.4	831612.6	11.5	10.8	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C15	LINE	816685.4	831612.6	816739.2	831673.1	11.5	11.3	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C16	LINE	816739.2	831673.1	816793.1	831733.6	11.5	11.7	1.7	1.58	29%	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	4.58E-09	2.12E-08	3.19E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.47E-08	1.86E-09	1.86E-09	1.52E-08	4.58E-09	4.58E-09	4.58E-09	4.58E-09
		HCP02b_C17	LINE	816793.1	831733.6	816798.3	831739.5	12	12.2	1.7	1.58	29%	4.39E-09	4.39E-09	4.39E-09	4.39E-09	4.39E-09	4.39E-09	4.39E-09	2.04E-08	3.05E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.41E-08	1.78E-09	1.78E-09	1.46E-08	4.39E-09	4.39E-09	4.39E-09	4.39E-09
HCP02b	**Access road**	HCP02b_AC01	LINE	816529.9	831576.4	816509.4	831555.9	10	9	1.7	1.58	100%	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	2.65E-07	3.98E-07	3.13E-07	3.13E-07	3.15E-07	3.14E-07	3.14E-07	3.14E-07	3.14E-07	3.13E-07	8.94E-08	8.91E-08	3.15E-07	1.82E-07	1.82E-07	1.82E-07	1.82E-07
		HCP02b_AC02	LINE	816509.4	831555.9	816504	831545.7	10	9	1.7	1.58	100%	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	2.65E-07	3.98E-07	3.13E-07	3.13E-07	3.15E-07	3.14E-07	3.14E-07	3.14E-07	3.14E-07	3.13E-07	8.94E-08	8.91E-08	3.15E-07	1.82E-07	1.82E-07	1.82E-07	1.82E-07
		HCP02b_AC03	LINE	816504	831545.7	816502.4	831528.8	10	8.9	1.7	1.58	100%	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	2.65E-07	3.98E-07	3.13E-07	3.13E-07	3.15E-07	3.14E-07	3.14E-07	3.14E-07	3.14E-07	3.13E-07	8.94E-08	8.91E-08	3.15E-07	1.82E-07	1.82E-07	1.82E-07	1.82E-07
		HCP02b_AC04	LINE	816502.4	831528.8	816492.5	831507.1	10	8.8	1.7	1.58	100%	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	2.65E-07	3.98E-07	3.13E-07	3.13E-07	3.15E-07	3.14E-07	3.14E-07	3.14E-07	3.14E-07	3.13E-07	8.94E-08	8.91E-08	3.15E-07	1.82E-07	1.82E-07	1.82E-07	1.82E-07
		HCP02b_AC05	LINE	816492.5	831507.1	816490.5	831495.4	10	8.7	1.7	1.58	100%	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	2.65E-07	3.98E-07	3.13E-07	3.13E-07	3.15E-07	3.14E-07	3.14E-07	3.14E-07	3.14E-07	3.13E-07	8.94E-08	8.91E-08	3.15E-07	1.82E-07	1.82E-07	1.82E-07	1.82E-07
		HCP02b_AC06	LINE	816490.5	831495.4	816489.5	831469.2	10	8.7	1.7	1.58	100%	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	2.65E-07	3.98E-07	3.13E-07	3.13E-07	3.15E-07	3.14E-07	3.14E-07	3.14E-07	3.14E-07	3.13E-07	8.94E-08	8.91E-08	3.15E-07	1.82E-07	1.82E-07	1.82E-07	1.82E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP02b	**Carpark near Tung Lei Path**	HCP02b_01	AREAPOLY	816541.6	831588.5	9.2	3.9	1881.4	816541.6 831588.5 816533.2 831574.6 816527.0 831577.9 816535.1 831593.1 816508.2 831612.2 816516.1 831626.5 816537.0 831623.9 816543.0 831637.1 816573.8 831613.6 816563.9 831598.8 816569.5 831594.5 816551.7 831593.1 816541.6 831588.5	13	3.64	8.15E-08	8.17E-08	8.17E-08	8.17E-08	8.17E-08	8.15E-08	8.17E-08	1.16E-07	1.75E-07	1.39E-07	1.39E-07	1.40E-07	1.39E-07	1.39E-07	1.39E-07	1.39E-07	1.39E-07	4.00E-08	3.98E-08	1.40E-07	8.13E-08	8.14E-08	8.11E-08	8.12E-08

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP04

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB6 11 **Day:** 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			2
8	9																			
9	10																			1
10	11																			
11	12																			1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	1.25E-04	1.88E-04	8.78E-05	6.39E-04	0.00E+00	0.00E+00	4.85E-05	7.31E-05	3.41E-05	2.48E-04
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	6.25E-05	9.39E-05	4.39E-05	3.19E-04	0.00E+00	0.00E+00	2.43E-05	3.65E-05	1.71E-05	1.24E-04
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	6.29E-05	9.39E-05	4.40E-05	3.19E-04	0.00E+00	0.00E+00	2.45E-05	3.65E-05	1.71E-05	1.24E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	6.25E-05	9.39E-05	4.39E-05	3.19E-04	0.00E+00	0.00E+00	2.43E-05	3.65E-05	1.71E-05	1.24E-04
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB7 12 **Day:** 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			
9	10																			1
10	11																			
11	12																			1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	8.77E-05	1.66E-04	7.08E-05	5.65E-04	0.00E+00	0.00E+00	4.32E-05	8.19E-05	3.49E-05	2.78E-04
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	8.79E-05	1.66E-04	7.09E-05	5.65E-04	0.00E+00	0.00E+00	4.33E-05	8.19E-05	3.49E-05	2.78E-04
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	8.84E-05	1.66E-04	7.10E-05	5.65E-04	0.00E+00	0.00E+00	4.36E-05	8.19E-05	3.50E-05	2.78E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	8.79E-05	1.66E-04	7.09E-05	5.65E-04	0.00E+00	0.00E+00	4.33E-05	8.19E-05	3.49E-05	2.78E-04
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

INDEX

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			1
1	2																			1
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																	2		6
8	9																			
9	10																			3
10	11								2											
11	12																			3
12	13																			2
13	14																			2
14	15																			
15	16		2																	
16	17		2																	3
17	18			1						1										2
18	19									1					1	1		1		2
19	20		2						1	1							1			
20	21							1											1	3
21	22																			1
22	23																			1
23	0																			1

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	2.14E-04	1.59E-04	1.07E-04	5.40E-04	0.00E+00	0.00E+00	1.05E-04	7.82E-05	5.27E-05	2.66E-04
2	0.00E+00	0.00E+00	2.15E-04	1.59E-04	1.07E-04	5.40E-04	0.00E+00	0.00E+00	1.06E-04	7.82E-05	5.28E-05	2.66E-04
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	1.71E-03	1.27E-03	8.55E-04	4.30E-03	0.00E+00	0.00E+00	8.44E-04	6.23E-04	4.21E-04	2.12E-03
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	6.45E-04	4.76E-04	3.22E-04	1.62E-03	0.00E+00	0.00E+00	3.17E-04	2.35E-04	1.58E-04	7.97E-04
11	0.00E+00	0.00E+00	4.30E-04	8.14E-05	1.51E-04	2.77E-04	0.00E+00	0.00E+00	2.12E-04	4.01E-05	7.46E-05	1.36E-04
12	0.00E+00	0.00E+00	6.48E-04	4.76E-04	3.23E-04	1.62E-03	0.00E+00	0.00E+00	3.19E-04	2.35E-04	1.59E-04	7.97E-04
13	0.00E+00	0.00E+00	4.30E-04	3.17E-04	2.15E-04	1.08E-03	0.00E+00	0.00E+00	2.12E-04	1.56E-04	1.06E-04	5.32E-04
14	0.00E+00	0.00E+00	4.31E-04	3.17E-04	2.15E-04	1.08E-03	0.00E+00	0.00E+00	2.12E-04	1.56E-04	1.06E-04	5.32E-04
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	4.31E-04	9.93E-06	1.33E-04	3.38E-05	0.00E+00	0.00E+00	2.12E-04	4.88E-06	6.53E-05	1.66E-05
17	0.00E+00	0.00E+00	1.07E-03	4.86E-04	4.54E-04	1.65E-03	0.00E+00	0.00E+00	5.29E-04	2.39E-04	2.24E-04	8.14E-04
18	0.00E+00	0.00E+00	8.59E-04	3.77E-04	3.60E-04	1.28E-03	0.00E+00	0.00E+00	4.23E-04	1.86E-04	1.77E-04	6.31E-04
19	0.00E+00	0.00E+00	1.29E-03	8.16E-04	6.05E-04	2.77E-03	0.00E+00	0.00E+00	6.33E-04	4.02E-04	2.98E-04	1.37E-03
20	0.00E+00	0.00E+00	1.07E-03	2.54E-04	3.91E-04	8.64E-04	0.00E+00	0.00E+00	5.27E-04	1.25E-04	1.92E-04	4.25E-04
21	0.00E+00	0.00E+00	1.07E-03	6.63E-04	4.99E-04	2.25E-03	0.00E+00	0.00E+00	5.26E-04	3.26E-04	2.46E-04	1.11E-03
22	0.00E+00	0.00E+00	2.14E-04	1.59E-04	1.07E-04	5.40E-04	0.00E+00	0.00E+00	1.05E-04	7.82E-05	5.27E-05	2.66E-04
23	0.00E+00	0.00E+00	2.13E-04	1.59E-04	1.07E-04	5.40E-04	0.00E+00	0.00E+00	1.05E-04	7.82E-05	5.25E-05	2.66E-04
24	0.00E+00	0.00E+00	2.13E-04	1.59E-04	1.07E-04	5.40E-04	0.00E+00	0.00E+00	1.05E-04	7.82E-05	5.26E-05	2.66E-04

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

INDEX

Vehicle Type: HGV8 7

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9																			
9	10																			
10	11																			
11	12		2																	
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	3.76E-04	9.93E-06	1.16E-04	3.38E-05	0.00E+00	0.00E+00	1.85E-04	4.88E-06	5.72E-05	1.66E-05
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Routing (m)				
Starting inside PTI/ Carpark [1]	150	21%	Bypass route	0
Starting on Public Road	510	73%	Running inside PTI/ Carpark [1]	265
Access Road - Arrival	40	6%		
Access Road - Departure	40			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

Line Source

Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Route A**	HCP04_A01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	33%	3.41E-08	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	1.58E-07	1.75E-08	1.60E-07	6.81E-08	6.81E-08	0.00E+00	2.13E-09	1.60E-07	8.09E-08	1.75E-07	5.45E-08	1.42E-07	3.41E-08	3.41E-08	3.41E-08
		HCP04_A07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	33%	2.70E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	1.25E-07	1.38E-08	1.27E-07	5.39E-08	5.39E-08	0.00E+00	1.69E-09	1.27E-07	6.40E-08	1.39E-07	4.31E-08	1.13E-07	2.70E-08	2.70E-08	2.70E-08
		HCP04_A12	LINE	816981.8	830867.6	816894.1	830841.8	10.5	18.3	1.7	1.58	33%	3.08E-08	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	0.00E+00	1.43E-07	1.58E-08	1.45E-07	6.16E-08	6.16E-08	0.00E+00	1.93E-09	1.45E-07	7.32E-08	1.58E-07	4.93E-08	1.29E-07	3.08E-08	3.08E-08	3.08E-08
		HCP04_A13	LINE	816894.1	830841.8	816860.5	830839.5	10.5	17.5	1.7	1.58	33%	3.08E-08	3.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	0.00E+00	1.43E-07	1.58E-08	1.45E-07	6.16E-08	6.16E-08	0.00E+00	1.93E-09	1.45E-07	7.32E-08	1.58E-07	4.93E-08	1.29E-07	3.08E-08	3.08E-08	3.08E-08
		HCP04_A14	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A15	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A16	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A17	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A18	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
		HCP04_A19	LINE	816730.7	830931.1	816728.4	830938.4	11.5	14.5	1.7	1.58	33%	2.81E-08	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	1.31E-07	1.44E-08	1.32E-07	5.63E-08	5.63E-08	0.00E+00	1.76E-09	1.32E-07	6.68E-08	1.45E-07	4.50E-08	1.17E-07	2.81E-08	2.81E-08	2.81E-08
HCP04	**Route B**	HCP04_B01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	17%	1.76E-08	1.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-07	0.00E+00	8.15E-08	9.00E-09	8.26E-08	3.51E-08	3.51E-08	0.00E+00	1.10E-09	8.26E-08	4.17E-08	9.02E-08	2.81E-08	7.33E-08	1.76E-08	1.76E-08	1.76E-08
		HCP04_B07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	17%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	6.45E-08	7.12E-09	6.54E-08	2.78E-08	2.78E-08	0.00E+00	8.69E-10	6.54E-08	3.30E-08	7.14E-08	2.22E-08	5.80E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_B12	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B13	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B14	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B15	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B16	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B17	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B18	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B19	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_B20	LINE	817192.7	830846.5	817201.6	830855.3	11	26	1.7	1.58	17%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-07	0.00E+00	7.03E-08	7.77E-09	7.13E-08	3.03E-08	3.03E-08	0.00E+00	9.48E-10	7.13E-08	3.60E-08	7.79E-08	2.43E-08	6.33E-08	1.52E-08	1.52E-08	1.52E-08
HCP04	**Route C**	HCP04_C01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C04	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C05	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C06	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C07	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C08	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C09	LINE	817283.8	831147.5	817303.4	831215.8	9.5	23.7	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C10	LINE	817303.4	831215.8	817314.5	831263.3	9.5	21.5	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C11	LINE	817314.5	831263.3	817315.4	831270.2	9.5	20.5	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C12	LINE	817315.4	831270.2	817311.5	831279.5	9.5	21.2	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C13	LINE	817311.5	831279.5	817295.9	831298.6	9.5	21.6	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C14	LINE	817295.9	831298.6	817320.2	831324.1	9.5	21.5	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C15	LINE	817320.2	831324.1	817346.8	831355.1	9.5	20.9	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
		HCP04_C16	LINE	817346.8	831355.1	817365.2	831378.6	9.5	20.2	1.7	1.58	50%	5.16E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	2.40E-07	2.65E-08	2.43E-07	1.03E-07	1.03E-07	0.00E+00	3.23E-09	2.43E-07	1.23E-07	2.65E-07	8.26E-08	2.16E-07	5.16E-08	5.16E-08	5.16E-08
HCP04	**Access road**	HCP04_AC01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	100%	2.71E-07	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	1.10E-06	3.83E-07	1.40E-06	5.43E-07	5.44E-07	0.00E+00	3.36E-07	1.44E-06	9.11E-07	1.53E-06	9.89E-07	1.26E-06	2.71E-07	2.70E-07	2.70E-07
		HCP04_AC02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	100%	2.71E-07	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	1.10E-06	3.83E-07	1.40E-06	5.43E-07	5.44E-07	0.00E+00	3.36E-07	1.44E-06	9.11E-07	1.53E-06	9.89E-07	1.26E-06	2.71E-07	2.70E-07	2.70E-07
		HCP04_AC03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	100%	2.71E-07	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-06	0.00E+00	1.10E-06	3.83E-07	1.40E-06	5.43E-07	5.44E-07	0.00E+00	3.36E-07	1.44E-06	9.11E-07	1.53E-06	9.89E-07	1.26E-06	2.71E-07	2.70E-07	2.70E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Carpark near Tat Fuk Road**	HCP04_01	AREAPOLY	817041.1	831045.1	18.5	3.5	5137.6	817041.1 831045.1 817047.2 831048.9 817065.6 831041.3 817075.9 831035.3 817079.1 831039.5 817091.8 831034.2 817110.4 831051.2 817117.5 831047.2 817123.1 831052.2 817132.1 831039.9 817127.1 831035.0 817132.1 831027.7 817130.9 831026.1 817130.8 831021.3 817117.3 830993.0 817136.7 830978.7 817123.9 830968.9 817120.4 830962.1 817111.6 830964.1 817110.8 830974.9 817099.6 830975.0 817052.5 830993.6 817043.0 831030.6 817041.1 831045.1	24	3.26	7.26E-08	7.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-07	0.00E+00	2.98E-07	9.95E-08	3.74E-07	1.46E-07	1.46E-07	0.00E+00	8.57E-08	3.84E-07	2.41E-07	4.09E-07	2.58E-07	3.37E-07	7.25E-08	7.24E-08	7.24E-08

Note:

1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

Line Source Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Route A**	HCP04_A01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	33%	1.68E-08	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07	0.00E+00	7.57E-08	8.60E-09	7.68E-08	3.35E-08	3.35E-08	0.00E+00	1.05E-09	7.68E-08	3.98E-08	8.62E-08	2.68E-08	7.00E-08	1.68E-08	1.68E-08	1.68E-08
		HCP04_A07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	33%	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-07	0.00E+00	6.00E-08	6.81E-09	6.08E-08	2.66E-08	2.66E-08	0.00E+00	8.29E-10	6.08E-08	3.15E-08	6.82E-08	2.12E-08	5.54E-08	1.33E-08	1.33E-08	1.33E-08
		HCP04_A12	LINE	816981.8	830867.6	816894.1	830841.8	10.5	18.3	1.7	1.58	33%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	0.00E+00	6.85E-08	7.78E-09	6.95E-08	3.03E-08	3.03E-08	0.00E+00	9.47E-10	6.95E-08	3.60E-08	7.80E-08	2.43E-08	6.34E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_A13	LINE	816894.1	830841.8	816860.5	830839.5	10.5	17.5	1.7	1.58	33%	1.52E-08	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-07	0.00E+00	6.85E-08	7.78E-09	6.95E-08	3.03E-08	3.03E-08	0.00E+00	9.47E-10	6.95E-08	3.60E-08	7.80E-08	2.43E-08	6.34E-08	1.52E-08	1.52E-08	1.52E-08
		HCP04_A14	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A15	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A16	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A17	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A18	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
		HCP04_A19	LINE	816730.7	830931.1	816728.4	830938.4	11.5	14.5	1.7	1.58	33%	1.39E-08	1.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-07	0.00E+00	6.26E-08	7.10E-09	6.34E-08	2.77E-08	2.77E-08	0.00E+00	8.65E-10	6.34E-08	3.29E-08	7.12E-08	2.22E-08	5.78E-08	1.39E-08	1.39E-08	1.39E-08
HCP04	**Route B**	HCP04_B01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B04	LINE	817157.2	830948.3	817116.4	830910.4	9.5	21.3	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B05	LINE	817116.4	830910.4	817087.2	830879.8	9.5	20.7	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B06	LINE	817087.2	830879.8	817067.6	830867.1	9.5	20.4	1.7	1.58	17%	8.65E-09	8.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-08	0.00E+00	3.90E-08	4.43E-09	3.96E-08	1.73E-08	1.73E-08	0.00E+00	5.40E-10	3.96E-08	2.05E-08	4.44E-08	1.38E-08	3.61E-08	8.65E-09	8.65E-09	8.65E-09
		HCP04_B07	LINE	817067.6	830867.1	817054.9	830868.6	12	20.6	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B08	LINE	817054.9	830868.6	817038.1	830873.9	12	20.8	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B09	LINE	817038.1	830873.9	817021.6	830876	12	20.9	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B10	LINE	817021.6	830876	817004.4	830874.4	12	20.3	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B11	LINE	817004.4	830874.4	816981.8	830867.6	12	19.7	1.7	1.58	17%	6.85E-09	6.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-08	0.00E+00	3.09E-08	3.51E-09	3.13E-08	1.37E-08	1.37E-08	0.00E+00	4.27E-10	3.13E-08	1.63E-08	3.52E-08	1.10E-08	2.86E-08	6.85E-09	6.85E-09	6.85E-09
		HCP04_B12	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B13	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B14	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B15	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B16	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B17	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B18	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B19	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
		HCP04_B20	LINE	817192.7	830846.5	817201.6	830855.3	11	26	1.7	1.58	17%	7.47E-09	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-08	0.00E+00	3.37E-08	3.83E-09	3.42E-08	1.49E-08	1.49E-08	0.00E+00	4.66E-10	3.42E-08	1.77E-08	3.84E-08	1.19E-08	3.12E-08	7.47E-09	7.47E-09	7.47E-09
HCP04	**Route C**	HCP04_C01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C04	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C05	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C06	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C07	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C08	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C09	LINE	817283.8	831147.5	817303.4	831215.8	9.5	23.7	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C10	LINE	817303.4	831215.8	817314.5	831263.3	9.5	21.5	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C11	LINE	817314.5	831263.3	817315.4	831270.2	9.5	20.5	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C12	LINE	817315.4	831270.2	817311.5	831279.5	9.5	21.2	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C13	LINE	817311.5	831279.5	817295.9	831298.6	9.5	21.6	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C14	LINE	817295.9	831298.6	817320.2	831324.1	9.5	21.5	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C15	LINE	817320.2	831324.1	817346.8	831355.1	9.5	20.9	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
		HCP04_C16	LINE	817346.8	831355.1	817365.2	831378.6	9.5	20.2	1.7	1.58	50%	2.54E-08	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-07	0.00E+00	1.15E-07	1.30E-08	1.16E-07	5.09E-08	5.09E-08	0.00E+00	1.59E-09	1.16E-07	6.04E-08	1.31E-07	4.07E-08	1.06E-07	2.54E-08	2.54E-08	2.54E-08
HCP04	**Access road**	HCP04_AC01	LINE	817123.1	830968.3	817133.1	830962.8	9.5	19.9	1.7	1.58	100%	1.33E-07	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	5.32E-07	1.89E-07	6.79E-07	2.67E-07	2.68E-07	0.00E+00	1.65E-07	6.97E-07	4.49E-07	7.55E-07	4.87E-07	6.22E-07	1.33E-07	1.33E-07	1.33E-07
		HCP04_AC02	LINE	817133.1	830962.8	817141.7	830963.3	9.5	20.4	1.7	1.58	100%	1.33E-07	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	5.32E-07	1.89E-07	6.79E-07	2.67E-07	2.68E-07	0.00E+00	1.65E-07	6.97E-07	4.49E-07	7.55E-07	4.87E-07	6.22E-07	1.33E-07	1.33E-07	1.33E-07
		HCP04_AC03	LINE	817141.7	830963.3	817157.2	830948.3	9.5	21	1.7	1.58	100%	1.33E-07	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	5.32E-07	1.89E-07	6.79E-07	2.67E-07	2.68E-07	0.00E+00	1.65E-07	6.97E-07	4.49E-07	7.55E-07	4.87E-07	6.22E-07	1.33E-07	1.33E-07	1.33E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP04	**Carpark near Tat Fuk Road**	HCP04_01	AREAPOLY	817041.1	831045.1	18.5	3.5	5137.6	817041.1 831045.1 817047.2 831048.9 817065.6 831041.3 817075.9 831035.3 817079.1 831039.5 817091.8 831034.2 817110.4 831051.2 817117.5 831047.2 817123.1 831052.2 817132.1 831039.9 817127.1 831035.0 817132.1 831027.7 817130.9 831026.1 817130.8 831021.3 817117.3 830993.0 817136.7 830978.7 817123.9 830968.9 817120.4 830962.1 817111.6 830964.1 817110.8 830974.9 817099.6 830975.0 817052.5 830993.6 817043.0 831030.6 817041.1 831045.1	24	3.26	3.57E-08	3.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	0.00E+00	1.44E-07	4.90E-08	1.81E-07	7.17E-08	7.18E-08	0.00E+00	4.22E-08	1.86E-07	1.19E-07	2.01E-07	1.27E-07	1.66E-07	3.57E-08	3.56E-08	3.57E-08

Note:

1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP09

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	100	14%	Bypass route	0
Starting on Public Road	600	86%	Running inside PTI/ Carpark [1]	215
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB8 13 **Day:** 1

Hour		No. of Trip [1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1							1	1											
1	2							1	1											
2	3							1	1											
3	4							1	1											
4	5							1	1											
5	6							1	1											
6	7							1	1											
7	8																			2
8	9																			2
9	10						1		1											1
10	11						1		1											1
11	12						1		1											1
12	13						1		1											1
13	14						1		1											1
14	15						1		1											1
15	16						1		1											1
16	17						1		1											1
17	18							1												
18	19							1												
19	20							1	1											
20	21							1	1											
21	22							1	1											
22	23							1	1											
23	0							1	1											

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	3.48E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.71E-04	2.25E-05	0.00E+00	1.35E-04
2	0.00E+00	0.00E+00	3.48E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.72E-04	2.25E-05	0.00E+00	1.35E-04
3	0.00E+00	0.00E+00	3.48E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.72E-04	2.25E-05	0.00E+00	1.35E-04
4	0.00E+00	0.00E+00	3.49E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.72E-04	2.25E-05	0.00E+00	1.35E-04
5	0.00E+00	0.00E+00	3.48E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.72E-04	2.25E-05	0.00E+00	1.35E-04
6	0.00E+00	0.00E+00	3.48E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.71E-04	2.25E-05	0.00E+00	1.35E-04
7	0.00E+00	0.00E+00	3.48E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.72E-04	2.25E-05	0.00E+00	1.35E-04
8	0.00E+00	0.00E+00	3.48E-04	2.12E-04	0.00E+00	1.27E-03	0.00E+00	0.00E+00	1.71E-04	1.04E-04	0.00E+00	6.25E-04
9	0.00E+00	0.00E+00	3.49E-04	2.12E-04	0.00E+00	1.27E-03	0.00E+00	0.00E+00	1.72E-04	1.04E-04	0.00E+00	6.25E-04
10	0.00E+00	0.00E+00	5.23E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.58E-04	7.23E-05	0.00E+00	4.34E-04
11	0.00E+00	0.00E+00	5.23E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.58E-04	7.23E-05	0.00E+00	4.34E-04
12	0.00E+00	0.00E+00	5.26E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.59E-04	7.23E-05	0.00E+00	4.34E-04
13	0.00E+00	0.00E+00	5.24E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.58E-04	7.23E-05	0.00E+00	4.34E-04
14	0.00E+00	0.00E+00	5.25E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.59E-04	7.23E-05	0.00E+00	4.34E-04
15	0.00E+00	0.00E+00	5.25E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.58E-04	7.23E-05	0.00E+00	4.34E-04
16	0.00E+00	0.00E+00	5.24E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.58E-04	7.23E-05	0.00E+00	4.34E-04
17	0.00E+00	0.00E+00	5.23E-04	1.47E-04	0.00E+00	8.81E-04	0.00E+00	0.00E+00	2.58E-04	7.23E-05	0.00E+00	4.34E-04
18	0.00E+00	0.00E+00	1.74E-04	1.85E-05	0.00E+00	1.11E-04	0.00E+00	0.00E+00	8.58E-05	9.12E-06	0.00E+00	5.47E-05
19	0.00E+00	0.00E+00	1.74E-04	1.85E-05	0.00E+00	1.11E-04	0.00E+00	0.00E+00	8.56E-05	9.12E-06	0.00E+00	5.47E-05
20	0.00E+00	0.00E+00	3.47E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.71E-04	2.25E-05	0.00E+00	1.35E-04
21	0.00E+00	0.00E+00	3.47E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.71E-04	2.25E-05	0.00E+00	1.35E-04
22	0.00E+00	0.00E+00	3.47E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.71E-04	2.25E-05	0.00E+00	1.35E-04
23	0.00E+00	0.00E+00	3.46E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.70E-04	2.25E-05	0.00E+00	1.35E-04
24	0.00E+00	0.00E+00	3.46E-04	4.56E-05	0.00E+00	2.74E-04	0.00E+00	0.00E+00	1.70E-04	2.25E-05	0.00E+00	1.35E-04

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	100	14%	Bypass route	0
Starting on Public Road	600	86%	Running inside PTI/ Carpark [1]	215
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: HGV8 7 **Day:** 1

Hour		No. of Trip [1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			2
9	10				1	1														1
10	11				1	1														1
11	12				1	1														1
12	13				1	1														1
13	14				1	1														1
14	15				1	1														1
15	16				1	1														1
16	17				1	1														1
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	1.51E-04	1.06E-04	0.00E+00	6.35E-04	0.00E+00	0.00E+00	7.44E-05	5.21E-05	0.00E+00	3.13E-04
9	0.00E+00	0.00E+00	3.03E-04	2.12E-04	0.00E+00	1.27E-03	0.00E+00	0.00E+00	1.49E-04	1.04E-04	0.00E+00	6.25E-04
10	0.00E+00	0.00E+00	4.55E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.24E-04	6.16E-05	0.00E+00	3.69E-04
11	0.00E+00	0.00E+00	4.55E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.24E-04	6.16E-05	0.00E+00	3.69E-04
12	0.00E+00	0.00E+00	4.57E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.25E-04	6.16E-05	0.00E+00	3.69E-04
13	0.00E+00	0.00E+00	4.55E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.24E-04	6.16E-05	0.00E+00	3.69E-04
14	0.00E+00	0.00E+00	4.56E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.25E-04	6.16E-05	0.00E+00	3.69E-04
15	0.00E+00	0.00E+00	4.56E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.24E-04	6.16E-05	0.00E+00	3.69E-04
16	0.00E+00	0.00E+00	4.56E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.24E-04	6.16E-05	0.00E+00	3.69E-04
17	0.00E+00	0.00E+00	4.55E-04	1.25E-04	0.00E+00	7.50E-04	0.00E+00	0.00E+00	2.24E-04	6.16E-05	0.00E+00	3.69E-04
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Routing (m)				
Starting inside PTI/ Carpark [1]	100	14%	Bypass route	0
Starting on Public Road	600	86%	Running inside PTI/ Carpark [1]	215
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

INDEX

Vehicle Type: HGV9 17

Day: 1

Hour		No. of Trip [1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			5
8	9																			7
9	10		1		1	2	2	2	1											
10	11		1		1	2	2	2	1											
11	12		1		1	2	2	2	1											
12	13		1		1	2	2	2	1											
13	14		1		1	2	2	2	1											
14	15		1		1	2	2	2	1											
15	16		1		1	2	2	2	1											
16	17		1		1	2	2	2	1											
17	18		2						1											
18	19		2						1											
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	7.54E-04	5.29E-04	0.00E+00	3.18E-03	0.00E+00	0.00E+00	3.71E-04	2.61E-04	0.00E+00	1.56E-03
9	0.00E+00	0.00E+00	1.06E-03	7.41E-04	0.00E+00	4.45E-03	0.00E+00	0.00E+00	5.21E-04	3.65E-04	0.00E+00	2.19E-03
10	0.00E+00	0.00E+00	1.36E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.70E-04	6.19E-05	0.00E+00	3.71E-04
11	0.00E+00	0.00E+00	1.36E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.70E-04	6.19E-05	0.00E+00	3.71E-04
12	0.00E+00	0.00E+00	1.37E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.74E-04	6.19E-05	0.00E+00	3.71E-04
13	0.00E+00	0.00E+00	1.36E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.71E-04	6.19E-05	0.00E+00	3.71E-04
14	0.00E+00	0.00E+00	1.37E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.73E-04	6.19E-05	0.00E+00	3.71E-04
15	0.00E+00	0.00E+00	1.36E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.72E-04	6.19E-05	0.00E+00	3.71E-04
16	0.00E+00	0.00E+00	1.36E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.71E-04	6.19E-05	0.00E+00	3.71E-04
17	0.00E+00	0.00E+00	1.36E-03	1.26E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	6.70E-04	6.19E-05	0.00E+00	3.71E-04
18	0.00E+00	0.00E+00	4.54E-04	3.38E-05	0.00E+00	2.03E-04	0.00E+00	0.00E+00	2.23E-04	1.66E-05	0.00E+00	9.96E-05
19	0.00E+00	0.00E+00	4.52E-04	3.38E-05	0.00E+00	2.03E-04	0.00E+00	0.00E+00	2.23E-04	1.66E-05	0.00E+00	9.96E-05
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source				Area/Polyarea/Line																										
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	Route A	HCP09_A01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	56%	2.44E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08	4.53E-07	6.23E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.13E-07	2.80E-08	2.80E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08	2.44E-08
		HCP09_A02	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A03	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A04	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A05	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A06	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A07	LINE	816730.7	830931.1	816702	831025	11.5	14.5	1.7	1.58	56%	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	4.11E-07	5.65E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	1.93E-07	2.54E-08	2.54E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08	2.21E-08
		HCP09_A08	LINE	816702	831025	816673	831117.7	11	13.3	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A09	LINE	816673	831117.7	816643.9	831210.5	11	11.7	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A10	LINE	816643.9	831210.5	816637	831227.1	11	11.4	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A11	LINE	816637	831227.1	816624.6	831246.7	11	11.2	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A12	LINE	816624.6	831246.7	816604.1	831268.8	11	10.8	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
		HCP09_A13	LINE	816604.1	831268.8	816558.4	831308.7	11	10.3	1.7	1.58	56%	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	4.30E-07	5.91E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.02E-07	2.65E-08	2.65E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08	2.31E-08
HCP09	Route B	HCP09_B01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09
		HCP09_B02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09
		HCP09_B03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.59E-09	9.59E-09	9.59E-09	9.59E-09	9.59E-09
		HCP09_B04	LINE	816981.8	830867.6	817004.4	830874.4	12	19.7	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B05	LINE	817004.4	830874.4	817021.6	830876	12	20.3	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B06	LINE	817021.6	830876	817038.1	830873.9	12	20.9	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B07	LINE	817038.1	830873.9	817054.9	830868.6	12	20.8	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B08	LINE	817054.9	830868.6	817067.6	830867.1	12	20.6	1.7	1.58	22%	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	1.56E-07	2.14E-07	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	7.31E-08	9.61E-09	9.61E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09	8.39E-09
		HCP09_B09	LINE	817067.6	830867.1	817087.2	830879.8	9.5	20.4	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B10	LINE	817087.2	830879.8	817116.4	830910.4	9.5	20.7	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B11	LINE	817116.4	830910.4	817157.2	830948.3	9.5	21.3	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B12	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B13	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B14	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B15	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B16	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
		HCP09_B17	LINE	817283.8	831147.5	817288.3	831163.2	9.5	23.7	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08
HCP09	Route C	HCP09_C01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09
		HCP09_C02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09
		HCP09_C03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09	1.78E-07	2.45E-07	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	8.36E-08	1.10E-08	1.10E-08	9.60E-09	9.60E-09	9.60E-09	9.60E-09	9.60E-09
		HCP09_C04	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C05	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C06	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C07	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C08	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C09	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C10	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C11	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C12	LINE	817192.7	830846.5	817210.3	830864	11	26	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C13	LINE	817210.3	830864	817255.2	830916.2	11	27	1.7	1.58	22%	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09	1.70E-07	2.34E-07	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	7.98E-08	1.05E-08	1.05E-08	9.16E-09	9.16E-09	9.16E-09	9.16E-09	9.16E-09
		HCP09_C14	LINE	817255.2	830916.2	817310.9	830981.5	9.5	28.9	1.7	1.58	22%	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.97E-07	2.71E-07	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	9.24E-08	1.21E-08	1.21E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08	1.06E-08

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	**Carpark near To Lai Road**	HCP09_01	AREAPOLY	816806.1	830848.6	16.1	3.4	3346.8	816806.1 830848.6 816861.9 830832.3 816862.7 830816.6 816856.9 830807.7 816857.0 830801.1 816855.4 830794.4 816846.7 830793.5 816846.1 830788.7 816842.4 830787.5 816836.3 830792.4 816830.4 830786.7 816783.8 830791.5 816773.8 830795.1 816778.0 830814.3 816791.8 830810.0 816798.4 830809.6 816807.1 830821.3 816807.9 830832.9 816806.1 830848.6	19	3.18	1.17E-07	1.18E-07	1.18E-07	1.18E-07	1.18E-07	1.18E-07	1.18E-07	6.27E-07	8.59E-07	8.17E-07	8.17E-07	8.22E-07	8.19E-07	8.20E-07	8.20E-07	8.19E-07	8.17E-07	2.03E-07	2.03E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

				Line Source								Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	Route A	HCP09_A01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	56%	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	2.23E-07	3.07E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.38E-08	1.38E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08
		HCP09_A02	LINE	816860.5	830839.5	816828.4	830849.1	11.5	17.1	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A03	LINE	816828.4	830849.1	816770.1	830875.7	11.5	16.7	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A04	LINE	816770.1	830875.7	816755.7	830887.1	11.5	16	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A05	LINE	816755.7	830887.1	816742.7	830904	11.5	15.8	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A06	LINE	816742.7	830904	816730.7	830931.1	11.5	15.2	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A07	LINE	816730.7	830931.1	816702	831025	11.5	14.5	1.7	1.58	56%	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	2.02E-07	2.78E-07	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	9.50E-08	1.25E-08	1.25E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08	1.09E-08
		HCP09_A08	LINE	816702	831025	816673	831117.7	11	13.3	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A09	LINE	816673	831117.7	816643.9	831210.5	11	11.7	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A10	LINE	816643.9	831210.5	816637	831227.1	11	11.4	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A11	LINE	816637	831227.1	816624.6	831246.7	11	11.2	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A12	LINE	816624.6	831246.7	816604.1	831268.8	11	10.8	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
		HCP09_A13	LINE	816604.1	831268.8	816558.4	831308.7	11	10.3	1.7	1.58	56%	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	2.11E-07	2.91E-07	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	9.93E-08	1.30E-08	1.30E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08	1.14E-08
HCP09	Route B	HCP09_B01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	8.76E-08	1.20E-07	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	5.41E-09	5.41E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09
		HCP09_B02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	8.76E-08	1.20E-07	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	5.41E-09	5.41E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09
		HCP09_B03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	8.76E-08	1.20E-07	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	4.11E-08	5.41E-09	5.41E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09	4.72E-09
		HCP09_B04	LINE	816981.8	830867.6	817004.4	830874.4	12	19.7	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B05	LINE	817004.4	830874.4	817021.6	830876	12	20.3	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B06	LINE	817021.6	830876	817038.1	830873.9	12	20.9	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B07	LINE	817038.1	830873.9	817054.9	830868.6	12	20.8	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B08	LINE	817054.9	830868.6	817067.6	830867.1	12	20.6	1.7	1.58	22%	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	7.67E-08	1.05E-07	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	3.60E-08	4.73E-09	4.73E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09	4.13E-09
		HCP09_B09	LINE	817067.6	830867.1	817087.2	830879.8	9.5	20.4	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B10	LINE	817087.2	830879.8	817116.4	830910.4	9.5	20.7	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B11	LINE	817116.4	830910.4	817157.2	830948.3	9.5	21.3	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B12	LINE	817157.2	830948.3	817195.3	830984.2	9.5	21.7	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B13	LINE	817195.3	830984.2	817207.9	830999	9.5	22.1	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B14	LINE	817207.9	830999	817252.3	831058.6	9.5	22.5	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B15	LINE	817252.3	831058.6	817264.2	831079.2	9.5	23	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B16	LINE	817264.2	831079.2	817283.8	831147.5	9.5	23.4	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
		HCP09_B17	LINE	817283.8	831147.5	817288.3	831163.2	9.5	23.7	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.68E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09
HCP09	Route C	HCP09_C01	LINE	816859.3	830833.1	816860.5	830839.5	10.5	17.1	1.7	1.58	22%	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	8.77E-08	1.21E-07	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	5.41E-09	5.41E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09
		HCP09_C02	LINE	816860.5	830839.5	816894.4	830841.9	10.5	17.5	1.7	1.58	22%	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	8.77E-08	1.21E-07	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	5.41E-09	5.41E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09
		HCP09_C03	LINE	816894.4	830841.9	816981.8	830867.6	10.5	18.3	1.7	1.58	22%	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	8.77E-08	1.21E-07	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	4.12E-08	5.41E-09	5.41E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09	4.73E-09
		HCP09_C04	LINE	816981.8	830867.6	816998.5	830851.5	11	19.8	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C05	LINE	816998.5	830851.5	817044.7	830776.9	11	20.9	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C06	LINE	817044.7	830776.9	817057.4	830767.3	11	21.2	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C07	LINE	817057.4	830767.3	817067.7	830765.3	11	21.3	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C08	LINE	817067.7	830765.3	817084.6	830773.7	11	21.6	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C09	LINE	817084.6	830773.7	817133.2	830803.3	11	22.5	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C10	LINE	817133.2	830803.3	817164	830823.6	11	24.5	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C11	LINE	817164	830823.6	817192.7	830846.5	11	25.3	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C12	LINE	817192.7	830846.5	817210.3	830864	11	26	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C13	LINE	817210.3	830864	817255.2	830916.2	11	27	1.7	1.58	22%	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	8.37E-08	1.15E-07	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	3.93E-08	5.16E-09	5.16E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09	4.51E-09
		HCP09_C14	LINE	817255.2	830916.2	817310.9	830981.5	9.5	28.9	1.7	1.58	22%	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	9.69E-08	1.33E-07	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	4.55E-08	5.98E-09	5.98E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09	5.22E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP09	**Carpark near To Lai Road**	HCP09_01	AREAPOLY	816806.1	830848.6	16.1	3.4	3346.8	816806.1 830848.6 816861.9 830832.3 816862.7 830816.6 816856.9 830807.7 816857.0 830801.1 816855.4 830794.4 816846.7 830793.5 816846.1 830788.7 816842.4 830787.5 816836.3 830792.4 816830.4 830786.7 816783.8 830791.5 816773.8 830795.1 816778.0 830814.3 816791.8 830810.0 816798.4 830809.6 816807.1 830821.3 816807.9 830832.9 816806.1 830848.6	19	3.18	5.79E-08	5.80E-08	5.80E-08	5.80E-08	5.80E-08	5.79E-08	5.80E-08	3.09E-07	4.23E-07	4.02E-07	4.02E-07	4.05E-07	4.03E-07	4.04E-07	4.03E-07	4.03E-07	4.02E-07	1.00E-07	9.98E-08	5.78E-08	5.78E-08	5.78E-08	5.76E-08	5.76E-08

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP11

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB6 11 **Day:** 1

Hour		No. of Trip [1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12									1										1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18		1																	
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	7.53E-05	1.10E-04	9.32E-05	2.76E-04	0.00E+00	0.00E+00	2.93E-05	4.26E-05	3.63E-05	1.07E-04
9	0.00E+00	0.00E+00	7.55E-05	1.10E-04	9.34E-05	2.76E-04	0.00E+00	0.00E+00	2.94E-05	4.26E-05	3.63E-05	1.07E-04
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	1.52E-04	1.45E-04	1.51E-04	3.63E-04	0.00E+00	0.00E+00	5.91E-05	5.62E-05	5.87E-05	1.41E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	7.55E-05	3.42E-06	4.18E-05	8.61E-06	0.00E+00	0.00E+00	2.94E-05	1.33E-06	1.62E-05	3.35E-06
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB7 12 **Day:** 1

Hour		No. of Trip [1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12									1										1
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	1.06E-04	1.94E-04	1.50E-04	4.88E-04	0.00E+00	0.00E+00	5.22E-05	9.56E-05	7.41E-05	2.40E-04
9	0.00E+00	0.00E+00	1.06E-04	1.94E-04	1.51E-04	4.88E-04	0.00E+00	0.00E+00	5.23E-05	9.56E-05	7.42E-05	2.40E-04
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	2.14E-04	2.56E-04	2.38E-04	6.43E-04	0.00E+00	0.00E+00	1.05E-04	1.26E-04	1.17E-04	3.17E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB8 13 **Day:** 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1		1																	
1	2		1																	
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			3
8	9																			3
9	10			1			1													
10	11									1										
11	12									3										3
12	13																			
13	14		1																	
14	15		3										1	1						
15	16								1							1				
16	17			1					1											
17	18		3					1												
18	19																			
19	20																			
20	21		1																	
21	22		1																	
22	23		1																	
23	0		1																	

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	2.59E-04	5.79E-06	1.40E-04	1.46E-05	0.00E+00	0.00E+00	1.27E-04	2.85E-06	6.90E-05	7.16E-06
2	0.00E+00	0.00E+00	2.59E-04	5.79E-06	1.41E-04	1.46E-05	0.00E+00	0.00E+00	1.28E-04	2.85E-06	6.92E-05	7.16E-06
3	0.00E+00	0.00E+00	2.59E-04	1.85E-04	2.28E-04	4.66E-04	0.00E+00	0.00E+00	1.28E-04	9.12E-05	1.12E-04	2.29E-04
4	0.00E+00	0.00E+00	2.59E-04	1.85E-04	2.28E-04	4.66E-04	0.00E+00	0.00E+00	1.28E-04	9.12E-05	1.12E-04	2.29E-04
5	0.00E+00	0.00E+00	2.59E-04	1.85E-04	2.28E-04	4.66E-04	0.00E+00	0.00E+00	1.28E-04	9.12E-05	1.12E-04	2.29E-04
6	0.00E+00	0.00E+00	2.59E-04	1.85E-04	2.27E-04	4.66E-04	0.00E+00	0.00E+00	1.27E-04	9.12E-05	1.12E-04	2.29E-04
7	0.00E+00	0.00E+00	2.59E-04	1.85E-04	2.28E-04	4.66E-04	0.00E+00	0.00E+00	1.28E-04	9.12E-05	1.12E-04	2.29E-04
8	0.00E+00	0.00E+00	7.76E-04	5.56E-04	6.82E-04	1.40E-03	0.00E+00	0.00E+00	3.82E-04	2.74E-04	3.36E-04	6.88E-04
9	0.00E+00	0.00E+00	7.79E-04	5.56E-04	6.84E-04	1.40E-03	0.00E+00	0.00E+00	3.83E-04	2.74E-04	3.37E-04	6.88E-04
10	0.00E+00	0.00E+00	5.19E-04	3.47E-05	2.93E-04	8.73E-05	0.00E+00	0.00E+00	2.56E-04	1.71E-05	1.44E-04	4.30E-05
11	0.00E+00	0.00E+00	2.59E-04	5.90E-05	1.67E-04	1.48E-04	0.00E+00	0.00E+00	1.28E-04	2.91E-05	8.20E-05	7.31E-05
12	0.00E+00	0.00E+00	1.57E-03	7.33E-04	1.19E-03	1.84E-03	0.00E+00	0.00E+00	7.71E-04	3.61E-04	5.85E-04	9.07E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	2.60E-04	5.79E-06	1.41E-04	1.46E-05	0.00E+00	0.00E+00	1.28E-04	2.85E-06	6.95E-05	7.16E-06
15	0.00E+00	0.00E+00	1.30E-03	2.95E-04	8.35E-04	7.42E-04	0.00E+00	0.00E+00	6.41E-04	1.45E-04	4.11E-04	3.65E-04
16	0.00E+00	0.00E+00	5.20E-04	2.21E-04	3.84E-04	5.56E-04	0.00E+00	0.00E+00	2.56E-04	1.09E-04	1.89E-04	2.74E-04
17	0.00E+00	0.00E+00	5.19E-04	5.79E-05	3.04E-04	1.46E-04	0.00E+00	0.00E+00	2.56E-04	2.85E-05	1.50E-04	7.17E-05
18	0.00E+00	0.00E+00	1.04E-03	4.98E-05	5.75E-04	1.25E-04	0.00E+00	0.00E+00	5.11E-04	2.45E-05	2.83E-04	6.16E-05
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	2.58E-04	5.79E-06	1.40E-04	1.46E-05	0.00E+00	0.00E+00	1.27E-04	2.85E-06	6.89E-05	7.16E-06
22	0.00E+00	0.00E+00	2.58E-04	5.79E-06	1.40E-04	1.46E-05	0.00E+00	0.00E+00	1.27E-04	2.85E-06	6.90E-05	7.16E-06
23	0.00E+00	0.00E+00	2.57E-04	5.79E-06	1.40E-04	1.46E-05	0.00E+00	0.00E+00	1.27E-04	2.85E-06	6.87E-05	7.16E-06
24	0.00E+00	0.00E+00	2.58E-04	5.79E-06	1.40E-04	1.46E-05	0.00E+00	0.00E+00	1.27E-04	2.85E-06	6.88E-05	7.16E-06

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: HGV7 6 **Day:** 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			
9	10																			2
10	11																			
11	12																			
12	13																			
13	14																			
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	9.05E-05	1.94E-04	1.42E-04	4.88E-04	0.00E+00	0.00E+00	4.46E-05	9.55E-05	7.01E-05	2.40E-04
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	1.81E-04	3.88E-04	2.85E-04	9.75E-04	0.00E+00	0.00E+00	8.93E-05	1.91E-04	1.40E-04	4.80E-04
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: HGV8 7

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3															1				1
3	4															1				1
4	5															1				1
5	6															1				1
6	7															1				1
7	8																			3
8	9															2				2
9	10																			5
10	11																			
11	12																			
12	13					2														
13	14																			
14	15																			2
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	4.51E-04	3.59E-04	4.14E-04	9.02E-04	0.00E+00	0.00E+00	2.22E-04	1.77E-04	2.04E-04	4.44E-04
4	0.00E+00	0.00E+00	4.51E-04	3.59E-04	4.14E-04	9.02E-04	0.00E+00	0.00E+00	2.22E-04	1.77E-04	2.04E-04	4.44E-04
5	0.00E+00	0.00E+00	4.51E-04	3.59E-04	4.14E-04	9.02E-04	0.00E+00	0.00E+00	2.22E-04	1.77E-04	2.04E-04	4.44E-04
6	0.00E+00	0.00E+00	4.50E-04	3.59E-04	4.13E-04	9.02E-04	0.00E+00	0.00E+00	2.22E-04	1.77E-04	2.04E-04	4.44E-04
7	0.00E+00	0.00E+00	4.51E-04	3.59E-04	4.14E-04	9.02E-04	0.00E+00	0.00E+00	2.22E-04	1.77E-04	2.04E-04	4.44E-04
8	0.00E+00	0.00E+00	6.75E-04	5.56E-04	6.29E-04	1.40E-03	0.00E+00	0.00E+00	3.32E-04	2.74E-04	3.09E-04	6.88E-04
9	0.00E+00	0.00E+00	9.03E-04	7.18E-04	8.28E-04	1.80E-03	0.00E+00	0.00E+00	4.44E-04	3.53E-04	4.08E-04	8.88E-04
10	0.00E+00	0.00E+00	1.13E-03	9.26E-04	1.05E-03	2.33E-03	0.00E+00	0.00E+00	5.55E-04	4.56E-04	5.16E-04	1.15E-03
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	4.52E-04	3.94E-05	2.59E-04	9.90E-05	0.00E+00	0.00E+00	2.22E-04	1.94E-05	1.28E-04	4.87E-05
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	4.52E-04	3.71E-04	4.20E-04	9.32E-04	0.00E+00	0.00E+00	2.23E-04	1.82E-04	2.07E-04	4.59E-04
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	175	25%	Bypass route	0
Starting on Public Road	440	63%	Running inside PTI/ Carpark [1]	320
Access Road - Arrival	85	12%		
Access Road - Departure	85			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: HGV9 17

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			7
8	9																			2
9	10																			
10	11																			
11	12																			
12	13																			
13	14																			
14	15		2																	4
15	16																			
16	17																			
17	18																			
18	19		2																	
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	2.25E-04	1.85E-04	2.09E-04	4.66E-04	0.00E+00	0.00E+00	1.11E-04	9.12E-05	1.03E-04	2.29E-04
4	0.00E+00	0.00E+00	2.25E-04	1.85E-04	2.10E-04	4.66E-04	0.00E+00	0.00E+00	1.11E-04	9.12E-05	1.03E-04	2.29E-04
5	0.00E+00	0.00E+00	2.25E-04	1.85E-04	2.09E-04	4.66E-04	0.00E+00	0.00E+00	1.11E-04	9.12E-05	1.03E-04	2.29E-04
6	0.00E+00	0.00E+00	2.24E-04	1.85E-04	2.09E-04	4.66E-04	0.00E+00	0.00E+00	1.10E-04	9.12E-05	1.03E-04	2.29E-04
7	0.00E+00	0.00E+00	2.25E-04	1.85E-04	2.09E-04	4.66E-04	0.00E+00	0.00E+00	1.11E-04	9.12E-05	1.03E-04	2.29E-04
8	0.00E+00	0.00E+00	1.57E-03	1.30E-03	1.46E-03	3.26E-03	0.00E+00	0.00E+00	7.73E-04	6.38E-04	7.21E-04	1.60E-03
9	0.00E+00	0.00E+00	4.50E-04	3.71E-04	4.19E-04	9.32E-04	0.00E+00	0.00E+00	2.22E-04	1.82E-04	2.06E-04	4.59E-04
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	1.35E-03	7.53E-04	1.09E-03	1.89E-03	0.00E+00	0.00E+00	6.67E-04	3.70E-04	5.34E-04	9.31E-04
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	4.49E-04	1.16E-05	2.44E-04	2.91E-05	0.00E+00	0.00E+00	2.21E-04	5.69E-06	1.20E-04	1.43E-05
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source						Area/Polyarea/Line																										
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Route A**	HCP11_A01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	1.1%	3.34E-11	3.34E-11	4.21E-09	4.21E-09	4.21E-09	4.21E-09	4.21E-09	1.68E-08	1.12E-08	7.79E-09	3.41E-10	6.54E-09	2.27E-10	3.34E-11	8.19E-09	1.28E-09	3.34E-10	3.07E-10	6.69E-11	0.00E+00	3.34E-11	3.34E-11	3.34E-11	3.34E-11
		HCP11_A02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	1.1%	3.34E-11	3.34E-11	4.21E-09	4.21E-09	4.21E-09	4.21E-09	4.21E-09	1.68E-08	1.12E-08	7.79E-09	3.41E-10	6.54E-09	2.27E-10	3.34E-11	8.19E-09	1.28E-09	3.34E-10	3.07E-10	6.69E-11	0.00E+00	3.34E-11	3.34E-11	3.34E-11	3.34E-11
		HCP11_A03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	1.1%	3.34E-11	3.34E-11	4.21E-09	4.21E-09	4.21E-09	4.21E-09	4.21E-09	1.68E-08	1.12E-08	7.79E-09	3.41E-10	6.54E-09	2.27E-10	3.34E-11	8.19E-09	1.28E-09	3.34E-10	3.07E-10	6.69E-11	0.00E+00	3.34E-11	3.34E-11	3.34E-11	3.34E-11
		HCP11_A04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	1.1%	2.12E-11	2.12E-11	2.67E-09	2.67E-09	2.67E-09	2.67E-09	2.67E-09	1.06E-08	7.12E-09	4.93E-09	2.16E-10	4.14E-09	1.44E-10	2.12E-11	5.19E-09	8.08E-10	2.12E-10	1.95E-10	4.24E-11	0.00E+00	2.12E-11	2.12E-11	2.12E-11	2.12E-11
		HCP11_A05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	1.1%	2.12E-11	2.12E-11	2.67E-09	2.67E-09	2.67E-09	2.67E-09	2.67E-09	1.06E-08	7.12E-09	4.93E-09	2.16E-10	4.14E-09	1.44E-10	2.12E-11	5.19E-09	8.08E-10	2.12E-10	1.95E-10	4.24E-11	0.00E+00	2.12E-11	2.12E-11	2.12E-11	2.12E-11
		HCP11_A06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	1.1%	3.03E-11	3.03E-11	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	1.52E-08	1.02E-08	7.05E-09	3.08E-10	5.92E-09	2.06E-10	3.03E-11	7.41E-09	1.15E-09	3.02E-10	2.78E-10	6.05E-11	0.00E+00	3.03E-11	3.03E-11	3.03E-11	3.03E-11
		HCP11_A13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	1.1%	2.12E-11	2.12E-11	2.67E-09	2.67E-09	2.67E-09	2.67E-09	2.67E-09	1.06E-08	7.12E-09	4.93E-09	2.16E-10	4.14E-09	1.44E-10	2.12E-11	5.19E-09	8.08E-10	2.12E-10	1.95E-10	4.24E-11	0.00E+00	2.12E-11	2.12E-11	2.12E-11	2.12E-11
		HCP11_A14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	1.1%	2.12E-11	2.12E-11	2.67E-09	2.67E-09	2.67E-09	2.67E-09	2.67E-09	1.06E-08	7.12E-09	4.93E-09	2.16E-10	4.14E-09	1.44E-10	2.12E-11	5.19E-09	8.08E-10	2.12E-10	1.95E-10	4.24E-11	0.00E+00	2.12E-11	2.12E-11	2.12E-11	2.12E-11
		HCP11_A15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A19	LINE	816241.3	830628.5	816235	830649.8	13	5.9	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	1.1%	2.44E-11	2.44E-11	3.08E-09	3.08E-09	3.08E-09	3.08E-09	3.08E-09	1.23E-08	8.22E-09	5.69E-09	2.49E-10	4.78E-09	1.66E-10	2.44E-11	5.98E-09	9.33E-10	2.44E-10	2.25E-10	4.89E-11	0.00E+00	2.44E-11	2.44E-11	2.44E-11	2.44E-11
		HCP11_A23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	1.1%	2.76E-11	2.76E-11	3.48E-09	3.48E-09	3.48E-09	3.48E-09	3.48E-09	1.39E-08	9.29E-09	6.43E-09	2.82E-10	5.40E-09	1.88E-10	2.76E-11	6.77E-09	1.05E-09	2.76E-10	2.54E-10	5.52E-11	0.00E+00	2.76E-11	2.76E-11	2.76E-11	2.76E-11
		HCP11_A24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	1.1%	2.76E-11	2.76E-11	3.48E-09	3.48E-09	3.48E-09	3.48E-09	3.48E-09	1.39E-08	9.29E-09	6.43E-09	2.82E-10	5.40E-09	1.88E-10	2.76E-11	6.77E-09	1.05E-09	2.76E-10	2.54E-10	5.52E-11	0.00E+00	2.76E-11	2.76E-11	2.76E-11	2.76E-11
		HCP11_A25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	1.1%	2.76E-11	2.76E-11	3.48E-09	3.48E-09	3.48E-09	3.48E-09	3.48E-09	1.39E-08	9.29E-09	6.43E-09	2.82E-10	5.40E-09	1.88E-10	2.76E-11	6.77E-09	1.05E-09	2.76E-10	2.54E-10	5.52E-11	0.00E+00	2.76E-11	2.76E-11	2.76E-11	2.76E-11
		HCP11_A26	LINE	816136.6	830673.2	816149.6	830652.2	11.5	5.5	1.7	1.58	1.1%	2.76E-11	2.76E-11	3.48E-09	3.48E-09	3.48E-09	3.48E-09	3.48E-09	1.39E-08	9.29E-09	6.43E-09	2.82E-10	5.40E-09	1.88E-10	2.76E-11	6.77E-09	1.05E-09	2.76E-10	2.54E-10	5.52E-11	0.00E+00	2.76E-11	2.76E-11	2.76E-11	2.76E-11
HCP11	**Route B**	HCP11_B01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	0.6%	1.82E-11	1.82E-11	2.30E-09	2.30E-09	2.30E-09	2.30E-09	2.30E-09	9.15E-09	6.13E-09	4.25E-09	1.86E-10	3.57E-09	1.24E-10	1.82E-11	4.47E-09	6.96E-10	1.82E-10	1.68E-10	3.65E-11	0.00E+00	1.82E-11	1.82E-11	1.82E-11	1.82E-11
		HCP11_B02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	0.6%	1.82E-11	1.82E-11	2.30E-09	2.30E-09	2.30E-09	2.30E-09	2.30E-09	9.15E-09	6.13E-09	4.25E-09	1.86E-10	3.57E-09	1.24E-10	1.82E-11	4.47E-09	6.96E-10	1.82E-10	1.68E-10	3.65E-11	0.00E+00	1.82E-11	1.82E-11	1.82E-11	1.82E-11
		HCP11_B03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	0.6%	1.82E-11	1.82E-11	2.30E-09	2.30E-09	2.30E-09	2.30E-09	2.30E-09	9.15E-09	6.13E-09	4.25E-09	1.86E-10	3.57E-09	1.24E-10	1.82E-11	4.47E-09	6.96E-10	1.82E-10	1.68E-10	3.65E-11	0.00E+00	1.82E-11	1.82E-11	1.82E-11	1.82E-11
		HCP11_B04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	0.6%	1.65E-11	1.65E-11	2.08E-09	2.08E-09	2.08E-09	2.08E-09	2.08E-09	8.28E-09	5.55E-09	3.84E-09	1.68E-10	3.23E-09	1.12E-10	1.65E-11	4.04E-09	6.30E-10	1.65E-10	1.52E-10	3.30E-11	0.00E+00	1.65E-11	1.65E-11	1.65E-11	1.65E-11
		HCP11_B13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B18	LINE	816243.7	830605.7	816241.3	830627.9	13	6	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B19	LINE	816241.3	830627.9	816235	830649.8	13	5.9	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B21	LINE	816227.5	830666.2	816210	830686.5	13	5.6	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B22	LINE	816210	830686.5	816175.6	830719.3	13	5.4	1.7	1.58	0.6%	1.33E-11	1.33E-11	1.68E-09	1.68E-09	1.68E-09	1.68E-09	1.68E-09	6.69E-09	4.48E-09	3.10E-09	1.36E-10	2.61E-09	9.06E-11	1.33E-11	3.26E-09	5.09E-10	1.33E-10	1.22E-10	2.67E-11	0.00E+00	1.33E-11	1.33E-11	1.33E-11	1.33E-11
		HCP11_B23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	0.6%	1.51E-11	1.51E-11	1.90E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	7.56E-09	5.07E-09	3.51E-09	1.54E-10	2.95E-09	1.02E-10	1.51E-11	3.69E-09	5.75E-10	1.51E-10	1.38E-10	3.01E-11	0.00E+00	1.51E-11	1.51E-11	1.51E-11	1.51E-11
		HCP11_B24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	0.6%	1.51E-11	1.51E-11	1.90E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	7.56E-09	5.07E-09	3.51E-09	1.54E-10	2.95E-09	1.02E-10	1.51E-11	3.69E-09	5.75E-10	1.51E-10	1.38E-10	3.01E-11	0.00E+00	1.51E-11	1.51E-11	1.51E-11	1.51E-11
		HCP11_B25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	0.6%	1.51E-11	1.51E-11	1.90E-09	1.90E-09	1.90E-09	1.90E-09	1.90E-09	7.56E-09	5.07E-09	3.51E-09	1.54E-10	2.95E-09	1.02E-10	1.51E-11	3.69E-09	5.75E-10	1.51E-10	1.38E-10	3.01E-11	0.00E+00	1.51E-11	1.51E-11	1.51E-11	1.51E-11
		HCP11_B26	LINE	816136.6	830673.2	816133.2	830661.4	15	5.4	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
		HCP11_B27	LINE	816133.2	830661.4	816127	830650.7	15	5.4	1.7	1.58	0.6%	1.16E-11	1.16E-11	1.45E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09	5.80E-09	3.88E-09	2.69E-09	1.18E-10	2.26E-09	7.85E-11	1.16E-11	2.83E-09	4.41E-10	1.15E-10	1.06E-10	2.31E-11	0.00E+00	1.16E-11	1.16E-11	1.16E-11	1.16E-11
HCP11	**Route C**	HCP11_C01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	0.6%	1.68E-11	1.68E-11	2.12E-09	2.12E-09	2.12E-09	2.12E-09	2.12E-09	8.44E-09	5.65E-09	3.92E-09	1.71E-10	3.29E-09	1.14E-10	1.68E-11	4.12E-09	6.42E-10	1.68E-10	1.54E-10	3.36E-11	0.00E+00	1.68E-11	1.68E-11	1.68E-11	1.68E-11
		HCP11_C02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	0.6%	1.68E-11	1.68E-11	2.12E-09	2.12E-09	2.12E-09	2.12E-09	2.12E-09	8.44E-09	5.65E-09	3.92E-09	1.71E-10	3.29E-09	1.14E-10	1.68E-11	4.12E-09	6.42E-10	1.68E-10	1.54E-10	3.36E-11	0.00E+00	1.68E-11	1.68E-11	1.68E-11	1.68E-11
		HCP11_C03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	0.6%	1.68E-11	1.68E-11	2.12E-09	2.12E-09	2.12E-09	2.12E-09	2.12E-09	8.44E-09	5.65E-09	3.92E-09	1.71E-10	3.29E-09	1.14E-10	1.68E-11	4.12E-09	6.42E-10	1.68E-10	1.54E-10	3.36E-11	0.00E+00	1.68E-11	1.68E-11	1.68E-11	1.68E-11
		HCP11_C04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	0.6%	1.06E-11	1.06E-11	1.34E-09	1.34E-09	1.34E-09	1.34E-09	1.34E-09	5.34E-09	3.58E-09	2.48E-09	1.09E-10	2.08E-09	7.24E-11	1.06E-11	2.61E-09	4.06E-10	1.06E-10	9.78E-11	2.13E-11	0.00E+00	1.06E-11	1.06E-11	1.06E-11	1.06E-11
		HCP11_C05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	0.6%	1.06E-11	1.06E-11	1.34E-09	1.34E-09	1.34E-09	1.34E-09	1.34E-09	5.34E-09	3.58E-09	2.48E-09	1.09E-10	2.08E-09	7.24E-11	1.06E-11	2.61E-09	4.06E-10	1.06E-10	9.78E-11	2.13E-11	0.00E+00	1.06E-11	1.06E-11	1.06E-11	1.06E-11
		HCP11_C06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	0.6%	1.52E-11	1.52E-11	1.92E-09	1.92E-09	1.92E-09	1.92E-09	1.92E-09	7.63E-09	5.12E-09	3.54E-09	1.55E-10	2.98E-09	1.03E-10	1.52E-11	3.73E-09	5.81E-10	1.52E-10	1.40E-10	3.04E-11	0.00E+00	1.52E-11	1.52E-11	1.52E-11	1.52E-11
		HCP11_C13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	0.6%	1.06E-11	1.06E-11	1.34E-09	1.34E-09	1.34E-09	1.34E-09	1.34E-09	5.34E-09	3.58E-09	2.48E-09	1.09E-10	2.08E-09	7.24E-11	1.06E-11	2.61E-09	4.06E-10	1.06E-10	9.78E-11	2.13E-11	0.00E+00	1.06E-11	1.06E-11	1.06E-11	1.06E-11
		HCP11_C14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	0.6%	1.06E-11	1.06E-11	1.34E-09	1.34E-09	1.34E-09	1.34E-09	1.34E-09	5.34E-09	3.58E-09	2.48E-09	1.09E-10	2.08E-09	7.24E-11	1.06E-11	2.61E-09	4.06E-10	1.06E-10	9.78E-11	2.13E-11	0.00E+00	1.06E-11	1.06E-11	1.06E-11	1.06E-11
		HCP11_C15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C19	LINE	816241.3	830628.5	816234.9	830650.3	13	5.9	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C20	LINE	816234.9	830650.3	816227.5	830666.2	13	5.8	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	0.6%	1.23E-11	1.23E-11	1.55E-09	1.55E-09	1.55E-09	1.55E-09	1.55E-09	6.16E-09	4.13E-09	2.86E-09	1.25E-10	2.40E-09	8.35E-11	1.23E-11	3.01E-09	4.69E-10	1.23E-10	1.13E-10	2.46E-11	0.00E+00	1.23E-11	1.23E-11	1.23E-11	1.23E-11
		HCP11_C23	LINE	816175.6	830719.3	816161.5	830732.8	11.5	5.4	1.7	1.58	0.6%	1.39E-11	1.39E-11	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	6.97E-09	4.67E-09	3.23E-09	1.42E-10	2.72E-09	9.44E-11	1.39E-11	3.40E-09	5.30E-10	1.39E-10	1.28E-10	2.78E-11	0.00E+00	1.39E-11	1.39E-11	1.39E-11	1.39E-11
		HCP11_C24	LINE	816161.5	830732.8	816147.4	830751.2	11.5	5.6	1.7	1.58	0.6%	1.39E-11	1.39E-11	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	6.97E-09	4.67E-09	3.23E-09	1.42E-10	2.72E-09	9.44E-11	1.39E-11	3.40E-09	5.30E-10	1.39E-10	1.28E-10	2.78E-11	0.00E+00	1.39E-11	1.39E-11	1.39E-11	1.39E-11
		HCP11_C25	LINE	816147.4	830751.2	816133.1	830776.6	11.5	5.8	1.7	1.58	0.6%	1.39E-11	1.39E-11	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	6.97E-09	4.67E-09	3.23E-09	1.42E-10	2.72E-09	9.44E-11	1.39E-11	3.40E-09	5.30E-10	1.39E-10	1.28E-10	2.78E-11	0.00E+00	1.39E-11	1.39E-11	1.39E-11	1.39E-11
		HCP11_C26	LINE	816133.1	830776.6	816130.3	830796.4	11.5	6.3	1.7	1.58	0.6%	1.39E-11	1.39E-11	1.75E-09	1.75E-09	1.75E-09	1.75E-09	1.75E-09	6.97E-09	4.67E-09	3.23E-09	1.42E-10	2.72E-09	9.44E-11	1.39E-11	3.40E-09	5.30E-10	1.39E-10	1.28E-10	2.78E-11	0.00E+00	1.39E-11	1.39E-11	1.39E-11	1.39E-11
HCP11	**Route D**	HCP11_D01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	50.0%	9.05E-10	9.05E-10	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	4.54E-07	3.04E-07	2.11E-07	9.22E-09	1.77E-07	6.15E-09	9.05E-10	2.22E-07	3.45E-08	9.04E-09	8.31E-09	1.81E-09	0.00E+00	9.05E-10	9.05E-10	9.05E-10	9.05E-10
		HCP11_D05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	50.0%	9.05E-10	9.05E-10	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	4.54E-07	3.04E-07	2.11E-07	9.22E-09	1.77E-07	6.15E-09	9.05E-10	2.22E-07	3.45E-08	9.04E-09	8.31E-09	1.81E-09	0.00E+00	9.05E-10	9.05E-10	9.05E-10	9.05E-10
		HCP11_D06	LINE	816404.3	830588.5	816413.2	830591.8	9.5	7.3	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D07	LINE	816413.2	830591.8	816421.8	830597.3	9.5	7.3	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D08	LINE	816421.8	830597.3	816450.4	830625.5	9.5	7.3	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D09	LINE	816450.4	830625.5	816477	830644.6	9.5	7.2	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D10	LINE	816477	830644.6	816501	830655.4	9.5	7.2	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D11	LINE	816501	830655.4	816520.7	830660	9.5	7.3	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D12	LINE	816520.7	830660	816594	830666.5	9.5	7.7	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D13	LINE	816594	830666.5	816667.3	830673	9.5	7.9	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D14	LINE	816667.3	830673	816697.7	830675.1	9.5	8.6	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D15	LINE	816697.7	830675.1	816731.9	830681.6	9.5	9.8	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
		HCP11_D16	LINE	816731.9	830681.6	816803.5	830696.3	9.5	11.8	1.7	1.58	50.0%	1.43E-09	1.43E-09	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	7.17E-07	4.80E-07	3.33E-07	1.46E-08	2.79E-07	9.71E-09	1.43E-09	3.50E-07	5.45E-08	1.43E-08	1.31E-08	2.86E-09	0.00E+00	1.43E-09	1.43E-09	1.43E-09	1.43E-09
HCP11	**Route E**	HCP11_E01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	47.7%	1.38E-09	1.38E-09	1.74E-07	1.74E-07	1.74E-07	1.74E-07	1.74E-07	6.92E-07	4.64E-07	3.21E-07	1.41E-08	2.70E-07	9.37E-09	1.38E-09	3.38E-07	5.26E-08	1.38E-08	1.27E-08	2.76E-09	0.00E+00	1.38E-09	1.38E-09	1.38E-09	1.38E-09
		HCP11_E02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	47.7%	1.38E-09	1.38E-09	1.74E-07	1.74E-07	1.74E-07	1.74E-07	1.74E-07	6.92E-07	4.64E-07	3.21E-07	1.41E-08	2.70E-07	9.37E-09	1.38E-09	3.38E-07	5.26E-08	1.38E-08	1.27E-08	2.76E-09	0.00E+00	1.38E-09	1.38E-09	1.38E-09	1.38E-09
		HCP11_E03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	47.7%	1.38E-09	1.38E-09	1.74E-07	1.74E-07	1.74E-07	1.74E-07	1.74E-07	6.92E-07	4.64E-07	3.21E-07	1.41E-08	2.70E-07	9.37E-09	1.38E-09	3.38E-07	5.26E-08	1.38E-08	1.27E-08	2.76E-09	0.00E+00	1.38E-09	1.38E-09	1.38E-09	1.38E-09
		HCP11_E04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	47.7%	8.73E-10	8.73E-10	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	4.38E-07	2.94E-07	2.03E-07	8.90E-09	1.71E-07	5.94E-09	8.73E-10	2.14E-07	3.33E-08	8.72E-09	8.02E-09	1.75E-09	0.00E+00	8.73E-10	8.73E-10	8.73E-10	8.73E-10
		HCP11_E05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	47.7%	8.73E-10	8.73E-10	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	4.38E-07	2.94E-07	2.03E-07	8.90E-09	1.71E-07	5.94E-09	8.73E-10	2.14E-07	3.33E-08	8.72E-09	8.02E-09	1.75E-09	0.00E+00	8.73E-10	8.73E-10	8.73E-10	8.73E-10
		HCP11_E06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E09	LINE	816347.1	830596.3	816328.7	830593.2	10.5	7	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E10	LINE	816328.7	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	47.7%	1.25E-09	1.25E-09	1.57E-07	1.57E-07	1.57E-07	1.57E-07	1.57E-07	6.26E-07	4.19E-07	2.90E-07	1.27E-08	2.44E-07	8.48E-09	1.25E-09	3.05E-07	4.76E-08	1.25E-08	1.15E-08	2.49E-09	0.00E+00	1.25E-09	1.25E-09	1.25E-09	1.25E-09
		HCP11_E13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	47.7%	8.73E-10	8.73E-10	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	4.38E-07	2.94E-07	2.03E-07	8.90E-09	1.71E-07	5.94E-09	8.73E-10	2.14E-07	3.33E-08	8.72E-09	8.02E-09	1.75E-09	0.00E+00	8.73E-10	8.73E-10	8.73E-10	8.73E-10
		HCP11_E14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	47.7%	8.73E-10	8.73E-10	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	4.38E-07	2.94E-07	2.03E-07	8.90E-09	1.71E-07	5.94E-09	8.73E-10	2.14E-07	3.33E-08	8.72E-09	8.02E-09	1.75E-09	0.00E+00	8.73E-10	8.73E-10	8.73E-10	8.73E-10
		HCP11_E15	LINE	816260.2	830594.6	816253.5	830592.8	13	6.2	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
		HCP11_E16	LINE	816253.5	830592.8	816246.4	830525.2	13	7.4	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
		HCP11_E17	LINE	816246.4	830525.2	816239.2	830457.5	13	8.4	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
		HCP11_E18	LINE	816239.2	830457.5	816239.4	830400.9	13	9	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
		HCP11_E19	LINE	816239.4	830400.9	816239.5	830341.5	13	9.4	1.7	1.58	47.7%	1.01E-09	1.01E-09	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	5.05E-07	3.39E-07	2.35E-07	1.03E-08	1.97E-07	6.85E-09	1.01E-09	2.47E-07	3.85E-08	1.01E-08	9.26E-09	2.01E-09	0.00E+00	1.01E-09	1.01E-09	1.01E-09	1.01E-09
HCP11	**Access road**	HCP11_AC01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	100%	1.72E-07	1.72E-07	1.04E-06	1.04E-06	1.04E-06	1.04E-06	1.04E-06	3.87E-06	2.66E-06	1.99E-06	2.04E-07	1.93E-06	3.17E-07	1.73E-07	2.86E-06	4.70E-07	3.72E-07	7.56E-07	2.99E-07	0.00E+00	1.71E-07	1.71E-07	1.71E-07	1.71E-07
		HCP11_AC02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	100%	1.72E-07	1.72E-07	1.04E-06	1.04E-06	1.04E-06	1.04E-06	1.04E-06	3.87E-06	2.66E-06	1.99E-06	2.04E-07	1.93E-06	3.17E-07	1.73E-07	2.86E-06	4.70E-07	3.72E-07	7.56E-07	2.99E-07	0.00E+00	1.71E-07	1.71E-07	1.71E-07	1.71E-07
		HCP11_AC03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	100%	1.72E-07	1.72E-07	1.04E-06	1.04E-06	1.04E-06	1.04E-06	1.04E-06	3.87E-06	2.66E-06	1.99E-06	2.04E-07	1.93E-06	3.17E-07	1.73E-07	2.86E-06	4.70E-07	3.72E-07	7.56E-07	2.99E-07	0.00E+00	1.71E-07	1.71E-07	1.71E-07	1.71E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Carpark near Fu Hang Road**	HCP11_01	AREAPOLY	816550.1	830599.7	10.0	3.1	6682.6	816550.1 830599.7 816553.1 830603.0 816565.8 830600.0 816574.2 830595.4 816589.6 830589.6 816595.9 830578.8 816606.4 830571.4 816605.5 830552.6 816601.5 830542.8 816600.0 830521.1 816583.8 830502.5 816517.7 830522.4 816486.7 830534.6 816493.7 830558.0 816532.5 830542.8 816541.6 830561.6 816531.2 830567.8 816540.5 830592.0 816545.5 830590.3 816550.1 830599.7	20	2.84	3.96E-08	3.97E-08	2.49E-07	2.49E-07	2.49E-07	2.49E-07	2.49E-07	9.28E-07	6.38E-07	4.75E-07	4.77E-08	4.59E-07	7.35E-08	3.98E-08	6.77E-07	1.11E-07	8.63E-08	1.75E-07	6.89E-08	0.00E+00	3.95E-08	3.95E-08	3.94E-08	3.94E-08

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				Line Source						Area/Polyarea/Line																										
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	Route A	HCP11_A01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	1.1%	1.64E-11	1.64E-11	2.07E-09	2.07E-09	2.07E-09	2.07E-09	2.07E-09	8.19E-09	5.47E-09	3.83E-09	1.68E-10	3.14E-09	1.12E-10	1.64E-11	4.03E-09	6.29E-10	1.65E-10	1.49E-10	3.29E-11	0.00E+00	1.64E-11	1.64E-11	1.64E-11	1.64E-11
		HCP11_A02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	1.1%	1.64E-11	1.64E-11	2.07E-09	2.07E-09	2.07E-09	2.07E-09	2.07E-09	8.19E-09	5.47E-09	3.83E-09	1.68E-10	3.14E-09	1.12E-10	1.64E-11	4.03E-09	6.29E-10	1.65E-10	1.49E-10	3.29E-11	0.00E+00	1.64E-11	1.64E-11	1.64E-11	1.64E-11
		HCP11_A03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	1.1%	1.64E-11	1.64E-11	2.07E-09	2.07E-09	2.07E-09	2.07E-09	2.07E-09	8.19E-09	5.47E-09	3.83E-09	1.68E-10	3.14E-09	1.12E-10	1.64E-11	4.03E-09	6.29E-10	1.65E-10	1.49E-10	3.29E-11	0.00E+00	1.64E-11	1.64E-11	1.64E-11	1.64E-11
		HCP11_A04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	1.1%	1.04E-11	1.04E-11	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	5.19E-09	3.47E-09	2.43E-09	1.06E-10	1.99E-09	7.09E-11	1.04E-11	2.55E-09	3.98E-10	1.04E-10	9.45E-11	2.08E-11	0.00E+00	1.04E-11	1.04E-11	1.04E-11	1.04E-11
		HCP11_A05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	1.1%	1.04E-11	1.04E-11	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	5.19E-09	3.47E-09	2.43E-09	1.06E-10	1.99E-09	7.09E-11	1.04E-11	2.55E-09	3.98E-10	1.04E-10	9.45E-11	2.08E-11	0.00E+00	1.04E-11	1.04E-11	1.04E-11	1.04E-11
		HCP11_A06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	1.1%	1.49E-11	1.49E-11	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	7.41E-09	4.95E-09	3.47E-09	1.52E-10	2.84E-09	1.01E-10	1.49E-11	3.65E-09	5.69E-10	1.49E-10	1.35E-10	2.97E-11	0.00E+00	1.49E-11	1.49E-11	1.49E-11	1.49E-11
		HCP11_A13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	1.1%	1.04E-11	1.04E-11	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	5.19E-09	3.47E-09	2.43E-09	1.06E-10	1.99E-09	7.09E-11	1.04E-11	2.55E-09	3.98E-10	1.04E-10	9.45E-11	2.08E-11	0.00E+00	1.04E-11	1.04E-11	1.04E-11	1.04E-11
		HCP11_A14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	1.1%	1.04E-11	1.04E-11	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	5.19E-09	3.47E-09	2.43E-09	1.06E-10	1.99E-09	7.09E-11	1.04E-11	2.55E-09	3.98E-10	1.04E-10	9.45E-11	2.08E-11	0.00E+00	1.04E-11	1.04E-11	1.04E-11	1.04E-11
		HCP11_A15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A19	LINE	816241.3	830628.5	816235	830649.8	13	5.9	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	1.1%	1.20E-11	1.20E-11	1.52E-09	1.52E-09	1.52E-09	1.52E-09	1.52E-09	5.99E-09	4.00E-09	2.80E-09	1.23E-10	2.29E-09	8.18E-11	1.20E-11	2.95E-09	4.59E-10	1.20E-10	1.09E-10	2.40E-11	0.00E+00	1.20E-11	1.20E-11	1.20E-11	1.20E-11
		HCP11_A23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	1.1%	1.36E-11	1.36E-11	1.71E-09	1.71E-09	1.71E-09	1.71E-09	1.71E-09	6.77E-09	4.52E-09	3.17E-09	1.39E-10	2.59E-09	9.24E-11	1.36E-11	3.33E-09	5.19E-10	1.36E-10	1.23E-10	2.72E-11	0.00E+00	1.36E-11	1.36E-11	1.36E-11	1.36E-11
		HCP11_A24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	1.1%	1.36E-11	1.36E-11	1.71E-09	1.71E-09	1.71E-09	1.71E-09	1.71E-09	6.77E-09	4.52E-09	3.17E-09	1.39E-10	2.59E-09	9.24E-11	1.36E-11	3.33E-09	5.19E-10	1.36E-10	1.23E-10	2.72E-11	0.00E+00	1.36E-11	1.36E-11	1.36E-11	1.36E-11
		HCP11_A25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	1.1%	1.36E-11	1.36E-11	1.71E-09	1.71E-09	1.71E-09	1.71E-09	1.71E-09	6.77E-09	4.52E-09	3.17E-09	1.39E-10	2.59E-09	9.24E-11	1.36E-11	3.33E-09	5.19E-10	1.36E-10	1.23E-10	2.72E-11	0.00E+00	1.36E-11	1.36E-11	1.36E-11	1.36E-11
		HCP11_A26	LINE	816136.6	830673.2	816149.6	830652.2	11.5	5.5	1.7	1.58	1.1%	1.36E-11	1.36E-11	1.71E-09	1.71E-09	1.71E-09	1.71E-09	1.71E-09	6.77E-09	4.52E-09	3.17E-09	1.39E-10	2.59E-09	9.24E-11	1.36E-11	3.33E-09	5.19E-10	1.36E-10	1.23E-10	2.72E-11	0.00E+00	1.36E-11	1.36E-11	1.36E-11	1.36E-11
HCP11	Route B	HCP11_B01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	0.6%	8.97E-12	8.97E-12	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	4.47E-09	2.98E-09	2.09E-09	9.16E-11	1.71E-09	6.10E-11	8.97E-12	2.20E-09	3.43E-10	8.98E-11	8.14E-11	1.79E-11	0.00E+00	8.97E-12	8.97E-12	8.97E-12	8.97E-12
		HCP11_B02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	0.6%	8.97E-12	8.97E-12	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	4.47E-09	2.98E-09	2.09E-09	9.16E-11	1.71E-09	6.10E-11	8.97E-12	2.20E-09	3.43E-10	8.98E-11	8.14E-11	1.79E-11	0.00E+00	8.97E-12	8.97E-12	8.97E-12	8.97E-12
		HCP11_B03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	0.6%	8.97E-12	8.97E-12	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	4.47E-09	2.98E-09	2.09E-09	9.16E-11	1.71E-09	6.10E-11	8.97E-12	2.20E-09	3.43E-10	8.98E-11	8.14E-11	1.79E-11	0.00E+00	8.97E-12	8.97E-12	8.97E-12	8.97E-12
		HCP11_B04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	0.6%	8.11E-12	8.11E-12	1.02E-09	1.02E-09	1.02E-09	1.02E-09	1.02E-09	4.04E-09	2.70E-09	1.89E-09	8.28E-11	1.55E-09	5.52E-11	8.11E-12	1.99E-09	3.10E-10	8.12E-11	7.36E-11	1.62E-11	0.00E+00	8.11E-12	8.11E-12	8.11E-12	8.11E-12
		HCP11_B13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B18	LINE	816243.7	830605.7	816241.3	830627.9	13	6	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B19	LINE	816241.3	830627.9	816235	830649.8	13	5.9	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B20	LINE	816235	830649.8	816227.5	830666.2	13	5.8	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B21	LINE	816227.5	830666.2	816210	830686.5	13	5.6	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B22	LINE	816210	830686.5	816175.6	830719.3	13	5.4	1.7	1.58	0.6%	6.55E-12	6.55E-12	8.26E-10	8.26E-10	8.26E-10	8.26E-10	8.26E-10	3.27E-09	2.18E-09	1.53E-09	6.69E-11	1.25E-09	4.46E-11	6.55E-12	1.61E-09	2.51E-10	6.56E-11	5.95E-11	1.31E-11	0.00E+00	6.55E-12	6.55E-12	6.55E-12	6.55E-12
		HCP11_B23	LINE	816175.6	830719.3	816157.1	830717	11.5	5.3	1.7	1.58	0.6%	7.41E-12	7.41E-12	9.34E-10	9.34E-10	9.34E-10	9.34E-10	9.34E-10	3.69E-09	2.47E-09	1.73E-09	7.56E-11	1.41E-09	5.04E-11	7.41E-12	1.82E-09	2.83E-10	7.42E-11	6.72E-11	1.48E-11	0.00E+00	7.41E-12	7.41E-12	7.41E-12	7.41E-12
		HCP11_B24	LINE	816157.1	830717	816143.4	830691.4	11.5	5.4	1.7	1.58	0.6%	7.41E-12	7.41E-12	9.34E-10	9.34E-10	9.34E-10	9.34E-10	9.34E-10	3.69E-09	2.47E-09	1.73E-09	7.56E-11	1.41E-09	5.04E-11	7.41E-12	1.82E-09	2.83E-10	7.42E-11	6.72E-11	1.48E-11	0.00E+00	7.41E-12	7.41E-12	7.41E-12	7.41E-12
		HCP11_B25	LINE	816143.4	830691.4	816136.6	830673.2	11.5	5.4	1.7	1.58	0.6%	7.41E-12	7.41E-12	9.34E-10	9.34E-10	9.34E-10	9.34E-10	9.34E-10	3.69E-09	2.47E-09	1.73E-09	7.56E-11	1.41E-09	5.04E-11	7.41E-12	1.82E-09	2.83E-10	7.42E-11	6.72E-11	1.48E-11	0.00E+00	7.41E-12	7.41E-12	7.41E-12	7.41E-12
		HCP11_B26	LINE	816136.6	830673.2	816133.2	830661.4	15	5.4	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
		HCP11_B27	LINE	816133.2	830661.4	816127	830650.7	15	5.4	1.7	1.58	0.6%	5.68E-12	5.68E-12	7.16E-10	7.16E-10	7.16E-10	7.16E-10	7.16E-10	2.83E-09	1.89E-09	1.32E-09	5.80E-11	1.08E-09	3.86E-11	5.68E-12	1.39E-09	2.17E-10	5.69E-11	5.15E-11	1.14E-11	0.00E+00	5.68E-12	5.68E-12	5.68E-12	5.68E-12
HCP11	Route C	HCP11_C01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	0.6%	8.26E-12	8.26E-12	1.04E-09	1.04E-09	1.04E-09	1.04E-09	1.04E-09	4.12E-09	2.75E-09	1.93E-09	8.44E-11	1.58E-09	5.62E-11	8.26E-12	2.03E-09	3.16E-10	8.28E-11	7.50E-11	1.65E-11	0.00E+00	8.26E-12	8.26E-12	8.26E-12	8.26E-12
		HCP11_C02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	0.6%	8.26E-12	8.26E-12	1.04E-09	1.04E-09	1.04E-09	1.04E-09	1.04E-09	4.12E-09	2.75E-09	1.93E-09	8.44E-11	1.58E-09	5.62E-11	8.26E-12	2.03E-09	3.16E-10	8.28E-11	7.50E-11	1.65E-11	0.00E+00	8.26E-12	8.26E-12	8.26E-12	8.26E-12
		HCP11_C03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	0.6%	8.26E-12	8.26E-12	1.04E-09	1.04E-09	1.04E-09	1.04E-09	1.04E-09	4.12E-09	2.75E-09	1.93E-09	8.44E-11	1.58E-09	5.62E-11	8.26E-12	2.03E-09	3.16E-10	8.28E-11	7.50E-11	1.65E-11	0.00E+00	8.26E-12	8.26E-12	8.26E-12	8.26E-12
		HCP11_C04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	0.6%	5.23E-12	5.23E-12	6.60E-10	6.60E-10	6.60E-10	6.60E-10	6.60E-10	2.61E-09	1.74E-09	1.22E-09	5.34E-11	9.98E-10	3.56E-11	5.23E-12	1.28E-09	2.00E-10	5.24E-11	4.75E-11	1.05E-11	0.00E+00	5.23E-12	5.23E-12	5.23E-12	5.23E-12
		HCP11_C05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	0.6%	5.23E-12	5.23E-12	6.60E-10	6.60E-10	6.60E-10	6.60E-10	6.60E-10	2.61E-09	1.74E-09	1.22E-09	5.34E-11	9.98E-10	3.56E-11	5.23E-12	1.28E-09	2.00E-10	5.24E-11	4.75E-11	1.05E-11	0.00E+00	5.23E-12	5.23E-12	5.23E-12	5.23E-12
		HCP11_C06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C09	LINE	816347.1	830596.3	816328.4	830593.2	10.5	7	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C10	LINE	816328.4	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	0.6%	7.48E-12	7.48E-12	9.43E-10	9.43E-10	9.43E-10	9.43E-10	9.43E-10	3.73E-09	2.49E-09	1.74E-09	7.63E-11	1.43E-09	5.09E-11	7.48E-12	1.83E-09	2.86E-10	7.49E-11	6.78E-11	1.50E-11	0.00E+00	7.48E-12	7.48E-12	7.48E-12	7.48E-12
		HCP11_C13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	0.6%	5.23E-12	5.23E-12	6.60E-10	6.60E-10	6.60E-10	6.60E-10	6.60E-10	2.61E-09	1.74E-09	1.22E-09	5.34E-11	9.98E-10	3.56E-11	5.23E-12	1.28E-09	2.00E-10	5.24E-11	4.75E-11	1.05E-11	0.00E+00	5.23E-12	5.23E-12	5.23E-12	5.23E-12
		HCP11_C14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	0.6%	5.23E-12	5.23E-12	6.60E-10	6.60E-10	6.60E-10	6.60E-10	6.60E-10	2.61E-09	1.74E-09	1.22E-09	5.34E-11	9.98E-10	3.56E-11	5.23E-12	1.28E-09	2.00E-10	5.24E-11	4.75E-11	1.05E-11	0.00E+00	5.23E-12	5.23E-12	5.23E-12	5.23E-12
		HCP11_C15	LINE	816260.2	830594.6	816257.5	830593.9	13	6.2	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C16	LINE	816257.5	830593.9	816249.1	830596.3	13	6.2	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C17	LINE	816249.1	830596.3	816243.7	830605.7	13	6.1	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C18	LINE	816243.7	830605.7	816241.3	830628.5	13	6	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C19	LINE	816241.3	830628.5	816234.9	830650.3	13	5.9	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C20	LINE	816234.9	830650.3	816227.5	830666.2	13	5.8	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C21	LINE	816227.5	830666.2	816210.4	830686.2	13	5.6	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C22	LINE	816210.4	830686.2	816175.6	830719.3	13	5.4	1.7	1.58	0.6%	6.04E-12	6.04E-12	7.62E-10	7.62E-10	7.62E-10	7.62E-10	7.62E-10	3.01E-09	2.01E-09	1.41E-09	6.17E-11	1.15E-09	4.11E-11	6.04E-12	1.48E-09	2.31E-10	6.05E-11	5.48E-11	1.21E-11	0.00E+00	6.04E-12	6.04E-12	6.04E-12	6.04E-12
		HCP11_C23	LINE	816175.6	830719.3	816161.5	830732.8	11.5	5.4	1.7	1.58	0.6%	6.83E-12	6.83E-12	8.61E-10	8.61E-10	8.61E-10	8.61E-10	8.61E-10	3.40E-09	2.27E-09	1.59E-09	6.97E-11	1.30E-09	4.65E-11	6.83E-12	1.67E-09	2.61E-10	6.84E-11	6.19E-11	1.37E-11	0.00E+00	6.83E-12	6.83E-12	6.83E-12	6.83E-12
		HCP11_C24	LINE	816161.5	830732.8	816147.4	830751.2	11.5	5.6	1.7	1.58	0.6%	6.83E-12	6.83E-12	8.61E-10	8.61E-10	8.61E-10	8.61E-10	8.61E-10	3.40E-09	2.27E-09	1.59E-09	6.97E-11	1.30E-09	4.65E-11	6.83E-12	1.67E-09	2.61E-10	6.84E-11	6.19E-11	1.37E-11	0.00E+00	6.83E-12	6.83E-12	6.83E-12	6.83E-12
		HCP11_C25	LINE	816147.4	830751.2	816133.1	830776.6	11.5	5.8	1.7	1.58	0.6%	6.83E-12	6.83E-12	8.61E-10	8.61E-10	8.61E-10	8.61E-10	8.61E-10	3.40E-09	2.27E-09	1.59E-09	6.97E-11	1.30E-09	4.65E-11	6.83E-12	1.67E-09	2.61E-10	6.84E-11	6.19E-11	1.37E-11	0.00E+00	6.83E-12	6.83E-12	6.83E-12	6.83E-12
		HCP11_C26	LINE	816133.1	830776.6	816130.3	830796.4	11.5	6.3	1.7	1.58	0.6%	6.83E-12	6.83E-12	8.61E-10	8.61E-10	8.61E-10	8.61E-10	8.61E-10	3.40E-09	2.27E-09	1.59E-09	6.97E-11	1.30E-09	4.65E-11	6.83E-12	1.67E-09	2.61E-10	6.84E-11	6.19E-11	1.37E-11	0.00E+00	6.83E-12	6.83E-12	6.83E-12	6.83E-12
HCP11	Route D	HCP11_D01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	50.0%	4.45E-10	4.45E-10	5.61E-08	5.61E-08	5.61E-08	5.61E-08	5.61E-08	2.22E-07	1.48E-07	1.04E-07	4.54E-09	8.48E-08	3.03E-09	4.45E-10	1.09E-07	1.70E-08	4.45E-09	4.04E-09	8.90E-10	0.00E+00	4.45E-10	4.45E-10	4.45E-10	4.45E-10
		HCP11_D05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	50.0%	4.45E-10	4.45E-10	5.61E-08	5.61E-08	5.61E-08	5.61E-08	5.61E-08	2.22E-07	1.48E-07	1.04E-07	4.54E-09	8.48E-08	3.03E-09	4.45E-10	1.09E-07	1.70E-08	4.45E-09	4.04E-09	8.90E-10	0.00E+00	4.45E-10	4.45E-10	4.45E-10	4.45E-10
		HCP11_D06	LINE	816404.3	830588.5	816413.2	830591.8	9.5	7.3	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D07	LINE	816413.2	830591.8	816421.8	830597.3	9.5	7.3	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D08	LINE	816421.8	830597.3	816450.4	830625.5	9.5	7.3	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D09	LINE	816450.4	830625.5	816477	830644.6	9.5	7.2	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D10	LINE	816477	830644.6	816501	830655.4	9.5	7.2	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D11	LINE	816501	830655.4	816520.7	830660	9.5	7.3	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D12	LINE	816520.7	830660	816594	830666.5	9.5	7.7	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D13	LINE	816594	830666.5	816667.3	830673	9.5	7.9	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D14	LINE	816667.3	830673	816697.7	830675.1	9.5	8.6	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D15	LINE	816697.7	830675.1	816731.9	830681.6	9.5	9.8	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
		HCP11_D16	LINE	816731.9	830681.6	816803.5	830696.3	9.5	11.8	1.7	1.58	50.0%	7.02E-10	7.02E-10	8.86E-08	8.86E-08	8.86E-08	8.86E-08	8.86E-08	3.50E-07	2.34E-07	1.64E-07	7.17E-09	1.34E-07	4.78E-09	7.02E-10	1.72E-07	2.69E-08	7.03E-09	6.37E-09	1.40E-09	0.00E+00	7.02E-10	7.02E-10	7.02E-10	7.02E-10
HCP11	Route E	HCP11_E01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	47.7%	6.78E-10	6.78E-10	8.55E-08	8.55E-08	8.55E-08	8.55E-08	8.55E-08	3.38E-07	2.26E-07	1.58E-07	6.92E-09	1.29E-07	4.61E-09	6.78E-10	1.66E-07	2.59E-08	6.79E-09	6.15E-09	1.36E-09	0.00E+00	6.78E-10	6.78E-10	6.78E-10	6.78E-10
		HCP11_E02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	47.7%	6.78E-10	6.78E-10	8.55E-08	8.55E-08	8.55E-08	8.55E-08	8.55E-08	3.38E-07	2.26E-07	1.58E-07	6.92E-09	1.29E-07	4.61E-09	6.78E-10	1.66E-07	2.59E-08	6.79E-09	6.15E-09	1.36E-09	0.00E+00	6.78E-10	6.78E-10	6.78E-10	6.78E-10
		HCP11_E03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	47.7%	6.78E-10	6.78E-10	8.55E-08	8.55E-08	8.55E-08	8.55E-08	8.55E-08	3.38E-07	2.26E-07	1.58E-07	6.92E-09	1.29E-07	4.61E-09	6.78E-10	1.66E-07	2.59E-08	6.79E-09	6.15E-09	1.36E-09	0.00E+00	6.78E-10	6.78E-10	6.78E-10	6.78E-10
		HCP11_E04	LINE	816405.4	830562.9	816403.6	830570.8	15	7.4	1.7	1.58	47.7%	4.29E-10	4.29E-10	5.41E-08	5.41E-08	5.41E-08	5.41E-08	5.41E-08	2.14E-07	1.43E-07	1.00E-07	4.38E-09	8.19E-08	2.92E-09	4.29E-10	1.05E-07	1.64E-08	4.30E-09	3.89E-09	8.58E-10	0.00E+00	4.29E-10	4.29E-10	4.29E-10	4.29E-10
		HCP11_E05	LINE	816403.6	830570.8	816404.3	830588.5	15	7.3	1.7	1.58	47.7%	4.29E-10	4.29E-10	5.41E-08	5.41E-08	5.41E-08	5.41E-08	5.41E-08	2.14E-07	1.43E-07	1.00E-07	4.38E-09	8.19E-08	2.92E-09	4.29E-10	1.05E-07	1.64E-08	4.30E-09	3.89E-09	8.58E-10	0.00E+00	4.29E-10	4.29E-10	4.29E-10	4.29E-10
		HCP11_E06	LINE	816404.3	830588.5	816388.5	830593.5	10.5	7.2	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E07	LINE	816388.5	830593.5	816370.1	830596.1	10.5	7.1	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E08	LINE	816370.1	830596.1	816347.1	830596.3	10.5	7	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E09	LINE	816347.1	830596.3	816328.7	830593.2	10.5	7	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E10	LINE	816328.7	830593.2	816313.7	830588.1	10.5	7	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E11	LINE	816313.7	830588.1	816292.8	830576.5	10.5	7	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E12	LINE	816292.8	830576.5	816279.7	830593.9	10.5	6.4	1.7	1.58	47.7%	6.13E-10	6.13E-10	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08	3.06E-07	2.04E-07	1.43E-07	6.26E-09	1.17E-07	4.17E-09	6.13E-10	1.50E-07	2.34E-08	6.14E-09	5.56E-09	1.23E-09	0.00E+00	6.13E-10	6.13E-10	6.13E-10	6.13E-10
		HCP11_E13	LINE	816279.7	830593.9	816271.9	830597.8	15	6.3	1.7	1.58	47.7%	4.29E-10	4.29E-10	5.41E-08	5.41E-08	5.41E-08	5.41E-08	5.41E-08	2.14E-07	1.43E-07	1.00E-07	4.38E-09	8.19E-08	2.92E-09	4.29E-10	1.05E-07	1.64E-08	4.30E-09	3.89E-09	8.58E-10	0.00E+00	4.29E-10	4.29E-10	4.29E-10	4.29E-10
		HCP11_E14	LINE	816271.9	830597.8	816260.2	830594.6	15	6.2	1.7	1.58	47.7%	4.29E-10	4.29E-10	5.41E-08	5.41E-08	5.41E-08	5.41E-08	5.41E-08	2.14E-07	1.43E-07	1.00E-07	4.38E-09	8.19E-08	2.92E-09	4.29E-10	1.05E-07	1.64E-08	4.30E-09	3.89E-09	8.58E-10	0.00E+00	4.29E-10	4.29E-10	4.29E-10	4.29E-10
		HCP11_E15	LINE	816260.2	830594.6	816253.5	830592.8	13	6.2	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
		HCP11_E16	LINE	816253.5	830592.8	816246.4	830525.2	13	7.4	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
		HCP11_E17	LINE	816246.4	830525.2	816239.2	830457.5	13	8.4	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
		HCP11_E18	LINE	816239.2	830457.5	816239.4	830400.9	13	9	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
		HCP11_E19	LINE	816239.4	830400.9	816239.5	830341.5	13	9.4	1.7	1.58	47.7%	4.95E-10	4.95E-10	6.25E-08	6.25E-08	6.25E-08	6.25E-08	6.25E-08	2.47E-07	1.65E-07	1.16E-07	5.06E-09	9.45E-08	3.37E-09	4.95E-10	1.21E-07	1.89E-08	4.96E-09	4.49E-09	9.90E-10	0.00E+00	4.95E-10	4.95E-10	4.95E-10	4.95E-10
HCP11	Access road	HCP11_AC01	LINE	816487.8	830538.4	816448.8	830551	9.5	7.9	1.7	1.58	100%	8.45E-08	8.47E-08	5.13E-07	5.13E-07	5.13E-07	5.12E-07	5.13E-07	1.89E-06	1.30E-06	9.80E-07	1.00E-07	9.31E-07	1.56E-07	8.51E-08	1.41E-06	2.31E-07	1.83E-07	3.67E-07	1.47E-07	0.00E+00	8.44E-08	8.44E-08	8.41E-08	8.42E-08
		HCP11_AC02	LINE	816448.8	830551	816430.3	830555.7	9.5	7.7	1.7	1.58	100%	8.45E-08	8.47E-08	5.13E-07	5.13E-07	5.13E-07	5.12E-07	5.13E-07	1.89E-06	1.30E-06	9.80E-07	1.00E-07	9.31E-07	1.56E-07	8.51E-08	1.41E-06	2.31E-07	1.83E-07	3.67E-07	1.47E-07	0.00E+00	8.44E-08	8.44E-08	8.41E-08	8.42E-08
		HCP11_AC03	LINE	816430.3	830555.7	816405.4	830562.9	9.5	7.6	1.7	1.58	100%	8.45E-08	8.47E-08	5.13E-07	5.13E-07	5.13E-07	5.12E-07	5.13E-07	1.89E-06	1.30E-06	9.80E-07	1.00E-07	9.31E-07	1.56E-07	8.51E-08	1.41E-06	2.31E-07	1.83E-07	3.67E-07	1.47E-07	0.00E+00	8.44E-08	8.44E-08	8.41E-08	8.42E-08

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP11	**Carpark near Fu Hang Road**	HCP11_01	AREAPOLY	816550.1	830599.7	10.0	3.1	6682.6	816550.1 830599.7 816553.1 830603.0 816565.8 830600.0 816574.2 830595.4 816589.6 830589.6 816595.9 830578.8 816606.4 830571.4 816605.5 830552.6 816601.5 830542.8 816600.0 830521.1 816583.8 830502.5 816517.7 830522.4 816486.7 830534.6 816493.7 830558.0 816532.5 830542.8 816541.6 830561.6 816531.2 830567.8 816540.5 830592.0 816545.5 830590.3 816550.1 830599.7	20	2.84	1.95E-08	1.95E-08	1.23E-07	1.23E-07	1.23E-07	1.22E-07	1.23E-07	4.54E-07	3.11E-07	2.34E-07	2.35E-08	2.21E-07	3.62E-08	1.96E-08	3.33E-07	5.46E-08	4.25E-08	8.47E-08	3.39E-08	0.00E+00	1.94E-08	1.95E-08	1.94E-08	1.94E-08

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

PTI05 - Bus

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	320	46%	Bypass route	0
Starting on Public Road	380	54%	Running inside PTI/ Carpark [1]	650
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: FBDD 15

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1					8														
1	2																			
2	3																			
3	4																			
4	5																			
5	6					12											2			
6	7					20											2			
7	8					24											3			
8	9					24														
9	10					24														
10	11					20														
11	12					12														
12	13					12														
13	14					12														
14	15					12														
15	16					12														
16	17					20														
17	18					24														
18	19					24														
19	20					24														
20	21					20														
21	22					12														
22	23					12														
23	0					12														

Day: 1

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	1.10E-04	4.82E-03	7.95E-04	0.00E+00	9.45E-04	0.00E+00	4.51E-05	1.97E-03	3.25E-04	0.00E+00	3.86E-04
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	1.23E-03	8.45E-03	2.81E-03	0.00E+00	3.34E-03	0.00E+00	5.03E-04	3.45E-03	1.15E-03	0.00E+00	1.36E-03
7	0.00E+00	1.34E-03	1.33E-02	3.60E-03	0.00E+00	4.28E-03	0.00E+00	5.48E-04	5.43E-03	1.47E-03	0.00E+00	1.75E-03
8	0.00E+00	1.93E-03	1.63E-02	4.81E-03	0.00E+00	5.71E-03	0.00E+00	7.88E-04	6.65E-03	1.96E-03	0.00E+00	2.33E-03
9	0.00E+00	3.31E-04	1.45E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.93E-03	9.75E-04	0.00E+00	1.16E-03
10	0.00E+00	3.31E-04	1.45E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.93E-03	9.75E-04	0.00E+00	1.16E-03
11	0.00E+00	2.76E-04	1.21E-02	1.99E-03	0.00E+00	2.36E-03	0.00E+00	1.13E-04	4.94E-03	8.12E-04	0.00E+00	9.65E-04
12	0.00E+00	1.66E-04	7.30E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.98E-03	4.87E-04	0.00E+00	5.79E-04
13	0.00E+00	1.66E-04	7.27E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.97E-03	4.87E-04	0.00E+00	5.79E-04
14	0.00E+00	1.66E-04	7.29E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.98E-03	4.87E-04	0.00E+00	5.79E-04
15	0.00E+00	1.66E-04	7.28E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.97E-03	4.87E-04	0.00E+00	5.79E-04
16	0.00E+00	1.66E-04	7.27E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.97E-03	4.87E-04	0.00E+00	5.79E-04
17	0.00E+00	2.76E-04	1.21E-02	1.99E-03	0.00E+00	2.36E-03	0.00E+00	1.13E-04	4.94E-03	8.12E-04	0.00E+00	9.65E-04
18	0.00E+00	3.31E-04	1.45E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.93E-03	9.75E-04	0.00E+00	1.16E-03
19	0.00E+00	3.31E-04	1.45E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.91E-03	9.75E-04	0.00E+00	1.16E-03
20	0.00E+00	3.31E-04	1.45E-02	2.39E-03	0.00E+00	2.83E-03	0.00E+00	1.35E-04	5.91E-03	9.75E-04	0.00E+00	1.16E-03
21	0.00E+00	2.76E-04	1.20E-02	1.99E-03	0.00E+00	2.36E-03	0.00E+00	1.13E-04	4.92E-03	8.12E-04	0.00E+00	9.65E-04
22	0.00E+00	1.66E-04	7.23E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.95E-03	4.87E-04	0.00E+00	5.79E-04
23	0.00E+00	1.66E-04	7.20E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.94E-03	4.87E-04	0.00E+00	5.79E-04
24	0.00E+00	1.66E-04	7.21E-03	1.19E-03	0.00E+00	1.42E-03	0.00E+00	6.77E-05	2.94E-03	4.87E-04	0.00E+00	5.79E-04

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source								Area/Polyarea/Line																				
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																			
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	**Route A**	PTI05_A01	LINE	816885	831287.9	816890.2	831279	9.5	12.8	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A02	LINE	816890.2	831279	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A05	LINE	816876.7	831159.5	816842	831141	9.5	13.5	1.7	1.58	100%	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	1.19E-06	1.58E-06	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	3.93E-07	6.55E-07	7.86E-07	7.86E-07	7.86E-07	6.55E-07	3.93E-07	3.93E-07	3.93E-07
		PTI05_A06	LINE	816842	831141	816817.1	831171.4	12	12.9	1.7	1.58	100%	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	9.40E-07	1.25E-06	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	5.19E-07	6.22E-07	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07
		PTI05_A07	LINE	816817.1	831171.4	816750.7	831216.9	12	12	1.7	1.58	100%	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	9.40E-07	1.25E-06	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	5.19E-07	6.22E-07	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07
		PTI05_A08	LINE	816750.7	831216.9	816690.2	831278.3	12	11.2	1.7	1.58	100%	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-07	9.40E-07	1.25E-06	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	3.11E-07	5.19E-07	6.22E-07	6.22E-07	6.22E-07	5.19E-07	3.11E-07	3.11E-07	3.11E-07

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

				Area Source							Area Polygon Source		Hourly Emission Rate (g/s or g/s/sq. m)																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	3.44E-04	4.34E-04	3.25E-04	3.25E-04	2.70E-04	1.63E-04	1.63E-04	1.63E-04	1.63E-04	1.63E-04	2.70E-04	3.25E-04	3.24E-04	3.23E-04	2.69E-04	1.62E-04	1.61E-04	1.61E-04
		PTI05_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	3.44E-04	4.34E-04	3.25E-04	3.25E-04	2.70E-04	1.63E-04	1.63E-04	1.63E-04	1.63E-04	1.63E-04	2.70E-04	3.25E-04	3.24E-04	3.23E-04	2.69E-04	1.62E-04	1.61E-04	1.61E-04

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

				Line Source						Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	Route A	PTI05_A01	LINE	816885	831287.9	816890.2	831279	9.5	12.8	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A02	LINE	816890.2	831279	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A05	LINE	816876.7	831159.5	816842	831141	9.5	13.5	1.7	1.58	100%	1.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	4.85E-07	6.47E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	1.61E-07	2.68E-07	3.21E-07	3.21E-07	3.21E-07	2.68E-07	1.61E-07	1.61E-07	1.61E-07
		PTI05_A06	LINE	816842	831141	816817.1	831171.4	12	12.9	1.7	1.58	100%	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	3.84E-07	5.12E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	2.12E-07	2.54E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07
		PTI05_A07	LINE	816817.1	831171.4	816750.7	831216.9	12	12	1.7	1.58	100%	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	3.84E-07	5.12E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	2.12E-07	2.54E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07
		PTI05_A08	LINE	816750.7	831216.9	816690.2	831278.3	12	11.2	1.7	1.58	100%	8.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	3.84E-07	5.12E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	2.12E-07	2.54E-07	2.54E-07	2.54E-07	2.12E-07	1.27E-07	1.27E-07	1.27E-07

Note:

1.According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.

2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

								Area Source			Area Polygon Source																								
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_Bus	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.40E-04	1.77E-04	1.33E-04	1.33E-04	1.10E-04	6.66E-05	6.64E-05	6.65E-05	6.65E-05	6.64E-05	1.10E-04	1.33E-04	1.32E-04	1.32E-04	1.10E-04	6.61E-05	6.58E-05	6.59E-05
		PTI05_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-05	1.40E-04	1.77E-04	1.33E-04	1.33E-04	1.10E-04	6.66E-05	6.64E-05	6.65E-05	6.65E-05	6.64E-05	1.10E-04	1.33E-04	1.32E-04	1.32E-04	1.10E-04	6.61E-05	6.58E-05	6.59E-05

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI05 - PLB - Diesel

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	55	8%	Bypass route	0
Starting on Public Road	645	92%	Running inside PTI/ Carpark [1]	110
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: PLB-D 22

Day: 1

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	7	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	8	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
8	9	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	15	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	16	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	17	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	19	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	20	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	21	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	22	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	23	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	2.56E-05	4.93E-05	6.75E-06	0.00E+00	7.91E-05	0.00E+00	9.96E-06	1.92E-05	2.62E-06	0.00E+00	3.07E-05
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	6.67E-05	9.86E-05	4.35E-05	0.00E+00	5.10E-04	0.00E+00	2.59E-05	3.84E-05	1.69E-05	0.00E+00	1.98E-04
7	0.00E+00	9.23E-05	1.48E-04	5.02E-05	0.00E+00	5.89E-04	0.00E+00	3.59E-05	5.76E-05	1.95E-05	0.00E+00	2.29E-04
8	0.00E+00	1.09E-04	1.81E-04	5.47E-05	0.00E+00	6.41E-04	0.00E+00	4.25E-05	7.03E-05	2.13E-05	0.00E+00	2.49E-04
9	0.00E+00	8.53E-05	1.65E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	6.41E-05	8.74E-06	0.00E+00	1.02E-04
10	0.00E+00	8.53E-05	1.65E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	6.41E-05	8.74E-06	0.00E+00	1.02E-04
11	0.00E+00	6.83E-05	1.32E-04	1.80E-05	0.00E+00	2.11E-04	0.00E+00	2.65E-05	5.13E-05	6.99E-06	0.00E+00	8.20E-05
12	0.00E+00	4.27E-05	8.29E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.22E-05	4.37E-06	0.00E+00	5.12E-05
13	0.00E+00	4.27E-05	8.25E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.21E-05	4.37E-06	0.00E+00	5.12E-05
14	0.00E+00	4.27E-05	8.27E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.22E-05	4.37E-06	0.00E+00	5.12E-05
15	0.00E+00	4.27E-05	8.26E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.21E-05	4.37E-06	0.00E+00	5.12E-05
16	0.00E+00	4.27E-05	8.26E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.21E-05	4.37E-06	0.00E+00	5.12E-05
17	0.00E+00	6.83E-05	1.32E-04	1.80E-05	0.00E+00	2.11E-04	0.00E+00	2.65E-05	5.13E-05	6.99E-06	0.00E+00	8.20E-05
18	0.00E+00	8.53E-05	1.65E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	6.41E-05	8.74E-06	0.00E+00	1.02E-04
19	0.00E+00	8.53E-05	1.64E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	6.39E-05	8.74E-06	0.00E+00	1.02E-04
20	0.00E+00	8.53E-05	1.64E-04	2.25E-05	0.00E+00	2.64E-04	0.00E+00	3.32E-05	6.38E-05	8.74E-06	0.00E+00	1.02E-04
21	0.00E+00	6.83E-05	1.31E-04	1.80E-05	0.00E+00	2.11E-04	0.00E+00	2.65E-05	5.10E-05	6.99E-06	0.00E+00	8.20E-05
22	0.00E+00	4.27E-05	8.21E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.19E-05	4.37E-06	0.00E+00	5.12E-05
23	0.00E+00	4.27E-05	8.17E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.18E-05	4.37E-06	0.00E+00	5.12E-05
24	0.00E+00	4.27E-05	8.18E-05	1.12E-05	0.00E+00	1.32E-04	0.00E+00	1.66E-05	3.18E-05	4.37E-06	0.00E+00	5.12E-05

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

Line Source | Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Route A**	PTI05_D_A01	LINE	816885.0	831287.9	816890.2	831279.0	9.5	12.8	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A02	LINE	816890.2	831279.0	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A05	LINE	816876.7	831159.5	816842.0	831141.0	9.5	13.5	1.7	1.58	100%	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-08	9.60E-08	1.05E-07	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	2.15E-08	3.44E-08	4.30E-08	4.30E-08	4.30E-08	3.44E-08	2.15E-08	2.15E-08	2.15E-08
		PTI05_D_A06	LINE	816842.0	831141.0	816817.1	831171.4	11	12.9	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A07	LINE	816817.1	831171.4	816750.7	831216.9	11	12	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A08	LINE	816750.7	831216.9	816690.2	831278.3	11	11.2	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A09	LINE	816690.2	831278.3	816667.6	831307.6	11	12	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A10	LINE	816667.6	831307.6	816647.5	831329.9	11	11.2	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A11	LINE	816647.5	831329.9	816628.1	831347.7	11	10	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A12	LINE	816628.1	831347.7	816601.0	831369.9	11	10	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A13	LINE	816601.0	831369.9	816575.6	831393.0	11	10	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A14	LINE	816575.6	831393.0	816564.3	831405.2	11	10	1.7	1.58	100%	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-08	8.29E-08	9.03E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	2.97E-08	3.71E-08	3.71E-08	3.71E-08	2.97E-08	1.86E-08	1.86E-08	1.86E-08
		PTI05_D_A15	LINE	816564.3	831405.2	816544.8	831430.4	13	10	1.7	1.58	100%	9.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-08	7.01E-08	7.64E-08	3.14E-08	3.14E-08	2.51E-08	1.57E-08	1.57E-08	1.57E-08	1.57E-08	1.57E-08	2.51E-08	3.14E-08	3.14E-08	3.14E-08	2.51E-08	1.57E-08	1.57E-08	1.57E-08
		PTI05_D_A16	LINE	816544.8	831430.4	816509.1	831388.2	17	9.5	1.7	1.58	100%	7.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-08	5.36E-08	5.84E-08	2.40E-08	2.40E-08	1.92E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.92E-08	2.40E-08	2.40E-08	2.40E-08	1.92E-08	1.20E-08	1.20E-08	1.20E-08

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

								Area Source			Area Polygon Source		Hourly Emission Rate (g/s or g/s/sq. m)																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]																								
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	Planned PTI at Proposed Public Housing at Nai Wai	PTI05_D_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-06	5.47E-06	6.49E-06	5.14E-06	5.13E-06	4.11E-06	2.58E-06	2.57E-06	2.57E-06	2.57E-06	2.57E-06	4.11E-06	5.13E-06	5.12E-06	5.12E-06	4.09E-06	2.56E-06	2.55E-06	2.56E-06
		PTI05_D_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-06	5.47E-06	6.49E-06	5.14E-06	5.13E-06	4.11E-06	2.58E-06	2.57E-06	2.57E-06	2.57E-06	2.57E-06	4.11E-06	5.13E-06	5.12E-06	5.12E-06	4.09E-06	2.56E-06	2.55E-06	2.56E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

				Line Source								Area/Polyarea/Line																					
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Route A**	PTI05_D_A01	LINE	816885.0	831287.9	816890.2	831279.0	9.5	12.8	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A02	LINE	816890.2	831279.0	816893.9	831217.6	9.5	12.8	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A03	LINE	816893.9	831217.6	816889.3	831177.9	9.5	12.4	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A04	LINE	816889.3	831177.9	816876.7	831159.5	9.5	12.3	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A05	LINE	816876.7	831159.5	816842.0	831141.0	9.5	13.5	1.7	1.58	100%	5.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	3.73E-08	4.06E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09	8.35E-09	8.35E-09	1.34E-08	1.67E-08	1.67E-08	1.67E-08	1.34E-08	8.35E-09	8.35E-09	8.35E-09
		PTI05_D_A06	LINE	816842.0	831141.0	816817.1	831171.4	11	12.9	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A07	LINE	816817.1	831171.4	816750.7	831216.9	11	12	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A08	LINE	816750.7	831216.9	816690.2	831278.3	11	11.2	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A09	LINE	816690.2	831278.3	816667.6	831307.6	11	12	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A10	LINE	816667.6	831307.6	816647.5	831329.9	11	11.2	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A11	LINE	816647.5	831329.9	816628.1	831347.7	11	10	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A12	LINE	816628.1	831347.7	816601.0	831369.9	11	10	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A13	LINE	816601.0	831369.9	816575.6	831393.0	11	10	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A14	LINE	816575.6	831393.0	816564.3	831405.2	11	10	1.7	1.58	100%	4.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.22E-08	3.51E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09	7.21E-09	7.21E-09	1.15E-08	1.44E-08	1.44E-08	1.44E-08	1.15E-08	7.21E-09	7.21E-09	7.21E-09
		PTI05_D_A15	LINE	816564.3	831405.2	816544.8	831430.4	13	10	1.7	1.58	100%	3.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-08	2.73E-08	2.97E-08	1.22E-08	1.22E-08	9.76E-09	6.10E-09	6.10E-09	6.10E-09	6.10E-09	6.10E-09	9.76E-09	1.22E-08	1.22E-08	1.22E-08	9.76E-09	6.10E-09	6.10E-09	6.10E-09
		PTI05_D_A16	LINE	816544.8	831430.4	816509.1	831388.2	17	9.5	1.7	1.58	100%	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-08	2.08E-08	2.27E-08	9.33E-09	9.33E-09	7.46E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09	4.67E-09	7.46E-09	9.33E-09	9.33E-09	9.33E-09	7.47E-09	4.67E-09	4.67E-09	4.67E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

								Area Source			Area Polygon Source		Hourly Emission Rate (g/s or g/s/sq. m)																							
PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Source Area	Vertical Dim. (Sz) [3]																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m2)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI05_PLBD	**Planned PTI at Proposed Public Housing at Nai Wai**	PTI05_D_IO01	AREA	816881.6	831305.9	12.6	3.0	26.9	1.0	82.3	26.9	2.80	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.13E-06	2.53E-06	2.00E-06	2.00E-06	1.60E-06	1.00E-06	9.99E-07	1.00E-06	1.00E-06	9.99E-07	1.60E-06	2.00E-06	1.99E-06	1.99E-06	1.59E-06	9.95E-07	9.93E-07	9.94E-07
		PTI05_D_IO02	AREA	816886.7	831228.7	12.7	3.0	1.0	26.2	0.3	26.2	2.80	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	2.13E-06	2.53E-06	2.00E-06	2.00E-06	1.60E-06	1.00E-06	9.99E-07	1.00E-06	1.00E-06	9.99E-07	1.60E-06	2.00E-06	1.99E-06	1.99E-06	1.59E-06	9.95E-07	9.93E-07	9.94E-07

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI06 - Bus

Routing (m)				
Starting inside PTI/ Carpark [1]	310	44%	Bypass route	0
Starting on Public Road	390	56%	Running inside PTI/ Carpark [1]	600
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

INDEX

Vehicle Type: FBDD 15

Day: 1

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1					6														
1	2																			
2	3																			
3	4																			
4	5																			
5	6					9											1			
6	7					15											1			
7	8					18											2			
8	9					18														
9	10					18														
10	11					15														
11	12					9														
12	13					9														
13	14					9														
14	15					9														
15	16					9														
16	17					15														
17	18					18														
18	19					18														
19	20					18														
20	21					15														
21	22					9														
22	23					9														
23	0					9														

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	8.28E-05	3.34E-03	5.78E-04	0.00E+00	7.27E-04	0.00E+00	3.38E-05	1.36E-03	2.36E-04	0.00E+00	2.97E-04
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	6.57E-04	5.57E-03	1.65E-03	0.00E+00	2.08E-03	0.00E+00	2.68E-04	2.28E-03	6.74E-04	0.00E+00	8.48E-04
7	0.00E+00	7.40E-04	8.93E-03	2.23E-03	0.00E+00	2.80E-03	0.00E+00	3.02E-04	3.65E-03	9.10E-04	0.00E+00	1.14E-03
8	0.00E+00	1.31E-03	1.11E-02	3.30E-03	0.00E+00	4.15E-03	0.00E+00	5.37E-04	4.55E-03	1.35E-03	0.00E+00	1.70E-03
9	0.00E+00	2.49E-04	1.01E-02	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.01E-04	4.11E-03	7.08E-04	0.00E+00	8.91E-04
10	0.00E+00	2.49E-04	1.01E-02	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.01E-04	4.10E-03	7.08E-04	0.00E+00	8.91E-04
11	0.00E+00	2.07E-04	8.38E-03	1.44E-03	0.00E+00	1.82E-03	0.00E+00	8.46E-05	3.42E-03	5.90E-04	0.00E+00	7.43E-04
12	0.00E+00	1.24E-04	5.06E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	2.07E-03	3.54E-04	0.00E+00	4.46E-04
13	0.00E+00	1.24E-04	5.03E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	2.06E-03	3.54E-04	0.00E+00	4.46E-04
14	0.00E+00	1.24E-04	5.05E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	2.06E-03	3.54E-04	0.00E+00	4.46E-04
15	0.00E+00	1.24E-04	5.04E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.07E-05	2.06E-03	3.54E-04	0.00E+00	4.46E-04
16	0.00E+00	1.24E-04	5.04E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.08E-05	2.06E-03	3.54E-04	0.00E+00	4.46E-04
17	0.00E+00	2.07E-04	8.38E-03	1.44E-03	0.00E+00	1.82E-03	0.00E+00	8.46E-05	3.42E-03	5.90E-04	0.00E+00	7.43E-04
18	0.00E+00	2.49E-04	1.01E-02	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.01E-04	4.10E-03	7.08E-04	0.00E+00	8.91E-04
19	0.00E+00	2.49E-04	1.00E-02	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.01E-04	4.09E-03	7.08E-04	0.00E+00	8.91E-04
20	0.00E+00	2.48E-04	1.00E-02	1.73E-03	0.00E+00	2.18E-03	0.00E+00	1.02E-04	4.09E-03	7.08E-04	0.00E+00	8.91E-04
21	0.00E+00	2.07E-04	8.33E-03	1.44E-03	0.00E+00	1.82E-03	0.00E+00	8.46E-05	3.40E-03	5.90E-04	0.00E+00	7.43E-04
22	0.00E+00	1.24E-04	5.00E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.08E-05	2.04E-03	3.54E-04	0.00E+00	4.46E-04
23	0.00E+00	1.24E-04	4.98E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.08E-05	2.04E-03	3.54E-04	0.00E+00	4.46E-04
24	0.00E+00	1.24E-04	4.99E-03	8.67E-04	0.00E+00	1.09E-03	0.00E+00	5.08E-05	2.04E-03	3.54E-04	0.00E+00	4.46E-04

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source						Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																				
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Route A**	PTI06_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	100%	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	7.52E-07	1.11E-06	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	4.88E-07	5.86E-07	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07
		PTI06_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	100%	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	7.52E-07	1.11E-06	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	4.88E-07	5.86E-07	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07
		PTI06_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	100%	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	7.52E-07	1.11E-06	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	4.88E-07	5.86E-07	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07
		PTI06_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	100%	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-07	7.52E-07	1.11E-06	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	2.93E-07	4.88E-07	5.86E-07	5.86E-07	5.86E-07	4.88E-07	2.93E-07	2.93E-07	2.93E-07
		PTI06_A05	LINE	817228.4	831625.8	817188.6	831653.4	14	15.4	1.7	1.58	100%	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	5.10E-07	7.56E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	3.31E-07	3.97E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07
		PTI06_A06	LINE	817188.6	831653.4	817137.9	831700.9	14	15	1.7	1.58	100%	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	5.10E-07	7.56E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	3.31E-07	3.97E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07
		PTI06_A07	LINE	817137.9	831700.9	817077.6	831773.6	14	14.4	1.7	1.58	100%	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	5.10E-07	7.56E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	3.31E-07	3.97E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07
		PTI06_A08	LINE	817077.6	831773.6	817041.8	831806.8	14	14	1.7	1.58	100%	1.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-07	5.10E-07	7.56E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	3.31E-07	3.97E-07	3.97E-07	3.97E-07	3.31E-07	1.99E-07	1.99E-07	1.99E-07

Note:

1.According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.

2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.18E-04	4.21E-04	3.22E-04	3.22E-04	2.68E-04	1.62E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	2.68E-04	3.22E-04	3.21E-04	3.21E-04	2.67E-04	1.60E-04	1.60E-04	1.60E-04
		PTI06_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	3.18E-04	4.21E-04	3.22E-04	3.22E-04	2.68E-04	1.62E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	2.68E-04	3.22E-04	3.21E-04	3.21E-04	2.67E-04	1.60E-04	1.60E-04	1.60E-04

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing
				Line Source							Area/Polyarea/Line	
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%
PTI06_Bus	Route A	PTI06_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	100%
		PTI06_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	100%
		PTI06_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	100%
		PTI06_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	100%
		PTI06_A05	LINE	817228.4	831625.8	817188.6	831653.4	14	15.4	1.7	1.58	100%
		PTI06_A06	LINE	817188.6	831653.4	817137.9	831700.9	14	15	1.7	1.58	100%
		PTI06_A07	LINE	817137.9	831700.9	817077.6	831773.6	14	14.4	1.7	1.58	100%
		PTI06_A08	LINE	817077.6	831773.6	817041.8	831806.8	14	14	1.7	1.58	100%

Source ID	Hourly Emission Rate (g/s or g/s/sq. m)																							
	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_A01	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.07E-07	4.55E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.99E-07	2.39E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07
PTI06_A02	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.07E-07	4.55E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.99E-07	2.39E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07
PTI06_A03	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.07E-07	4.55E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.99E-07	2.39E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07
PTI06_A04	7.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	3.07E-07	4.55E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.20E-07	1.99E-07	2.39E-07	2.39E-07	2.39E-07	1.99E-07	1.20E-07	1.20E-07	1.20E-07
PTI06_A05	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.08E-07	3.09E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08	8.12E-08	8.12E-08	1.35E-07	1.62E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08
PTI06_A06	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.08E-07	3.09E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08	8.12E-08	8.12E-08	1.35E-07	1.62E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08
PTI06_A07	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.08E-07	3.09E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08	8.12E-08	8.12E-08	1.35E-07	1.62E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08
PTI06_A08	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-07	2.08E-07	3.09E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08	8.12E-08	8.12E-08	1.35E-07	1.62E-07	1.62E-07	1.62E-07	1.35E-07	8.12E-08	8.12E-08	8.12E-08

Note:
1.According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_Bus	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	1.30E-04	1.72E-04	1.31E-04	1.31E-04	1.10E-04	6.60E-05	6.58E-05	6.59E-05	6.59E-05	6.58E-05	1.10E-04	1.31E-04	1.31E-04	1.31E-04	1.09E-04	6.55E-05	6.53E-05	6.53E-05
		PTI06_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-05	1.30E-04	1.72E-04	1.31E-04	1.31E-04	1.10E-04	6.60E-05	6.58E-05	6.59E-05	6.59E-05	6.58E-05	1.10E-04	1.31E-04	1.31E-04	1.31E-04	1.09E-04	6.55E-05	6.53E-05	6.53E-05

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

PTI06 - PLB - Diesel

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	65	9%	Bypass route	0
Starting on Public Road	635	91%	Running inside PTI/ Carpark [1]	130
Access Road Lane - Arrival	0	0%		
Access Road Lane - Departure	0			
Total Distance	700			

Note: 1. The routes within the PTI is based on tentative layout plan provided by CEDD.

Idling time (min) [1]	
Bypass	0.5
Terminating	2
Max Adjustment	1

Note: 1. Idling time for planned PTI is derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Vehicle Type: PLB-D 22

Hour		No. of Trip [1][2]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	6	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
6	7	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	8	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
8	9	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	11	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	12	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	13	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	14	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	15	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	16	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	17	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	18	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	19	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	20	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	21	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	22	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	23	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Day: 1

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	2.56E-05	5.82E-05	7.97E-06	0.00E+00	7.79E-05	0.00E+00	9.96E-06	2.27E-05	3.10E-06	0.00E+00	3.03E-05
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	6.67E-05	1.17E-04	5.14E-05	0.00E+00	5.02E-04	0.00E+00	2.59E-05	4.53E-05	2.00E-05	0.00E+00	1.95E-04
7	0.00E+00	9.23E-05	1.75E-04	5.93E-05	0.00E+00	5.80E-04	0.00E+00	3.59E-05	6.81E-05	2.31E-05	0.00E+00	2.25E-04
8	0.00E+00	1.33E-04	2.33E-04	1.03E-04	0.00E+00	1.00E-03	0.00E+00	5.18E-05	9.07E-05	3.99E-05	0.00E+00	3.90E-04
9	0.00E+00	8.53E-05	1.95E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.58E-05	1.03E-05	0.00E+00	1.01E-04
10	0.00E+00	8.53E-05	1.95E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.57E-05	1.03E-05	0.00E+00	1.01E-04
11	0.00E+00	6.83E-05	1.56E-04	2.13E-05	0.00E+00	2.08E-04	0.00E+00	2.65E-05	6.06E-05	8.26E-06	0.00E+00	8.07E-05
12	0.00E+00	4.27E-05	9.80E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.81E-05	5.16E-06	0.00E+00	5.04E-05
13	0.00E+00	4.27E-05	9.75E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.79E-05	5.16E-06	0.00E+00	5.04E-05
14	0.00E+00	4.27E-05	9.78E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.80E-05	5.16E-06	0.00E+00	5.04E-05
15	0.00E+00	4.27E-05	9.77E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.80E-05	5.16E-06	0.00E+00	5.04E-05
16	0.00E+00	4.27E-05	9.76E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.79E-05	5.16E-06	0.00E+00	5.04E-05
17	0.00E+00	6.83E-05	1.56E-04	2.13E-05	0.00E+00	2.08E-04	0.00E+00	2.65E-05	6.06E-05	8.26E-06	0.00E+00	8.07E-05
18	0.00E+00	8.53E-05	1.95E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.57E-05	1.03E-05	0.00E+00	1.01E-04
19	0.00E+00	8.53E-05	1.94E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.55E-05	1.03E-05	0.00E+00	1.01E-04
20	0.00E+00	8.53E-05	1.94E-04	2.66E-05	0.00E+00	2.60E-04	0.00E+00	3.32E-05	7.54E-05	1.03E-05	0.00E+00	1.01E-04
21	0.00E+00	6.83E-05	1.55E-04	2.13E-05	0.00E+00	2.08E-04	0.00E+00	2.65E-05	6.03E-05	8.26E-06	0.00E+00	8.07E-05
22	0.00E+00	4.27E-05	9.70E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.77E-05	5.16E-06	0.00E+00	5.04E-05
23	0.00E+00	4.27E-05	9.66E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.76E-05	5.16E-06	0.00E+00	5.04E-05
24	0.00E+00	4.27E-05	9.67E-05	1.33E-05	0.00E+00	1.30E-04	0.00E+00	1.66E-05	3.76E-05	5.16E-06	0.00E+00	5.04E-05

Note:
1. No. of trips are derived based on bus services for the planned PTI provided by CEDD's Study on Site Formation and Infrastructure Works for proposed Public Housing Developments at Ping Shan South, Yuen Long, Lam Tei North and Nai Wai, Tuen Mun.
2. Soaking times for planned PTI are derived based on site observation on some existing PTIs in New Territories West covering Hung Shui Kiu and Tuen Mun.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source						Area/Polyarea/Line																								
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	Route A	PTI06_D_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	20%	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.92E-08	3.33E-08	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	6.88E-09	8.60E-09	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09
		PTI06_D_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	20%	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.92E-08	3.33E-08	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	6.88E-09	8.60E-09	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09
		PTI06_D_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	20%	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.92E-08	3.33E-08	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	6.88E-09	8.60E-09	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09
		PTI06_D_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	20%	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-08	1.92E-08	3.33E-08	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	6.88E-09	8.60E-09	8.60E-09	8.60E-09	6.88E-09	4.30E-09	4.30E-09	4.30E-09
		PTI06_D_A05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	20%	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-08	1.46E-08	2.53E-08	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	3.27E-09	5.23E-09	6.54E-09	6.54E-09	6.54E-09	5.23E-09	3.27E-09	3.27E-09	3.27E-09
		PTI06_D_A11	LINE	816947.5	831889.3	816906.5	831847.2	13	12.5	1.7	1.58	20%	1.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.40E-08	2.43E-08	6.29E-09	6.29E-09	5.03E-09	3.14E-09	3.14E-09	3.14E-09	3.14E-09	3.14E-09	5.03E-09	6.29E-09	6.29E-09	6.29E-09	5.03E-09	3.14E-09	3.14E-09	3.14E-09
		PTI06_D_A12	LINE	816906.5	831847.2	816867.0	831803.3	13	12.4	1.7	1.58	20%	1.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-08	1.40E-08	2.43E-08	6.29E-09	6.29E-09	5.03E-09	3.14E-09	3.14E-09	3.14E-09	3.14E-09	3.14E-09	5.03E-09	6.29E-09	6.29E-09	6.29E-09	5.03E-09	3.14E-09	3.14E-09	3.14E-09
PTI06_PLBD	Route B	PTI06_D_B01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	80%	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	7.68E-08	1.33E-07	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	2.75E-08	3.44E-08	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08
		PTI06_D_B02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	80%	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	7.68E-08	1.33E-07	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	2.75E-08	3.44E-08	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08
		PTI06_D_B03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	80%	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	7.68E-08	1.33E-07	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	2.75E-08	3.44E-08	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08
		PTI06_D_B04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	80%	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-08	7.68E-08	1.33E-07	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	1.72E-08	2.75E-08	3.44E-08	3.44E-08	3.44E-08	2.75E-08	1.72E-08	1.72E-08	1.72E-08
		PTI06_D_B05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B11	LINE	816947.5	831889.3	816944.0	831907.1	12.5	12.8	1.7	1.58	80%	7.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	5.84E-08	1.01E-07	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	1.31E-08	2.09E-08	2.62E-08	2.62E-08	2.62E-08	2.09E-08	1.31E-08	1.31E-08	1.31E-08
		PTI06_D_B12	LINE	816944	831907.1	817008.8	831982.7	17	13.1	1.7	1.58	80%	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-08	4.29E-08	7.43E-08	1.92E-08	1.92E-08	1.54E-08	9.62E-09	9.62E-09	9.62E-09	9.62E-09	9.62E-09	1.54E-08	1.92E-08	1.92E-08	1.92E-08	1.54E-08	9.62E-09	9.62E-09	9.62E-09

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	**Planned PTI at Proposed Public Housing at Lam Tei North**	PTI06_D_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06	8.74E-06	1.25E-05	8.20E-06	8.20E-06	6.56E-06	4.12E-06	4.10E-06	4.11E-06	4.11E-06	4.11E-06	6.56E-06	8.20E-06	8.18E-06	8.18E-06	6.54E-06	4.09E-06	4.08E-06	4.08E-06
		PTI06_D_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06	8.74E-06	1.25E-05	8.20E-06	8.20E-06	6.56E-06	4.12E-06	4.10E-06	4.11E-06	4.11E-06	4.11E-06	6.56E-06	8.20E-06	8.18E-06	8.18E-06	6.54E-06	4.09E-06	4.08E-06	4.08E-06

Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

Line Source | Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	Route A	PTI06_D_A01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	20%	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	7.47E-09	1.29E-08	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	2.67E-09	3.34E-09	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09
		PTI06_D_A02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	20%	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	7.47E-09	1.29E-08	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	2.67E-09	3.34E-09	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09
		PTI06_D_A03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	20%	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	7.47E-09	1.29E-08	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	2.67E-09	3.34E-09	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09
		PTI06_D_A04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	20%	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-09	7.47E-09	1.29E-08	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	1.67E-09	2.67E-09	3.34E-09	3.34E-09	3.34E-09	2.67E-09	1.67E-09	1.67E-09	1.67E-09
		PTI06_D_A05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	20%	7.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-09	5.67E-09	9.83E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	1.27E-09	2.03E-09	2.54E-09	2.54E-09	2.54E-09	2.03E-09	1.27E-09	1.27E-09	1.27E-09
		PTI06_D_A11	LINE	816947.5	831889.3	816906.5	831847.2	13	12.5	1.7	1.58	20%	7.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	5.46E-09	9.45E-09	2.44E-09	2.44E-09	1.95E-09	1.22E-09	1.22E-09	1.22E-09	1.22E-09	1.22E-09	1.95E-09	2.44E-09	2.44E-09	2.44E-09	1.95E-09	1.22E-09	1.22E-09	1.22E-09
		PTI06_D_A12	LINE	816906.5	831847.2	816867.0	831803.3	13	12.4	1.7	1.58	20%	7.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-09	5.46E-09	9.45E-09	2.44E-09	2.44E-09	1.95E-09	1.22E-09	1.22E-09	1.22E-09	1.22E-09	1.22E-09	1.95E-09	2.44E-09	2.44E-09	2.44E-09	1.95E-09	1.22E-09	1.22E-09	1.22E-09
PTI06_PLBD	Route B	PTI06_D_B01	LINE	817176.2	831511.7	817179.6	831544.9	9.5	14	1.7	1.58	80%	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.99E-08	5.17E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09	6.69E-09	6.69E-09	1.07E-08	1.34E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09
		PTI06_D_B02	LINE	817179.6	831544.9	817201.1	831585.2	9.5	13.9	1.7	1.58	80%	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.99E-08	5.17E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09	6.69E-09	6.69E-09	1.07E-08	1.34E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09
		PTI06_D_B03	LINE	817201.1	831585.2	817227.8	831611.2	9.5	13.7	1.7	1.58	80%	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.99E-08	5.17E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09	6.69E-09	6.69E-09	1.07E-08	1.34E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09
		PTI06_D_B04	LINE	817227.8	831611.2	817228.4	831625.8	9.5	14.5	1.7	1.58	80%	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.99E-08	5.17E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09	6.69E-09	6.69E-09	1.07E-08	1.34E-08	1.34E-08	1.34E-08	1.07E-08	6.69E-09	6.69E-09	6.69E-09
		PTI06_D_B05	LINE	817228.4	831625.8	817188.6	831653.4	12.5	15.4	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B06	LINE	817188.6	831653.4	817137.9	831700.9	12.5	15	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B07	LINE	817137.9	831700.9	817077.6	831773.6	12.5	14.4	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B08	LINE	817077.6	831773.6	817041.8	831806.8	12.5	14	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B09	LINE	817041.8	831806.8	816976.6	831865.2	12.5	13.6	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B10	LINE	816976.6	831865.2	816947.5	831889.3	12.5	13.6	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B11	LINE	816947.5	831889.3	816944.0	831907.1	12.5	12.8	1.7	1.58	80%	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-08	2.27E-08	3.93E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	5.08E-09	8.13E-09	1.02E-08	1.02E-08	1.02E-08	8.13E-09	5.08E-09	5.08E-09	5.08E-09
		PTI06_D_B12	LINE	816944	831907.1	817008.8	831982.7	17	13.1	1.7	1.58	80%	2.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	1.67E-08	2.89E-08	7.47E-09	7.47E-09	5.98E-09	3.74E-09	3.74E-09	3.74E-09	3.74E-09	3.74E-09	5.98E-09	7.47E-09	7.47E-09	7.47E-09	5.98E-09	3.74E-09	3.74E-09	3.74E-09

Note:

1.According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.

2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Source

PTI ID	Description	Source ID	Type [1]	X	Y	Base Elevation	Release Height [2]	x dim.	y dim.	Rotation angle	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(o)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
PTI06_PLBD	Planned PTI at Proposed Public Housing at Lam Tei North	PTI06_D_IO01	AREA	817174.8	831519.1	14.5	3.0	17.3	1.0	80.9	2.80	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-06	3.40E-06	4.88E-06	3.19E-06	3.19E-06	2.55E-06	1.60E-06	1.60E-06	1.60E-06	1.60E-06	1.60E-06	2.55E-06	3.19E-06	3.18E-06	3.18E-06	2.54E-06	1.59E-06	1.59E-06	1.59E-06
		PTI06_D_IO02	AREA	817203.2	831445.7	15.5	3.0	20.1	1.0	61.3	2.80	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-06	3.40E-06	4.88E-06	3.19E-06	3.19E-06	2.55E-06	1.60E-06	1.60E-06	1.60E-06	1.60E-06	1.60E-06	2.55E-06	3.19E-06	3.18E-06	3.18E-06	2.54E-06	1.59E-06	1.59E-06	1.59E-06

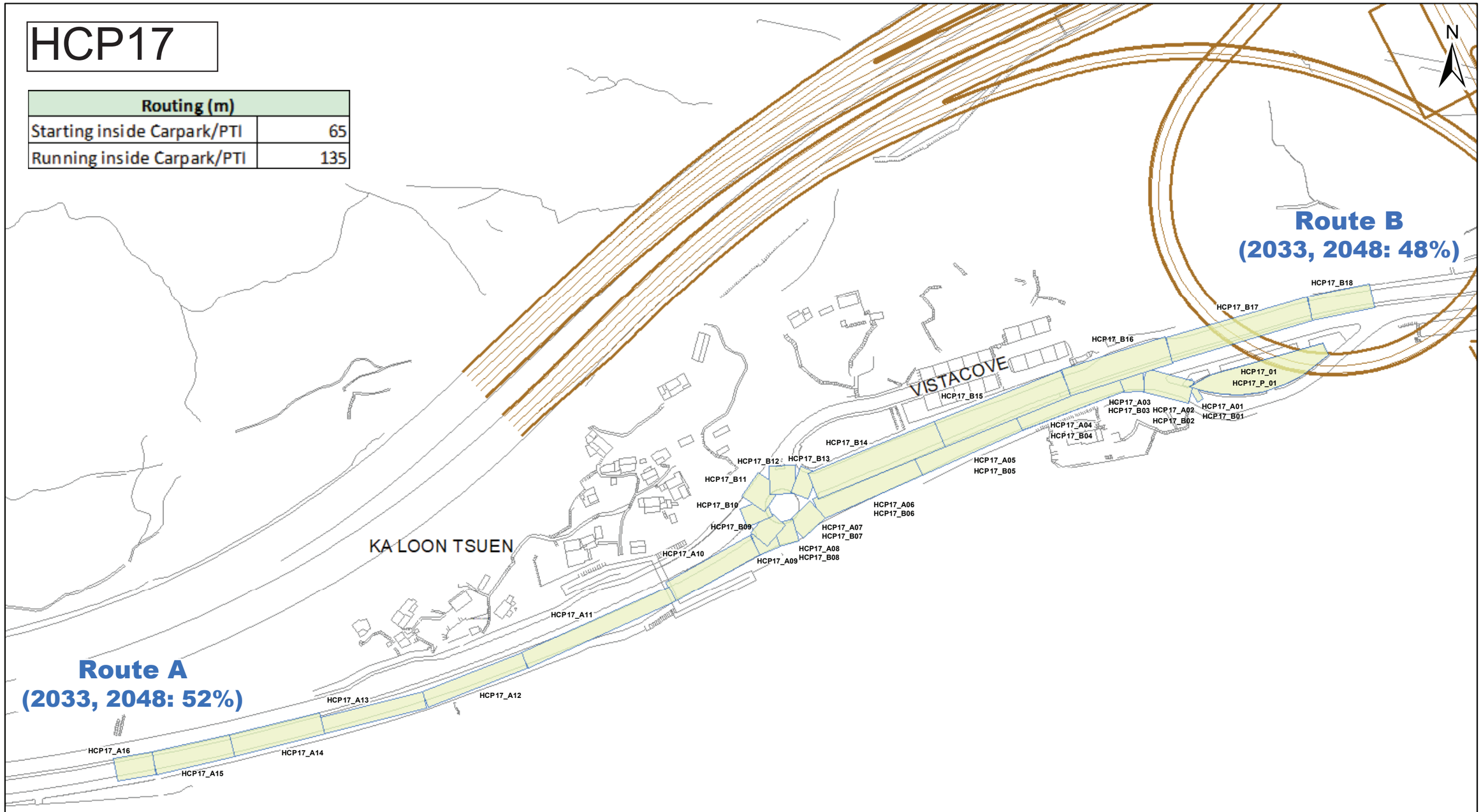
Note:
1. The planned PTI will be decked with the headroom of openings being 6m. Detailed design for the planned PTI is not available during the stage of this EIA. It is assumed that the emissions from the PTI are dispersed at the entry and exit openings without any forced mechanical ventilation and are modelled as AREA source with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height are estimated from the midpoint of the initial vertical dimension. Given the 6m headroom, the release height is 3m.
3. According to User's Guide for the AMS/EPA Regulatory Model (AERMOD) issued by USEPA, initial vertical dimension = vertical dimension of source divided by 2.15. Vertical dimension of source is equal to the headroom of the openings, i.e., 6m.

Annex – 5

Source Locations for HGV/ Coach Parking
(So Kwun Wat, Siu Lam and Tai Lam, Tsing Lung Tau and North Lantau Areas)

HCP17

Routing (m)	
Starting inside Carpark/PTI	65
Running inside Carpark/PTI	135



Note: The longest routing within the parking sites is assumed as a conservative approach for running / start emission calculation.

Legend

- Locations of Emission Sources
- Proposed Alignment
- Proposed Alignment (Tunnel)
- 500m Assessment Area

HCP25

Route A
(2033: 43%
2048: 44.8%)

Route B
(2033: 11%
2048: 9.7%)

Route C
(2033: 45%
2048: 45.5%)

N

Routing (m)	
Starting inside Carpark/PTI	10
Access Road	105
Running inside Carpark/PTI	10

0 30 60 120 180 240 Meters

Note: The longest routing within the parking sites is assumed as a conservative approach for running / start emission calculation.

Legend
- Locations of Emission Sources
- Proposed Alignment
- Proposed Alignment (Tunnel)
- 500m Assessment Area

Annex - 6

Emission Inventory for HGV/ Coach Parking
(So Kwun Wat, Siu Lam and Tai Lam, Tsing Lung Tau and North Lantau Areas, Year 2033)

HCP17 - PC

Routing (m)				
Starting inside PTI/ Carpark [1]	65	100%	Bypass route	0
Starting on Public Road	0	0%	Running inside PTI/ Carpark [1]	135
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	65			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	0

INDEX

Vehicle Type: PC - Petrol 1

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9		1						1											
9	10				1															
10	11		1	1				1	1											
11	12		1																	
12	13			1		1			1		1									1
13	14		1	1																
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	0.00E+00	7.20E-07	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	1.19E-06	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	3.60E-07	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	3.89E-07	0.00E+00	0.00E+00
11	8	22	0.00E+00	0.00E+00	1.44E-06	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	2.31E-06	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	3.60E-07	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-07	1.11E-07	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	1.80E-06	7.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-06	6.72E-06	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	7.20E-07	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	3.06E-07	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17_PC	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_P_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-09	8.17E-10	4.15E-09	4.96E-10	9.52E-09	1.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17_PC	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_P_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-09	7.60E-10	3.83E-09	4.68E-10	8.83E-09	1.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP17

Routing (m)				
Starting inside PTI/ Carpark [1]	65	9%	Bypass route	0
Starting on Public Road	635	91%	Running inside PTI/ Carpark [1]	135
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

INDEX

Vehicle Type: NFB8 13 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12																			1
12	13																			
13	14								1											
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	3.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

INDEX

Vehicle Type: LGV4 - Diesel 4 **Day:** 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9																			
9	10																			
10	11																			
11	12																			
12	13																			
13	14			1																
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	7	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	8	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	9	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	8	18	0.00E+00	0.00E+00	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00
15	8	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	8	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	8	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	8	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

						Line Source				Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Route A**	HCP17_A01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A04	LINE	821729.4	824294.7	821673.8	824273.7	12.5	16.1	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A05	LINE	821673.8	824273.7	821619.2	824249.3	12.5	15.5	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A06	LINE	821619.2	824249.3	821564.6	824224.9	12.5	14.9	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A09	LINE	821542.2	824210.7	821530.6	824205.7	12	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A10	LINE	821530.6	824205.7	821485	824180	12	14.6	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A11	LINE	821485.8	824178.7	821405.3	824142.5	9	14.8	8.5	0	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A12	LINE	821405.3	824142.5	821351	824121	9	16.1	8.5	0	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A13	LINE	821351	824121	821295.4	824107.1	9	17.4	8.5	0	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A14	LINE	821295.2	824108.2	821246	824096.2	12	17.5	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A15	LINE	821246	824096.2	821203.7	824086.5	12.5	17	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A16	LINE	821203.7	824086.5	821182.6	824083	12.5	16.2	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP17	**Route B**	HCP17_B01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B04	LINE	821729.4	824294.7	821673.4	824273.5	12.5	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B05	LINE	821673.4	824273.5	821619	824249.2	12.5	15.5	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B06	LINE	821619	824249.2	821564.6	824224.9	12.5	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B09	LINE	821542.2	824210.7	821533.3	824218.3	15	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B10	LINE	821533.3	824218.3	821529.5	824228	15	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B11	LINE	821529.5	824228	821538.3	824240.8	15	14.6	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B12	LINE	821538.3	824240.8	821553	824241.2	15	14.8	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B13	LINE	821553	824241.2	821562.2	824237.7	15	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B14	LINE	821562.2	824237.7	821631.1	824265.6	15	15.3	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B15	LINE	821631.1	824265.6	821699.9	824293.6	15	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B16	LINE	821699.9	824293.6	821756	824311.5	15	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B17	LINE	821756	824311.5	821832.6	824334.1	13.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B18	LINE	821832.6	824334.1	821866.5	824341.2	13.5	15.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	3.87E-09	3.87E-09	3.87E-09	3.87E-09	3.87E-09	3.87E-09	3.87E-09	0.00E+00	0.00E+00	3.87E-09	0.00E+00	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

						Line Source			Area/Polyarea/Line																													
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																								
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Route A**	HCP17_A01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A04	LINE	821729.4	824294.7	821673.8	824273.7	12.5	16.1	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A05	LINE	821673.8	824273.7	821619.2	824249.3	12.5	15.5	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A06	LINE	821619.2	824249.3	821564.6	824224.9	12.5	14.9	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A09	LINE	821542.2	824210.7	821530.6	824205.7	12	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A10	LINE	821530.6	824205.7	821485	824180	12	14.6	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A11	LINE	821485.8	824178.7	821405.3	824142.5	9	14.8	8.5	0	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A12	LINE	821405.3	824142.5	821351	824121	9	16.1	8.5	0	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A13	LINE	821351	824121	821295.4	824107.1	9	17.4	8.5	0	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A14	LINE	821295.2	824108.2	821246	824096.2	12	17.5	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A15	LINE	821246	824096.2	821203.7	824086.5	12.5	17	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A16	LINE	821203.7	824086.5	821182.6	824083	12.5	16.2	1.7	1.58	52%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP17	**Route B**	HCP17_B01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B04	LINE	821729.4	824294.7	821673.4	824273.5	12.5	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B05	LINE	821673.4	824273.5	821619	824249.2	12.5	15.5	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B06	LINE	821619	824249.2	821564.6	824224.9	12.5	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B09	LINE	821542.2	824210.7	821533.3	824218.3	15	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B10	LINE	821533.3	824218.3	821529.5	824228	15	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B11	LINE	821529.5	824228	821538.3	824240.8	15	14.6	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B12	LINE	821538.3	824240.8	821553	824241.2	15	14.8	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B13	LINE	821553	824241.2	821562.2	824237.7	15	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B14	LINE	821562.2	824237.7	821631.1	824265.6	15	15.3	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B15	LINE	821631.1	824265.6	821699.9	824293.6	15	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B16	LINE	821699.9	824293.6	821756	824311.5	15	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B17	LINE	821756	824311.5	821832.6	824334.1	13.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B18	LINE	821832.6	824334.1	821866.5	824341.2	13.5	15.4	1.7	1.58	48%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	3.56E-09	3.56E-09	3.56E-09	3.56E-09	3.56E-09	3.56E-09	3.56E-09	0.00E+00	0.00E+00	3.56E-09	0.00E+00	4.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP25

Routing (m)				
Starting inside PTI/ Carpark [1]	10	1%	Bypass route	0
Starting on Public Road	585	84%	Running inside PTI/ Carpark [1]	10
Access Road - Arrival	105	15%		
Access Road - Departure	105			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

INDEX

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																		
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10						1		1											
10	11						1		1											
11	12						1		1											
12	13						1		1											
13	14						1		1											
14	15						1		1											
15	16						1		1											
16	17						1		1											
17	18							1												
18	19							1												
19	20							1	1											
20	21							1	1											
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity	RSP						FSP					
			Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
0 to 8760	°C	%												
1	8	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	7	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	6	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	7	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	6	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	7	26	0.00E+00	0.00E+00	2.72E-07	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-07	0.00E+00	5.26E-06	0.00E+00
9	7	23	0.00E+00	0.00E+00	2.72E-07	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-07	0.00E+00	5.26E-06	0.00E+00
10	8	22	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
11	8	22	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
12	8	16	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
13	9	19	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
14	8	18	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
15	8	19	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
16	8	20	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
17	8	22	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
18	8	22	0.00E+00	0.00E+00	2.72E-07	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-07	0.00E+00	5.26E-06	0.00E+00
19	8	25	0.00E+00	0.00E+00	2.72E-07	0.00E+00	5.72E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-07	0.00E+00	5.26E-06	0.00E+00
20	8	26	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
21	8	27	0.00E+00	0.00E+00	5.44E-07	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.05E-05	0.00E+00
22	8	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	8	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	8	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Road)

				Line Source					Area/Polyarea/Line																											
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Route A**	HCP25_A01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A07	LINE	816609.9	826273.5	816608.3	826279.9	13	6.4	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A08	LINE	816608.3	826279.9	816545.1	826351.8	13	7	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A09	LINE	816545.1	826351.8	816493.6	826405.2	13	10.5	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A10	LINE	816493.6	826405.2	816455.2	826439.8	13	13.3	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A11	LINE	816455.2	826439.8	816396.5	826494.3	14	15.1	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A12	LINE	816396.5	826494.3	816358.8	826522.9	14	15.2	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A13	LINE	816358.8	826522.9	816319.7	826539.9	14	14.3	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A14	LINE	816319.7	826539.9	816280.7	826548.2	14	12.1	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A15	LINE	816280.7	826548.2	816220	826555.8	15.5	9.8	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A16	LINE	816220	826555.8	816174.5	826569.4	15.5	7.8	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A17	LINE	816174.5	826569.4	816141.5	826584.9	15.5	6	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route B**	HCP25_B01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B07	LINE	816609.9	826273.5	816621.7	826291.6	10.5	7.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B08	LINE	816621.7	826291.6	816694.1	826351.9	10.5	9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B09	LINE	816694.1	826351.9	816766.5	826412.3	10.5	17.9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B10	LINE	816766.5	826412.3	816772.4	826418.6	12.5	21.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B11	LINE	816772.4	826418.6	816794.3	826453.5	12.5	22.5	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B12	LINE	816794.3	826453.5	816840.6	826510	12.5	26.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B13	LINE	816840.6	826510	816857.4	826537.7	12.5	32.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B14	LINE	816857.4	826537.7	816869.8	826547.8	12.5	35	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B15	LINE	816869.8	826547.8	816877.5	826550.4	12.5	35.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B16	LINE	816877.5	826550.4	816889.9	826554.5	12.5	36.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B17	LINE	816889.9	826554.5	816907.3	826552.3	12.5	38.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B18	LINE	816907.3	826552.3	816946.7	826538.7	12.5	42.2	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B19	LINE	816946.7	826538.7	816966.3	826529.7	12.5	45.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B20	LINE	816966.3	826529.7	816975.2	826520.7	12.5	46.4	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B21	LINE	816975.2	826520.7	816981.5	826510.3	12.5	47.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B22	LINE	816981.5	826510.3	816985.3	826492.4	12.5	48	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B23	LINE	816985.3	826492.4	816986.1	826473.2	12.5	48.5	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B24	LINE	816986.1	826473.2	816992.6	826459	12.5	48.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B25	LINE	816992.6	826459	817003.4	826446.5	12.5	48.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B26	LINE	817003.4	826446.5	817008.1	826444.1	12.5	48.4	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route C**	HCP25_C01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C02	LINE	816547.5	826270.7	816565.1	826254.1	12	4.9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C03	LINE	816565.1	826254.1	816573.5	826250	12	5.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C07	LINE	816609.9	826273.5	816617.8	826275.9	12	6.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C08	LINE	816617.8	826275.9	816624.8	826274.8	12	6.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C09	LINE	816624.8	826274.8	816677.4	826214.6	12	7.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C10	LINE	816677.4	826214.6	816730	826154.3	12	9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C11	LINE	816730	826154.3	816769	826120.4	12	10.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C12	LINE	816769	826120.4	816808	826103	12	11.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C13	LINE	816808	826103	816871	826093.1	12	12.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C14	LINE	816871	826093.1	816965.9	826085.3	12	11.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C15	LINE	816965.9	826085.3	817060.8	826077.5	12	11.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C16	LINE	817060.8	826077.5	817119.6	826069.6	12	10.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP25	**Access road**	HCP25_AC01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	4.46E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	4.46E-09	4.46E-09	8.92E-09	8.92E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	4.46E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	4.46E-09	4.46E-09	8.92E-09	8.92E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	4.46E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	4.46E-09	4.46E-09	8.92E-09	8.92E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	4.46E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	4.46E-09	4.46E-09	8.92E-09	8.92E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	4.46E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	4.46E-09	4.46E-09	8.92E-09	8.92E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-09	4.46E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	8.92E-09	4.46E-09	4.46E-09	8.92E-09	8.92E-09	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (RSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Carpark near Tsing Ying Road**	HCP25_01	AREAPOLY	816554.6	826305.2	4.1	3.9	210.5	816554.6 826305.2 816541.6 826291.9 816533.4 826299.6 816546.7 826313.1 816554.6 826305.2	5	3.64	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-09	1.29E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	2.59E-09	1.29E-09	1.29E-09	2.59E-09	2.59E-09	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Road)

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				Line Source						Area/Polyarea/Line																										
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Route A**	HCP25_A01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A07	LINE	816609.9	826273.5	816608.3	826279.9	13	6.4	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A08	LINE	816608.3	826279.9	816545.1	826351.8	13	7	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A09	LINE	816545.1	826351.8	816493.6	826405.2	13	10.5	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A10	LINE	816493.6	826405.2	816455.2	826439.8	13	13.3	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A11	LINE	816455.2	826439.8	816396.5	826494.3	14	15.1	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A12	LINE	816396.5	826494.3	816358.8	826522.9	14	15.2	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A13	LINE	816358.8	826522.9	816319.7	826539.9	14	14.3	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A14	LINE	816319.7	826539.9	816280.7	826548.2	14	12.1	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A15	LINE	816280.7	826548.2	816220	826555.8	15.5	9.8	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A16	LINE	816220	826555.8	816174.5	826569.4	15.5	7.8	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_A17	LINE	816174.5	826569.4	816141.5	826584.9	15.5	6	1.7	1.58	43%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route B**	HCP25_B01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B07	LINE	816609.9	826273.5	816621.7	826291.6	10.5	7.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B08	LINE	816621.7	826291.6	816694.1	826351.9	10.5	9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B09	LINE	816694.1	826351.9	816766.5	826412.3	10.5	17.9	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B10	LINE	816766.5	826412.3	816772.4	826418.6	12.5	21.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B11	LINE	816772.4	826418.6	816794.3	826453.5	12.5	22.5	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B12	LINE	816794.3	826453.5	816840.6	826510	12.5	26.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B13	LINE	816840.6	826510	816857.4	826537.7	12.5	32.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B14	LINE	816857.4	826537.7	816869.8	826547.8	12.5	35	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B15	LINE	816869.8	826547.8	816877.5	826550.4	12.5	35.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B16	LINE	816877.5	826550.4	816889.9	826554.5	12.5	36.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B17	LINE	816889.9	826554.5	816907.3	826552.3	12.5	38.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B18	LINE	816907.3	826552.3	816946.7	826538.7	12.5	42.2	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B19	LINE	816946.7	826538.7	816966.3	826529.7	12.5	45.3	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B20	LINE	816966.3	826529.7	816975.2	826520.7	12.5	46.4	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B21	LINE	816975.2	826520.7	816981.5	826510.3	12.5	47.1	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B22	LINE	816981.5	826510.3	816985.3	826492.4	12.5	48	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B23	LINE	816985.3	826492.4	816986.1	826473.2	12.5	48.5	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B24	LINE	816986.1	826473.2	816992.6	826459	12.5	48.7	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B25	LINE	816992.6	826459	817003.4	826446.5	12.5	48.6	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_B26	LINE	817003.4	826446.5	817008.1	826444.1	12.5	48.4	1.7	1.58	11%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route C**	HCP25_C01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C02	LINE	816547.5	826270.7	816565.1	826254.1	12	4.9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C03	LINE	816565.1	826254.1	816573.5	826250	12	5.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C07	LINE	816609.9	826273.5	816617.8	826275.9	12	6.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C08	LINE	816617.8	826275.9	816624.8	826274.8	12	6.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C09	LINE	816624.8	826274.8	816677.4	826214.6	12	7.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C10	LINE	816677.4	826214.6	816730	826154.3	12	9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C11	LINE	816730	826154.3	816769	826120.4	12	10.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C12	LINE	816769	826120.4	816808	826103	12	11.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C13	LINE	816808	826103	816871	826093.1	12	12.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C14	LINE	816871	826093.1	816965.9	826085.3	12	11.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C15	LINE	816965.9	826085.3	817060.8	826077.5	12	11.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP25_C16	LINE	817060.8	826077.5	817119.6	826069.6	12	10.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP25	**Access road**	HCP25_AC01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	4.10E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	4.10E-09	4.10E-09	8.20E-09	8.20E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	4.10E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	4.10E-09	4.10E-09	8.20E-09	8.20E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	4.10E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	4.10E-09	4.10E-09	8.20E-09	8.20E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	4.10E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	4.10E-09	4.10E-09	8.20E-09	8.20E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	4.10E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	4.10E-09	4.10E-09	8.20E-09	8.20E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-09	4.10E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	8.20E-09	4.10E-09	4.10E-09	8.20E-09	8.20E-09	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (FSP - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Carpark near Tsing Ying Road**	HCP25_01	AREAPOLY	816554.6	826305.2	4.1	3.9	210.5	816554.6 826305.2 816541.6 826291.9 816533.4 826299.6 816546.7 826313.1 816554.6 826305.2	5	3.64	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-09	1.19E-09	2.38E-09	2.38E-09	2.38E-09	2.38E-09	2.38E-09	2.38E-09	2.38E-09	2.38E-09	2.38E-09	1.19E-09	1.19E-09	2.38E-09	2.38E-09	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Annex – 7a

Emission Inventory for HGV/ Coach Parking
(So Kwun Wat, Siu Lam and Tai Lam, Tsing Lung Tau and North Lantau Areas, Year 2048, Long Term)

HCP17 - PC

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	65	100%	Bypass route	0
Starting on Public Road	0	0%	Running inside PTI/ Carpark [1]	135
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	0			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	0

Vehicle Type: PC - Petrol 1

Day: 1

Hour		No. of Trip																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9		1						1											
9	10				1															
10	11		1	1				1	1											
11	12		1																	
12	13			1		1			1		1									1
13	14		1	1																
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0.00E+00	0.00E+00	2.10E-06	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-07	1.22E-06	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	1.04E-06	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-08	5.83E-07	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	3.98E-06	4.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-07	2.33E-06	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	9.79E-07	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-08	5.28E-07	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	4.89E-06	5.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	2.92E-06	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	1.94E-06	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-07	1.06E-06	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																					
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17_PC	Carpark near Castle Peak Road - Tsing Lung Tau	HCP17_P_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-08	1.27E-08	5.06E-08	1.16E-08	6.40E-08	2.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17_PC	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_P_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-09	6.73E-10	2.69E-09	6.11E-10	3.35E-09	1.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark

HCP17

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Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12																			1
12	13																			
13	14								1											
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Routing (m)				
Starting inside PTI/ Carpark [1]	65	9%	Bypass route	0
Starting on Public Road	635	91%	Running inside PTI/ Carpark [1]	135
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	1.02E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.02E-05	3.39E-05	0.00E+00	3.31E-04
4	0.00E+00	0.00E+00	1.02E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.02E-05	3.39E-05	0.00E+00	3.31E-04
5	0.00E+00	0.00E+00	1.02E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.03E-05	3.39E-05	0.00E+00	3.31E-04
6	0.00E+00	0.00E+00	1.02E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.04E-05	3.39E-05	0.00E+00	3.31E-04
7	0.00E+00	0.00E+00	1.03E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.07E-05	3.39E-05	0.00E+00	3.31E-04
8	0.00E+00	0.00E+00	1.03E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.06E-05	3.39E-05	0.00E+00	3.31E-04
9	0.00E+00	0.00E+00	1.03E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.07E-05	3.39E-05	0.00E+00	3.31E-04
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	1.03E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.06E-05	3.39E-05	0.00E+00	3.31E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	1.02E-04	1.76E-05	0.00E+00	1.72E-04	0.00E+00	0.00E+00	5.04E-05	8.68E-06	0.00E+00	8.48E-05
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Vehicle Type: LGV4 - Diesel 4

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9																			
9	10																			
10	11																			
11	12																			
12	13																			
13	14			1																
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Routing (m)				
Starting inside PTI/ Carpark [1]	65	9%	Bypass route	0
Starting on Public Road	635	91%	Running inside PTI/ Carpark [1]	135
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	5.69E-05	1.81E-08	0.00E+00	1.76E-07	0.00E+00	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

						Line Source						Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	Route A	HCP17_A01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A04	LINE	821729.4	824294.7	821673.8	824273.7	12.5	16.1	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A05	LINE	821673.8	824273.7	821619.2	824249.3	12.5	15.5	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A06	LINE	821619.2	824249.3	821564.6	824224.9	12.5	14.9	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A09	LINE	821542.2	824210.7	821530.6	824205.7	12	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A10	LINE	821530.6	824205.7	821485	824180	12	14.6	1.7	1.58	52%	0.00E+00	0.00E+00	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A11	LINE	821485.8	824178.7	821405.3	824142.5	9	14.8	8.5	0	52%	0.00E+00	0.00E+00	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	0.00E+00	0.00E+00	6.13E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A12	LINE	821405.3	824142.5	821351	824121	9	16.1	8.5	0	52%	0.00E+00	0.00E+00	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	0.00E+00	0.00E+00	6.13E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A13	LINE	821351	824121	821295.4	824107.1	9	17.4	8.5	0	52%	0.00E+00	0.00E+00	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	0.00E+00	0.00E+00	6.13E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A14	LINE	821295.2	824108.2	821246	824096.2	12	17.5	1.7	1.58	52%	0.00E+00	0.00E+00	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A15	LINE	821246	824096.2	821203.7	824086.5	12.5	17	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A16	LINE	821203.7	824086.5	821182.6	824083	12.5	16.2	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP17	Route B	HCP17_B01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B04	LINE	821729.4	824294.7	821673.4	824273.5	12.5	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B05	LINE	821673.4	824273.5	821619	824249.2	12.5	15.5	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B06	LINE	821619	824249.2	821564.6	824224.9	12.5	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B09	LINE	821542.2	824210.7	821533.3	824218.3	15	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B10	LINE	821533.3	824218.3	821529.5	824228	15	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B11	LINE	821529.5	824228	821538.3	824240.8	15	14.6	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B12	LINE	821538.3	824240.8	821553	824241.2	15	14.8	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B13	LINE	821553	824241.2	821562.2	824237.7	15	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B14	LINE	821562.2	824237.7	821631.1	824265.6	15	15.3	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B15	LINE	821631.1	824265.6	821699.9	824293.6	15	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B16	LINE	821699.9	824293.6	821756	824311.5	15	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B17	LINE	821756	824311.5	821832.6	824334.1	13.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B18	LINE	821832.6	824334.1	821866.5	824341.2	13.5	15.4	1.7	1.58	48%	0.00E+00	0.00E+00	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.81E-07	1.80E-07	1.81E-07	0.00E+00	0.00E+00	1.80E-07	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

					Line Source						Area/Polyarea/Line																							
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Route A**	HCP17_A01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A04	LINE	821729.4	824294.7	821673.8	824273.7	12.5	16.1	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A05	LINE	821673.8	824273.7	821619.2	824249.3	12.5	15.5	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A06	LINE	821619.2	824249.3	821564.6	824224.9	12.5	14.9	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A09	LINE	821542.2	824210.7	821530.6	824205.7	12	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A10	LINE	821530.6	824205.7	821485	824180	12	14.6	1.7	1.58	52%	0.00E+00	0.00E+00	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A11	LINE	821485.8	824178.7	821405.3	824142.5	9	14.8	8.5	0	52%	0.00E+00	0.00E+00	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A12	LINE	821405.3	824142.5	821351	824121	9	16.1	8.5	0	52%	0.00E+00	0.00E+00	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A13	LINE	821351	824121	821295.4	824107.1	9	17.4	8.5	0	52%	0.00E+00	0.00E+00	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A14	LINE	821295.2	824108.2	821246	824096.2	12	17.5	1.7	1.58	52%	0.00E+00	0.00E+00	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A15	LINE	821246	824096.2	821203.7	824086.5	12.5	17	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A16	LINE	821203.7	824086.5	821182.6	824083	12.5	16.2	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP17	**Route B**	HCP17_B01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B04	LINE	821729.4	824294.7	821673.4	824273.5	12.5	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B05	LINE	821673.4	824273.5	821619	824249.2	12.5	15.5	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B06	LINE	821619	824249.2	821564.6	824224.9	12.5	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B09	LINE	821542.2	824210.7	821533.3	824218.3	15	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B10	LINE	821533.3	824218.3	821529.5	824228	15	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B11	LINE	821529.5	824228	821538.3	824240.8	15	14.6	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B12	LINE	821538.3	824240.8	821553	824241.2	15	14.8	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B13	LINE	821553	824241.2	821562.2	824237.7	15	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B14	LINE	821562.2	824237.7	821631.1	824265.6	15	15.3	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B15	LINE	821631.1	824265.6	821699.9	824293.6	15	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B16	LINE	821699.9	824293.6	821756	824311.5	15	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B17	LINE	821756	824311.5	821832.6	824334.1	13.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B18	LINE	821832.6	824334.1	821866.5	824341.2	13.5	15.4	1.7	1.58	48%	0.00E+00	0.00E+00	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																						
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	8.85E-08	8.85E-08	8.86E-08	8.87E-08	8.90E-08	8.88E-08	8.90E-08	0.00E+00	0.00E+00	8.89E-08	0.00E+00	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP25

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	10	1%	Bypass route	0
Starting on Public Road	585	84%	Running inside PTI/ Carpark [1]	10
Access Road - Arrival	105	15%		
Access Road - Departure	105			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10						1		1											
10	11						1		1											
11	12						1		1											
12	13						1		1											
13	14						1		1											
14	15						1		1											
15	16						1		1											
16	17						1		1											
17	18							1												
18	19							1												
19	20							1	1											
20	21							1	1											
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	14	61
2	13	63
3	13	63
4	13	63
5	13	62
6	13	61
7	12	61
8	13	59
9	14	53
10	15	49
11	17	44
12	18	42
13	18	42
14	18	44
15	19	44
16	18	45
17	17	48
18	16	54
19	15	58
20	15	59
21	15	60
22	15	61
23	14	61
24	14	62

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
8760	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	7.60E-06	1.06E-05	2.71E-04	6.19E-04	0.00E+00	0.00E+00	3.74E-06	5.21E-06	1.33E-04	3.05E-04
9	0.00E+00	0.00E+00	7.63E-06	1.06E-05	2.71E-04	6.19E-04	0.00E+00	0.00E+00	3.76E-06	5.21E-06	1.34E-04	3.05E-04
10	0.00E+00	0.00E+00	1.53E-05	4.10E-06	3.64E-04	2.40E-04	0.00E+00	0.00E+00	7.52E-06	2.02E-06	1.79E-04	1.18E-04
11	0.00E+00	0.00E+00	1.52E-05	4.10E-06	3.63E-04	2.40E-04	0.00E+00	0.00E+00	7.51E-06	2.02E-06	1.79E-04	1.18E-04
12	0.00E+00	0.00E+00	1.52E-05	4.10E-06	3.63E-04	2.40E-04	0.00E+00	0.00E+00	7.49E-06	2.02E-06	1.79E-04	1.18E-04
13	0.00E+00	0.00E+00	1.52E-05	4.10E-06	3.63E-04	2.40E-04	0.00E+00	0.00E+00	7.49E-06	2.02E-06	1.79E-04	1.18E-04
14	0.00E+00	0.00E+00	1.52E-05	4.10E-06	3.61E-04	2.40E-04	0.00E+00	0.00E+00	7.46E-06	2.02E-06	1.78E-04	1.18E-04
15	0.00E+00	0.00E+00	1.51E-05	4.10E-06	3.59E-04	2.40E-04	0.00E+00	0.00E+00	7.41E-06	2.02E-06	1.77E-04	1.18E-04
16	0.00E+00	0.00E+00	1.51E-05	4.10E-06	3.61E-04	2.40E-04	0.00E+00	0.00E+00	7.45E-06	2.02E-06	1.78E-04	1.18E-04
17	0.00E+00	0.00E+00	1.51E-05	4.10E-06	3.61E-04	2.40E-04	0.00E+00	0.00E+00	7.45E-06	2.02E-06	1.78E-04	1.18E-04
18	0.00E+00	0.00E+00	7.52E-06	1.85E-06	1.77E-04	1.08E-04	0.00E+00	0.00E+00	3.70E-06	9.12E-07	8.74E-05	5.33E-05
19	0.00E+00	0.00E+00	7.52E-06	1.85E-06	1.77E-04	1.08E-04	0.00E+00	0.00E+00	3.70E-06	9.12E-07	8.73E-05	5.33E-05
20	0.00E+00	0.00E+00	1.50E-05	4.56E-06	3.63E-04	2.67E-04	0.00E+00	0.00E+00	7.39E-06	2.25E-06	1.79E-04	1.31E-04
21	0.00E+00	0.00E+00	1.50E-05	4.56E-06	3.63E-04	2.67E-04	0.00E+00	0.00E+00	7.38E-06	2.25E-06	1.79E-04	1.31E-04
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

				Line Source							Area/Polyarea/Line		Hourly Emission Rate (g/s or g/s/sq. m)																						
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%																								
HCP25	Route A	HCP25_A01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A07	LINE	816609.9	826273.5	816608.3	826279.9	13	6.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	3.09E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	5.41E-09	5.41E-09	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A08	LINE	816608.3	826279.9	816545.1	826351.8	13	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	3.09E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	5.41E-09	5.41E-09	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A09	LINE	816545.1	826351.8	816493.6	826405.2	13	10.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	3.09E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	5.41E-09	5.41E-09	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A10	LINE	816493.6	826405.2	816455.2	826439.8	13	13.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	3.09E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	5.41E-09	5.41E-09	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A11	LINE	816455.2	826439.8	816396.5	826494.3	14	15.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	2.87E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	5.02E-09	5.02E-09	1.24E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A12	LINE	816396.5	826494.3	816358.8	826522.9	14	15.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	2.87E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	5.02E-09	5.02E-09	1.24E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A13	LINE	816358.8	826522.9	816319.7	826539.9	14	14.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	2.87E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	5.02E-09	5.02E-09	1.24E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A14	LINE	816319.7	826539.9	816280.7	826548.2	14	12.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	2.87E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	5.02E-09	5.02E-09	1.24E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A15	LINE	816280.7	826548.2	816220	826555.8	15.5	9.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.59E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	4.54E-09	4.54E-09	1.12E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A16	LINE	816220	826555.8	816174.5	826569.4	15.5	7.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.59E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	4.54E-09	4.54E-09	1.12E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A17	LINE	816174.5	826569.4	816141.5	826584.9	15.5	6	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.59E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	4.54E-09	4.54E-09	1.12E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00
HCP25	Route B	HCP25_B01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B07	LINE	816609.9	826273.5	816621.7	826291.6	10.5	7.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	8.28E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	1.45E-09	1.45E-09	3.57E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B08	LINE	816621.7	826291.6	816694.1	826351.9	10.5	9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	8.28E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	1.45E-09	1.45E-09	3.57E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B09	LINE	816694.1	826351.9	816766.5	826412.3	10.5	17.9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	8.28E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	1.45E-09	1.45E-09	3.57E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B10	LINE	816766.5	826412.3	816772.4	826418.6	12.5	21.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B11	LINE	816772.4	826418.6	816794.3	826453.5	12.5	22.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B12	LINE	816794.3	826453.5	816840.6	826510	12.5	26.6	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B13	LINE	816840.6	826510	816857.4	826537.7	12.5	32.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B14	LINE	816857.4	826537.7	816869.8	826547.8	12.5	35	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B15	LINE	816869.8	826547.8	816877.5	826550.4	12.5	35.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B16	LINE	816877.5	826550.4	816889.9	826554.5	12.5	36.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B17	LINE	816889.9	826554.5	816907.3	826552.3	12.5	38.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B18	LINE	816907.3	826552.3	816946.7	826538.7	12.5	42.2	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B19	LINE	816946.7	826538.7	816966.3	826529.7	12.5	45.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B20	LINE	816966.3	826529.7	816975.2	826520.7	12.5	46.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B21	LINE	816975.2	826520.7	816981.5	826510.3	12.5	47.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B22	LINE	816981.5	826510.3	816985.3	826492.4	12.5	48	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B23	LINE	816985.3	826492.4	816986.1	826473.2	12.5	48.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B24	LINE	816986.1	826473.2	816992.6	826459	12.5	48.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B25	LINE	816992.6	826459	817003.4	826446.5	12.5	48.6	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B26	LINE	817003.4	826446.5	817008.1	826444.1	12.5	48.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
HCP25	Route C	HCP25_C01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C02	LINE	816547.5	826270.7	816565.1	826254.1	12	4.9	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C03	LINE	816565.1	826254.1	816573.5	826250	12	5.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C07	LINE	816609.9	826273.5	816617.8	826275.9	12	6.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C08	LINE	816617.8	826275.9	816624.8	826274.8	12	6.4	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C09	LINE	816624.8	826274.8	816677.4	826214.6	12	7.2	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C10	LINE	816677.4	826214.6	816730	826154.3	12	9	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C11	LINE	816730	826154.3	816769	826120.4	12	10.8	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C12	LINE	816769	826120.4	816808	826103	12	11.7	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C13	LINE	816808	826103	816871	826093.1	12	12.2	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C14	LINE	816871	826093.1	816965.9	826085.3	12	11.8	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C15	LINE	816965.9	826085.3	817060.8	826077.5	12	11.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C16	LINE	817060.8	826077.5	817119.6	826069.6	12	10.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
HCP25	Access road	HCP25_AC01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	2.12E-07	2.84E-07	2.83E-07	2.83E-07	2.83E-07	2.82E-07	2.80E-07	2.81E-07	2.81E-07	1.38E-07	1.38E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	2.12E-07	2.84E-07	2.83E-07	2.83E-07	2.83E-07	2.82E-07	2.80E-07	2.81E-07	2.81E-07	1.38E-07	1.38E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	2.12E-07	2.84E-07	2.83E-07	2.83E-07	2.83E-07	2.82E-07	2.80E-07	2.81E-07	2.81E-07	1.38E-07	1.38E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	2.12E-07	2.84E-07	2.83E-07	2.83E-07	2.83E-07	2.82E-07	2.80E-07	2.81E-07	2.81E-07	1.38E-07	1.38E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	2.12E-07	2.84E-07	2.83E-07	2.83E-07	2.83E-07	2.82E-07	2.80E-07	2.81E-07	2.81E-07	1.38E-07	1.38E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-07	2.12E-07	2.84E-07	2.83E-07	2.83E-07	2.83E-07	2.82E-07	2.80E-07	2.81E-07	2.81E-07	1.38E-07	1.38E-07	2.83E-07	2.83E-07	0.00E+00	0.00E+00	0.00E+00

Note:
1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Carpark near Tsing Ying Road**	HCP25_01	AREAPOLY	816554.6	826305.2	4.1	3.9	210.5	816554.6 826305.2 816541.6 826291.9 816533.4 826299.6 816546.7 826313.1 816554.6 826305.2	5	3.64	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-08	8.65E-08	9.21E-08	9.19E-08	9.18E-08	9.18E-08	9.15E-08	9.10E-08	9.13E-08	9.13E-08	4.45E-08	4.45E-08	9.30E-08	9.29E-08	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

Line Source Area/Polyarea/Line

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Route A**	HCP25_A01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A07	LINE	816609.9	826273.5	816608.3	826279.9	13	6.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.52E-08	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	2.66E-09	2.66E-09	6.56E-09	6.56E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A08	LINE	816608.3	826279.9	816545.1	826351.8	13	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.52E-08	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	2.66E-09	2.66E-09	6.56E-09	6.56E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A09	LINE	816545.1	826351.8	816493.6	826405.2	13	10.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.52E-08	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	2.66E-09	2.66E-09	6.56E-09	6.56E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A10	LINE	816493.6	826405.2	816455.2	826439.8	13	13.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.52E-08	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	2.66E-09	2.66E-09	6.56E-09	6.56E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A11	LINE	816455.2	826439.8	816396.5	826494.3	14	15.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	1.41E-08	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	2.47E-09	2.47E-09	6.10E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A12	LINE	816396.5	826494.3	816358.8	826522.9	14	15.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	1.41E-08	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	2.47E-09	2.47E-09	6.10E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A13	LINE	816358.8	826522.9	816319.7	826539.9	14	14.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	1.41E-08	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	2.47E-09	2.47E-09	6.10E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A14	LINE	816319.7	826539.9	816280.7	826548.2	14	12.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	1.41E-08	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	2.47E-09	2.47E-09	6.10E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A15	LINE	816280.7	826548.2	816220	826555.8	15.5	9.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.28E-08	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	2.23E-09	2.23E-09	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A16	LINE	816220	826555.8	816174.5	826569.4	15.5	7.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.28E-08	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	2.23E-09	2.23E-09	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A17	LINE	816174.5	826569.4	816141.5	826584.9	15.5	6	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.28E-08	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	2.23E-09	2.23E-09	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route B**	HCP25_B01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B07	LINE	816609.9	826273.5	816621.7	826291.6	10.5	7.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	4.08E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	7.14E-10	7.14E-10	1.76E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B08	LINE	816621.7	826291.6	816694.1	826351.9	10.5	9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	4.08E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	7.14E-10	7.14E-10	1.76E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B09	LINE	816694.1	826351.9	816766.5	826412.3	10.5	17.9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	4.08E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	7.14E-10	7.14E-10	1.76E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B10	LINE	816766.5	826412.3	816772.4	826418.6	12.5	21.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B11	LINE	816772.4	826418.6	816794.3	826453.5	12.5	22.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B12	LINE	816794.3	826453.5	816840.6	826510	12.5	26.6	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B13	LINE	816840.6	826510	816857.4	826537.7	12.5	32.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B14	LINE	816857.4	826537.7	816869.8	826547.8	12.5	35	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B15	LINE	816869.8	826547.8	816877.5	826550.4	12.5	35.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B16	LINE	816877.5	826550.4	816889.9	826554.5	12.5	36.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B17	LINE	816889.9	826554.5	816907.3	826552.3	12.5	38.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B18	LINE	816907.3	826552.3	816946.7	826538.7	12.5	42.2	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B19	LINE	816946.7	826538.7	816966.3	826529.7	12.5	45.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B20	LINE	816966.3	826529.7	816975.2	826520.7	12.5	46.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B21	LINE	816975.2	826520.7	816981.5	826510.3	12.5	47.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B22	LINE	816981.5	826510.3	816985.3	826492.4	12.5	48	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B23	LINE	816985.3	826492.4	816986.1	826473.2	12.5	48.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B24	LINE	816986.1	826473.2	816992.6	826459	12.5	48.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B25	LINE	816992.6	826459	817003.4	826446.5	12.5	48.6	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B26	LINE	817003.4	826446.5	817008.1	826444.1	12.5	48.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route C**	HCP25_C01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C02	LINE	816547.5	826270.7	816565.1	826254.1	12	4.9	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C03	LINE	816565.1	826254.1	816573.5	826250	12	5.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C07	LINE	816609.9	826273.5	816617.8	826275.9	12	6.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C08	LINE	816617.8	826275.9	816624.8	826274.8	12	6.4	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C09	LINE	816624.8	826274.8	816677.4	826214.6	12	7.2	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C10	LINE	816677.4	826214.6	816730	826154.3	12	9	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C11	LINE	816730	826154.3	816769	826120.4	12	10.8	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C12	LINE	816769	826120.4	816808	826103	12	11.7	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C13	LINE	816808	826103	816871	826093.1	12	12.2	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C14	LINE	816871	826093.1	816965.9	826085.3	12	11.8	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C15	LINE	816965.9	826085.3	817060.8	826077.5	12	11.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C16	LINE	817060.8	826077.5	817119.6	826069.6	12	10.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
HCP25	**Access road**	HCP25_AC01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.04E-07	1.40E-07	1.39E-07	1.39E-07	1.39E-07	1.39E-07	1.38E-07	1.39E-07	1.39E-07	6.82E-08	6.81E-08	1.39E-07	1.39E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.04E-07	1.40E-07	1.39E-07	1.39E-07	1.39E-07	1.39E-07	1.38E-07	1.39E-07	1.39E-07	6.82E-08	6.81E-08	1.39E-07	1.39E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.04E-07	1.40E-07	1.39E-07	1.39E-07	1.39E-07	1.39E-07	1.38E-07	1.39E-07	1.39E-07	6.82E-08	6.81E-08	1.39E-07	1.39E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.04E-07	1.40E-07	1.39E-07	1.39E-07	1.39E-07	1.39E-07	1.38E-07	1.39E-07	1.39E-07	6.82E-08	6.81E-08	1.39E-07	1.39E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.04E-07	1.40E-07	1.39E-07	1.39E-07	1.39E-07	1.39E-07	1.38E-07	1.39E-07	1.39E-07	6.82E-08	6.81E-08	1.39E-07	1.39E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	1.04E-07	1.40E-07	1.39E-07	1.39E-07	1.39E-07	1.39E-07	1.38E-07	1.39E-07	1.39E-07	6.82E-08	6.81E-08	1.39E-07	1.39E-07	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Carpark near Tsing Ying Road**	HCP25_01	AREAPOLY	816554.6	826305.2	4.1	3.9	210.5	816554.6 826305.2 816541.6 826291.9 816533.4 826299.6 816546.7 826313.1 816554.6 826305.2	5	3.64	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-08	4.26E-08	4.53E-08	4.53E-08	4.52E-08	4.52E-08	4.50E-08	4.48E-08	4.50E-08	4.50E-08	2.19E-08	2.19E-08	4.58E-08	4.57E-08	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Annex – 7b

Emission Inventory for HGV/ Coach Parking
(So Kwun Wat, Siu Lam and Tai Lam, Tsing Lung Tau and North Lantau Areas, Year 2048, Short Term)

HCP17 - PC

Routing (m)				
Starting inside PTI/ Carpark [1]	65	100%	Bypass route	0
Starting on Public Road	0	0%	Running inside PTI/ Carpark [1]	135
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	0			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	0

INDEX

Vehicle Type: PC - Petrol 1

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9		1						1											
9	10				1															
10	11		1	1				1	1											
11	12		1																	
12	13			1		1			1		1									1
13	14		1	1																
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0.00E+00	0.00E+00	2.58E-06	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	1.33E-06	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	1.28E-06	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-08	6.39E-07	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	5.10E-06	4.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-07	2.61E-06	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	1.28E-06	1.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-08	6.11E-07	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	6.30E-06	6.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	3.39E-06	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	2.56E-06	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-07	1.22E-06	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17_PC	Carpark near Castle Peak Road - Tsing Lung Tau	HCP17_P_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-08	1.40E-08	5.75E-08	1.34E-08	7.46E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17_PC	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_P_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-09	7.43E-10	3.03E-09	7.18E-10	3.92E-09	1.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP17

INDEX

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			1
3	4																			1
4	5																			1
5	6																			1
6	7																			1
7	8																			1
8	9																			1
9	10																			
10	11																			
11	12																			1
12	13																			
13	14								1											
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Routing (m)				
Starting inside PTI/ Carpark [1]	65	9%	Bypass route	0
Starting on Public Road	635	91%	Running inside PTI/ Carpark [1]	135
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	1.09E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.39E-05	3.39E-05	0.00E+00	3.31E-04
4	0.00E+00	0.00E+00	1.09E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.39E-05	3.39E-05	0.00E+00	3.31E-04
5	0.00E+00	0.00E+00	1.09E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.39E-05	3.39E-05	0.00E+00	3.31E-04
6	0.00E+00	0.00E+00	1.09E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.38E-05	3.39E-05	0.00E+00	3.31E-04
7	0.00E+00	0.00E+00	1.09E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.39E-05	3.39E-05	0.00E+00	3.31E-04
8	0.00E+00	0.00E+00	1.09E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.38E-05	3.39E-05	0.00E+00	3.31E-04
9	0.00E+00	0.00E+00	1.10E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.39E-05	3.39E-05	0.00E+00	3.31E-04
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	1.10E-04	6.88E-05	0.00E+00	6.72E-04	0.00E+00	0.00E+00	5.42E-05	3.39E-05	0.00E+00	3.31E-04
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	1.10E-04	1.76E-05	0.00E+00	1.72E-04	0.00E+00	0.00E+00	5.41E-05	8.68E-06	0.00E+00	8.48E-05
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INDEX

Vehicle Type: LGV4 - Diesel 4

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			
8	9																			
9	10																			
10	11																			
11	12																			
12	13																			
13	14			1																
14	15																			
15	16																			
16	17																			
17	18																			
18	19																			
19	20																			
20	21																			
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Routing (m)				
Starting inside PTI/ Carpark [1]	65	9%	Bypass route	0
Starting on Public Road	635	91%	Running inside PTI/ Carpark [1]	135
Access Road - Arrival	0	0%		
Access Road - Departure	0			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	0.00E+00	0.00E+00	6.11E-05	2.06E-08	0.00E+00	2.02E-07	0.00E+00	0.00E+00	3.79E-06	0.00E+00	0.00E+00	0.00E+00
15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

Line Source

PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	Route A	HCP17_A01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A04	LINE	821729.4	824294.7	821673.8	824273.7	12.5	16.1	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A05	LINE	821673.8	824273.7	821619.2	824249.3	12.5	15.5	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A06	LINE	821619.2	824249.3	821564.6	824224.9	12.5	14.9	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A09	LINE	821542.2	824210.7	821530.6	824205.7	12	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A10	LINE	821530.6	824205.7	821485	824180	12	14.6	1.7	1.58	52%	0.00E+00	0.00E+00	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A11	LINE	821485.8	824178.7	821405.3	824142.5	9	14.8	8.5	0	52%	0.00E+00	0.00E+00	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	0.00E+00	0.00E+00	6.13E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A12	LINE	821405.3	824142.5	821351	824121	9	16.1	8.5	0	52%	0.00E+00	0.00E+00	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	0.00E+00	0.00E+00	6.13E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A13	LINE	821351	824121	821295.4	824107.1	9	17.4	8.5	0	52%	0.00E+00	0.00E+00	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	6.13E-08	0.00E+00	0.00E+00	6.13E-08	0.00E+00	1.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A14	LINE	821295.2	824108.2	821246	824096.2	12	17.5	1.7	1.58	52%	0.00E+00	0.00E+00	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	4.59E-08	0.00E+00	0.00E+00	4.59E-08	0.00E+00	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A15	LINE	821246	824096.2	821203.7	824086.5	12.5	17	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A16	LINE	821203.7	824086.5	821182.6	824083	12.5	16.2	1.7	1.58	52%	0.00E+00	0.00E+00	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	4.41E-08	0.00E+00	0.00E+00	4.41E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP17	Route B	HCP17_B01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B04	LINE	821729.4	824294.7	821673.4	824273.5	12.5	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B05	LINE	821673.4	824273.5	821619	824249.2	12.5	15.5	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B06	LINE	821619	824249.2	821564.6	824224.9	12.5	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	4.07E-08	0.00E+00	0.00E+00	4.07E-08	0.00E+00	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B09	LINE	821542.2	824210.7	821533.3	824218.3	15	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B10	LINE	821533.3	824218.3	821529.5	824228	15	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B11	LINE	821529.5	824228	821538.3	824240.8	15	14.6	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B12	LINE	821538.3	824240.8	821553	824241.2	15	14.8	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B13	LINE	821553	824241.2	821562.2	824237.7	15	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B14	LINE	821562.2	824237.7	821631.1	824265.6	15	15.3	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B15	LINE	821631.1	824265.6	821699.9	824293.6	15	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B16	LINE	821699.9	824293.6	821756	824311.5	15	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	0.00E+00	3.39E-08	0.00E+00	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B17	LINE	821756	824311.5	821832.6	824334.1	13.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B18	LINE	821832.6	824334.1	821866.5	824341.2	13.5	15.4	1.7	1.58	48%	0.00E+00	0.00E+00	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	3.77E-08	0.00E+00	0.00E+00	3.77E-08	0.00E+00	9.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height [2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	1.88E-07	1.88E-07	1.87E-07	1.87E-07	1.87E-07	1.87E-07	1.88E-07	0.00E+00	0.00E+00	1.88E-07	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

PTI ID	Route	Source ID	Type	Line Source								Hourly Emission Rate (g/s or g/s/sq. m)																							
				X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing																								
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	Route A	HCP17_A01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A04	LINE	821729.4	824294.7	821673.8	824273.7	12.5	16.1	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A05	LINE	821673.8	824273.7	821619.2	824249.3	12.5	15.5	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A06	LINE	821619.2	824249.3	821564.6	824224.9	12.5	14.9	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A09	LINE	821542.2	824210.7	821530.6	824205.7	12	14.4	1.7	1.58	52%	0.00E+00	0.00E+00	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A10	LINE	821530.6	824205.7	821485	824180	12	14.6	1.7	1.58	52%	0.00E+00	0.00E+00	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A11	LINE	821485.8	824178.7	821405.3	824142.5	9	14.8	8.5	0	52%	0.00E+00	0.00E+00	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A12	LINE	821405.3	824142.5	821351	824121	9	16.1	8.5	0	52%	0.00E+00	0.00E+00	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A13	LINE	821351	824121	821295.4	824107.1	9	17.4	8.5	0	52%	0.00E+00	0.00E+00	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	3.02E-08	0.00E+00	0.00E+00	3.02E-08	0.00E+00	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A14	LINE	821295.2	824108.2	821246	824096.2	12	17.5	1.7	1.58	52%	0.00E+00	0.00E+00	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	2.26E-08	0.00E+00	0.00E+00	2.26E-08	0.00E+00	5.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A15	LINE	821246	824096.2	821203.7	824086.5	12.5	17	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_A16	LINE	821203.7	824086.5	821182.6	824083	12.5	16.2	1.7	1.58	52%	0.00E+00	0.00E+00	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	2.17E-08	0.00E+00	0.00E+00	2.17E-08	0.00E+00	5.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HCP17	Route B	HCP17_B01	LINE	821771.3	824290.3	821768.1	824288.4	12.5	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B02	LINE	821768.1	824288.4	821742.2	824295.1	12.5	16.6	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B03	LINE	821742.2	824295.1	821729.4	824294.7	12.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B04	LINE	821729.4	824294.7	821673.4	824273.5	12.5	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B05	LINE	821673.4	824273.5	821619	824249.2	12.5	15.5	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B06	LINE	821619	824249.2	821564.6	824224.9	12.5	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B07	LINE	821564.6	824224.9	821552.8	824213.9	12.5	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B08	LINE	821552.8	824213.9	821542.2	824210.7	12.5	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	2.01E-08	0.00E+00	0.00E+00	2.01E-08	0.00E+00	5.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B09	LINE	821542.2	824210.7	821533.3	824218.3	15	14.4	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B10	LINE	821533.3	824218.3	821529.5	824228	15	14.5	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B11	LINE	821529.5	824228	821538.3	824240.8	15	14.6	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B12	LINE	821538.3	824240.8	821553	824241.2	15	14.8	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B13	LINE	821553	824241.2	821562.2	824237.7	15	14.9	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B14	LINE	821562.2	824237.7	821631.1	824265.6	15	15.3	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B15	LINE	821631.1	824265.6	821699.9	824293.6	15	16.1	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B16	LINE	821699.9	824293.6	821756	824311.5	15	16.8	1.7	1.58	48%	0.00E+00	0.00E+00	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	1.67E-08	0.00E+00	0.00E+00	1.67E-08	0.00E+00	4.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B17	LINE	821756	824311.5	821832.6	824334.1	13.5	16.4	1.7	1.58	48%	0.00E+00	0.00E+00	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		HCP17_B18	LINE	821832.6	824334.1	821866.5	824341.2	13.5	15.4	1.7	1.58	48%	0.00E+00	0.00E+00	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	1.86E-08	0.00E+00	0.00E+00	1.86E-08	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height [2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz) [3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP17	**Carpark near Castle Peak Road - Tsing Lung Tau**	HCP17_01	AREAPOLY	821778.7	824298.1	17.1	2.6	950.3	821778.7 824298.1 821839.8 824315.2 821842.5 824308.8 821828.9 824298.1 821819.4 824293.0 821806.7 824288.7 821794.4 824287.1 821784.6 824287.5 821775.7 824289.1 821767.3 824291.4 821778.7 824298.1	11	2.37	0.00E+00	0.00E+00	9.23E-08	9.24E-08	9.23E-08	9.22E-08	9.23E-08	9.22E-08	9.24E-08	0.00E+00	0.00E+00	9.27E-08	0.00E+00	7.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

HCP25

INDEX

Routing (m)				
Starting inside PTI/ Carpark [1]	10	1%	Bypass route	0
Starting on Public Road	585	84%	Running inside PTI/ Carpark [1]	10
Access Road - Arrival	105	15%		
Access Road - Departure	105			
Total Distance	700			

Note: 1. The longest route within each parking site/ depot is used for assessment.

Idling time (min)	
Bypass	0
Terminating	0
Max Adjustment	1

Vehicle Type: NFB8 13

Day: 1

Hour		No. of Trip[1]																	
Start	End	0	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0	1																			
1	2																			
2	3																			
3	4																			
4	5																			
5	6																			
6	7																			
7	8																			1
8	9																			1
9	10						1		1											
10	11						1		1											
11	12						1		1											
12	13						1		1											
13	14						1		1											
14	15						1		1											
15	16						1		1											
16	17						1		1											
17	18							1												
18	19							1												
19	20							1	1											
20	21							1	1											
21	22																			
22	23																			
23	0																			

Note: 1. No. of trips at different soaking times for all vehicles in existing HGV/ Coach Parking/ depot are derived from site survey

Hour	Temperature	Relative Humidity
0 to 8760	°C	%
1	8	25
2	7	24
3	7	24
4	6	25
5	6	26
6	7	26
7	6	26
8	7	26
9	7	23
10	8	22
11	8	22
12	8	16
13	9	19
14	8	18
15	8	19
16	8	20
17	8	22
18	8	22
19	8	25
20	8	26
21	8	27
22	8	26
23	8	30
24	8	29

Hour	Residual Nox (g/s)						Initial NO2 (g/s)					
	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road	Idling (Bypass)	Idling (Terminating)	Running within PTI/ Carpark	Start inside PTI/ Carpark	Start and Run on Access Road	Start on Public Road
8760												
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	0.00E+00	0.00E+00	8.09E-06	1.06E-05	2.81E-04	6.19E-04	0.00E+00	0.00E+00	3.98E-06	5.21E-06	1.38E-04	3.05E-04
9	0.00E+00	0.00E+00	8.11E-06	1.06E-05	2.81E-04	6.19E-04	0.00E+00	0.00E+00	3.99E-06	5.21E-06	1.39E-04	3.05E-04
10	0.00E+00	0.00E+00	1.62E-05	4.10E-06	3.84E-04	2.40E-04	0.00E+00	0.00E+00	7.99E-06	2.02E-06	1.89E-04	1.18E-04
11	0.00E+00	0.00E+00	1.62E-05	4.10E-06	3.84E-04	2.40E-04	0.00E+00	0.00E+00	7.99E-06	2.02E-06	1.89E-04	1.18E-04
12	0.00E+00	0.00E+00	1.63E-05	4.10E-06	3.86E-04	2.40E-04	0.00E+00	0.00E+00	8.03E-06	2.02E-06	1.90E-04	1.18E-04
13	0.00E+00	0.00E+00	1.62E-05	4.10E-06	3.84E-04	2.40E-04	0.00E+00	0.00E+00	8.00E-06	2.02E-06	1.89E-04	1.18E-04
14	0.00E+00	0.00E+00	1.63E-05	4.10E-06	3.85E-04	2.40E-04	0.00E+00	0.00E+00	8.02E-06	2.02E-06	1.90E-04	1.18E-04
15	0.00E+00	0.00E+00	1.63E-05	4.10E-06	3.85E-04	2.40E-04	0.00E+00	0.00E+00	8.01E-06	2.02E-06	1.89E-04	1.18E-04
16	0.00E+00	0.00E+00	1.62E-05	4.10E-06	3.84E-04	2.40E-04	0.00E+00	0.00E+00	8.00E-06	2.02E-06	1.89E-04	1.18E-04
17	0.00E+00	0.00E+00	1.62E-05	4.10E-06	3.84E-04	2.40E-04	0.00E+00	0.00E+00	7.99E-06	2.02E-06	1.89E-04	1.18E-04
18	0.00E+00	0.00E+00	8.11E-06	1.85E-06	1.90E-04	1.08E-04	0.00E+00	0.00E+00	3.99E-06	9.12E-07	9.34E-05	5.33E-05
19	0.00E+00	0.00E+00	8.08E-06	1.85E-06	1.89E-04	1.08E-04	0.00E+00	0.00E+00	3.98E-06	9.12E-07	9.32E-05	5.33E-05
20	0.00E+00	0.00E+00	1.61E-05	4.56E-06	3.87E-04	2.67E-04	0.00E+00	0.00E+00	7.95E-06	2.25E-06	1.91E-04	1.31E-04
21	0.00E+00	0.00E+00	1.61E-05	4.56E-06	3.87E-04	2.67E-04	0.00E+00	0.00E+00	7.94E-06	2.25E-06	1.90E-04	1.31E-04
22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Road)

						Line Source					Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Route A**	HCP25_A01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-08	3.35E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	5.86E-09	5.86E-09	1.44E-08	1.44E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A07	LINE	816609.9	826273.5	816608.3	826279.9	13	6.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	3.09E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	5.41E-09	5.41E-09	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A08	LINE	816608.3	826279.9	816545.1	826351.8	13	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	3.09E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	5.41E-09	5.41E-09	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A09	LINE	816545.1	826351.8	816493.6	826405.2	13	10.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	3.09E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	5.41E-09	5.41E-09	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A10	LINE	816493.6	826405.2	816455.2	826439.8	13	13.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-08	3.09E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	1.20E-08	5.41E-09	5.41E-09	1.33E-08	1.33E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A11	LINE	816455.2	826439.8	816396.5	826494.3	14	15.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	2.87E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	5.02E-09	5.02E-09	1.24E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A12	LINE	816396.5	826494.3	816358.8	826522.9	14	15.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	2.87E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	5.02E-09	5.02E-09	1.24E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A13	LINE	816358.8	826522.9	816319.7	826539.9	14	14.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	2.87E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	5.02E-09	5.02E-09	1.24E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A14	LINE	816319.7	826539.9	816280.7	826548.2	14	12.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-08	2.87E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	1.11E-08	5.02E-09	5.02E-09	1.24E-08	1.24E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A15	LINE	816280.7	826548.2	816220	826555.8	15.5	9.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.59E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	4.54E-09	4.54E-09	1.12E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A16	LINE	816220	826555.8	816174.5	826569.4	15.5	7.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.59E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	4.54E-09	4.54E-09	1.12E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_A17	LINE	816174.5	826569.4	816141.5	826584.9	15.5	6	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-08	2.59E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	1.00E-08	4.54E-09	4.54E-09	1.12E-08	1.12E-08	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route B**	HCP25_B01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-09	7.25E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	2.81E-09	1.27E-09	1.27E-09	3.13E-09	3.13E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B07	LINE	816609.9	826273.5	816621.7	826291.6	10.5	7.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	8.28E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	1.45E-09	1.45E-09	3.57E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B08	LINE	816621.7	826291.6	816694.1	826351.9	10.5	9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	8.28E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	1.45E-09	1.45E-09	3.57E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B09	LINE	816694.1	826351.9	816766.5	826412.3	10.5	17.9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-09	8.28E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	3.21E-09	1.45E-09	1.45E-09	3.57E-09	3.57E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B10	LINE	816766.5	826412.3	816772.4	826418.6	12.5	21.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B11	LINE	816772.4	826418.6	816794.3	826453.5	12.5	22.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B12	LINE	816794.3	826453.5	816840.6	826510	12.5	26.6	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B13	LINE	816840.6	826510	816857.4	826537.7	12.5	32.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B14	LINE	816857.4	826537.7	816869.8	826547.8	12.5	35	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B15	LINE	816869.8	826547.8	816877.5	826550.4	12.5	35.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B16	LINE	816877.5	826550.4	816889.9	826554.5	12.5	36.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B17	LINE	816889.9	826554.5	816907.3	826552.3	12.5	38.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B18	LINE	816907.3	826552.3	816946.7	826538.7	12.5	42.2	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B19	LINE	816946.7	826538.7	816966.3	826529.7	12.5	45.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B20	LINE	816966.3	826529.7	816975.2	826520.7	12.5	46.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B21	LINE	816975.2	826520.7	816981.5	826510.3	12.5	47.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B22	LINE	816981.5	826510.3	816985.3	826492.4	12.5	48	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B23	LINE	816985.3	826492.4	816986.1	826473.2	12.5	48.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B24	LINE	816986.1	826473.2	816992.6	826459	12.5	48.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B25	LINE	816992.6	826459	817003.4	826446.5	12.5	48.6	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B26	LINE	817003.4	826446.5	817008.1	826444.1	12.5	48.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-09	6.96E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	2.70E-09	1.22E-09	1.22E-09	3.00E-09	3.00E-09	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route C**	HCP25_C01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C02	LINE	816547.5	826270.7	816565.1	826254.1	12	4.9	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C03	LINE	816565.1	826254.1	816573.5	826250	12	5.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C07	LINE	816609.9	826273.5	816617.8	826275.9	12	6.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C08	LINE	816617.8	826275.9	816624.8	826274.8	12	6.4	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C09	LINE	816624.8	826274.8	816677.4	826214.6	12	7.2	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C10	LINE	816677.4	826214.6	816730	826154.3	12	9	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C11	LINE	816730	826154.3	816769	826120.4	12	10.8	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C12	LINE	816769	826120.4	816808	826103	12	11.7	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C13	LINE	816808	826103	816871	826093.1	12	12.2	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C14	LINE	816871	826093.1	816965.9	826085.3	12	11.8	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C15	LINE	816965.9	826085.3	817060.8	826077.5	12	11.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
		HCP25_C16	LINE	817060.8	826077.5	817119.6	826069.6	12	10.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-08	3.40E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	5.96E-09	5.96E-09	1.47E-08	1.47E-08	0.00E+00	0.00E+00	0.00E+00
HCP25	**Access road**	HCP25_AC01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	2.20E-07	2.99E-07	2.99E-07	3.01E-07	3.00E-07	3.00E-07	3.00E-07	3.00E-07	2.99E-07	1.48E-07	1.48E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	2.20E-07	2.99E-07	2.99E-07	3.01E-07	3.00E-07	3.00E-07	3.00E-07	3.00E-07	2.99E-07	1.48E-07	1.48E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	2.20E-07	2.99E-07	2.99E-07	3.01E-07	3.00E-07	3.00E-07	3.00E-07	3.00E-07	2.99E-07	1.48E-07	1.48E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	2.20E-07	2.99E-07	2.99E-07	3.01E-07	3.00E-07	3.00E-07	3.00E-07	3.00E-07	2.99E-07	1.48E-07	1.48E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	2.20E-07	2.99E-07	2.99E-07	3.01E-07	3.00E-07	3.00E-07	3.00E-07	3.00E-07	2.99E-07	1.48E-07	1.48E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-07	2.20E-07	2.99E-07	2.99E-07	3.01E-07	3.00E-07	3.00E-07	3.00E-07	3.00E-07	2.99E-07	1.48E-07	1.48E-07	3.02E-07	3.02E-07	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Residual Nox - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Carpark near Tsing Ying Road**	HCP25_01	AREAPOLY	816554.6	826305.2	4.1	3.9	210.5	816554.6 826305.2 816541.6 826291.9 816533.4 826299.6 816546.7 826313.1 816554.6 826305.2	5	3.64	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-08	8.88E-08	9.65E-08	9.65E-08	9.70E-08	9.66E-08	9.68E-08	9.67E-08	9.67E-08	9.65E-08	4.73E-08	4.72E-08	9.84E-08	9.83E-08	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Road)

						Line Source					Area/Polyarea/Line																									
PTI ID	Route	Source ID	Type	X	Y	X2	Y2	Width	Base Elevation	Release Height [1]	Initial Vertical Dim [2]	Percentage of Routing	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	%	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Route A**	HCP25_A01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-08	1.65E-08	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	6.39E-09	2.89E-09	2.89E-09	7.11E-09	7.11E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A07	LINE	816609.9	826273.5	816608.3	826279.9	13	6.4	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.52E-08	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	2.66E-09	2.66E-09	6.56E-09	6.56E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A08	LINE	816608.3	826279.9	816545.1	826351.8	13	7	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.52E-08	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	2.66E-09	2.66E-09	6.56E-09	6.56E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A09	LINE	816545.1	826351.8	816493.6	826405.2	13	10.5	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.52E-08	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	2.66E-09	2.66E-09	6.56E-09	6.56E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A10	LINE	816493.6	826405.2	816455.2	826439.8	13	13.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	1.52E-08	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	5.90E-09	2.66E-09	2.66E-09	6.56E-09	6.56E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A11	LINE	816455.2	826439.8	816396.5	826494.3	14	15.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	1.41E-08	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	2.47E-09	2.47E-09	6.10E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A12	LINE	816396.5	826494.3	816358.8	826522.9	14	15.2	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	1.41E-08	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	2.47E-09	2.47E-09	6.10E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A13	LINE	816358.8	826522.9	816319.7	826539.9	14	14.3	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	1.41E-08	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	2.47E-09	2.47E-09	6.10E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A14	LINE	816319.7	826539.9	816280.7	826548.2	14	12.1	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-08	1.41E-08	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	5.48E-09	2.47E-09	2.47E-09	6.10E-09	6.10E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A15	LINE	816280.7	826548.2	816220	826555.8	15.5	9.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.28E-08	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	2.23E-09	2.23E-09	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A16	LINE	816220	826555.8	816174.5	826569.4	15.5	7.8	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.28E-08	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	2.23E-09	2.23E-09	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_A17	LINE	816174.5	826569.4	816141.5	826584.9	15.5	6	1.7	1.58	45%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-08	1.28E-08	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	4.95E-09	2.23E-09	2.23E-09	5.51E-09	5.51E-09	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route B**	HCP25_B01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-09	3.57E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	1.38E-09	6.25E-10	6.25E-10	1.54E-09	1.54E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B07	LINE	816609.9	826273.5	816621.7	826291.6	10.5	7.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	4.08E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	7.14E-10	7.14E-10	1.76E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B08	LINE	816621.7	826291.6	816694.1	826351.9	10.5	9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	4.08E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	7.14E-10	7.14E-10	1.76E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B09	LINE	816694.1	826351.9	816766.5	826412.3	10.5	17.9	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-09	4.08E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	7.14E-10	7.14E-10	1.76E-09	1.76E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B10	LINE	816766.5	826412.3	816772.4	826418.6	12.5	21.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B11	LINE	816772.4	826418.6	816794.3	826453.5	12.5	22.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B12	LINE	816794.3	826453.5	816840.6	826510	12.5	26.6	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B13	LINE	816840.6	826510	816857.4	826537.7	12.5	32.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B14	LINE	816857.4	826537.7	816869.8	826547.8	12.5	35	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B15	LINE	816869.8	826547.8	816877.5	826550.4	12.5	35.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B16	LINE	816877.5	826550.4	816889.9	826554.5	12.5	36.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B17	LINE	816889.9	826554.5	816907.3	826552.3	12.5	38.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B18	LINE	816907.3	826552.3	816946.7	826538.7	12.5	42.2	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B19	LINE	816946.7	826538.7	816966.3	826529.7	12.5	45.3	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B20	LINE	816966.3	826529.7	816975.2	826520.7	12.5	46.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B21	LINE	816975.2	826520.7	816981.5	826510.3	12.5	47.1	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B22	LINE	816981.5	826510.3	816985.3	826492.4	12.5	48	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B23	LINE	816985.3	826492.4	816986.1	826473.2	12.5	48.5	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B24	LINE	816986.1	826473.2	816992.6	826459	12.5	48.7	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B25	LINE	816992.6	826459	817003.4	826446.5	12.5	48.6	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_B26	LINE	817003.4	826446.5	817008.1	826444.1	12.5	48.4	1.7	1.58	10%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-09	3.43E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	1.33E-09	6.00E-10	6.00E-10	1.48E-09	1.48E-09	0.00E+00	0.00E+00	0.00E+00
HCP25	**Route C**	HCP25_C01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C02	LINE	816547.5	826270.7	816565.1	826254.1	12	4.9	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C03	LINE	816565.1	826254.1	816573.5	826250	12	5.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C07	LINE	816609.9	826273.5	816617.8	826275.9	12	6.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C08	LINE	816617.8	826275.9	816624.8	826274.8	12	6.4	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C09	LINE	816624.8	826274.8	816677.4	826214.6	12	7.2	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C10	LINE	816677.4	826214.6	816730	826154.3	12	9	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C11	LINE	816730	826154.3	816769	826120.4	12	10.8	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C12	LINE	816769	826120.4	816808	826103	12	11.7	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C13	LINE	816808	826103	816871	826093.1	12	12.2	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C14	LINE	816871	826093.1	816965.9	826085.3	12	11.8	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C15	LINE	816965.9	826085.3	817060.8	826077.5	12	11.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
		HCP25_C16	LINE	817060.8	826077.5	817119.6	826069.6	12	10.3	1.7	1.58	46%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	1.68E-08	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	6.50E-09	2.93E-09	2.93E-09	7.23E-09	7.23E-09	0.00E+00	0.00E+00	0.00E+00
HCP25	**Access road**	HCP25_AC01	LINE	816548.1	826298.5	816547.5	826270.7	12	4.4	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.08E-07	1.47E-07	1.47E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.47E-07	7.29E-08	7.27E-08	1.49E-07	1.49E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC02	LINE	816547.5	826270.7	816565.6	826253.7	12	4.9	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.08E-07	1.47E-07	1.47E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.47E-07	7.29E-08	7.27E-08	1.49E-07	1.49E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC03	LINE	816565.6	826253.7	816573.5	826250	12	5.3	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.08E-07	1.47E-07	1.47E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.47E-07	7.29E-08	7.27E-08	1.49E-07	1.49E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC04	LINE	816573.5	826250	816584.6	826250.7	12	5.5	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.08E-07	1.47E-07	1.47E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.47E-07	7.29E-08	7.27E-08	1.49E-07	1.49E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC05	LINE	816584.6	826250.7	816596	826258	12	5.7	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.08E-07	1.47E-07	1.47E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.47E-07	7.29E-08	7.27E-08	1.49E-07	1.49E-07	0.00E+00	0.00E+00	0.00E+00
		HCP25_AC06	LINE	816596	826258	816609.9	826273.5	12	6.1	1.7	1.58	100%	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-07	1.08E-07	1.47E-07	1.47E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.48E-07	1.47E-07	7.29E-08	7.27E-08	1.49E-07	1.49E-07	0.00E+00	0.00E+00	0.00E+00

Note:

1. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicles travel on the roads which consist of a combination of light-duty and heavy-duty traffic. A generalized weighted vehicle height of 2.0m for modeling the start emission spreading on public roads outside PTI/carpark has been adopted.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15.

Emission Inventory for PTI, Bus Depot & Coach Parking (Initial NO2 - Within PTI/Carpark)

Area Polygon Source

PTI ID	Description	Source ID	Type[1]	X	Y	Base Elevation	Release Height[2]	Source Area	Source Points String	Number of Points	Vertical Dim. (Sz)[3]	Hourly Emission Rate (g/s or g/s/sq. m)																							
				(m)	(m)	(m)	(m)	(m2)			(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
HCP25	**Carpark near Tsing Ying Road**	HCP25_01	AREAPOLY	816554.6	826305.2	4.1	3.9	210.5	816554.6 826305.2 816541.6 826291.9 816533.4 826299.6 816546.7 826313.1 816554.6 826305.2	5	3.64	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-08	4.37E-08	4.75E-08	4.75E-08	4.78E-08	4.76E-08	4.77E-08	4.76E-08	4.76E-08	4.75E-08	2.33E-08	2.32E-08	4.85E-08	4.84E-08	0.00E+00	0.00E+00	0.00E+00

Note:
1. Since the parking sites are open sites without any forced mechanical ventilation, the carpark is modelled as AREAPOLY with vertical dimension.
2. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, release height = 0.5 x 1.7 x vehicle height. Vehicle height adopted is the weighted average height of vehicles inside the carpark.
3. According to Appendix J of "Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas" issued by USEPA in Nov 2015, initial vertical dimension = 1.7 x vehicle height/ 2.15. Vehicle height adopted is the weighted average height of vehicles inside the carpark.