

Appendix 3.4 Tier 1 Data Input for Year 2013 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	B1	0.000239495	834119.0	817885.8	69.0	36.3	0.0	0.0	Heavy construction (WKCD)
2	Area	B1	0.000002696	834119.0	817885.8	69.0	36.3	0.0	0.0	Wind erosion (WKCD)
3	Area	B2	0.000239495	834113.0	817846.6	81.0	42.0	0.0	0.0	Heavy construction (WKCD)
4	Area	B2	0.000002696	834113.0	817846.6	81.0	42.0	0.0	0.0	Wind erosion (WKCD)
5	Area	B3	0.000239495	834098.7	817803.3	109.5	44.7	0.0	0.0	Heavy construction (WKCD)
6	Area	B3	0.000002696	834098.7	817803.3	109.5	44.7	0.0	0.0	Wind erosion (WKCD)
7	Area	B4	0.000239495	834274.0	817911.2	117.0	24.5	0.0	0.0	Heavy construction (WKCD)
8	Area	B4	0.000002696	834274.0	817911.2	117.0	24.5	0.0	0.0	Wind erosion (WKCD)
9	Area	B5	0.000239495	834271.5	817879.4	207.0	39.0	0.0	0.0	Heavy construction (WKCD)
10	Area	B5	0.000002696	834271.5	817879.4	207.0	39.0	0.0	0.0	Wind erosion (WKCD)
11	Area	B6	0.000239495	834235.0	817830.9	134.0	58.0	0.0	0.0	Heavy construction (WKCD)
12	Area	B6	0.000002696	834235.0	817830.9	134.0	58.0	0.0	0.0	Wind erosion (WKCD)
13	Area	B7	0.000239495	834205.0	817783.4	74.0	37.0	0.0	0.0	Heavy construction (WKCD)
14	Area	B7	0.000002696	834205.0	817783.4	74.0	37.0	0.0	0.0	Wind erosion (WKCD)
15	Area	B8	0.000239495	834412.4	818093.9	86.0	15.0	0.0	34.9	Heavy construction (WKCD)
16	Area	B8	0.000002696	834412.4	818093.9	86.0	15.0	0.0	34.9	Wind erosion (WKCD)
17	Area	B9	0.000239495	834427.0	818148.3	69.0	10.0	0.0	44.2	Heavy construction (WKCD)
18	Area	B9	0.000002696	834427.0	818148.3	69.0	10.0	0.0	44.2	Wind erosion (WKCD)
19	Area	B10	0.000239495	834456.1	818201.7	20.0	19.0	0.0	49.0	Heavy construction (WKCD)
20	Area	B10	0.000002696	834456.1	818201.7	20.0	19.0	0.0	49.0	Wind erosion (WKCD)
21	Area	B11	0.000239495	834473.0	818158.6	55.6	33.5	0.0	-86.0	Heavy construction (WKCD)
22	Area	B11	0.000002696	834473.0	818158.6	55.6	33.5	0.0	-86.0	Wind erosion (WKCD)
23	Area	B12	0.000239495	834644.2	818102.9	96.0	59.7	0.0	4.0	Heavy construction (WKCD)
24	Area	B12	0.000002696	834644.2	818102.9	96.0	59.7	0.0	4.0	Wind erosion (WKCD)
25	Area	B13	0.000239495	834647.9	818042.0	200.0	62.5	0.0	4.0	Heavy construction (WKCD)
26	Area	B13	0.000002696	834647.9	818042.0	200.0	62.5	0.0	4.0	Wind erosion (WKCD)
27	Area	B14	0.000239495	834952.3	818051.5	50.0	47.3	0.0	-86.0	Heavy construction (WKCD)
28	Area	B14	0.000002696	834952.3	818051.5	50.0	47.3	0.0	-86.0	Wind erosion (WKCD)
29	Area	B15	0.000239495	834941.6	818008.1	35.0	20.0	0.0	-86.0	Heavy construction (WKCD)
30	Area	B15	0.000002696	834941.6	818008.1	35.0	20.0	0.0	-86.0	Wind erosion (WKCD)
31	Area	B16	0.000239495	835265.1	818138.2	65.0	31.0	0.0	-86.0	Heavy construction (WKCD)
32	Area	B16	0.000002696	835265.1	818138.2	65.0	31.0	0.0	-86.0	Wind erosion (WKCD)
33	Area	B17	0.000239495	834539.3	818188.9	49.9	9.0	0.0	76.6	Heavy construction (WKCD)
34	Area	B17	0.000002696	834539.3	818188.9	49.9	9.0	0.0	76.6	Wind erosion (WKCD)
35	Area	BB3	0.000239495	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
36	Area	BB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
37	Area	BB4	0.000239495	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
38	Area	BB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
39	Area	BB5	0.000239495	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
40	Area	BB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
41	Point	EP1	0.016666667	835199.6	818095.5	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
42	Point	EP2	0.016666667	835197.6	818087.0	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
43	Point	EP3	0.000229840	835198.7	818094.0	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
44	Point	EP4	0.000229840	835196.5	818085.7	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
45	Point	EP5	0.010833334	835205.4	818088.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
46	Point	EP6	0.010833334	835207.0	818095.3	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
47	Point	EP7	0.010833334	835194.8	818092.4	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
48	Point	EP8	0.010833334	835205.8	818083.0	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
49	Point	EP9	0.001635902	835232.6	818123.4	0.0	0.0	4.0	0.0	Concrete batching plant (XRL)
50	Point	EP10	0.001635902	834584.4	817939.9	0.0	0.0	7.0	0.0	Concrete batching plant (XRL)
51	Area	EP11-1	0.000163385	834978.3	818020.7	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
52	Area	EP11-2	0.000163385	835007.6	818027.3	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
53	Area	EP11-3	0.000163385	835032.4	818033.9	3.0	20.8	0.5	12.7	Haul road to concrete batching plant (XRL)
54	Area	EP11-4	0.000163385	835050.1	818040.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
55	Area	EP11-5	0.000163385	835079.9	818044.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
56	Area	EP11-6	0.000163385	835109.6	818048.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
57	Area	EP11-7	0.000163385	835139.4	818052.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
58	Area	EP11-8	0.000163385	835169.2	818056.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
59	Area	EP11-9	0.000163385	835186.0	818066.7	3.0	30.0	0.5	8.2	Haul road to concrete batching plant (XRL)
60	Area	EP11-10	0.000163385	835219.2	818062.5	3.0	9.1	0.5	8.2	Haul road to concrete batching plant (XRL)
61	Area	EP11-11	0.000163385	835239.5	818023.8	3.0	20.0	0.5	75.6	Haul road to concrete batching plant (XRL)
62	Area	EP11-12	0.000163385	835232.0	818033.9	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (XRL)
63	Area	EP11-13	0.000163385	835229.6	818063.7	3.0	21.7	0.5	96.1	Haul road to concrete batching plant (XRL)
64	Area	EP11-14	0.000163385	835228.9	818089.7	3.0	8.1	0.5	86.3	Haul road to concrete batching plant (XRL)
65	Area	EP11-15	0.000163385	835244.5	818102.7	3.0	30.0	0.5	75.2	Haul road to concrete batching plant (XRL)
66	Area	EP11-16	0.000163385	835241.5	818131.7	3.0	8.2	0.5	75.2	Haul road to concrete batching plant (XRL)
67	Area	EP12-1	0.000142480	834909.9	818016.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
68	Area	EP12-2	0.000142480	834939.8	818019.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
69	Area	EP12-3	0.000142480	834951.0	818024.2	3.0	8.4	0.5	3.0	Haul road to concrete batching plant (XRL)
70	Area	EP12-4	0.000142480	834765.2	817997.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
71	Area	EP12-5	0.000142480	834795.0	818001.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
72	Area	EP12-6	0.000142480	834824.7	818005.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
73	Area	EP12-7	0.000142480	834854.4	818010.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
74	Area	EP12-8	0.000142480	834895.8	818015.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
75	Area	EP12-9	0.000142480	834649.8	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
76	Area	EP12-10	0.000142480	834679.7	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
77	Area	EP12-11	0.000142480	834709.5	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
78	Area	EP12-12	0.000142480	834739.4	817995.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
79	Area	EP12-13	0.000142480	834759.9	817997.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (XRL)
80	Area	EP12-14	0.000142480	834600.6	817981.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
81	Area	EP12-15	0.000142480	834626.0	817984.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (XRL)
82	Area	EP13-1	0.000063499	834897.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
83	Area	EP13-2	0.000063499	834898.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
84	Area	EP13-3	0.000063499	834898.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
85	Area	EP13-4	0.000063499	834899.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
86	Area	EP13-5	0.000063499	834899.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)

Appendix 3.4 Tier 1 Data Input for Year 2013 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
87	Area	EP13-6	0.000063499	834897.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (XRL)
88	Area	EP14-1	0.000008362	835223.4	818149.1	3.0	19.1	0.5	11.6	Haul road to concrete batching plant (XRL)
89	Area	EP14-2	0.000008362	835210.1	818188.3	3.0	21.0	0.5	71.7	Haul road to concrete batching plant (XRL)
90	Area	EP14-3	0.000008362	835204.0	818136.5	3.0	19.3	0.5	13.9	Haul road to concrete batching plant (XRL)
91	Area	EP15-1	0.000039954	835212.7	818158.4	3.0	19.3	0.5	1.8	Haul road to concrete batching plant (XRL)
92	Area	EP15-2	0.000039954	835220.7	818146.6	3.0	19.6	0.5	24.3	Haul road to concrete batching plant (XRL)
93	Area	EP16-1	0.000017038	835211.8	818147.7	3.0	30.0	0.5	13.8	Haul road to concrete batching plant (XRL)
94	Area	EP16-2	0.000017038	835205.7	818187.3	3.0	25.9	0.5	77.2	Haul road to concrete batching plant (XRL)
95	Area	EP17-1	0.000008520	835213.0	818125.9	3.0	19.9	0.5	19.8	Haul road to concrete batching plant (XRL)
96	Area	EP17-2	0.000008520	835195.8	818120.1	3.0	23.0	0.5	15.3	Haul road to concrete batching plant (XRL)
97	Area	EP18-1	0.000061220	834979.0	818017.8	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
98	Area	EP18-2	0.000061220	835008.3	818024.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
99	Area	EP18-3	0.000061220	835032.8	818031.0	3.0	20.5	0.5	12.7	Haul road to concrete batching plant (XRL)
100	Area	EP18-4	0.000061220	835050.5	818037.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
101	Area	EP18-5	0.000061220	835080.3	818041.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
102	Area	EP18-6	0.000061220	835110.0	818045.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
103	Area	EP18-7	0.000061220	835139.8	818049.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
104	Area	EP18-8	0.000061220	835169.5	818053.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
105	Area	EP18-9	0.000061220	835185.0	818063.9	3.0	30.0	0.5	8.3	Haul road to concrete batching plant (XRL)
106	Area	EP18-10	0.000061220	835218.7	818059.5	3.0	11.0	0.5	8.3	Haul road to concrete batching plant (XRL)
107	Area	EP18-11	0.000061220	835243.4	818020.4	3.0	23.2	0.5	75.6	Haul road to concrete batching plant (XRL)
108	Area	EP18-12	0.000061220	835235.0	818033.7	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (XRL)
109	Area	EP18-13	0.000061220	835232.5	818063.5	3.0	22.2	0.5	96.1	Haul road to concrete batching plant (XRL)
110	Area	EP18-14	0.000061220	835232.6	818089.9	3.0	7.0	0.5	86.5	Haul road to concrete batching plant (XRL)
111	Area	EP18-15	0.000061220	834910.3	818013.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
112	Area	EP18-16	0.000061220	834940.1	818016.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
113	Area	EP18-17	0.000061220	834959.7	818019.9	3.0	8.7	0.5	6.0	Haul road to concrete batching plant (XRL)
114	Area	EP19-1	0.000054404	834795.6	817994.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
115	Area	EP19-2	0.000054404	834795.3	817998.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
116	Area	EP19-3	0.000054404	834825.0	818003.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
117	Area	EP19-4	0.000054404	834854.8	818007.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
118	Area	EP19-5	0.000054404	834884.0	818011.1	3.0	12.3	0.5	7.8	Haul road to concrete batching plant (XRL)
119	Area	EP19-6	0.000054404	834650.1	817983.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
120	Area	EP19-7	0.000054404	834680.0	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
121	Area	EP19-8	0.000054404	834709.8	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
122	Area	EP19-9	0.000054404	834739.7	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
123	Area	EP19-10	0.000054404	834760.2	817994.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (XRL)
124	Area	EP19-11	0.000054404	834600.9	817978.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
125	Area	EP19-12	0.000054404	834626.3	817981.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (XRL)
126	Area	EP20-1	0.000023102	834900.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
127	Area	EP20-2	0.000023102	834901.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
128	Area	EP20-3	0.000023102	834901.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
129	Area	EP20-4	0.000023102	834902.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
130	Area	EP20-5	0.000023102	834902.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
131	Area	EP20-6	0.000023102	834900.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (XRL)
132	Area	EP21-1	0.000002727	835222.1	818158.9	3.0	20.1	0.5	31.8	Haul road to concrete batching plant (XRL)
133	Area	EP21-2	0.000002727	835202.8	818136.3	3.0	10.2	0.5	13.9	Haul road to concrete batching plant (XRL)
134	Area	EP22-1	0.000015247	835212.1	818138.2	3.0	19.3	0.5	35.7	Haul road to concrete batching plant (XRL)
135	Area	EP22-2	0.000015247	835219.6	818178.4	3.0	22.3	0.5	55.1	Haul road to concrete batching plant (XRL)
136	Area	EP23-1	0.000003258	835203.7	818113.6	3.0	7.8	0.5	46.4	Haul road to concrete batching plant (XRL)
137	Area	EP23-2	0.000003258	835212.2	818144.1	3.0	15.9	0.5	8.0	Haul road to concrete batching plant (XRL)
138	Area	EP23-3	0.000003258	835195.1	818122.7	3.0	22.9	0.5	9.5	Haul road to concrete batching plant (XRL)
139	Line	HR7A1	0.000193052	834987.0	818125.7	834987.0	817985.7	0.5	6.0	Haul Road to Barging Points (XRL)
140	Line	HR7B	0.000193052	834964.1	817983.2	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (XRL)
141	Line	HR7C	0.000193052	834898.1	818144.6	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (XRL)
142	Line	HR8A	0.000386104	834895.8	817976.0	834764.7	817958.0	0.5	6.0	Haul Road to Barging Points (XRL)
143	Line	HR8B	0.000386104	834767.7	817958.0	834637.5	817945.4	0.5	6.0	Haul Road to Barging Points (XRL)
144	Line	HR9	0.000308884	834637.5	817945.4	834588.3	817940.5	0.5	6.0	Haul Road to Barging Points (XRL)
145	Line	HR10A	0.000231663	834588.3	817940.5	834519.6	817934.4	0.5	6.0	Haul Road to Barging Points (XRL)
146	Line	HR10B	0.000231663	834519.6	817934.4	834425.8	817897.2	0.5	6.0	Haul Road to Barging Points (XRL)
147	Line	HR10C	0.000231663	834425.8	817897.2	834389.4	817855.7	0.5	6.0	Haul Road to Barging Points (XRL)
148	Line	HR11	0.000154442	834389.4	817855.7	834313.9	817770.0	0.5	6.0	Haul Road to Barging Points (XRL)
149	Line	HR12A	0.000077221	834313.9	817770.0	834289.8	817763.6	0.5	6.0	Haul Road to Barging Points (XRL)
150	Point	BP4	0.004266640	834640.0	817930.5	0.0	0.0	0.5	0.0	Barging Point (XRL)
151	Point	BP5	0.004266640	834591.9	817924.7	0.0	0.0	0.5	0.0	Barging Point (XRL)
152	Point	BP6	0.004266640	834397.5	817847.6	0.0	0.0	0.5	0.0	Barging Point (XRL)
153	Point	BP7	0.004266640	834328.6	817755.8	0.0	0.0	0.5	0.0	Barging Point (XRL)

Appendix 3.4 Tier 1 Data Input for Year 2013 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	B1	0.000019879	834119.0	817885.8	69.0	36.3	0.0	0.0	Heavy construction (WKCD)
2	Area	B1	0.000002696	834119.0	817885.8	69.0	36.3	0.0	0.0	Wind erosion (WKCD)
3	Area	B2	0.000019879	834113.0	817846.6	81.0	42.0	0.0	0.0	Heavy construction (WKCD)
4	Area	B2	0.000002696	834113.0	817846.6	81.0	42.0	0.0	0.0	Wind erosion (WKCD)
5	Area	B3	0.000019879	834098.7	817803.3	109.5	44.7	0.0	0.0	Heavy construction (WKCD)
6	Area	B3	0.000002696	834098.7	817803.3	109.5	44.7	0.0	0.0	Wind erosion (WKCD)
7	Area	B4	0.000019879	834274.0	817911.2	117.0	24.5	0.0	0.0	Heavy construction (WKCD)
8	Area	B4	0.000002696	834274.0	817911.2	117.0	24.5	0.0	0.0	Wind erosion (WKCD)
9	Area	B5	0.000019879	834271.5	817879.4	207.0	39.0	0.0	0.0	Heavy construction (WKCD)
10	Area	B5	0.000002696	834271.5	817879.4	207.0	39.0	0.0	0.0	Wind erosion (WKCD)
11	Area	B6	0.000019879	834235.0	817830.9	134.0	58.0	0.0	0.0	Heavy construction (WKCD)
12	Area	B6	0.000002696	834235.0	817830.9	134.0	58.0	0.0	0.0	Wind erosion (WKCD)
13	Area	B7	0.000019879	834205.0	817783.4	74.0	37.0	0.0	0.0	Heavy construction (WKCD)
14	Area	B7	0.000002696	834205.0	817783.4	74.0	37.0	0.0	0.0	Wind erosion (WKCD)
15	Area	B8	0.000019879	834412.4	818093.9	86.0	15.0	0.0	34.9	Heavy construction (WKCD)
16	Area	B8	0.000002696	834412.4	818093.9	86.0	15.0	0.0	34.9	Wind erosion (WKCD)
17	Area	B9	0.000019879	834427.0	818148.3	69.0	10.0	0.0	44.2	Heavy construction (WKCD)
18	Area	B9	0.000002696	834427.0	818148.3	69.0	10.0	0.0	44.2	Wind erosion (WKCD)
19	Area	B10	0.000019879	834456.1	818201.7	20.0	19.0	0.0	49.0	Heavy construction (WKCD)
20	Area	B10	0.000002696	834456.1	818201.7	20.0	19.0	0.0	49.0	Wind erosion (WKCD)
21	Area	B11	0.000019879	834473.0	818158.6	55.6	33.5	0.0	-86.0	Heavy construction (WKCD)
22	Area	B11	0.000002696	834473.0	818158.6	55.6	33.5	0.0	-86.0	Wind erosion (WKCD)
23	Area	B12	0.000019879	834644.2	818102.9	96.0	59.7	0.0	4.0	Heavy construction (WKCD)
24	Area	B12	0.000002696	834644.2	818102.9	96.0	59.7	0.0	4.0	Wind erosion (WKCD)
25	Area	B13	0.000019879	834647.9	818042.0	200.0	62.5	0.0	4.0	Heavy construction (WKCD)
26	Area	B13	0.000002696	834647.9	818042.0	200.0	62.5	0.0	4.0	Wind erosion (WKCD)
27	Area	B14	0.000019879	834952.3	818051.5	50.0	47.3	0.0	-86.0	Heavy construction (WKCD)
28	Area	B14	0.000002696	834952.3	818051.5	50.0	47.3	0.0	-86.0	Wind erosion (WKCD)
29	Area	B15	0.000019879	834941.6	818008.1	35.0	20.0	0.0	-86.0	Heavy construction (WKCD)
30	Area	B15	0.000002696	834941.6	818008.1	35.0	20.0	0.0	-86.0	Wind erosion (WKCD)
31	Area	B16	0.000019879	835265.1	818138.2	65.0	31.0	0.0	-86.0	Heavy construction (WKCD)
32	Area	B16	0.000002696	835265.1	818138.2	65.0	31.0	0.0	-86.0	Wind erosion (WKCD)
33	Area	B17	0.000019879	834539.3	818188.9	49.9	9.0	0.0	76.6	Heavy construction (WKCD)
34	Area	B17	0.000002696	834539.3	818188.9	49.9	9.0	0.0	76.6	Wind erosion (WKCD)
35	Area	BB3	0.000019879	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
36	Area	BB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
37	Area	BB4	0.000019879	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
38	Area	BB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
39	Area	BB5	0.000019879	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
40	Area	BB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
41	Point	EP1	0.016666667	835199.6	818095.5	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
42	Point	EP2	0.016666667	835197.6	818087.0	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
43	Point	EP3	0.000229840	835198.7	818094.0	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
44	Point	EP4	0.000229840	835196.5	818085.7	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
45	Point	EP5	0.010833334	835205.4	818088.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
46	Point	EP6	0.010833334	835207.0	818095.3	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
47	Point	EP7	0.010833334	835194.8	818092.4	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
48	Point	EP8	0.010833334	835205.8	818083.0	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
49	Point	EP9	0.001635902	835232.6	818123.4	0.0	0.0	4.0	0.0	Concrete batching plant (XRL)
50	Point	EP10	0.001635902	834584.4	817939.9	0.0	0.0	7.0	0.0	Concrete batching plant (XRL)
51	Area	EP11-1	0.000163385	834978.3	818020.7	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
52	Area	EP11-2	0.000163385	835007.6	818027.3	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
53	Area	EP11-3	0.000163385	835032.4	818033.9	3.0	20.8	0.5	12.7	Haul road to concrete batching plant (XRL)
54	Area	EP11-4	0.000163385	835050.1	818040.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
55	Area	EP11-5	0.000163385	835079.9	818044.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
56	Area	EP11-6	0.000163385	835109.6	818048.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
57	Area	EP11-7	0.000163385	835139.4	818052.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
58	Area	EP11-8	0.000163385	835169.2	818056.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
59	Area	EP11-9	0.000163385	835186.0	818066.7	3.0	30.0	0.5	8.2	Haul road to concrete batching plant (XRL)
60	Area	EP11-10	0.000163385	835219.2	818062.5	3.0	9.1	0.5	8.2	Haul road to concrete batching plant (XRL)
61	Area	EP11-11	0.000163385	835239.5	818023.8	3.0	20.0	0.5	75.6	Haul road to concrete batching plant (XRL)
62	Area	EP11-12	0.000163385	835232.0	818033.9	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (XRL)
63	Area	EP11-13	0.000163385	835229.6	818063.7	3.0	21.7	0.5	96.1	Haul road to concrete batching plant (XRL)
64	Area	EP11-14	0.000163385	835228.9	818089.7	3.0	8.1	0.5	86.3	Haul road to concrete batching plant (XRL)
65	Area	EP11-15	0.000163385	835244.5	818102.7	3.0	30.0	0.5	75.2	Haul road to concrete batching plant (XRL)
66	Area	EP11-16	0.000163385	835241.5	818131.7	3.0	8.2	0.5	75.2	Haul road to concrete batching plant (XRL)
67	Area	EP12-1	0.000142480	834909.9	818016.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
68	Area	EP12-2	0.000142480	834939.8	818019.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
69	Area	EP12-3	0.000142480	834951.0	818024.2	3.0	8.4	0.5	3.0	Haul road to concrete batching plant (XRL)
70	Area	EP12-4	0.000142480	834765.2	817997.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
71	Area	EP12-5	0.000142480	834795.0	818001.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
72	Area	EP12-6	0.000142480	834824.7	818005.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
73	Area	EP12-7	0.000142480	834854.4	818010.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
74	Area	EP12-8	0.000142480	834895.8	818015.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
75	Area	EP12-9	0.000142480	834649.8	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
76	Area	EP12-10	0.000142480	834679.7	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
77	Area	EP12-11	0.000142480	834709.5	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
78	Area	EP12-12	0.000142480	834739.4	817995.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
79	Area	EP12-13	0.000142480	834759.9	817997.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (XRL)
80	Area	EP12-14	0.000142480	834600.6	817981.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
81	Area	EP12-15	0.000142480	834626.0	817984.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (XRL)
82	Area	EP13-1	0.000063499	834897.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
83	Area	EP13-2	0.000063499	834898.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
84	Area	EP13-3	0.000063499	834898.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
85	Area	EP13-4	0.000063499	834899.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
86	Area	EP13-5	0.000063499	834899.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
87	Area	EP13-6	0.000063499	834897.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (XRL)
88	Area	EP14-1	0.000008362	835223.4	818149.1	3.0	19.1	0.5	11.6	Haul road to concrete batching plant (XRL)
89	Area	EP14-2	0.000008362	835210.1	818188.3	3.0	21.0	0.5	71.7	Haul road to concrete batching plant (XRL)
90	Area	EP14-3	0.000008362	835204.0	818136.5	3.0	19.3	0.5	13.9	Haul road to concrete batching plant (XRL)
91	Area	EP15-1	0.000039954	835212.7	818158.4	3.0	19.3	0.5	1.8	Haul road to concrete batching plant (XRL)
92	Area	EP15-2	0.000039954	835220.7	818146.6	3.0	19.6	0.5	24.3	Haul road to concrete batching plant (XRL)

Appendix 3.4 Tier 1 Data Input for Year 2013 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
93	Area	EP16-1	0.000017038	835211.8	818147.7	3.0	30.0	0.5	13.8	Haul road to concrete batching plant (XRL)
94	Area	EP16-2	0.000017038	835205.7	818187.3	3.0	25.9	0.5	77.2	Haul road to concrete batching plant (XRL)
95	Area	EP17-1	0.000008520	835213.0	818125.9	3.0	19.9	0.5	19.8	Haul road to concrete batching plant (XRL)
96	Area	EP17-2	0.000008520	835195.8	818120.1	3.0	23.0	0.5	15.3	Haul road to concrete batching plant (XRL)
97	Area	EP18-1	0.000061220	834979.0	818017.8	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
98	Area	EP18-2	0.000061220	835008.3	818024.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
99	Area	EP18-3	0.000061220	835032.8	818031.0	3.0	20.5	0.5	12.7	Haul road to concrete batching plant (XRL)
100	Area	EP18-4	0.000061220	835050.5	818037.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
101	Area	EP18-5	0.000061220	835080.3	818041.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
102	Area	EP18-6	0.000061220	835110.0	818045.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
103	Area	EP18-7	0.000061220	835139.8	818049.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
104	Area	EP18-8	0.000061220	835169.5	818053.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
105	Area	EP18-9	0.000061220	835185.0	818063.9	3.0	30.0	0.5	8.3	Haul road to concrete batching plant (XRL)
106	Area	EP18-10	0.000061220	835218.7	818059.5	3.0	11.0	0.5	8.3	Haul road to concrete batching plant (XRL)
107	Area	EP18-11	0.000061220	835243.4	818020.4	3.0	23.2	0.5	75.6	Haul road to concrete batching plant (XRL)
108	Area	EP18-12	0.000061220	835235.0	818033.7	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (XRL)
109	Area	EP18-13	0.000061220	835232.5	818063.5	3.0	22.2	0.5	96.1	Haul road to concrete batching plant (XRL)
110	Area	EP18-14	0.000061220	835232.6	818089.9	3.0	7.0	0.5	86.5	Haul road to concrete batching plant (XRL)
111	Area	EP18-15	0.000061220	834910.3	818013.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
112	Area	EP18-16	0.000061220	834940.1	818016.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
113	Area	EP18-17	0.000061220	834959.7	818019.9	3.0	8.7	0.5	6.0	Haul road to concrete batching plant (XRL)
114	Area	EP19-1	0.000054404	834795.6	817994.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
115	Area	EP19-2	0.000054404	834795.3	817998.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
116	Area	EP19-3	0.000054404	834825.0	818003.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
117	Area	EP19-4	0.000054404	834854.8	818007.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
118	Area	EP19-5	0.000054404	834884.0	818011.1	3.0	12.3	0.5	7.8	Haul road to concrete batching plant (XRL)
119	Area	EP19-6	0.000054404	834650.1	817983.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
120	Area	EP19-7	0.000054404	834680.0	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
121	Area	EP19-8	0.000054404	834709.8	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
122	Area	EP19-9	0.000054404	834739.7	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
123	Area	EP19-10	0.000054404	834760.2	817994.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (XRL)
124	Area	EP19-11	0.000054404	834600.9	817978.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
125	Area	EP19-12	0.000054404	834626.3	817981.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (XRL)
126	Area	EP20-1	0.000023102	834900.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
127	Area	EP20-2	0.000023102	834901.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
128	Area	EP20-3	0.000023102	834901.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
129	Area	EP20-4	0.000023102	834902.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
130	Area	EP20-5	0.000023102	834902.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
131	Area	EP20-6	0.000023102	834900.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (XRL)
132	Area	EP21-1	0.000002727	835222.1	818158.9	3.0	20.1	0.5	31.8	Haul road to concrete batching plant (XRL)
133	Area	EP21-2	0.000002727	835202.8	818136.3	3.0	10.2	0.5	13.9	Haul road to concrete batching plant (XRL)
134	Area	EP22-1	0.000015247	835212.1	818138.2	3.0	19.3	0.5	35.7	Haul road to concrete batching plant (XRL)
135	Area	EP22-2	0.000015247	835219.6	818178.4	3.0	22.3	0.5	55.1	Haul road to concrete batching plant (XRL)
136	Area	EP23-1	0.000003258	835203.7	818113.6	3.0	7.8	0.5	46.4	Haul road to concrete batching plant (XRL)
137	Area	EP23-2	0.000003258	835212.2	818144.1	3.0	15.9	0.5	8.0	Haul road to concrete batching plant (XRL)
138	Area	EP23-3	0.000003258	835195.1	818122.7	3.0	22.9	0.5	9.5	Haul road to concrete batching plant (XRL)
139	Line	HR7A1	0.000193052	834987.0	818125.7	834987.0	817985.7	0.5	6.0	Haul Road to Barging Points (XRL)
140	Line	HR7B	0.000193052	834964.1	817983.2	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (XRL)
141	Line	HR7C	0.000193052	834898.1	818144.6	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (XRL)
142	Line	HR8A	0.000386104	834895.8	817976.0	834764.7	817958.0	0.5	6.0	Haul Road to Barging Points (XRL)
143	Line	HR8B	0.000386104	834767.7	817958.0	834637.5	817945.4	0.5	6.0	Haul Road to Barging Points (XRL)
144	Line	HR9	0.000308884	834637.5	817945.4	834588.3	817940.5	0.5	6.0	Haul Road to Barging Points (XRL)
145	Line	HR10A	0.000231663	834588.3	817940.5	834519.6	817934.4	0.5	6.0	Haul Road to Barging Points (XRL)
146	Line	HR10B	0.000231663	834519.6	817934.4	834425.8	817897.2	0.5	6.0	Haul Road to Barging Points (XRL)
147	Line	HR10C	0.000231663	834425.8	817897.2	834389.4	817855.7	0.5	6.0	Haul Road to Barging Points (XRL)
148	Line	HR11	0.000154442	834389.4	817855.7	834313.9	817770.0	0.5	6.0	Haul Road to Barging Points (XRL)
149	Line	HR12A	0.000077221	834313.9	817770.0	834289.8	817763.6	0.5	6.0	Haul Road to Barging Points (XRL)
150	Point	BP4	0.004266640	834640.0	817930.5	0.0	0.0	0.5	0.0	Barging Point (XRL)
151	Point	BP5	0.004266640	834591.9	817924.7	0.0	0.0	0.5	0.0	Barging Point (XRL)
152	Point	BP6	0.004266640	834397.5	817847.6	0.0	0.0	0.5	0.0	Barging Point (XRL)
153	Point	BP7	0.004266640	834328.6	817755.8	0.0	0.0	0.5	0.0	Barging Point (XRL)

Appendix 3.4 Tier 1 Data Input for Year 2014 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	C1	0.000239495	834297.5	818332.8	145.0	23.5	0.0	55.0	Heavy construction (WKCD)
2	Area	C1	0.00002696	834297.5	818332.8	145.0	23.5	0.0	55.0	Wind erosion (WKCD)
3	Area	C2	0.000239495	834132.0	818269.2	240.1	5.5	0.0	0.0	Heavy construction (WKCD)
4	Area	C2	0.00002696	834132.0	818269.2	240.1	5.5	0.0	0.0	Wind erosion (WKCD)
5	Area	C3	0.000239495	834015.5	818232.9	67.0	11.5	0.0	-90.0	Heavy construction (WKCD)
6	Area	C3	0.00002696	834015.5	818232.9	67.0	11.5	0.0	-90.0	Wind erosion (WKCD)
7	Area	C4	0.000239495	833988.0	818173.2	68.0	11.0	0.0	53.6	Heavy construction (WKCD)
8	Area	C4	0.00002696	833988.0	818173.2	68.0	11.0	0.0	53.6	Wind erosion (WKCD)
9	Area	C5	0.000239495	833961.1	818108.0	69.0	22.5	0.0	-89.9	Heavy construction (WKCD)
10	Area	C5	0.00002696	833961.1	818108.0	69.0	22.5	0.0	-89.9	Wind erosion (WKCD)
11	Area	C6	0.000239495	833956.4	818048.8	49.5	12.9	0.0	-89.9	Heavy construction (WKCD)
12	Area	C6	0.00002696	833956.4	818048.8	49.5	12.9	0.0	-89.9	Wind erosion (WKCD)
13	Area	C7	0.000239495	833987.7	817947.4	27.6	27.6	0.0	-89.9	Heavy construction (WKCD)
14	Area	C7	0.00002696	833987.7	817947.4	27.6	27.6	0.0	-89.9	Wind erosion (WKCD)
15	Area	C8	0.000239495	833959.6	817882.0	64.0	18.7	0.0	-89.9	Heavy construction (WKCD)
16	Area	C8	0.00002696	833959.6	817882.0	64.0	18.7	0.0	-89.9	Wind erosion (WKCD)
17	Area	C9	0.000239495	833959.6	817882.0	64.0	18.7	0.0	-89.9	Heavy construction (WKCD)
18	Area	C9	0.00002696	833959.6	817882.0	64.0	18.7	0.0	-89.9	Wind erosion (WKCD)
19	Area	C10	0.000239495	833981.7	817816.7	74.0	14.0	0.0	-51.7	Heavy construction (WKCD)
20	Area	C10	0.00002696	833981.7	817816.7	74.0	14.0	0.0	-51.7	Wind erosion (WKCD)
21	Area	C14	0.000239495	834200.5	817800.9	72.0	65.0	0.0	90.0	Heavy construction (WKCD)
22	Area	C14	0.00002696	834200.5	817800.9	72.0	65.0	0.0	90.0	Wind erosion (WKCD)
23	Area	C15	0.000239495	834456.1	818201.7	20.0	19.0	0.0	49.0	Heavy construction (WKCD)
24	Area	C15	0.00002696	834456.1	818201.7	20.0	19.0	0.0	49.0	Wind erosion (WKCD)
25	Area	C16	0.000239495	834427.0	818148.3	69.0	10.0	0.0	44.2	Heavy construction (WKCD)
26	Area	C16	0.00002696	834427.0	818148.3	69.0	10.0	0.0	44.2	Wind erosion (WKCD)
27	Area	C17	0.000239495	834473.0	818158.6	55.6	33.5	0.0	-86.0	Heavy construction (WKCD)
28	Area	C17	0.00002696	834473.0	818158.6	55.6	33.5	0.0	-86.0	Wind erosion (WKCD)
29	Area	C18	0.000239495	834430.5	818042.8	174.6	53.0	0.0	55.4	Heavy construction (WKCD)
30	Area	C18	0.00002696	834430.5	818042.8	174.6	53.0	0.0	55.4	Wind erosion (WKCD)
31	Area	C26	0.000239495	834681.4	818144.2	140.0	17.5	0.0	4.0	Heavy construction (WKCD)
32	Area	C26	0.00002696	834681.4	818144.2	140.0	17.5	0.0	4.0	Wind erosion (WKCD)
33	Area	C27	0.000239495	834723.0	818108.5	62.0	59.7	0.0	4.0	Heavy construction (WKCD)
34	Area	C27	0.00002696	834723.0	818108.5	62.0	59.7	0.0	4.0	Wind erosion (WKCD)
35	Area	C28	0.000239495	834624.9	818001.4	251.5	15.2	0.0	4.0	Heavy construction (WKCD)
36	Area	C28	0.00002696	834624.9	818001.4	251.5	15.2	0.0	4.0	Wind erosion (WKCD)
37	Area	C29	0.000239495	834807.7	818022.3	116.0	80.0	0.0	4.0	Heavy construction (WKCD)
38	Area	C29	0.00002696	834807.7	818022.3	116.0	80.0	0.0	4.0	Wind erosion (WKCD)
39	Area	C32	0.000239495	834946.6	818141.7	49.7	48.6	0.0	-86.0	Heavy construction (WKCD)
40	Area	C32	0.00002696	834946.6	818141.7	49.7	48.6	0.0	-86.0	Wind erosion (WKCD)
41	Area	C33	0.000239495	834953.3	818097.2	55.8	40.0	0.0	4.0	Heavy construction (WKCD)
42	Area	C33	0.00002696	834953.3	818097.2	55.8	40.0	0.0	4.0	Wind erosion (WKCD)
43	Area	C37	0.000239495	835075.4	818024.0	61.6	22.0	0.0	4.0	Heavy construction (WKCD)
44	Area	C37	0.00002696	835075.4	818024.0	61.6	22.0	0.0	4.0	Wind erosion (WKCD)
45	Area	C39	0.000239495	835128.2	818040.3	52.9	46.0	0.0	-86.0	Heavy construction (WKCD)
46	Area	C39	0.00002696	835128.2	818040.3	52.9	46.0	0.0	-86.0	Wind erosion (WKCD)
47	Area	C41	0.000239495	835166.8	818055.4	33.3	28.0	0.0	4.0	Heavy construction (WKCD)
48	Area	C41	0.00002696	835166.8	818055.4	33.3	28.0	0.0	4.0	Wind erosion (WKCD)
49	Area	C42	0.000239495	835185.2	818032.7	66.6	20.0	0.0	4.0	Heavy construction (WKCD)
50	Area	C42	0.00002696	835185.2	818032.7	66.6	20.0	0.0	4.0	Wind erosion (WKCD)
51	Area	C45	0.000239495	835243.1	818179.4	46.8	20.3	0.0	4.0	Heavy construction (WKCD)
52	Area	C45	0.00002696	835243.1	818179.4	46.8	20.3	0.0	4.0	Wind erosion (WKCD)
53	Area	C46	0.000239495	835236.6	818129.6	78.2	27.0	0.0	-86.0	Heavy construction (WKCD)
54	Area	C46	0.00002696	835236.6	818129.6	78.2	27.0	0.0	-86.0	Wind erosion (WKCD)
55	Area	C47	0.000239495	835265.1	818138.2	65.0	31.0	0.0	-86.0	Heavy construction (WKCD)
56	Area	C47	0.00002696	835265.1	818138.2	65.0	31.0	0.0	-86.0	Wind erosion (WKCD)
57	Area	C48	0.000239495	835305.0	818188.4	78.0	29.6	0.0	3.8	Heavy construction (WKCD)
58	Area	C48	0.00002696	835305.0	818188.4	78.0	29.6	0.0	3.8	Wind erosion (WKCD)
59	Area	C49	0.000239495	835303.7	818141.0	65.0	46.2	0.0	-86.4	Heavy construction (WKCD)
60	Area	C49	0.00002696	835303.7	818141.0	65.0	46.2	0.0	-86.4	Wind erosion (WKCD)
61	Area	C50	0.000239495	835284.6	818100.4	64.6	13.2	0.0	4.0	Heavy construction (WKCD)
62	Area	C50	0.00002696	835284.6	818100.4	64.6	13.2	0.0	4.0	Wind erosion (WKCD)
63	Area	C51	0.000239495	835331.2	818146.2	58.2	8.8	0.0	-85.8	Heavy construction (WKCD)
64	Area	C51	0.00002696	835331.2	818146.2	58.2	8.8	0.0	-85.8	Wind erosion (WKCD)
65	Area	C52	0.000239495	835326.8	818106.7	20.4	20.0	0.0	4.0	Heavy construction (WKCD)
66	Area	C52	0.00002696	835326.8	818106.7	20.4	20.0	0.0	4.0	Wind erosion (WKCD)
67	Area	C53	0.000239495	834539.3	818188.9	49.9	9.0	0.0	76.6	Heavy construction (WKCD)
68	Area	C53	0.00002696	834539.3	818188.9	49.9	9.0	0.0	76.6	Wind erosion (WKCD)
69	Area	C54	0.000239495	835303.8	818216.5	26.6	9.7	0.0	-87.6	Heavy construction (WKCD)
70	Area	C54	0.00002696	835303.8	818216.5	26.6	9.7	0.0	-87.6	Wind erosion (WKCD)
71	Area	CB1	0.000239495	834306.9	818306.0	22.6	15.7	0.0	-35.0	Heavy construction (WKCD)
72	Area	CB1	0.00002696	834306.9	818306.0	22.6	15.7	0.0	-35.0	Wind erosion (WKCD)
73	Area	CB2	0.000239495	834430.0	818240.2	19.1	14.0	0.0	-35.5	Heavy construction (WKCD)
74	Area	CB2	0.00002696	834430.0	818240.2	19.1	14.0	0.0	-35.5	Wind erosion (WKCD)
75	Area	CB3	0.000239495	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
76	Area	CB3	0.00002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
77	Area	CB4	0.000239495	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
78	Area	CB4	0.00002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
79	Area	CB5	0.000239495	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
80	Area	CB5	0.00002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
81	Point	EP1	0.016666667	835199.6	818095.5	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
82	Point	EP2	0.016666667	835197.6	818087.0	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
83	Point	EP3	0.000229840	835198.7	818094.0	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
84	Point	EP4	0.000229840	835196.5	818085.7	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
85	Point	EP5	0.010833334	835205.4	818088.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
86	Point	EP6	0.010833334	835207.0	818095.3	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.

Appendix 3.4 Tier 1 Data Input for Year 2014 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m²/s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
87	Point	EP7	0.010833334	835194.8	818092.4	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
88	Point	EP8	0.010833334	835205.8	818083.0	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
89	Point	EP9	0.001635902	835232.6	818123.4	0.0	0.0	4.0	0.0	Concrete batching plant (XRL)
90	Point	EP10	0.001635902	834584.4	817939.9	0.0	0.0	7.0	0.0	Concrete batching plant (XRL)
91	Area	EP11-1	0.000163385	834978.3	818020.7	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
92	Area	EP11-2	0.000163385	835007.6	818027.3	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
93	Area	EP11-3	0.000163385	835032.4	818033.9	3.0	20.8	0.5	12.7	Haul road to concrete batching plant (XRL)
94	Area	EP11-4	0.000163385	835050.1	818040.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
95	Area	EP11-5	0.000163385	835079.9	818044.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
96	Area	EP11-6	0.000163385	835109.6	818048.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
97	Area	EP11-7	0.000163385	835139.4	818052.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
98	Area	EP11-8	0.000163385	835169.2	818056.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
99	Area	EP11-9	0.000163385	835186.0	818066.7	3.0	30.0	0.5	8.2	Haul road to concrete batching plant (XRL)
100	Area	EP11-10	0.000163385	835219.2	818062.5	3.0	9.1	0.5	8.2	Haul road to concrete batching plant (XRL)
101	Area	EP11-11	0.000163385	835239.5	818023.8	3.0	20.0	0.5	75.6	Haul road to concrete batching plant (XRL)
102	Area	EP11-12	0.000163385	835232.0	818033.9	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (XRL)
103	Area	EP11-13	0.000163385	835229.6	818063.7	3.0	21.7	0.5	96.1	Haul road to concrete batching plant (XRL)
104	Area	EP11-14	0.000163385	835228.9	818089.7	3.0	8.1	0.5	86.3	Haul road to concrete batching plant (XRL)
105	Area	EP11-15	0.000163385	835244.5	818102.7	3.0	30.0	0.5	75.2	Haul road to concrete batching plant (XRL)
106	Area	EP11-16	0.000163385	835241.5	818131.7	3.0	8.2	0.5	75.2	Haul road to concrete batching plant (XRL)
107	Area	EP12-1	0.000142480	834909.9	818016.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
108	Area	EP12-2	0.000142480	834939.8	818019.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
109	Area	EP12-3	0.000142480	834951.0	818024.2	3.0	8.4	0.5	3.0	Haul road to concrete batching plant (XRL)
110	Area	EP12-4	0.000142480	834765.2	817997.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
111	Area	EP12-5	0.000142480	834795.0	818001.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
112	Area	EP12-6	0.000142480	834824.7	818005.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
113	Area	EP12-7	0.000142480	834854.4	818010.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
114	Area	EP12-8	0.000142480	834895.8	818015.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
115	Area	EP12-9	0.000142480	834649.8	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
116	Area	EP12-10	0.000142480	834679.7	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
117	Area	EP12-11	0.000142480	834709.5	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
118	Area	EP12-12	0.000142480	834739.4	817995.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
119	Area	EP12-13	0.000142480	834759.9	817997.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (XRL)
120	Area	EP12-14	0.000142480	834600.6	817981.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
121	Area	EP12-15	0.000142480	834626.0	817984.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (XRL)
122	Area	EP13-1	0.000063499	834897.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
123	Area	EP13-2	0.000063499	834898.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
124	Area	EP13-3	0.000063499	834898.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
125	Area	EP13-4	0.000063499	834899.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
126	Area	EP13-5	0.000063499	834899.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
127	Area	EP13-6	0.000063499	834897.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (XRL)
128	Area	EP14-1	0.00008362	835223.4	818149.1	3.0	19.1	0.5	11.6	Haul road to concrete batching plant (XRL)
129	Area	EP14-2	0.00008362	835210.1	818188.3	3.0	21.0	0.5	71.7	Haul road to concrete batching plant (XRL)
130	Area	EP14-3	0.00008362	835204.0	818136.5	3.0	19.3	0.5	13.9	Haul road to concrete batching plant (XRL)
131	Area	EP15-1	0.000039954	835212.7	818158.4	3.0	19.3	0.5	1.8	Haul road to concrete batching plant (XRL)
132	Area	EP15-2	0.000039954	835220.7	818146.6	3.0	19.6	0.5	24.3	Haul road to concrete batching plant (XRL)
133	Area	EP16-1	0.000017038	835211.8	818147.7	3.0	30.0	0.5	13.8	Haul road to concrete batching plant (XRL)
134	Area	EP16-2	0.000017038	835205.7	818187.3	3.0	25.9	0.5	77.2	Haul road to concrete batching plant (XRL)
135	Area	EP17-1	0.00008520	835213.0	818125.9	3.0	19.9	0.5	19.8	Haul road to concrete batching plant (XRL)
136	Area	EP17-2	0.00008520	835195.8	818120.1	3.0	23.0	0.5	15.3	Haul road to concrete batching plant (XRL)
137	Area	EP18-1	0.000061220	834979.0	818017.8	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
138	Area	EP18-2	0.000061220	835008.3	818024.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
139	Area	EP18-3	0.000061220	835032.8	818031.0	3.0	20.5	0.5	12.7	Haul road to concrete batching plant (XRL)
140	Area	EP18-4	0.000061220	835050.5	818037.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
141	Area	EP18-5	0.000061220	835080.3	818041.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
142	Area	EP18-6	0.000061220	835110.0	818045.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
143	Area	EP18-7	0.000061220	835139.8	818049.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
144	Area	EP18-8	0.000061220	835169.5	818053.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
145	Area	EP18-9	0.000061220	835185.0	818063.9	3.0	30.0	0.5	8.3	Haul road to concrete batching plant (XRL)
146	Area	EP18-10	0.000061220	835218.7	818059.5	3.0	11.0	0.5	8.3	Haul road to concrete batching plant (XRL)
147	Area	EP18-11	0.000061220	835243.4	818020.4	3.0	23.2	0.5	75.6	Haul road to concrete batching plant (XRL)
148	Area	EP18-12	0.000061220	835235.0	818033.7	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (XRL)
149	Area	EP18-13	0.000061220	835232.5	818063.5	3.0	22.2	0.5	96.1	Haul road to concrete batching plant (XRL)
150	Area	EP18-14	0.000061220	835232.6	818089.9	3.0	7.0	0.5	86.5	Haul road to concrete batching plant (XRL)
151	Area	EP18-15	0.000061220	834910.3	818013.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
152	Area	EP18-16	0.000061220	834940.1	818016.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
153	Area	EP18-17	0.000061220	834959.7	818019.9	3.0	8.7	0.5	6.0	Haul road to concrete batching plant (XRL)
154	Area	EP19-1	0.000054404	834795.6	817994.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
155	Area	EP19-2	0.000054404	834795.3	817998.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
156	Area	EP19-3	0.000054404	834825.0	818003.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
157	Area	EP19-4	0.000054404	834854.8	818007.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
158	Area	EP19-5	0.000054404	834884.0	818011.1	3.0	12.3	0.5	7.8	Haul road to concrete batching plant (XRL)
159	Area	EP19-6	0.000054404	834650.1	817983.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
160	Area	EP19-7	0.000054404	834680.0	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
161	Area	EP19-8	0.000054404	834709.8	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
162	Area	EP19-9	0.000054404	834739.7	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
163	Area	EP19-10	0.000054404	834760.2	817994.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (XRL)
164	Area	EP19-11	0.000054404	834600.9	817978.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
165	Area	EP19-12	0.000054404	834626.3	817981.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (XRL)
166	Area	EP20-1	0.000023102	834900.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
167	Area	EP20-2	0.000023102	834901.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
168	Area	EP20-3	0.000023102	834901.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
169	Area	EP20-4	0.000023102	834902.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
170	Area	EP20-5	0.000023102	834902.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
171	Area	EP20-6	0.000023102	834900.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (XRL)
172	Area	EP21-1	0.00002727	835222.1	818158.9	3.0	20.1	0.5	31.8	Haul road to concrete batching plant (XRL)

Appendix 3.4 Tier 1 Data Input for Year 2014 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
173	Area	EP21-2	0.00002727	835202.8	818136.3	3.0	10.2	0.5	13.9	Haul road to concrete batching plant (XRL)
174	Area	EP22-1	0.000015248	835212.1	818138.2	3.0	19.3	0.5	35.7	Haul road to concrete batching plant (XRL)
175	Area	EP22-2	0.000015248	835219.6	818178.4	3.0	22.3	0.5	55.1	Haul road to concrete batching plant (XRL)
176	Area	EP23-1	0.00003258	835203.7	818113.6	3.0	7.8	0.5	46.4	Haul road to concrete batching plant (XRL)
177	Area	EP23-2	0.00003258	835212.2	818144.1	3.0	15.9	0.5	8.0	Haul road to concrete batching plant (XRL)
178	Area	EP23-3	0.00003258	835195.1	818122.7	3.0	22.9	0.5	9.5	Haul road to concrete batching plant (XRL)
179	Line	HR7A2	0.000193052	834987.0	818125.7	834987.0	817985.7	0.5	6.0	Haul Road to Barging Points (XRL)
180	Line	HR7B	0.000193052	834964.1	817983.2	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (XRL)
181	Line	HR7C	0.000193052	834898.1	818144.6	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (XRL)
182	Line	HR8A	0.000386104	834895.8	817976.0	834764.7	817958.0	0.5	6.0	Haul Road to Barging Points (XRL)
183	Line	HR8B	0.000386104	834767.7	817958.0	834637.5	817945.4	0.5	6.0	Haul Road to Barging Points (XRL)
184	Line	HR9	0.000308884	834637.5	817945.4	834588.3	817940.5	0.5	6.0	Haul Road to Barging Points (XRL)
185	Line	HR10A	0.000231663	834588.3	817940.5	834519.6	817934.4	0.5	6.0	Haul Road to Barging Points (XRL)
186	Line	HR10B	0.000231663	834519.6	817934.4	834425.8	817897.2	0.5	6.0	Haul Road to Barging Points (XRL)
187	Line	HR10C	0.000231663	834425.8	817897.2	834389.4	817855.7	0.5	6.0	Haul Road to Barging Points (XRL)
188	Line	HR11	0.000154442	834389.4	817855.7	834313.9	817770.0	0.5	6.0	Haul Road to Barging Points (XRL)
189	Line	HR12A	0.000077221	834313.9	817770.0	834289.8	817763.6	0.5	6.0	Haul Road to Barging Points (XRL)
190	Point	BP4	0.004266640	834640.0	817930.5	0.0	0.0	0.5	0.0	Barging Point (XRL)
191	Point	BP5	0.004266640	834591.9	817924.7	0.0	0.0	0.5	0.0	Barging Point (XRL)
192	Point	BP6	0.004266640	834397.5	817847.6	0.0	0.0	0.5	0.0	Barging Point (XRL)
193	Point	BP7	0.004266640	834328.6	817755.8	0.0	0.0	0.5	0.0	Barging Point (XRL)
194	Area	FF1	0.000029937	835264.6	818400.0	19.1	3.5	0.0	26.4	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
195	Area	FF1	0.00002696	835264.6	818400.0	19.1	3.5	0.0	26.4	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
196	Area	FF2	0.000029937	835287.4	818403.3	29.7	5.0	0.0	-19.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
197	Area	FF2	0.00002696	835287.4	818403.3	29.7	5.0	0.0	-19.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
198	Area	FF3	0.000029937	835310.6	818358.6	85.7	4.0	0.0	-75.7	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
199	Area	FF3	0.00002696	835310.6	818358.6	85.7	4.0	0.0	-75.7	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
200	Area	FF4	0.000029937	835341.7	818274.8	92.0	21.8	0.0	-75.7	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
201	Area	FF4	0.00002696	835341.7	818274.8	92.0	21.8	0.0	-75.7	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
202	Area	FF5	0.000029937	835323.0	818233.4	30.1	25.1	0.0	4.2	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
203	Area	FF5	0.00002696	835323.0	818233.4	30.1	25.1	0.0	4.2	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
204	Area	FF6	0.000029937	835331.4	818207.7	44.8	10.9	0.0	4.3	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
205	Area	FF6	0.00002696	835331.4	818207.7	44.8	10.9	0.0	4.3	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
206	Area	FF7	0.000029937	835334.3	818151.0	101.1	17.0	0.0	84.5	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)

Appendix 3.4 Tier 1 Data Input for Year 2014 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
207	Area	FF7	0.00002696	835334.3	818151.0	101.1	17.0	0.0	84.5	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
208	Area	FF8	0.000029937	835335.0	818074.9	48.6	12.6	0.0	-81.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
209	Area	FF8	0.00002696	835335.0	818074.9	48.6	12.6	0.0	-81.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
210	Area	FF9	0.000029937	835267.6	818533.5	3.0	3.0	0.0	90.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
211	Area	FF9	0.00002696	835267.6	818533.5	3.0	3.0	0.0	90.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
212	Area	AA9	0.000029937	834646.0	818747.7	65.6	13.2	0.0	70.8	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
213	Area	AA9	0.00002696	834646.0	818747.7	65.6	13.2	0.0	70.8	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
214	Area	AA10	0.000029937	834601.8	818627.1	191.9	21.2	0.0	67.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
215	Area	AA10	0.00002696	834601.8	818627.1	191.9	21.2	0.0	67.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
216	Area	AA11	0.000029937	834553.7	818489.5	98.1	24.2	0.0	78.1	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
217	Area	AA11	0.00002696	834553.7	818489.5	98.1	24.2	0.0	78.1	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
218	Area	AA12	0.000029937	834491.6	818452.8	216.7	18.2	0.0	60.3	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
219	Area	AA12	0.00002696	834491.6	818452.8	216.7	18.2	0.0	60.3	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
220	Point	PEP1	0.014833000	835164.5	818031.6	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
221	Point	PEP2	0.014833000	835164.1	818035.0	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
222	Point	PEP3	0.014833000	835169.7	818027.7	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
223	Point	PEP4	0.014833000	835170.0	818024.4	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
224	Point	PEP5	0.014833000	835172.9	818028.1	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
225	Point	PEP6	0.014833000	835167.6	818035.4	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
226	Point	PEP7	0.014833000	835167.9	818032.0	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
227	Point	PEP8	0.019778000	835171.5	818026.3	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
228	Point	PEP9	0.063150599	835212.2	818045.3	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
229	Point	PEP10	0.063150599	834543.2	817932.8	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
230	Area	AEP 1-1	0.000140892	834545.7	817933.2	3.0	30.0	0.5	81.6	Haul road to concrete batching plant - Phase 2
231	Area	AEP 1-2	0.000140892	834575.4	817937.6	3.0	30.0	0.5	80.0	Haul road to concrete batching plant - Phase 2
232	Area	AEP 1-3	0.000140892	834604.9	817942.8	3.0	30.0	0.5	80.2	Haul road to concrete batching plant - Phase 2
233	Area	AEP 1-4	0.000140892	834634.5	817947.9	3.0	30.0	0.5	80.0	Haul road to concrete batching plant - Phase 2
234	Area	AEP 1-5	0.000140892	834664.0	817953.1	3.0	30.0	0.5	80.2	Haul road to concrete batching plant - Phase 2
235	Area	AEP 1-6	0.000140892	834693.6	817958.2	3.0	30.0	0.5	80.0	Haul road to concrete batching plant - Phase 2
236	Area	AEP 1-7	0.000140892	834723.1	817963.4	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
237	Area	AEP 1-8	0.000140892	834752.9	817967.2	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
238	Area	AEP 1-9	0.000140892	834782.6	817971.0	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
239	Area	AEP 1-10	0.000140892	834812.4	817974.8	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
240	Area	AEP 1-11	0.000140892	834842.2	817978.6	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
241	Area	AEP 1-12	0.000140892	834871.9	817982.4	3.0	24.2	0.5	82.6	Haul road to concrete batching plant - Phase 2
242	Area	AEP 2-1	0.000059858	834895.9	817985.6	3.0	30.0	0.5	0.8	Haul road to concrete batching plant - Phase 2
243	Area	AEP 2-2	0.000059858	834896.3	818015.6	3.0	30.0	0.5	0.6	Haul road to concrete batching plant - Phase 2
244	Area	AEP 2-3	0.000059858	834896.6	818045.6	3.0	30.0	0.5	0.8	Haul road to concrete batching plant - Phase 2
245	Area	AEP 2-4	0.000059858	834897.0	818075.6	3.0	30.0	0.5	0.6	Haul road to concrete batching plant - Phase 2
246	Area	AEP 2-5	0.000059858	834897.3	818105.6	3.0	30.0	0.5	0.8	Haul road to concrete batching plant - Phase 2
247	Area	AEP 2-6	0.000059858	834897.7	818135.6	3.0	30.0	0.5	0.8	Haul road to concrete batching plant - Phase 2
248	Area	AEP 2-7	0.000059858	834898.1	818165.6	3.0	3.5	0.5	0.0	Haul road to concrete batching plant - Phase 2
249	Area	AEP 3-1	0.000165407	834895.9	817985.5	3.0	30.0	0.5	82.9	Haul road to concrete batching plant - Phase 2
250	Area	AEP 3-2	0.000165407	834925.7	817989.2	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
251	Area	AEP 3-3	0.000165407	834955.4	817993.0	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
252	Area	AEP 3-4	0.000165407	834985.2	817996.8	3.0	25.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
253	Area	AEP 3-5	0.000000000	835015.0	818000.6	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
254	Area	AEP 3-6	0.000000000	835044.7	818004.4	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
255	Area	AEP 3-7	0.000000000	835074.5	818008.2	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
256	Area	AEP 3-8	0.000000000	835104.2	818012.0	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
257	Area	AEP 3-9	0.000000000	835134.0	818015.8	3.0	22.8	0.5	82.7	Haul road to concrete batching plant - Phase 2
258	Area	AEP 4-1	0.000000000	835156.6	818018.7	3.0	23.4	0.5	82.9	Haul road to concrete batching plant - Phase 2



Appendix 3.4 Tier 1 Data Input for Year 2014 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
259	Area	AEP 5-1	0000000000	835156.6	818018.7	3.0	13.8	0.5	-3.7	Haul road to concrete batching plant - Phase 2
260	Area	AEP 6-1	0.000035343	835179.8	818021.6	3.0	5.7	0.5	74.7	Haul road to concrete batching plant - Phase 2
261	Area	AEP 6-2	0.000035343	835185.3	818023.1	3.0	18.1	0.5	24.9	Haul road to concrete batching plant - Phase 2
262	Area	AEP 6-3	0.000035343	835192.9	818039.5	3.0	25.0	0.5	-124.4	Haul road to concrete batching plant - Phase 2
263	Area	AEP 7-1	0000000000	835179.7	818021.5	3.0	17.7	0.5	90.6	Haul road to concrete batching plant - Phase 2
264	Area	AEP 7-2	0000000000	835197.4	818021.3	3.0	30.0	0.5	58.5	Haul road to concrete batching plant - Phase 2
265	Area	AEP 7-3	0000000000	835223.0	818037.0	3.0	11.5	0.5	25.2	Haul road to concrete batching plant - Phase 2
266	Area	AEP 8-1	0.000105550	835212.2	818045.3	3.0	15.8	0.5	82.4	Haul road to concrete batching plant - Phase 2
267	Area	AEP 9-1	0000000000	835156.6	818018.7	3.0	13.8	0.5	-3.7	Haul road to concrete batching plant - Phase 2
268	Area	AEP 9-2	0.000007624	835179.8	818021.6	3.0	17.8	0.5	70.6	Haul road to concrete batching plant - Phase 2
269	Area	AEP 10-1	0000000000	835156.6	818018.7	3.0	23.4	0.5	82.9	Haul road to concrete batching plant - Phase 2
270	Area	AEP 11-1	0.000082936	835172.3	818025.4	3.0	24.4	0.5	85.1	Haul road to concrete batching plant - Phase 2
271	Area	AEP 12-1	0.000090559	835196.6	818027.5	3.0	16.2	0.5	66.8	Haul road to concrete batching plant - Phase 2
272	Area	AEP 12-2	0.000090559	835211.5	818033.9	3.0	30.0	0.5	42.3	Haul road to concrete batching plant - Phase 2
273	Area	AEP 13-1	0000000000	835231.7	818056.0	3.0	30.0	0.5	1.7	Haul road to concrete batching plant - Phase 2
274	Area	AEP 13-2	0000000000	835232.6	818086.0	3.0	30.0	0.5	13.5	Haul road to concrete batching plant - Phase 2
275	Area	AEP 13-3a	0000000000	835239.6	818115.2	3.0	15.0	0.5	19.1	Haul road to concrete batching plant - Phase 2
276	Area	AEP 13-3b	0.000090559	835247.8	818138.8	3.0	15.0	0.5	19.1	Haul road to concrete batching plant - Phase 2
277	Area	AEP 13-4	0.000090559	835249.4	818143.5	3.0	30.0	0.5	-2.7	Haul road to concrete batching plant - Phase 2
278	Area	AEP 13-5	0.000090559	835248.0	818173.5	3.0	30.0	0.5	-2.5	Haul road to concrete batching plant - Phase 2
279	Area	AEP 14-1	0.000049152	835212.2	818045.3	3.0	15.8	0.5	82.4	Haul road to concrete batching plant - Phase 2
280	Area	AEP 14-2	0.000049152	835190.4	818022.6	3.0	7.9	0.5	51.7	Haul road to concrete batching plant - Phase 2
281	Area	AEP 14-3	0.000049152	835196.6	818027.5	3.0	16.2	0.5	66.8	Haul road to concrete batching plant - Phase 2
282	Area	AEP 14-4	0.000049152	835211.5	818033.9	3.0	21.2	0.5	50.5	Haul road to concrete batching plant - Phase 2
283	Area	AEP 15-1	0000000000	835156.6	818015.7	3.0	30.0	0.5	82.9	Haul road to concrete batching plant - Phase 2
284	Area	AEP 15-2	0000000000	835186.4	818019.4	3.0	5.1	0.5	51.3	Haul road to concrete batching plant - Phase 2
285	Area	AEP 16-1	0.000131751	834892.9	817982.2	3.0	29.9	0.5	82.9	Haul road to concrete batching plant - Phase 2
286	Area	AEP 16-2	0.000131751	834922.6	817985.9	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
287	Area	AEP 16-3	0.000131751	834952.4	817989.7	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
288	Area	AEP 16-4	0.000131751	834982.2	817993.5	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
289	Area	AEP 16-5	0000000000	835011.9	817997.3	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
290	Area	AEP 16-6	0000000000	835041.7	818001.1	3.0	29.9	0.5	82.9	Haul road to concrete batching plant - Phase 2
291	Area	AEP 16-7	0000000000	835071.4	818004.8	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
292	Area	AEP 16-8	0000000000	835101.2	818008.6	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
293	Area	AEP 16-9	0000000000	835131.0	818012.4	3.0	25.8	0.5	82.7	Haul road to concrete batching plant - Phase 2
294	Area	AEP 17-1	0.000132191	834545.7	817933.2	3.0	30.0	0.5	81.6	Haul road to concrete batching plant - Phase 2
295	Area	AEP 17-2	0.000132191	834575.4	817937.6	3.0	30.1	0.5	81.2	Haul road to concrete batching plant - Phase 2
296	Area	AEP 17-3	0.000132191	834605.1	817942.2	3.0	30.0	0.5	81.2	Haul road to concrete batching plant - Phase 2
297	Area	AEP 17-4	0.000132191	834634.7	817946.8	3.0	30.0	0.5	81.4	Haul road to concrete batching plant - Phase 2
298	Area	AEP 17-5	0.000132191	834664.4	817951.3	3.0	30.0	0.5	81.2	Haul road to concrete batching plant - Phase 2
299	Area	AEP 17-6	0.000132191	834694.0	817955.9	3.0	30.0	0.5	81.4	Haul road to concrete batching plant - Phase 2
300	Area	AEP 17-7	0.000132191	834723.7	817960.4	3.0	30.0	0.5	82.5	Haul road to concrete batching plant - Phase 2
301	Area	AEP 17-8	0.000132191	834753.4	817964.3	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
302	Area	AEP 17-9	0.000132191	834783.2	817968.1	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
303	Area	AEP 17-10	0.000132191	834812.9	817971.9	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
304	Area	AEP 17-11	0.000132191	834842.7	817975.7	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
305	Area	AEP 17-12	0.000132191	834872.4	817979.5	3.0	20.7	0.5	82.5	Haul road to concrete batching plant - Phase 2

Appendix 3.4 Tier 1 Data Input for Year 2014 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	C1	0.000019879	834297.5	818332.8	145.0	23.5	0.0	55.0	Heavy construction (WKCD)
2	Area	C1	0.00002696	834297.5	818332.8	145.0	23.5	0.0	55.0	Wind erosion (WKCD)
3	Area	C2	0.000019879	834132.0	818269.2	240.1	5.5	0.0	0.0	Heavy construction (WKCD)
4	Area	C2	0.00002696	834132.0	818269.2	240.1	5.5	0.0	0.0	Wind erosion (WKCD)
5	Area	C3	0.000019879	834015.5	818232.9	67.0	11.5	0.0	-90.0	Heavy construction (WKCD)
6	Area	C3	0.00002696	834015.5	818232.9	67.0	11.5	0.0	-90.0	Wind erosion (WKCD)
7	Area	C4	0.000019879	833988.0	818173.2	68.0	11.0	0.0	53.6	Heavy construction (WKCD)
8	Area	C4	0.00002696	833988.0	818173.2	68.0	11.0	0.0	53.6	Wind erosion (WKCD)
9	Area	C5	0.000019879	833961.1	818108.0	69.0	22.5	0.0	-89.9	Heavy construction (WKCD)
10	Area	C5	0.00002696	833961.1	818108.0	69.0	22.5	0.0	-89.9	Wind erosion (WKCD)
11	Area	C6	0.000019879	833956.4	818048.8	49.5	12.9	0.0	-89.9	Heavy construction (WKCD)
12	Area	C6	0.00002696	833956.4	818048.8	49.5	12.9	0.0	-89.9	Wind erosion (WKCD)
13	Area	C7	0.000019879	833987.7	817947.4	27.6	27.6	0.0	-89.9	Heavy construction (WKCD)
14	Area	C7	0.00002696	833987.7	817947.4	27.6	27.6	0.0	-89.9	Wind erosion (WKCD)
15	Area	C8	0.000019879	833959.6	817882.0	64.0	18.7	0.0	-89.9	Heavy construction (WKCD)
16	Area	C8	0.00002696	833959.6	817882.0	64.0	18.7	0.0	-89.9	Wind erosion (WKCD)
17	Area	C9	0.000019879	833959.6	817882.0	64.0	18.7	0.0	-89.9	Heavy construction (WKCD)
18	Area	C9	0.00002696	833959.6	817882.0	64.0	18.7	0.0	-89.9	Wind erosion (WKCD)
19	Area	C10	0.000019879	833981.7	817816.7	74.0	14.0	0.0	-51.7	Heavy construction (WKCD)
20	Area	C10	0.00002696	833981.7	817816.7	74.0	14.0	0.0	-51.7	Wind erosion (WKCD)
21	Area	C14	0.000019879	834200.5	817800.9	72.0	65.0	0.0	90.0	Heavy construction (WKCD)
22	Area	C14	0.00002696	834200.5	817800.9	72.0	65.0	0.0	90.0	Wind erosion (WKCD)
23	Area	C15	0.000019879	834456.1	818201.7	20.0	19.0	0.0	49.0	Heavy construction (WKCD)
24	Area	C15	0.00002696	834456.1	818201.7	20.0	19.0	0.0	49.0	Wind erosion (WKCD)
25	Area	C16	0.000019879	834427.0	818148.3	69.0	10.0	0.0	44.2	Heavy construction (WKCD)
26	Area	C16	0.00002696	834427.0	818148.3	69.0	10.0	0.0	44.2	Wind erosion (WKCD)
27	Area	C17	0.000019879	834473.0	818158.6	55.6	33.5	0.0	-86.0	Heavy construction (WKCD)
28	Area	C17	0.00002696	834473.0	818158.6	55.6	33.5	0.0	-86.0	Wind erosion (WKCD)
29	Area	C18	0.000019879	834430.5	818042.8	174.6	53.0	0.0	55.4	Heavy construction (WKCD)
30	Area	C18	0.00002696	834430.5	818042.8	174.6	53.0	0.0	55.4	Wind erosion (WKCD)
31	Area	C26	0.000019879	834681.4	818144.2	140.0	17.5	0.0	4.0	Heavy construction (WKCD)
32	Area	C26	0.00002696	834681.4	818144.2	140.0	17.5	0.0	4.0	Wind erosion (WKCD)
33	Area	C27	0.000019879	834723.0	818108.5	62.0	59.7	0.0	4.0	Heavy construction (WKCD)
34	Area	C27	0.00002696	834723.0	818108.5	62.0	59.7	0.0	4.0	Wind erosion (WKCD)
35	Area	C28	0.000019879	834624.9	818001.4	251.5	15.2	0.0	4.0	Heavy construction (WKCD)
36	Area	C28	0.00002696	834624.9	818001.4	251.5	15.2	0.0	4.0	Wind erosion (WKCD)
37	Area	C29	0.000019879	834807.7	818022.3	116.0	80.0	0.0	4.0	Heavy construction (WKCD)
38	Area	C29	0.00002696	834807.7	818022.3	116.0	80.0	0.0	4.0	Wind erosion (WKCD)
39	Area	C32	0.000019879	834946.6	818141.7	49.7	48.6	0.0	-86.0	Heavy construction (WKCD)
40	Area	C32	0.00002696	834946.6	818141.7	49.7	48.6	0.0	-86.0	Wind erosion (WKCD)
41	Area	C33	0.000019879	834953.3	818097.2	55.8	40.0	0.0	4.0	Heavy construction (WKCD)
42	Area	C33	0.00002696	834953.3	818097.2	55.8	40.0	0.0	4.0	Wind erosion (WKCD)
43	Area	C37	0.000019879	835075.4	818024.0	61.6	22.0	0.0	4.0	Heavy construction (WKCD)
44	Area	C37	0.00002696	835075.4	818024.0	61.6	22.0	0.0	4.0	Wind erosion (WKCD)
45	Area	C39	0.000019879	835128.2	818040.3	52.9	46.0	0.0	-86.0	Heavy construction (WKCD)
46	Area	C39	0.00002696	835128.2	818040.3	52.9	46.0	0.0	-86.0	Wind erosion (WKCD)
47	Area	C41	0.000019879	835166.8	818055.4	33.3	28.0	0.0	4.0	Heavy construction (WKCD)
48	Area	C41	0.00002696	835166.8	818055.4	33.3	28.0	0.0	4.0	Wind erosion (WKCD)
49	Area	C42	0.000019879	835185.2	818032.7	66.6	20.0	0.0	4.0	Heavy construction (WKCD)
50	Area	C42	0.00002696	835185.2	818032.7	66.6	20.0	0.0	4.0	Wind erosion (WKCD)
51	Area	C45	0.000019879	835243.1	818179.4	46.8	20.3	0.0	4.0	Heavy construction (WKCD)
52	Area	C45	0.00002696	835243.1	818179.4	46.8	20.3	0.0	4.0	Wind erosion (WKCD)
53	Area	C46	0.000019879	835236.6	818129.6	78.2	27.0	0.0	-86.0	Heavy construction (WKCD)
54	Area	C46	0.00002696	835236.6	818129.6	78.2	27.0	0.0	-86.0	Wind erosion (WKCD)
55	Area	C47	0.000019879	835265.1	818138.2	65.0	31.0	0.0	-86.0	Heavy construction (WKCD)
56	Area	C47	0.00002696	835265.1	818138.2	65.0	31.0	0.0	-86.0	Wind erosion (WKCD)
57	Area	C48	0.000019879	835305.0	818188.4	78.0	29.6	0.0	3.8	Heavy construction (WKCD)
58	Area	C48	0.00002696	835305.0	818188.4	78.0	29.6	0.0	3.8	Wind erosion (WKCD)
59	Area	C49	0.000019879	835303.7	818141.0	65.0	46.2	0.0	-86.4	Heavy construction (WKCD)
60	Area	C49	0.00002696	835303.7	818141.0	65.0	46.2	0.0	-86.4	Wind erosion (WKCD)
61	Area	C50	0.000019879	835284.6	818100.4	64.6	13.2	0.0	4.0	Heavy construction (WKCD)
62	Area	C50	0.00002696	835284.6	818100.4	64.6	13.2	0.0	4.0	Wind erosion (WKCD)
63	Area	C51	0.000019879	835331.2	818146.2	58.2	8.8	0.0	-85.8	Heavy construction (WKCD)
64	Area	C51	0.00002696	835331.2	818146.2	58.2	8.8	0.0	-85.8	Wind erosion (WKCD)
65	Area	C52	0.000019879	835326.8	818106.7	20.4	20.0	0.0	4.0	Heavy construction (WKCD)
66	Area	C52	0.00002696	835326.8	818106.7	20.4	20.0	0.0	4.0	Wind erosion (WKCD)
67	Area	C53	0.000019879	834539.3	818188.9	49.9	9.0	0.0	76.6	Heavy construction (WKCD)
68	Area	C53	0.00002696	834539.3	818188.9	49.9	9.0	0.0	76.6	Wind erosion (WKCD)
69	Area	C54	0.000019879	835303.8	818216.5	26.6	9.7	0.0	-87.6	Heavy construction (WKCD)
70	Area	C54	0.00002696	835303.8	818216.5	26.6	9.7	0.0	-87.6	Wind erosion (WKCD)
71	Area	CB1	0.000019879	834306.9	818306.0	22.6	15.7	0.0	-35.0	Heavy construction (WKCD)
72	Area	CB1	0.00002696	834306.9	818306.0	22.6	15.7	0.0	-35.0	Wind erosion (WKCD)
73	Area	CB2	0.000019879	834430.0	818240.2	19.1	14.0	0.0	-35.5	Heavy construction (WKCD)
74	Area	CB2	0.00002696	834430.0	818240.2	19.1	14.0	0.0	-35.5	Wind erosion (WKCD)
75	Area	CB3	0.000019879	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
76	Area	CB3	0.00002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
77	Area	CB4	0.000019879	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
78	Area	CB4	0.00002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
79	Area	CB5	0.000019879	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
80	Area	CB5	0.00002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
81	Point	EP1	0.016666667	835199.6	818095.5	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
82	Point	EP2	0.016666667	835197.6	818087.0	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
83	Point	EP3	0.000229840	835198.7	818094.0	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
84	Point	EP4	0.000229840	835196.5	818085.7	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
85	Point	EP5	0.010833334	835205.4	818088.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
86	Point	EP6	0.010833334	835207.0	818095.3	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.

Appendix 3.4 Tier 1 Data Input for Year 2014 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
87	Point	EP7	0.010833334	835194.8	818092.4	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
88	Point	EP8	0.010833334	835205.8	818083.0	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 22m.
89	Point	EP9	0.001635902	835232.6	818123.4	0.0	0.0	4.0	0.0	Concrete batching plant (XRL)
90	Point	EP10	0.001635902	834584.4	817939.9	0.0	0.0	7.0	0.0	Concrete batching plant (XRL)
91	Area	EP11-1	0.000163385	834978.3	818020.7	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
92	Area	EP11-2	0.000163385	835007.6	818027.3	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
93	Area	EP11-3	0.000163385	835032.4	818033.9	3.0	20.8	0.5	12.7	Haul road to concrete batching plant (XRL)
94	Area	EP11-4	0.000163385	835050.1	818040.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
95	Area	EP11-5	0.000163385	835079.9	818044.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
96	Area	EP11-6	0.000163385	835109.6	818048.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
97	Area	EP11-7	0.000163385	835139.4	818052.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
98	Area	EP11-8	0.000163385	835169.2	818056.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
99	Area	EP11-9	0.000163385	835186.0	818066.7	3.0	30.0	0.5	8.2	Haul road to concrete batching plant (XRL)
100	Area	EP11-10	0.000163385	835219.2	818062.5	3.0	9.1	0.5	8.2	Haul road to concrete batching plant (XRL)
101	Area	EP11-11	0.000163385	835239.5	818023.8	3.0	20.0	0.5	75.6	Haul road to concrete batching plant (XRL)
102	Area	EP11-12	0.000163385	835232.0	818033.9	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (XRL)
103	Area	EP11-13	0.000163385	835229.6	818063.7	3.0	21.7	0.5	96.1	Haul road to concrete batching plant (XRL)
104	Area	EP11-14	0.000163385	835228.9	818089.7	3.0	8.1	0.5	86.3	Haul road to concrete batching plant (XRL)
105	Area	EP11-15	0.000163385	835244.5	818102.7	3.0	30.0	0.5	75.2	Haul road to concrete batching plant (XRL)
106	Area	EP11-16	0.000163385	835241.5	818131.7	3.0	8.2	0.5	75.2	Haul road to concrete batching plant (XRL)
107	Area	EP12-1	0.000142480	834909.9	818016.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
108	Area	EP12-2	0.000142480	834939.8	818019.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
109	Area	EP12-3	0.000142480	834951.0	818024.2	3.0	8.4	0.5	3.0	Haul road to concrete batching plant (XRL)
110	Area	EP12-4	0.000142480	834765.2	817997.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
111	Area	EP12-5	0.000142480	834795.0	818001.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
112	Area	EP12-6	0.000142480	834824.7	818005.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
113	Area	EP12-7	0.000142480	834854.4	818010.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
114	Area	EP12-8	0.000142480	834895.8	818015.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
115	Area	EP12-9	0.000142480	834649.8	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
116	Area	EP12-10	0.000142480	834679.7	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
117	Area	EP12-11	0.000142480	834709.5	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
118	Area	EP12-12	0.000142480	834739.4	817995.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
119	Area	EP12-13	0.000142480	834759.9	817997.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (XRL)
120	Area	EP12-14	0.000142480	834600.6	817981.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
121	Area	EP12-15	0.000142480	834626.0	817984.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (XRL)
122	Area	EP13-1	0.000063499	834897.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
123	Area	EP13-2	0.000063499	834898.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
124	Area	EP13-3	0.000063499	834898.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
125	Area	EP13-4	0.000063499	834899.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
126	Area	EP13-5	0.000063499	834899.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
127	Area	EP13-6	0.000063499	834897.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (XRL)
128	Area	EP14-1	0.000008362	835223.4	818149.1	3.0	19.1	0.5	11.6	Haul road to concrete batching plant (XRL)
129	Area	EP14-2	0.000008362	835210.1	818188.3	3.0	21.0	0.5	71.7	Haul road to concrete batching plant (XRL)
130	Area	EP14-3	0.000008362	835204.0	818136.5	3.0	19.3	0.5	13.9	Haul road to concrete batching plant (XRL)
131	Area	EP15-1	0.000039954	835212.7	818158.4	3.0	19.3	0.5	1.8	Haul road to concrete batching plant (XRL)
132	Area	EP15-2	0.000039954	835220.7	818146.6	3.0	19.6	0.5	24.3	Haul road to concrete batching plant (XRL)
133	Area	EP16-1	0.000017038	835211.8	818147.7	3.0	30.0	0.5	13.8	Haul road to concrete batching plant (XRL)
134	Area	EP16-2	0.000017038	835205.7	818187.3	3.0	25.9	0.5	77.2	Haul road to concrete batching plant (XRL)
135	Area	EP17-1	0.000008520	835213.0	818125.9	3.0	19.9	0.5	19.8	Haul road to concrete batching plant (XRL)
136	Area	EP17-2	0.000008520	835195.8	818120.1	3.0	23.0	0.5	15.3	Haul road to concrete batching plant (XRL)
137	Area	EP18-1	0.000061220	834979.0	818017.8	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
138	Area	EP18-2	0.000061220	835008.3	818024.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (XRL)
139	Area	EP18-3	0.000061220	835032.8	818031.0	3.0	20.5	0.5	12.7	Haul road to concrete batching plant (XRL)
140	Area	EP18-4	0.000061220	835050.5	818037.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
141	Area	EP18-5	0.000061220	835080.3	818041.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
142	Area	EP18-6	0.000061220	835110.0	818045.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
143	Area	EP18-7	0.000061220	835139.8	818049.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
144	Area	EP18-8	0.000061220	835169.5	818053.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (XRL)
145	Area	EP18-9	0.000061220	835185.0	818063.9	3.0	30.0	0.5	8.3	Haul road to concrete batching plant (XRL)
146	Area	EP18-10	0.000061220	835218.7	818059.5	3.0	11.0	0.5	8.3	Haul road to concrete batching plant (XRL)
147	Area	EP18-11	0.000061220	835243.4	818020.4	3.0	23.2	0.5	75.6	Haul road to concrete batching plant (XRL)
148	Area	EP18-12	0.000061220	835235.0	818033.7	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (XRL)
149	Area	EP18-13	0.000061220	835232.5	818063.5	3.0	22.2	0.5	96.1	Haul road to concrete batching plant (XRL)
150	Area	EP18-14	0.000061220	835232.6	818089.9	3.0	7.0	0.5	86.5	Haul road to concrete batching plant (XRL)
151	Area	EP18-15	0.000061220	834910.3	818013.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
152	Area	EP18-16	0.000061220	834940.1	818016.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (XRL)
153	Area	EP18-17	0.000061220	834959.7	818019.9	3.0	8.7	0.5	6.0	Haul road to concrete batching plant (XRL)
154	Area	EP19-1	0.000054404	834795.6	817994.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
155	Area	EP19-2	0.000054404	834795.3	817998.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
156	Area	EP19-3	0.000054404	834825.0	818003.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
157	Area	EP19-4	0.000054404	834854.8	818007.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (XRL)
158	Area	EP19-5	0.000054404	834884.0	818011.1	3.0	12.3	0.5	7.8	Haul road to concrete batching plant (XRL)
159	Area	EP19-6	0.000054404	834650.1	817983.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
160	Area	EP19-7	0.000054404	834680.0	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
161	Area	EP19-8	0.000054404	834709.8	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
162	Area	EP19-9	0.000054404	834739.7	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
163	Area	EP19-10	0.000054404	834760.2	817994.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (XRL)
164	Area	EP19-11	0.000054404	834600.9	817978.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (XRL)
165	Area	EP19-12	0.000054404	834626.3	817981.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (XRL)
166	Area	EP20-1	0.000023102	834900.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
167	Area	EP20-2	0.000023102	834901.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
168	Area	EP20-3	0.000023102	834901.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
169	Area	EP20-4	0.000023102	834902.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
170	Area	EP20-5	0.000023102	834902.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (XRL)
171	Area	EP20-6	0.000023102	834900.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (XRL)
172	Area	EP21-1	0.000002727	835222.1	818158.9	3.0	20.1	0.5	31.8	Haul road to concrete batching plant (XRL)

Appendix 3.4 Tier 1 Data Input for Year 2014 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
173	Area	EP21-2	0.000002727	835202.8	818136.3	3.0	10.2	0.5	13.9	Haul road to concrete batching plant (XRL)
174	Area	EP22-1	0.000015248	835212.1	818138.2	3.0	19.3	0.5	35.7	Haul road to concrete batching plant (XRL)
175	Area	EP22-2	0.000015248	835219.6	818178.4	3.0	22.3	0.5	55.1	Haul road to concrete batching plant (XRL)
176	Area	EP23-1	0.000003258	835203.7	818113.6	3.0	7.8	0.5	46.4	Haul road to concrete batching plant (XRL)
177	Area	EP23-2	0.000003258	835212.2	818144.1	3.0	15.9	0.5	8.0	Haul road to concrete batching plant (XRL)
178	Area	EP23-3	0.000003258	835195.1	818122.7	3.0	22.9	0.5	9.5	Haul road to concrete batching plant (XRL)
179	Line	HR7A2	0.000193052	834987.0	818125.7	834987.0	817985.7	0.5	6.0	Haul Road to Barging Points (XRL)
180	Line	HR7B	0.000193052	834964.1	817983.2	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (XRL)
181	Line	HR7C	0.000193052	834898.1	818144.6	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (XRL)
182	Line	HR8A	0.000386104	834895.8	817976.0	834764.7	817958.0	0.5	6.0	Haul Road to Barging Points (XRL)
183	Line	HR8B	0.000386104	834767.7	817958.0	834637.5	817945.4	0.5	6.0	Haul Road to Barging Points (XRL)
184	Line	HR9	0.000308884	834637.5	817945.4	834588.3	817940.5	0.5	6.0	Haul Road to Barging Points (XRL)
185	Line	HR10A	0.000231663	834588.3	817940.5	834519.6	817934.4	0.5	6.0	Haul Road to Barging Points (XRL)
186	Line	HR10B	0.000231663	834519.6	817934.4	834425.8	817897.2	0.5	6.0	Haul Road to Barging Points (XRL)
187	Line	HR10C	0.000231663	834425.8	817897.2	834389.4	817855.7	0.5	6.0	Haul Road to Barging Points (XRL)
188	Line	HR11	0.000154442	834389.4	817855.7	834313.9	817770.0	0.5	6.0	Haul Road to Barging Points (XRL)
189	Line	HR12A	0.000077221	834313.9	817770.0	834289.8	817763.6	0.5	6.0	Haul Road to Barging Points (XRL)
190	Point	BP4	0.004266640	834640.0	817930.5	0.0	0.0	0.5	0.0	Barging Point (XRL)
191	Point	BP5	0.004266640	834591.9	817924.7	0.0	0.0	0.5	0.0	Barging Point (XRL)
192	Point	BP6	0.004266640	834397.5	817847.6	0.0	0.0	0.5	0.0	Barging Point (XRL)
193	Point	BP7	0.004266640	834328.6	817755.8	0.0	0.0	0.5	0.0	Barging Point (XRL)
194	Area	FF1	0.000029937	835264.6	818400.0	19.1	3.5	0.0	26.4	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
195	Area	FF1	0.000002696	835264.6	818400.0	19.1	3.5	0.0	26.4	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
196	Area	FF2	0.000029937	835287.4	818403.3	29.7	5.0	0.0	-19.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
197	Area	FF2	0.000002696	835287.4	818403.3	29.7	5.0	0.0	-19.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
198	Area	FF3	0.000029937	835310.6	818358.6	85.7	4.0	0.0	-75.7	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
199	Area	FF3	0.000002696	835310.6	818358.6	85.7	4.0	0.0	-75.7	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
200	Area	FF4	0.000029937	835341.7	818274.8	92.0	21.8	0.0	-75.7	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
201	Area	FF4	0.000002696	835341.7	818274.8	92.0	21.8	0.0	-75.7	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
202	Area	FF5	0.000029937	835323.0	818233.4	30.1	25.1	0.0	4.2	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
203	Area	FF5	0.000002696	835323.0	818233.4	30.1	25.1	0.0	4.2	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
204	Area	FF6	0.000029937	835331.4	818207.7	44.8	10.9	0.0	4.3	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
205	Area	FF6	0.000002696	835331.4	818207.7	44.8	10.9	0.0	4.3	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
206	Area	FF7	0.000029937	835334.3	818151.0	101.1	17.0	0.0	84.5	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)

Appendix 3.4 Tier 1 Data Input for Year 2014 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
207	Area	FF7	0.00002696	835334.3	818151.0	101.1	17.0	0.0	84.5	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
208	Area	FF8	0.000029937	835335.0	818074.9	48.6	12.6	0.0	-81.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
209	Area	FF8	0.00002696	835335.0	818074.9	48.6	12.6	0.0	-81.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
210	Area	FF9	0.000029937	835267.6	818533.5	3.0	3.0	0.0	90.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
211	Area	FF9	0.00002696	835267.6	818533.5	3.0	3.0	0.0	90.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
212	Area	AA9	0.000029937	834646.0	818747.7	65.6	13.2	0.0	70.8	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
213	Area	AA9	0.00002696	834646.0	818747.7	65.6	13.2	0.0	70.8	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
214	Area	AA10	0.000029937	834601.8	818627.1	191.9	21.2	0.0	67.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
215	Area	AA10	0.00002696	834601.8	818627.1	191.9	21.2	0.0	67.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
216	Area	AA11	0.000029937	834553.7	818489.5	98.1	24.2	0.0	78.1	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
217	Area	AA11	0.00002696	834553.7	818489.5	98.1	24.2	0.0	78.1	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
218	Area	AA12	0.000029937	834491.6	818452.8	216.7	18.2	0.0	60.3	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
219	Area	AA12	0.00002696	834491.6	818452.8	216.7	18.2	0.0	60.3	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HJ)
220	Point	PEP1	0.014833000	835164.5	818031.6	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
221	Point	PEP2	0.014833000	835164.1	818035.0	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
222	Point	PEP3	0.014833000	835169.7	818027.7	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
223	Point	PEP4	0.014833000	835170.0	818024.4	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
224	Point	PEP5	0.014833000	835172.9	818028.1	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
225	Point	PEP6	0.014833000	835167.6	818035.4	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
226	Point	PEP7	0.014833000	835167.9	818032.0	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
227	Point	PEP8	0.019778000	835171.5	818026.3	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
228	Point	PEP9	0.063150599	835212.2	818045.3	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
229	Point	PEP10	0.063150599	834543.2	817932.8	0.0	0.0	22.0	0.0	Concrete batching plant - Phase 2 (XRL)
230	Area	AEP 1-1	0.000140892	834545.7	817933.2	3.0	30.0	0.5	81.6	Haul road to concrete batching plant - Phase 2
231	Area	AEP 1-2	0.000140892	834575.4	817937.6	3.0	30.0	0.5	80.0	Haul road to concrete batching plant - Phase 2
232	Area	AEP 1-3	0.000140892	834604.9	817942.8	3.0	30.0	0.5	80.2	Haul road to concrete batching plant - Phase 2
233	Area	AEP 1-4	0.000140892	834634.5	817947.9	3.0	30.0	0.5	80.0	Haul road to concrete batching plant - Phase 2
234	Area	AEP 1-5	0.000140892	834664.0	817953.1	3.0	30.0	0.5	80.2	Haul road to concrete batching plant - Phase 2
235	Area	AEP 1-6	0.000140892	834693.6	817958.2	3.0	30.0	0.5	80.0	Haul road to concrete batching plant - Phase 2
236	Area	AEP 1-7	0.000140892	834723.1	817963.4	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
237	Area	AEP 1-8	0.000140892	834752.9	817967.2	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
238	Area	AEP 1-9	0.000140892	834782.6	817971.0	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
239	Area	AEP 1-10	0.000140892	834812.4	817974.8	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
240	Area	AEP 1-11	0.000140892	834842.2	817978.6	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
241	Area	AEP 1-12	0.000140892	834871.9	817982.4	3.0	24.2	0.5	82.6	Haul road to concrete batching plant - Phase 2
242	Area	AEP 2-1	0.000059858	834895.9	817985.6	3.0	30.0	0.5	0.8	Haul road to concrete batching plant - Phase 2
243	Area	AEP 2-2	0.000059858	834896.3	818015.6	3.0	30.0	0.5	0.6	Haul road to concrete batching plant - Phase 2
244	Area	AEP 2-3	0.000059858	834896.6	818045.6	3.0	30.0	0.5	0.8	Haul road to concrete batching plant - Phase 2
245	Area	AEP 2-4	0.000059858	834897.0	818075.6	3.0	30.0	0.5	0.6	Haul road to concrete batching plant - Phase 2
246	Area	AEP 2-5	0.000059858	834897.3	818105.6	3.0	30.0	0.5	0.8	Haul road to concrete batching plant - Phase 2
247	Area	AEP 2-6	0.000059858	834897.7	818135.6	3.0	30.0	0.5	0.8	Haul road to concrete batching plant - Phase 2
248	Area	AEP 2-7	0.000059858	834898.1	818165.6	3.0	3.5	0.5	0.0	Haul road to concrete batching plant - Phase 2
249	Area	AEP 3-1	0.000165407	834895.9	817985.5	3.0	30.0	0.5	82.9	Haul road to concrete batching plant - Phase 2
250	Area	AEP 3-2	0.000165407	834925.7	817989.2	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
251	Area	AEP 3-3	0.000165407	834955.4	817993.0	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
252	Area	AEP 3-4	0.000165407	834985.2	817996.8	3.0	25.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
253	Area	AEP 3-5	0.000000000	835015.0	818000.6	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
254	Area	AEP 3-6	0.000000000	835044.7	818004.4	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
255	Area	AEP 3-7	0.000000000	835074.5	818008.2	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
256	Area	AEP 3-8	0.000000000	835104.2	818012.0	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
257	Area	AEP 3-9	0.000000000	835134.0	818015.8	3.0	22.8	0.5	82.7	Haul road to concrete batching plant - Phase 2
258	Area	AEP 4-1	0.000000000	835156.6	818018.7	3.0	23.4	0.5	82.9	Haul road to concrete batching plant - Phase 2

Appendix 3.4 Tier 1 Data Input for Year 2014 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
259	Area	AEP 5-1	0000000000	835156.6	818018.7	3.0	13.8	0.5	-3.7	Haul road to concrete batching plant - Phase 2
260	Area	AEP 6-1	0.000035343	835179.8	818021.6	3.0	5.7	0.5	74.7	Haul road to concrete batching plant - Phase 2
261	Area	AEP 6-2	0.000035343	835185.3	818023.1	3.0	18.1	0.5	24.9	Haul road to concrete batching plant - Phase 2
262	Area	AEP 6-3	0.000035343	835192.9	818039.5	3.0	25.0	0.5	-124.4	Haul road to concrete batching plant - Phase 2
263	Area	AEP 7-1	0000000000	835179.7	818021.5	3.0	17.7	0.5	90.6	Haul road to concrete batching plant - Phase 2
264	Area	AEP 7-2	0000000000	835197.4	818021.3	3.0	30.0	0.5	58.5	Haul road to concrete batching plant - Phase 2
265	Area	AEP 7-3	0000000000	835223.0	818037.0	3.0	11.5	0.5	25.2	Haul road to concrete batching plant - Phase 2
266	Area	AEP 8-1	0.000105550	835212.2	818045.3	3.0	15.8	0.5	82.4	Haul road to concrete batching plant - Phase 2
267	Area	AEP 9-1	0000000000	835156.6	818018.7	3.0	13.8	0.5	-3.7	Haul road to concrete batching plant - Phase 2
268	Area	AEP 9-2	0.000007624	835179.8	818021.6	3.0	17.8	0.5	70.6	Haul road to concrete batching plant - Phase 2
269	Area	AEP 10-1	0000000000	835156.6	818018.7	3.0	23.4	0.5	82.9	Haul road to concrete batching plant - Phase 2
270	Area	AEP 11-1	0.000082936	835172.3	818025.4	3.0	24.4	0.5	85.1	Haul road to concrete batching plant - Phase 2
271	Area	AEP 12-1	0.000090559	835196.6	818027.5	3.0	16.2	0.5	66.8	Haul road to concrete batching plant - Phase 2
272	Area	AEP 12-2	0.000090559	835211.5	818033.9	3.0	30.0	0.5	42.3	Haul road to concrete batching plant - Phase 2
273	Area	AEP 13-1	0000000000	835231.7	818056.0	3.0	30.0	0.5	1.7	Haul road to concrete batching plant - Phase 2
274	Area	AEP 13-2	0000000000	835232.6	818086.0	3.0	30.0	0.5	13.5	Haul road to concrete batching plant - Phase 2
275	Area	AEP 13-3a	0000000000	835239.6	818115.2	3.0	15.0	0.5	19.1	Haul road to concrete batching plant - Phase 2
276	Area	AEP 13-3b	0.000090559	835247.8	818138.8	3.0	15.0	0.5	19.1	Haul road to concrete batching plant - Phase 2
277	Area	AEP 13-4	0.000090559	835249.4	818143.5	3.0	30.0	0.5	-2.7	Haul road to concrete batching plant - Phase 2
278	Area	AEP 13-5	0.000090559	835248.0	818173.5	3.0	30.0	0.5	-2.5	Haul road to concrete batching plant - Phase 2
279	Area	AEP 14-1	0.000049152	835212.2	818045.3	3.0	15.8	0.5	82.4	Haul road to concrete batching plant - Phase 2
280	Area	AEP 14-2	0.000049152	835190.4	818022.6	3.0	7.9	0.5	51.7	Haul road to concrete batching plant - Phase 2
281	Area	AEP 14-3	0.000049152	835196.6	818027.5	3.0	16.2	0.5	66.8	Haul road to concrete batching plant - Phase 2
282	Area	AEP 14-4	0.000049152	835211.5	818033.9	3.0	21.2	0.5	50.5	Haul road to concrete batching plant - Phase 2
283	Area	AEP 15-1	0000000000	835156.6	818015.7	3.0	30.0	0.5	82.9	Haul road to concrete batching plant - Phase 2
284	Area	AEP 15-2	0000000000	835186.4	818019.4	3.0	5.1	0.5	51.3	Haul road to concrete batching plant - Phase 2
285	Area	AEP 16-1	0.000131751	834892.9	817982.2	3.0	29.9	0.5	82.9	Haul road to concrete batching plant - Phase 2
286	Area	AEP 16-2	0.000131751	834922.6	817985.9	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
287	Area	AEP 16-3	0.000131751	834952.4	817989.7	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
288	Area	AEP 16-4	0.000131751	834982.2	817993.5	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
289	Area	AEP 16-5	0000000000	835011.9	817997.3	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
290	Area	AEP 16-6	0000000000	835041.7	818001.1	3.0	29.9	0.5	82.9	Haul road to concrete batching plant - Phase 2
291	Area	AEP 16-7	0000000000	835071.4	818004.8	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
292	Area	AEP 16-8	0000000000	835101.2	818008.6	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
293	Area	AEP 16-9	0000000000	835131.0	818012.4	3.0	25.8	0.5	82.7	Haul road to concrete batching plant - Phase 2
294	Area	AEP 17-1	0.000132191	834545.7	817933.2	3.0	30.0	0.5	81.6	Haul road to concrete batching plant - Phase 2
295	Area	AEP 17-2	0.000132191	834575.4	817937.6	3.0	30.1	0.5	81.2	Haul road to concrete batching plant - Phase 2
296	Area	AEP 17-3	0.000132191	834605.1	817942.2	3.0	30.0	0.5	81.2	Haul road to concrete batching plant - Phase 2
297	Area	AEP 17-4	0.000132191	834634.7	817946.8	3.0	30.0	0.5	81.4	Haul road to concrete batching plant - Phase 2
298	Area	AEP 17-5	0.000132191	834664.4	817951.3	3.0	30.0	0.5	81.2	Haul road to concrete batching plant - Phase 2
299	Area	AEP 17-6	0.000132191	834694.0	817955.9	3.0	30.0	0.5	81.4	Haul road to concrete batching plant - Phase 2
300	Area	AEP 17-7	0.000132191	834723.7	817960.4	3.0	30.0	0.5	82.5	Haul road to concrete batching plant - Phase 2
301	Area	AEP 17-8	0.000132191	834753.4	817964.3	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
302	Area	AEP 17-9	0.000132191	834783.2	817968.1	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
303	Area	AEP 17-10	0.000132191	834812.9	817971.9	3.0	30.0	0.5	82.7	Haul road to concrete batching plant - Phase 2
304	Area	AEP 17-11	0.000132191	834842.7	817975.7	3.0	29.9	0.5	82.7	Haul road to concrete batching plant - Phase 2
305	Area	AEP 17-12	0.000132191	834872.4	817979.5	3.0	20.7	0.5	82.5	Haul road to concrete batching plant - Phase 2

Appendix 3.4 Tier 1 Data Input for Year 2015 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	3	E1	0.000239495	834297.5	818332.8	145.0	23.5	0.0	55.0	Heavy construction (WKCD)
2	3	E1	0.000002696	834297.5	818332.8	145.0	23.5	0.0	55.0	Wind erosion (WKCD)
3	3	E2	0.000239495	834132.0	818269.2	240.1	5.5	0.0	0.0	Heavy construction (WKCD)
4	3	E2	0.000002696	834132.0	818269.2	240.1	5.5	0.0	0.0	Wind erosion (WKCD)
5	3	E3	0.000239495	834015.5	818232.9	67.0	11.5	0.0	-90.0	Heavy construction (WKCD)
6	3	E3	0.000002696	834015.5	818232.9	67.0	11.5	0.0	-90.0	Wind erosion (WKCD)
7	3	E4	0.000239495	833988.0	818173.2	68.0	11.0	0.0	53.6	Heavy construction (WKCD)
8	3	E4	0.000002696	833988.0	818173.2	68.0	11.0	0.0	53.6	Wind erosion (WKCD)
9	3	E5	0.000239495	833961.1	818108.0	69.0	22.5	0.0	-89.9	Heavy construction (WKCD)
10	3	E5	0.000002696	833961.1	818108.0	69.0	22.5	0.0	-89.9	Wind erosion (WKCD)
11	3	E6	0.000239495	833956.4	818048.8	49.5	12.9	0.0	-89.9	Heavy construction (WKCD)
12	3	E6	0.000002696	833956.4	818048.8	49.5	12.9	0.0	-89.9	Wind erosion (WKCD)
13	3	E7	0.000239495	833987.7	817947.4	27.6	27.6	0.0	-89.9	Heavy construction (WKCD)
14	3	E7	0.000002696	833987.7	817947.4	27.6	27.6	0.0	-89.9	Wind erosion (WKCD)
15	3	E8	0.000239495	833959.6	817882.0	64.0	18.7	0.0	-89.9	Heavy construction (WKCD)
16	3	E8	0.000002696	833959.6	817882.0	64.0	18.7	0.0	-89.9	Wind erosion (WKCD)
17	3	E9	0.000239495	833959.6	817882.0	64.0	18.7	0.0	-89.9	Heavy construction (WKCD)
18	3	E9	0.000002696	833959.6	817882.0	64.0	18.7	0.0	-89.9	Wind erosion (WKCD)
19	3	E10	0.000239495	833981.7	817816.7	74.0	14.0	0.0	-51.7	Heavy construction (WKCD)
20	3	E10	0.000002696	833981.7	817816.7	74.0	14.0	0.0	-51.7	Wind erosion (WKCD)
21	3	E11	0.000239495	834456.1	818201.7	20.0	19.0	0.0	49.0	Heavy construction (WKCD)
22	3	E11	0.000002696	834456.1	818201.7	20.0	19.0	0.0	49.0	Wind erosion (WKCD)
23	3	E12	0.000239495	834427.0	818148.3	69.0	10.0	0.0	44.2	Heavy construction (WKCD)
24	3	E12	0.000002696	834427.0	818148.3	69.0	10.0	0.0	44.2	Wind erosion (WKCD)
25	3	E13	0.000239495	834473.0	818158.6	55.6	33.5	0.0	-86.0	Heavy construction (WKCD)
26	3	E13	0.000002696	834473.0	818158.6	55.6	33.5	0.0	-86.0	Wind erosion (WKCD)
27	3	E14	0.000239495	834452.9	818097.6	65.3	43.7	0.0	4.0	Heavy construction (WKCD)
28	3	E14	0.000002696	834452.9	818097.6	65.3	43.7	0.0	4.0	Wind erosion (WKCD)
29	3	E15	0.000239495	834407.8	818081.8	26.8	18.5	0.0	4.0	Heavy construction (WKCD)
30	3	E15	0.000002696	834407.8	818081.8	26.8	18.5	0.0	4.0	Wind erosion (WKCD)
31	3	E16	0.000239495	834383.7	818076.9	21.9	12.0	0.0	4.0	Heavy construction (WKCD)
32	3	E16	0.000002696	834383.7	818076.9	21.9	12.0	0.0	4.0	Wind erosion (WKCD)
33	3	E17	0.000239495	834424.3	818065.7	101.3	16.0	0.0	4.0	Heavy construction (WKCD)
34	3	E17	0.000002696	834424.3	818065.7	101.3	16.0	0.0	4.0	Wind erosion (WKCD)
35	3	E18	0.000239495	834338.1	818041.4	36.0	33.0	0.0	0.0	Heavy construction (WKCD)
36	3	E18	0.000002696	834338.1	818041.4	36.0	33.0	0.0	0.0	Wind erosion (WKCD)
37	3	E19	0.000239495	834306.1	818002.9	97.0	41.0	0.0	0.0	Heavy construction (WKCD)
38	3	E19	0.000002696	834306.1	818002.9	97.0	41.0	0.0	0.0	Wind erosion (WKCD)
39	3	E20	0.000239495	834292.5	817952.9	124.1	59.0	0.0	0.0	Heavy construction (WKCD)
40	3	E20	0.000002696	834292.5	817952.9	124.1	59.0	0.0	0.0	Wind erosion (WKCD)
41	3	E21	0.000239495	834450.0	818050.2	22.7	18.5	0.0	4.0	Heavy construction (WKCD)
42	3	E21	0.000002696	834450.0	818050.2	22.7	18.5	0.0	4.0	Wind erosion (WKCD)
43	3	E22	0.000239495	834429.7	818034.5	47.0	19.9	0.0	-86.0	Heavy construction (WKCD)
44	3	E22	0.000002696	834429.7	818034.5	47.0	19.9	0.0	-86.0	Wind erosion (WKCD)
45	3	E23	0.000239495	834398.7	818019.8	72.0	43.9	0.0	-86.0	Heavy construction (WKCD)
46	3	E23	0.000002696	834398.7	818019.8	72.0	43.9	0.0	-86.0	Wind erosion (WKCD)
47	3	E24	0.000239495	834391.1	817969.1	28.0	21.6	0.0	-86.0	Heavy construction (WKCD)
48	3	E24	0.000002696	834391.1	817969.1	28.0	21.6	0.0	-86.0	Wind erosion (WKCD)
49	3	E25	0.000239495	834515.6	818141.9	49.1	45.0	0.0	4.0	Heavy construction (WKCD)
50	3	E25	0.000002696	834515.6	818141.9	49.1	45.0	0.0	4.0	Wind erosion (WKCD)
51	3	E26	0.000239495	834565.3	818140.7	50.0	35.6	0.0	4.0	Heavy construction (WKCD)
52	3	E26	0.000002696	834565.3	818140.7	50.0	35.6	0.0	4.0	Wind erosion (WKCD)
53	3	E27	0.000239495	834458.0	818026.4	218.2	10.9	0.0	55.4	Heavy construction (WKCD)
54	3	E27	0.000002696	834458.0	818026.4	218.2	10.9	0.0	55.4	Wind erosion (WKCD)
55	3	E28	0.000239495	834523.6	818120.2	44.8	33.5	0.0	0.0	Heavy construction (WKCD)
56	3	E28	0.000002696	834523.6	818120.2	44.8	33.5	0.0	0.0	Wind erosion (WKCD)
57	3	E29	0.000239495	834472.5	818120.2	52.2	28.2	0.0	0.0	Heavy construction (WKCD)
58	3	E29	0.000002696	834472.5	818120.2	52.2	28.2	0.0	0.0	Wind erosion (WKCD)
59	3	E30	0.000239495	834440.7	817947.4	41.2	22.3	0.0	4.0	Heavy construction (WKCD)
60	3	E30	0.000002696	834440.7	817947.4	41.2	22.3	0.0	4.0	Wind erosion (WKCD)
61	3	E31	0.000239495	834541.7	818055.0	217.1	8.7	0.0	51.5	Heavy construction (WKCD)
62	3	E31	0.000002696	834541.7	818055.0	217.1	8.7	0.0	51.5	Wind erosion (WKCD)
63	3	E32	0.000239495	834561.7	818044.3	28.7	21.8	0.0	4.0	Heavy construction (WKCD)
64	3	E32	0.000002696	834561.7	818044.3	28.7	21.8	0.0	4.0	Wind erosion (WKCD)
65	3	E33	0.000239495	834553.4	818019.8	48.7	26.0	0.0	4.0	Heavy construction (WKCD)
66	3	E33	0.000002696	834553.4	818019.8	48.7	26.0	0.0	4.0	Wind erosion (WKCD)
67	3	E34	0.000239495	834543.6	817989.0	72.5	34.0	0.0	4.0	Heavy construction (WKCD)
68	3	E34	0.000002696	834543.6	817989.0	72.5	34.0	0.0	4.0	Wind erosion (WKCD)
69	3	E35	0.000239495	834597.0	817961.4	272.5	28.5	0.0	4.0	Heavy construction (WKCD)
70	3	E35	0.000002696	834597.0	817961.4	272.5	28.5	0.0	4.0	Wind erosion (WKCD)
71	3	E36	0.000239495	834442.2	817920.8	173.5	31.0	0.0	4.0	Heavy construction (WKCD)
72	3	E36	0.000002696	834442.2	817920.8	173.5	31.0	0.0	4.0	Wind erosion (WKCD)
73	3	E37	0.000239495	834442.5	817890.9	82.5	28.7	0.0	4.0	Heavy construction (WKCD)
74	3	E37	0.000002696	834442.5	817890.9	82.5	28.7	0.0	4.0	Wind erosion (WKCD)
75	3	E38	0.000239495	834348.8	817811.0	165.0	24.4	0.0	48.8	Heavy construction (WKCD)
76	3	E38	0.000002696	834348.8	817811.0	165.0	24.4	0.0	48.8	Wind erosion (WKCD)
77	3	E39	0.000239495	834665.2	818027.5	93.8	72.5	0.0	-86.0	Heavy construction (WKCD)
78	3	E39	0.000002696	834665.2	818027.5	93.8	72.5	0.0	-86.0	Wind erosion (WKCD)
79	3	E40	0.000239495	834611.7	817938.0	167.1	20.3	0.0	4.0	Heavy construction (WKCD)
80	3	E40	0.000002696	834611.7	817938.0	167.1	20.3	0.0	4.0	Wind erosion (WKCD)
81	3	E41	0.000239495	834765.4	818128.2	61.1	25.5	0.0	-86.0	Heavy construction (WKCD)
82	3	E41	0.000002696	834765.4	818128.2	61.1	25.5	0.0	-86.0	Wind erosion (WKCD)
83	3	E42	0.000239495	834841.0	818083.8	170.1	38.0	0.0	4.0	Heavy construction (WKCD)
84	3	E42	0.000002696	834841.0	818083.8	170.1	38.0	0.0	4.0	Wind erosion (WKCD)
85	3	E43	0.000239495	834800.9	817974.7	136.2	14.1	0.0	4.0	Heavy construction (WKCD)
86	3	E43	0.000002696	834800.9	817974.7	136.2	14.1	0.0	4.0	Wind erosion (WKCD)
87	3	E44	0.000239495	834786.6	817954.4	183.4	16.6	0.0	6.6	Heavy construction (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2015 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
88	3	E44	0.000002696	834786.6	817954.4	183.4	16.6	0.0	6.6	Wind erosion (WKCD)
89	3	E45	0.000239495	834827.3	818160.7	102.5	4.9	0.0	4.0	Heavy construction (WKCD)
90	3	E45	0.000002696	834827.3	818160.7	102.5	4.9	0.0	4.0	Wind erosion (WKCD)
91	3	E46	0.000239495	834908.5	818135.7	56.3	28.3	0.0	-86.0	Heavy construction (WKCD)
92	3	E46	0.000002696	834908.5	818135.7	56.3	28.3	0.0	-86.0	Wind erosion (WKCD)
93	3	E47	0.000239495	834898.0	818024.8	87.7	64.6	0.0	-86.0	Heavy construction (WKCD)
94	3	E47	0.000002696	834898.0	818024.8	87.7	64.6	0.0	-86.0	Wind erosion (WKCD)
95	3	E48	0.000239495	834940.1	817976.2	125.8	16.5	0.0	10.2	Heavy construction (WKCD)
96	3	E48	0.000002696	834940.1	817976.2	125.8	16.5	0.0	10.2	Wind erosion (WKCD)
97	3	E49	0.000239495	834927.0	818172.2	97.9	14.0	0.0	4.0	Heavy construction (WKCD)
98	3	E49	0.000002696	834927.0	818172.2	97.9	14.0	0.0	4.0	Wind erosion (WKCD)
99	3	E50	0.000239495	834975.0	818017.1	47.9	46.5	0.0	4.0	Heavy construction (WKCD)
100	3	E50	0.000002696	834975.0	818017.1	47.9	46.5	0.0	4.0	Wind erosion (WKCD)
101	3	E51	0.000239495	834993.8	818120.3	125.7	28.1	0.0	-86.0	Heavy construction (WKCD)
102	3	E51	0.000002696	834993.8	818120.3	125.7	28.1	0.0	-86.0	Wind erosion (WKCD)
103	3	E52	0.000239495	835072.9	818173.1	137.1	30.5	0.0	3.6	Heavy construction (WKCD)
104	3	E52	0.000002696	835072.9	818173.1	137.1	30.5	0.0	3.6	Wind erosion (WKCD)
105	3	E53	0.000239495	835076.9	818114.6	137.1	86.2	0.0	4.0	Heavy construction (WKCD)
106	3	E53	0.000002696	835076.9	818114.6	137.1	86.2	0.0	4.0	Wind erosion (WKCD)
107	3	E54	0.000239495	835061.2	818052.1	97.0	36.0	0.0	4.0	Heavy construction (WKCD)
108	3	E54	0.000002696	835061.2	818052.1	97.0	36.0	0.0	4.0	Wind erosion (WKCD)
109	3	E55	0.000239495	835161.6	818126.8	115.0	33.4	0.0	-86.0	Heavy construction (WKCD)
110	3	E55	0.000002696	835161.6	818126.8	115.0	33.4	0.0	-86.0	Wind erosion (WKCD)
111	3	E56	0.000239495	835130.1	818002.1	258.8	19.6	0.0	7.0	Heavy construction (WKCD)
112	3	E56	0.000002696	835130.1	818002.1	258.8	19.6	0.0	7.0	Wind erosion (WKCD)
113	3	E57	0.000239495	835196.1	818084.1	81.1	29.6	0.0	-86.0	Heavy construction (WKCD)
114	3	E57	0.000002696	835196.1	818084.1	81.1	29.6	0.0	-86.0	Wind erosion (WKCD)
115	3	E58	0.000239495	835215.2	818134.0	121.9	15.3	0.0	-86.0	Heavy construction (WKCD)
116	3	E58	0.000002696	835215.2	818134.0	121.9	15.3	0.0	-86.0	Wind erosion (WKCD)
117	3	E59	0.000239495	835223.1	818049.3	48.0	11.3	0.0	-86.0	Heavy construction (WKCD)
118	3	E59	0.000002696	835223.1	818049.3	48.0	11.3	0.0	-86.0	Wind erosion (WKCD)
119	3	E60	0.000239495	835267.8	818146.6	107.9	91.6	0.0	-86.0	Heavy construction (WKCD)
120	3	E60	0.000002696	835267.8	818146.6	107.9	91.6	0.0	-86.0	Wind erosion (WKCD)
121	3	E61	0.000239495	834200.5	817800.9	72.0	65.0	0.0	90.0	Heavy construction (WKCD)
122	3	E61	0.000002696	834200.5	817800.9	72.0	65.0	0.0	90.0	Wind erosion (WKCD)
123	3	EB1	0.000239495	834306.9	818306.0	22.6	15.7	0.0	-35.0	Heavy construction (WKCD)
124	3	EB1	0.000002696	834306.9	818306.0	22.6	15.7	0.0	-35.0	Wind erosion (WKCD)
125	3	EB2	0.000239495	834430.0	818240.2	19.1	14.0	0.0	-35.5	Heavy construction (WKCD)
126	3	EB2	0.000002696	834430.0	818240.2	19.1	14.0	0.0	-35.5	Wind erosion (WKCD)
127	3	EB3	0.000239495	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
128	3	EB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
129	3	EB4	0.000239495	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
130	3	EB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
131	3	EB5	0.000239495	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
132	3	EB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
133	1	EP1	0.016666667	835199.6	818095.5	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
134	1	EP2	0.016666667	835197.6	818087.0	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
135	1	EP3	0.000229840	835198.7	818094.0	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
136	1	EP4	0.000229840	835196.5	818085.7	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
137	1	EP5	0.010833334	835205.4	818088.9	0.0	0.0	20.0	0.0	Concrete batching plant (WKCD). 20m is height set in the model run, actual height is 21m.
138	1	EP6	0.010833334	835207.0	818095.3	0.0	0.0	20.0	0.0	Concrete batching plant (WKCD). 20m is height set in the model run, actual height is 21m.
139	1	EP7	0.010833334	835194.8	818092.4	0.0	0.0	20.0	0.0	Concrete batching plant (WKCD). 20m is height set in the model run, actual height is 21m.
140	1	EP8	0.010833334	835205.8	818083.0	0.0	0.0	20.0	0.0	Concrete batching plant (WKCD). 20m is height set in the model run, actual height is 21m.
141	1	EP9	0.001635902	835122.6	818097.6	0.0	0.0	4.0	0.0	Concrete batching plant (WKCD)
142	1	EP10	0.001635902	834584.4	817939.9	0.0	0.0	7.0	0.0	Concrete batching plant (WKCD)
143	3	EP11-1	0.000163385	834978.3	818020.7	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
144	3	EP11-2	0.000163385	835007.6	818027.3	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
145	3	EP11-3	0.000163385	835032.4	818033.9	3.0	20.8	0.5	12.7	Haul road to concrete batching plant (WKCD)
146	3	EP11-4	0.000163385	835050.1	818040.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
147	3	EP11-5	0.000163385	835079.9	818044.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
148	3	EP11-6	0.000163385	835109.6	818048.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
149	3	EP11-7	0.000163385	835139.4	818052.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
150	3	EP11-8	0.000163385	835169.2	818056.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
151	3	EP11-9	0.000163385	835186.0	818066.7	3.0	30.0	0.5	8.2	Haul road to concrete batching plant (WKCD)
152	3	EP11-10	0.000163385	835219.2	818062.5	3.0	9.1	0.5	8.2	Haul road to concrete batching plant (WKCD)
153	3	EP11-11	0.000163385	835239.5	818023.8	3.0	20.0	0.5	75.6	Haul road to concrete batching plant (WKCD)
154	3	EP11-12	0.000163385	835232.0	818033.9	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (WKCD)
155	3	EP11-13	0.000163385	835229.6	818063.7	3.0	21.7	0.5	96.1	Haul road to concrete batching plant (WKCD)
156	3	EP11-14	0.000163385	835228.9	818089.7	3.0	8.1	0.5	86.3	Haul road to concrete batching plant (WKCD)
157	3	EP11-15	0.000163385	835244.5	818102.7	3.0	30.0	0.5	75.2	Haul road to concrete batching plant (WKCD)
158	3	EP11-16	0.000163385	835241.5	818131.7	3.0	8.2	0.5	75.2	Haul road to concrete batching plant (WKCD)
159	3	EP12-1	0.000142480	834909.9	818016.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
160	3	EP12-2	0.000142480	834939.8	818019.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
161	3	EP12-3	0.000142480	834951.0	818024.2	3.0	8.4	0.5	3.0	Haul road to concrete batching plant (WKCD)
162	3	EP12-4	0.000142480	834765.2	817997.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
163	3	EP12-5	0.000142480	834795.0	818001.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
164	3	EP12-6	0.000142480	834824.7	818005.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
165	3	EP12-7	0.000142480	834854.4	818010.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
166	3	EP12-8	0.000142480	834895.8	818015.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
167	3	EP12-9	0.000142480	834649.8	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
168	3	EP12-10	0.000142480	834679.7	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
169	3	EP12-11	0.000142480	834709.5	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)



Appendix 3.4 Tier 1 Data Input for Year 2015 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
170	3	EP12-12	0.000142480	834739.4	817995.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
171	3	EP12-13	0.000142480	834759.9	817997.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (WKCD)
172	3	EP12-14	0.000142480	834600.6	817981.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
173	3	EP12-15	0.000142480	834626.0	817984.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (WKCD)
174	3	EP13-1	0.000063499	834897.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
175	3	EP13-2	0.000063499	834898.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
176	3	EP13-3	0.000063499	834898.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
177	3	EP13-4	0.000063499	834899.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
178	3	EP13-5	0.000063499	834899.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
179	3	EP13-6	0.000063499	834897.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (WKCD)
180	3	EP14-1	0.000008362	835223.4	818149.1	3.0	19.1	0.5	11.6	Haul road to concrete batching plant (WKCD)
181	3	EP14-2	0.000008362	835210.1	818188.3	3.0	21.0	0.5	71.7	Haul road to concrete batching plant (WKCD)
182	3	EP14-3	0.000008362	835204.0	818136.5	3.0	19.3	0.5	13.9	Haul road to concrete batching plant (WKCD)
183	3	EP15-1	0.000039954	835212.7	818158.4	3.0	19.3	0.5	1.8	Haul road to concrete batching plant (WKCD)
184	3	EP15-2	0.000039954	835220.7	818146.6	3.0	19.6	0.5	24.3	Haul road to concrete batching plant (WKCD)
185	3	EP16-1	0.000017038	835211.8	818147.7	3.0	30.0	0.5	13.8	Haul road to concrete batching plant (WKCD)
186	3	EP16-2	0.000017038	835205.7	818187.3	3.0	25.9	0.5	77.2	Haul road to concrete batching plant (WKCD)
187	3	EP17-1	0.000008520	835213.0	818125.9	3.0	19.9	0.5	19.8	Haul road to concrete batching plant (WKCD)
188	3	EP17-2	0.000008520	835195.8	818120.1	3.0	23.0	0.5	15.3	Haul road to concrete batching plant (WKCD)
189	3	EP18-1	0.000061220	834979.0	818017.8	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
190	3	EP18-2	0.000061220	835008.3	818024.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
191	3	EP18-3	0.000061220	835032.8	818031.0	3.0	20.5	0.5	12.7	Haul road to concrete batching plant (WKCD)
192	3	EP18-4	0.000061220	835050.5	818037.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
193	3	EP18-5	0.000061220	835080.3	818041.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
194	3	EP18-6	0.000061220	835110.0	818045.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
195	3	EP18-7	0.000061220	835139.8	818049.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
196	3	EP18-8	0.000061220	835169.5	818053.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
197	3	EP18-9	0.000061220	835185.0	818063.9	3.0	30.0	0.5	8.3	Haul road to concrete batching plant (WKCD)
198	3	EP18-10	0.000061220	835218.7	818059.5	3.0	11.0	0.5	8.3	Haul road to concrete batching plant (WKCD)
199	3	EP18-11	0.000061220	835243.4	818020.4	3.0	23.2	0.5	75.6	Haul road to concrete batching plant (WKCD)
200	3	EP18-12	0.000061220	835235.0	818033.7	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (WKCD)
201	3	EP18-13	0.000061220	835232.5	818063.5	3.0	22.2	0.5	96.1	Haul road to concrete batching plant (WKCD)
202	3	EP18-14	0.000061220	835232.6	818089.9	3.0	7.0	0.5	86.5	Haul road to concrete batching plant (WKCD)
203	3	EP18-15	0.000061220	834910.3	818013.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
204	3	EP18-16	0.000061220	834940.1	818016.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
205	3	EP18-17	0.000061220	834959.7	818019.9	3.0	8.7	0.5	6.0	Haul road to concrete batching plant (WKCD)
206	3	EP19-1	0.000054404	834795.6	817994.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
207	3	EP19-2	0.000054404	834795.3	817998.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
208	3	EP19-3	0.000054404	834825.0	818003.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
209	3	EP19-4	0.000054404	834854.8	818007.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
210	3	EP19-5	0.000054404	834884.0	818011.1	3.0	12.3	0.5	7.8	Haul road to concrete batching plant (WKCD)
211	3	EP19-6	0.000054404	834650.1	817983.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
212	3	EP19-7	0.000054404	834680.0	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
213	3	EP19-8	0.000054404	834709.8	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
214	3	EP19-9	0.000054404	834739.7	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
215	3	EP19-10	0.000054404	834760.2	817994.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (WKCD)
216	3	EP19-11	0.000054404	834600.9	817978.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
217	3	EP19-12	0.000054404	834626.3	817981.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (WKCD)
218	3	EP20-1	0.000023102	834900.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
219	3	EP20-2	0.000023102	834901.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
220	3	EP20-3	0.000023102	834901.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
221	3	EP20-4	0.000023102	834902.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
222	3	EP20-5	0.000023102	834902.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
223	3	EP20-6	0.000023102	834900.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (WKCD)
224	3	EP21-1	0.000002727	835222.1	818158.9	3.0	20.1	0.5	31.8	Haul road to concrete batching plant (WKCD)
225	3	EP21-2	0.000002727	835202.8	818136.3	3.0	10.2	0.5	13.9	Haul road to concrete batching plant (WKCD)
226	3	EP22-1	0.000015247	835212.1	818138.2	3.0	19.3	0.5	35.7	Haul road to concrete batching plant (WKCD)
227	3	EP22-2	0.000015247	835219.6	818178.4	3.0	22.3	0.5	55.1	Haul road to concrete batching plant (WKCD)
228	3	EP23-1	0.000003258	835203.7	818113.6	3.0	7.8	0.5	46.4	Haul road to concrete batching plant (WKCD)
229	3	EP23-2	0.000003258	835212.2	818144.1	3.0	15.9	0.5	8.0	Haul road to concrete batching plant (WKCD)
230	3	EP23-3	0.000003258	835195.1	818122.7	3.0	22.9	0.5	9.5	Haul road to concrete batching plant (WKCD)
231	2	HR7A3	0.000000001	835002.8	818127.3	835002.8	817987.3	0.5	6.0	Haul Road to Barging Points (WKCD)
232	2	HR7B	0.000000001	834964.1	817983.2	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (WKCD)
233	2	HR7C 1	0.000000001	834943.9	818149.5	834941.6	817980.9	0.5	6.0	Haul Road to Barging Points (WKCD)
234	2	HR8A	0.000000001	834895.8	817976.0	834764.7	817958.0	0.5	6.0	Haul Road to Barging Points (WKCD)
235	2	HR8B	0.000000001	834767.7	817958.0	834637.5	817945.4	0.5	6.0	Haul Road to Barging Points (WKCD)
236	2	HR9	0.000000001	834637.5	817945.4	834588.3	817940.5	0.5	6.0	Haul Road to Barging Points (WKCD)
237	2	HR10A	0.000000001	834588.3	817940.5	834519.6	817934.4	0.5	6.0	Haul Road to Barging Points (WKCD)
238	2	HR10B	0.000000001	834519.6	817934.4	834425.8	817897.2	0.5	6.0	Haul Road to Barging Points (WKCD)
239	2	HR10C	0.000000001	834425.8	817897.2	834389.4	817855.7	0.5	6.0	Haul Road to Barging Points (WKCD)
240	2	HR11	0.000000001	834389.4	817855.7	834313.9	817770.0	0.5	6.0	Haul Road to Barging Points (WKCD)
241	2	HR12A	0.000000001	834313.9	817770.0	834289.8	817763.6	0.5	6.0	Haul Road to Barging Points (WKCD)
242	1	BP4	0.004266640	834640.0	817930.5	0.0	0.0	0.5	0.0	Barging Point (WKCD)
243	1	BP5	0.004266640	834591.9	817924.7	0.0	0.0	0.5	0.0	Barging Point (WKCD)
244	1	BP6	0.004266640	834397.5	817847.6	0.0	0.0	0.5	0.0	Barging Point (WKCD)
245	1	BP7	0.004266640	834328.6	817755.8	0.0	0.0	0.5	0.0	Barging Point (WKCD)
246	3	FF1	0.000029937	835264.6	818400.0	19.1	3.5	0.0	26.4	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
247	3	FF1	0.000002696	835264.6	818400.0	19.1	3.5	0.0	26.4	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)

Appendix 3.4 Tier 1 Data Input for Year 2015 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
248	3	FF2	0.000029937	835287.4	818403.3	29.7	5.0	0.0	-19.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
249	3	FF2	0.000002696	835287.4	818403.3	29.7	5.0	0.0	-19.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
250	3	FF3	0.000029937	835310.6	818358.6	85.7	4.0	0.0	-75.7	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
251	3	FF3	0.000002696	835310.6	818358.6	85.7	4.0	0.0	-75.7	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
252	3	FF4	0.000029937	835341.7	818274.8	92.0	21.8	0.0	-75.7	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
253	3	FF4	0.000002696	835341.7	818274.8	92.0	21.8	0.0	-75.7	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
254	3	FF5	0.000029937	835323.0	818233.4	30.1	25.1	0.0	4.2	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
255	3	FF5	0.000002696	835323.0	818233.4	30.1	25.1	0.0	4.2	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
256	3	FF6	0.000029937	835331.4	818207.7	44.8	10.9	0.0	4.3	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
257	3	FF6	0.000002696	835331.4	818207.7	44.8	10.9	0.0	4.3	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
258	3	FF7	0.000029937	835334.3	818151.0	101.1	17.0	0.0	84.5	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
259	3	FF7	0.000002696	835334.3	818151.0	101.1	17.0	0.0	84.5	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
260	3	FF8	0.000029937	835335.0	818074.9	48.6	12.6	0.0	-81.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
261	3	FF8	0.000002696	835335.0	818074.9	48.6	12.6	0.0	-81.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
262	3	FF9	0.000029937	835267.6	818533.5	3.0	3.0	0.0	90.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
263	3	FF9	0.000002696	835267.6	818533.5	3.0	3.0	0.0	90.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
264	3	AA9	0.000029937	834646.0	818747.7	65.6	13.2	0.0	70.8	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
265	3	AA9	0.000002696	834646.0	818747.7	65.6	13.2	0.0	70.8	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
266	3	AA10	0.000029937	834601.8	818627.1	191.9	21.2	0.0	67.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
267	3	AA10	0.000002696	834601.8	818627.1	191.9	21.2	0.0	67.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
268	3	AA11	0.000029937	834553.7	818489.5	98.1	24.2	0.0	78.1	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
269	3	AA11	0.000002696	834553.7	818489.5	98.1	24.2	0.0	78.1	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
270	3	AA12	0.000029937	834491.6	818452.8	216.7	18.2	0.0	60.3	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
271	3	AA12	0.000002696	834491.6	818452.8	216.7	18.2	0.0	60.3	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)

Appendix 3.4 Tier 1 Data Input for Year 2015 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	E1	0.000019879	834297.5	818332.8	145.0	23.5	0.0	55.0	Heavy construction (WKCD)
2	Area	E1	0.000002696	834297.5	818332.8	145.0	23.5	0.0	55.0	Wind erosion (WKCD)
3	Area	E2	0.000019879	834132.0	818269.2	240.1	5.5	0.0	0.0	Heavy construction (WKCD)
4	Area	E2	0.000002696	834132.0	818269.2	240.1	5.5	0.0	0.0	Wind erosion (WKCD)
5	Area	E3	0.000019879	834015.5	818232.9	67.0	11.5	0.0	-90.0	Heavy construction (WKCD)
6	Area	E3	0.000002696	834015.5	818232.9	67.0	11.5	0.0	-90.0	Wind erosion (WKCD)
7	Area	E4	0.000019879	833988.0	818173.2	68.0	11.0	0.0	53.6	Heavy construction (WKCD)
8	Area	E4	0.000002696	833988.0	818173.2	68.0	11.0	0.0	53.6	Wind erosion (WKCD)
9	Area	E5	0.000019879	833961.1	818108.0	69.0	22.5	0.0	-89.9	Heavy construction (WKCD)
10	Area	E5	0.000002696	833961.1	818108.0	69.0	22.5	0.0	-89.9	Wind erosion (WKCD)
11	Area	E6	0.000019879	833956.4	818048.8	49.5	12.9	0.0	-89.9	Heavy construction (WKCD)
12	Area	E6	0.000002696	833956.4	818048.8	49.5	12.9	0.0	-89.9	Wind erosion (WKCD)
13	Area	E7	0.000019879	833987.7	817947.4	27.6	27.6	0.0	-89.9	Heavy construction (WKCD)
14	Area	E7	0.000002696	833987.7	817947.4	27.6	27.6	0.0	-89.9	Wind erosion (WKCD)
15	Area	E8	0.000019879	833959.6	817882.0	64.0	18.7	0.0	-89.9	Heavy construction (WKCD)
16	Area	E8	0.000002696	833959.6	817882.0	64.0	18.7	0.0	-89.9	Wind erosion (WKCD)
17	Area	E9	0.000019879	833959.6	817882.0	64.0	18.7	0.0	-89.9	Heavy construction (WKCD)
18	Area	E9	0.000002696	833959.6	817882.0	64.0	18.7	0.0	-89.9	Wind erosion (WKCD)
19	Area	E10	0.000019879	833981.7	817816.7	74.0	14.0	0.0	-51.7	Heavy construction (WKCD)
20	Area	E10	0.000002696	833981.7	817816.7	74.0	14.0	0.0	-51.7	Wind erosion (WKCD)
21	Area	E11	0.000019879	834456.1	818201.7	20.0	19.0	0.0	49.0	Heavy construction (WKCD)
22	Area	E11	0.000002696	834456.1	818201.7	20.0	19.0	0.0	49.0	Wind erosion (WKCD)
23	Area	E12	0.000019879	834427.0	818148.3	69.0	10.0	0.0	44.2	Heavy construction (WKCD)
24	Area	E12	0.000002696	834427.0	818148.3	69.0	10.0	0.0	44.2	Wind erosion (WKCD)
25	Area	E13	0.000019879	834473.0	818158.6	55.6	33.5	0.0	-86.0	Heavy construction (WKCD)
26	Area	E13	0.000002696	834473.0	818158.6	55.6	33.5	0.0	-86.0	Wind erosion (WKCD)
27	Area	E14	0.000019879	834452.9	818097.6	65.3	43.7	0.0	4.0	Heavy construction (WKCD)
28	Area	E14	0.000002696	834452.9	818097.6	65.3	43.7	0.0	4.0	Wind erosion (WKCD)
29	Area	E15	0.000019879	834407.8	818081.8	26.8	18.5	0.0	4.0	Heavy construction (WKCD)
30	Area	E15	0.000002696	834407.8	818081.8	26.8	18.5	0.0	4.0	Wind erosion (WKCD)
31	Area	E16	0.000019879	834383.7	818076.9	21.9	12.0	0.0	4.0	Heavy construction (WKCD)
32	Area	E16	0.000002696	834383.7	818076.9	21.9	12.0	0.0	4.0	Wind erosion (WKCD)
33	Area	E17	0.000019879	834424.3	818065.7	101.3	16.0	0.0	4.0	Heavy construction (WKCD)
34	Area	E17	0.000002696	834424.3	818065.7	101.3	16.0	0.0	4.0	Wind erosion (WKCD)
35	Area	E18	0.000019879	834338.1	818041.4	36.0	33.0	0.0	0.0	Heavy construction (WKCD)
36	Area	E18	0.000002696	834338.1	818041.4	36.0	33.0	0.0	0.0	Wind erosion (WKCD)
37	Area	E19	0.000019879	834306.1	818002.9	97.0	41.0	0.0	0.0	Heavy construction (WKCD)
38	Area	E19	0.000002696	834306.1	818002.9	97.0	41.0	0.0	0.0	Wind erosion (WKCD)
39	Area	E20	0.000019879	834292.5	817952.9	124.1	59.0	0.0	0.0	Heavy construction (WKCD)
40	Area	E20	0.000002696	834292.5	817952.9	124.1	59.0	0.0	0.0	Wind erosion (WKCD)
41	Area	E21	0.000019879	834450.0	818050.2	22.7	18.5	0.0	4.0	Heavy construction (WKCD)
42	Area	E21	0.000002696	834450.0	818050.2	22.7	18.5	0.0	4.0	Wind erosion (WKCD)
43	Area	E22	0.000019879	834429.7	818034.5	47.0	19.9	0.0	-86.0	Heavy construction (WKCD)
44	Area	E22	0.000002696	834429.7	818034.5	47.0	19.9	0.0	-86.0	Wind erosion (WKCD)
45	Area	E23	0.000019879	834398.7	818019.8	72.0	43.9	0.0	-86.0	Heavy construction (WKCD)
46	Area	E23	0.000002696	834398.7	818019.8	72.0	43.9	0.0	-86.0	Wind erosion (WKCD)
47	Area	E24	0.000019879	834391.1	817969.1	28.0	21.6	0.0	-86.0	Heavy construction (WKCD)
48	Area	E24	0.000002696	834391.1	817969.1	28.0	21.6	0.0	-86.0	Wind erosion (WKCD)
49	Area	E25	0.000019879	834515.6	818141.9	49.1	45.0	0.0	4.0	Heavy construction (WKCD)
50	Area	E25	0.000002696	834515.6	818141.9	49.1	45.0	0.0	4.0	Wind erosion (WKCD)
51	Area	E26	0.000019879	834565.3	818140.7	50.0	35.6	0.0	4.0	Heavy construction (WKCD)
52	Area	E26	0.000002696	834565.3	818140.7	50.0	35.6	0.0	4.0	Wind erosion (WKCD)
53	Area	E27	0.000019879	834458.0	818026.4	218.2	10.9	0.0	55.4	Heavy construction (WKCD)
54	Area	E27	0.000002696	834458.0	818026.4	218.2	10.9	0.0	55.4	Wind erosion (WKCD)
55	Area	E28	0.000019879	834523.6	818120.2	44.8	33.5	0.0	0.0	Heavy construction (WKCD)
56	Area	E28	0.000002696	834523.6	818120.2	44.8	33.5	0.0	0.0	Wind erosion (WKCD)
57	Area	E29	0.000019879	834472.5	818120.2	52.2	28.2	0.0	0.0	Heavy construction (WKCD)
58	Area	E29	0.000002696	834472.5	818120.2	52.2	28.2	0.0	0.0	Wind erosion (WKCD)
59	Area	E30	0.000019879	834440.7	817947.4	41.2	22.3	0.0	4.0	Heavy construction (WKCD)
60	Area	E30	0.000002696	834440.7	817947.4	41.2	22.3	0.0	4.0	Wind erosion (WKCD)
61	Area	E31	0.000019879	834541.7	818055.0	217.1	8.7	0.0	51.5	Heavy construction (WKCD)
62	Area	E31	0.000002696	834541.7	818055.0	217.1	8.7	0.0	51.5	Wind erosion (WKCD)
63	Area	E32	0.000019879	834561.7	818044.3	28.7	21.8	0.0	4.0	Heavy construction (WKCD)
64	Area	E32	0.000002696	834561.7	818044.3	28.7	21.8	0.0	4.0	Wind erosion (WKCD)
65	Area	E33	0.000019879	834553.4	818019.8	48.7	26.0	0.0	4.0	Heavy construction (WKCD)
66	Area	E33	0.000002696	834553.4	818019.8	48.7	26.0	0.0	4.0	Wind erosion (WKCD)
67	Area	E34	0.000019879	834543.6	817989.0	72.5	34.0	0.0	4.0	Heavy construction (WKCD)
68	Area	E34	0.000002696	834543.6	817989.0	72.5	34.0	0.0	4.0	Wind erosion (WKCD)
69	Area	E35	0.000019879	834597.0	817961.4	272.5	28.5	0.0	4.0	Heavy construction (WKCD)
70	Area	E35	0.000002696	834597.0	817961.4	272.5	28.5	0.0	4.0	Wind erosion (WKCD)
71	Area	E36	0.000019879	834442.2	817920.8	173.5	31.0	0.0	4.0	Heavy construction (WKCD)
72	Area	E36	0.000002696	834442.2	817920.8	173.5	31.0	0.0	4.0	Wind erosion (WKCD)
73	Area	E37	0.000019879	834442.5	817890.9	82.5	28.7	0.0	4.0	Heavy construction (WKCD)
74	Area	E37	0.000002696	834442.5	817890.9	82.5	28.7	0.0	4.0	Wind erosion (WKCD)
75	Area	E38	0.000019879	834348.8	817811.0	165.0	24.4	0.0	48.8	Heavy construction (WKCD)
76	Area	E38	0.000002696	834348.8	817811.0	165.0	24.4	0.0	48.8	Wind erosion (WKCD)
77	Area	E39	0.000019879	834665.2	818027.5	93.8	72.5	0.0	-86.0	Heavy construction (WKCD)
78	Area	E39	0.000002696	834665.2	818027.5	93.8	72.5	0.0	-86.0	Wind erosion (WKCD)
79	Area	E40	0.000019879	834611.7	817938.0	167.1	20.3	0.0	4.0	Heavy construction (WKCD)
80	Area	E40	0.000002696	834611.7	817938.0	167.1	20.3	0.0	4.0	Wind erosion (WKCD)
81	Area	E41	0.000019879	834765.4	818128.2	61.1	25.5	0.0	-86.0	Heavy construction (WKCD)
82	Area	E41	0.000002696	834765.4	818128.2	61.1	25.5	0.0	-86.0	Wind erosion (WKCD)
83	Area	E42	0.000019879	834841.0	818083.8	170.1	38.0	0.0	4.0	Heavy construction (WKCD)
84	Area	E42	0.000002696	834841.0	818083.8	170.1	38.0	0.0	4.0	Wind erosion (WKCD)
85	Area	E43	0.000019879	834800.9	817974.7	136.2	14.1	0.0	4.0	Heavy construction (WKCD)
86	Area	E43	0.000002696	834800.9	817974.7	136.2	14.1	0.0	4.0	Wind erosion (WKCD)
87	Area	E44	0.000019879	834786.6	817954.4	183.4	16.6	0.0	6.6	Heavy construction (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2015 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
88	Area	E44	0.000002696	834786.6	817954.4	183.4	16.6	0.0	6.6	Wind erosion (WKCD)
89	Area	E45	0.000019879	834827.3	818160.7	102.5	4.9	0.0	4.0	Heavy construction (WKCD)
90	Area	E45	0.000002696	834827.3	818160.7	102.5	4.9	0.0	4.0	Wind erosion (WKCD)
91	Area	E46	0.000019879	834908.5	818135.7	56.3	28.3	0.0	-86.0	Heavy construction (WKCD)
92	Area	E46	0.000002696	834908.5	818135.7	56.3	28.3	0.0	-86.0	Wind erosion (WKCD)
93	Area	E47	0.000019879	834898.0	818024.8	87.7	64.6	0.0	-86.0	Heavy construction (WKCD)
94	Area	E47	0.000002696	834898.0	818024.8	87.7	64.6	0.0	-86.0	Wind erosion (WKCD)
95	Area	E48	0.000019879	834940.1	817976.2	125.8	16.5	0.0	10.2	Heavy construction (WKCD)
96	Area	E48	0.000002696	834940.1	817976.2	125.8	16.5	0.0	10.2	Wind erosion (WKCD)
97	Area	E49	0.000019879	834927.0	818172.2	97.9	14.0	0.0	4.0	Heavy construction (WKCD)
98	Area	E49	0.000002696	834927.0	818172.2	97.9	14.0	0.0	4.0	Wind erosion (WKCD)
99	Area	E50	0.000019879	834975.0	818017.1	47.9	46.5	0.0	4.0	Heavy construction (WKCD)
100	Area	E50	0.000002696	834975.0	818017.1	47.9	46.5	0.0	4.0	Wind erosion (WKCD)
101	Area	E51	0.000019879	834993.8	818120.3	125.7	28.1	0.0	-86.0	Heavy construction (WKCD)
102	Area	E51	0.000002696	834993.8	818120.3	125.7	28.1	0.0	-86.0	Wind erosion (WKCD)
103	Area	E52	0.000019879	835072.9	818173.1	137.1	30.5	0.0	3.6	Heavy construction (WKCD)
104	Area	E52	0.000002696	835072.9	818173.1	137.1	30.5	0.0	3.6	Wind erosion (WKCD)
105	Area	E53	0.000019879	835076.9	818114.6	137.1	86.2	0.0	4.0	Heavy construction (WKCD)
106	Area	E53	0.000002696	835076.9	818114.6	137.1	86.2	0.0	4.0	Wind erosion (WKCD)
107	Area	E54	0.000019879	835061.2	818052.1	97.0	36.0	0.0	4.0	Heavy construction (WKCD)
108	Area	E54	0.000002696	835061.2	818052.1	97.0	36.0	0.0	4.0	Wind erosion (WKCD)
109	Area	E55	0.000019879	835161.6	818126.8	115.0	33.4	0.0	-86.0	Heavy construction (WKCD)
110	Area	E55	0.000002696	835161.6	818126.8	115.0	33.4	0.0	-86.0	Wind erosion (WKCD)
111	Area	E56	0.000019879	835130.1	818002.1	258.8	19.6	0.0	7.0	Heavy construction (WKCD)
112	Area	E56	0.000002696	835130.1	818002.1	258.8	19.6	0.0	7.0	Wind erosion (WKCD)
113	Area	E57	0.000019879	835196.1	818084.1	81.1	29.6	0.0	-86.0	Heavy construction (WKCD)
114	Area	E57	0.000002696	835196.1	818084.1	81.1	29.6	0.0	-86.0	Wind erosion (WKCD)
115	Area	E58	0.000019879	835215.2	818134.0	121.9	15.3	0.0	-86.0	Heavy construction (WKCD)
116	Area	E58	0.000002696	835215.2	818134.0	121.9	15.3	0.0	-86.0	Wind erosion (WKCD)
117	Area	E59	0.000019879	835223.1	818049.3	48.0	11.3	0.0	-86.0	Heavy construction (WKCD)
118	Area	E59	0.000002696	835223.1	818049.3	48.0	11.3	0.0	-86.0	Wind erosion (WKCD)
119	Area	E60	0.000019879	835267.8	818146.6	107.9	91.6	0.0	-86.0	Heavy construction (WKCD)
120	Area	E60	0.000002696	835267.8	818146.6	107.9	91.6	0.0	-86.0	Wind erosion (WKCD)
121	Area	E61	0.000019879	834200.5	817800.9	72.0	65.0	0.0	90.0	Heavy construction (WKCD)
122	Area	E61	0.000002696	834200.5	817800.9	72.0	65.0	0.0	90.0	Wind erosion (WKCD)
123	Area	EB1	0.000019879	834306.9	818306.0	22.6	15.7	0.0	-35.0	Heavy construction (WKCD)
124	Area	EB1	0.000002696	834306.9	818306.0	22.6	15.7	0.0	-35.0	Wind erosion (WKCD)
125	Area	EB2	0.000019879	834430.0	818240.2	19.1	14.0	0.0	-35.5	Heavy construction (WKCD)
126	Area	EB2	0.000002696	834430.0	818240.2	19.1	14.0	0.0	-35.5	Wind erosion (WKCD)
127	Area	EB3	0.000019879	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
128	Area	EB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
129	Area	EB4	0.000019879	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
130	Area	EB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
131	Area	EB5	0.000019879	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
132	Area	EB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
133	Point	EP1	0.016666667	835199.6	818095.5	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
134	Point	EP2	0.016666667	835197.6	818087.0	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
135	Point	EP3	0.000229840	835198.7	818094.0	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
136	Point	EP4	0.000229840	835196.5	818085.7	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
137	Point	EP5	0.010833334	835205.4	818088.9	0.0	0.0	20.0	0.0	Concrete batching plant (WKCD). 20m is height set in the model run, actual height is 21m.
138	Point	EP6	0.010833334	835207.0	818095.3	0.0	0.0	20.0	0.0	Concrete batching plant (WKCD). 20m is height set in the model run, actual height is 21m.
139	Point	EP7	0.010833334	835194.8	818092.4	0.0	0.0	20.0	0.0	Concrete batching plant (WKCD). 20m is height set in the model run, actual height is 21m.
140	Point	EP8	0.010833334	835205.8	818083.0	0.0	0.0	20.0	0.0	Concrete batching plant (WKCD). 20m is height set in the model run, actual height is 21m.
141	Point	EP9	0.001635902	835122.6	818097.6	0.0	0.0	4.0	0.0	Concrete batching plant (WKCD)
142	Point	EP10	0.001635902	834584.4	817939.9	0.0	0.0	7.0	0.0	Concrete batching plant (WKCD)
143	Area	EP11-1	0.000163385	834978.3	818020.7	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
144	Area	EP11-2	0.000163385	835007.6	818027.3	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
145	Area	EP11-3	0.000163385	835032.4	818033.9	3.0	20.8	0.5	12.7	Haul road to concrete batching plant (WKCD)
146	Area	EP11-4	0.000163385	835050.1	818040.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
147	Area	EP11-5	0.000163385	835079.9	818044.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
148	Area	EP11-6	0.000163385	835109.6	818048.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
149	Area	EP11-7	0.000163385	835139.4	818052.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
150	Area	EP11-8	0.000163385	835169.2	818056.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
151	Area	EP11-9	0.000163385	835186.0	818066.7	3.0	30.0	0.5	8.2	Haul road to concrete batching plant (WKCD)
152	Area	EP11-10	0.000163385	835219.2	818062.5	3.0	9.1	0.5	8.2	Haul road to concrete batching plant (WKCD)
153	Area	EP11-11	0.000163385	835239.5	818023.8	3.0	20.0	0.5	75.6	Haul road to concrete batching plant (WKCD)
154	Area	EP11-12	0.000163385	835232.0	818033.9	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (WKCD)
155	Area	EP11-13	0.000163385	835229.6	818063.7	3.0	21.7	0.5	96.1	Haul road to concrete batching plant (WKCD)
156	Area	EP11-14	0.000163385	835228.9	818089.7	3.0	8.1	0.5	86.3	Haul road to concrete batching plant (WKCD)
157	Area	EP11-15	0.000163385	835244.5	818102.7	3.0	30.0	0.5	75.2	Haul road to concrete batching plant (WKCD)
158	Area	EP11-16	0.000163385	835241.5	818131.7	3.0	8.2	0.5	75.2	Haul road to concrete batching plant (WKCD)
159	Area	EP12-1	0.000142480	834909.9	818016.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
160	Area	EP12-2	0.000142480	834939.8	818019.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
161	Area	EP12-3	0.000142480	834951.0	818024.2	3.0	8.4	0.5	3.0	Haul road to concrete batching plant (WKCD)
162	Area	EP12-4	0.000142480	834765.2	817997.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
163	Area	EP12-5	0.000142480	834795.0	818001.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
164	Area	EP12-6	0.000142480	834824.7	818005.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
165	Area	EP12-7	0.000142480	834854.4	818010.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
166	Area	EP12-8	0.000142480	834895.8	818015.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
167	Area	EP12-9	0.000142480	834649.8	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
168	Area	EP12-10	0.000142480	834679.7	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
169	Area	EP12-11	0.000142480	834709.5	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)



Appendix 3.4 Tier 1 Data Input for Year 2015 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
170	Area	EP12-12	0.000142480	834739.4	817995.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
171	Area	EP12-13	0.000142480	834759.9	817997.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (WKCD)
172	Area	EP12-14	0.000142480	834600.6	817981.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
173	Area	EP12-15	0.000142480	834626.0	817984.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (WKCD)
174	Area	EP13-1	0.000063499	834897.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
175	Area	EP13-2	0.000063499	834898.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
176	Area	EP13-3	0.000063499	834898.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
177	Area	EP13-4	0.000063499	834899.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
178	Area	EP13-5	0.000063499	834899.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
179	Area	EP13-6	0.000063499	834897.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (WKCD)
180	Area	EP14-1	0.000008362	835223.4	818149.1	3.0	19.1	0.5	11.6	Haul road to concrete batching plant (WKCD)
181	Area	EP14-2	0.000008362	835210.1	818188.3	3.0	21.0	0.5	71.7	Haul road to concrete batching plant (WKCD)
182	Area	EP14-3	0.000008362	835204.0	818136.5	3.0	19.3	0.5	13.9	Haul road to concrete batching plant (WKCD)
183	Area	EP15-1	0.000039954	835212.7	818158.4	3.0	19.3	0.5	1.8	Haul road to concrete batching plant (WKCD)
184	Area	EP15-2	0.000039954	835220.7	818146.6	3.0	19.6	0.5	24.3	Haul road to concrete batching plant (WKCD)
185	Area	EP16-1	0.000017038	835211.8	818147.7	3.0	30.0	0.5	13.8	Haul road to concrete batching plant (WKCD)
186	Area	EP16-2	0.000017038	835205.7	818187.3	3.0	25.9	0.5	77.2	Haul road to concrete batching plant (WKCD)
187	Area	EP17-1	0.000008520	835213.0	818125.9	3.0	19.9	0.5	19.8	Haul road to concrete batching plant (WKCD)
188	Area	EP17-2	0.000008520	835195.8	818120.1	3.0	23.0	0.5	15.3	Haul road to concrete batching plant (WKCD)
189	Area	EP18-1	0.000061220	834979.0	818017.8	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
190	Area	EP18-2	0.000061220	835008.3	818024.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
191	Area	EP18-3	0.000061220	835032.8	818031.0	3.0	20.5	0.5	12.7	Haul road to concrete batching plant (WKCD)
192	Area	EP18-4	0.000061220	835050.5	818037.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
193	Area	EP18-5	0.000061220	835080.3	818041.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
194	Area	EP18-6	0.000061220	835110.0	818045.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
195	Area	EP18-7	0.000061220	835139.8	818049.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
196	Area	EP18-8	0.000061220	835169.5	818053.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
197	Area	EP18-9	0.000061220	835185.0	818063.9	3.0	30.0	0.5	8.3	Haul road to concrete batching plant (WKCD)
198	Area	EP18-10	0.000061220	835218.7	818059.5	3.0	11.0	0.5	8.3	Haul road to concrete batching plant (WKCD)
199	Area	EP18-11	0.000061220	835243.4	818020.4	3.0	23.2	0.5	75.6	Haul road to concrete batching plant (WKCD)
200	Area	EP18-12	0.000061220	835235.0	818033.7	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (WKCD)
201	Area	EP18-13	0.000061220	835232.5	818063.5	3.0	22.2	0.5	96.1	Haul road to concrete batching plant (WKCD)
202	Area	EP18-14	0.000061220	835232.6	818089.9	3.0	7.0	0.5	86.5	Haul road to concrete batching plant (WKCD)
203	Area	EP18-15	0.000061220	834910.3	818013.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
204	Area	EP18-16	0.000061220	834940.1	818016.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
205	Area	EP18-17	0.000061220	834959.7	818019.9	3.0	8.7	0.5	6.0	Haul road to concrete batching plant (WKCD)
206	Area	EP19-1	0.000054404	834795.6	817994.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
207	Area	EP19-2	0.000054404	834795.3	817998.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
208	Area	EP19-3	0.000054404	834825.0	818003.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
209	Area	EP19-4	0.000054404	834854.8	818007.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
210	Area	EP19-5	0.000054404	834884.0	818011.1	3.0	12.3	0.5	7.8	Haul road to concrete batching plant (WKCD)
211	Area	EP19-6	0.000054404	834650.1	817983.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
212	Area	EP19-7	0.000054404	834680.0	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
213	Area	EP19-8	0.000054404	834709.8	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
214	Area	EP19-9	0.000054404	834739.7	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
215	Area	EP19-10	0.000054404	834760.2	817994.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (WKCD)
216	Area	EP19-11	0.000054404	834600.9	817978.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
217	Area	EP19-12	0.000054404	834626.3	817981.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (WKCD)
218	Area	EP20-1	0.000023102	834900.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
219	Area	EP20-2	0.000023102	834901.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
220	Area	EP20-3	0.000023102	834901.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
221	Area	EP20-4	0.000023102	834902.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
222	Area	EP20-5	0.000023102	834902.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
223	Area	EP20-6	0.000023102	834900.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (WKCD)
224	Area	EP21-1	0.000002727	835222.1	818158.9	3.0	20.1	0.5	31.8	Haul road to concrete batching plant (WKCD)
225	Area	EP21-2	0.000002727	835202.8	818136.3	3.0	10.2	0.5	13.9	Haul road to concrete batching plant (WKCD)
226	Area	EP22-1	0.000015247	835212.1	818138.2	3.0	19.3	0.5	35.7	Haul road to concrete batching plant (WKCD)
227	Area	EP22-2	0.000015247	835219.6	818178.4	3.0	22.3	0.5	55.1	Haul road to concrete batching plant (WKCD)
228	Area	EP23-1	0.000003258	835203.7	818113.6	3.0	7.8	0.5	46.4	Haul road to concrete batching plant (WKCD)
229	Area	EP23-2	0.000003258	835212.2	818144.1	3.0	15.9	0.5	8.0	Haul road to concrete batching plant (WKCD)
230	Area	EP23-3	0.000003258	835195.1	818122.7	3.0	22.9	0.5	9.5	Haul road to concrete batching plant (WKCD)
231	Line	HR7A3	0.000000001	835002.8	818127.3	835002.8	817987.3	0.5	6.0	Haul Road to Barging Points (WKCD)
232	Line	HR7B	0.000000001	834964.1	817983.2	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (WKCD)
233	Line	HR7C 1	0.000000001	834943.9	818149.5	834941.6	817980.9	0.5	6.0	Haul Road to Barging Points (WKCD)
234	Line	HR8A	0.000000001	834895.8	817976.0	834764.7	817958.0	0.5	6.0	Haul Road to Barging Points (WKCD)
235	Line	HR8B	0.000000001	834767.7	817958.0	834637.5	817945.4	0.5	6.0	Haul Road to Barging Points (WKCD)
236	Line	HR9	0.000000001	834637.5	817945.4	834588.3	817940.5	0.5	6.0	Haul Road to Barging Points (WKCD)
237	Line	HR10A	0.000000001	834588.3	817940.5	834519.6	817934.4	0.5	6.0	Haul Road to Barging Points (WKCD)
238	Line	HR10B	0.000000001	834519.6	817934.4	834425.8	817897.2	0.5	6.0	Haul Road to Barging Points (WKCD)
239	Line	HR10C	0.000000001	834425.8	817897.2	834389.4	817855.7	0.5	6.0	Haul Road to Barging Points (WKCD)
240	Line	HR11	0.000000001	834389.4	817855.7	834313.9	817770.0	0.5	6.0	Haul Road to Barging Points (WKCD)
241	Line	HR12A	0.000000001	834313.9	817770.0	834289.8	817763.6	0.5	6.0	Haul Road to Barging Points (WKCD)
242	Point	BP4	0.004266640	834640.0	817930.5	0.0	0.0	0.5	0.0	Barging Point (WKCD)
243	Point	BP5	0.004266640	834591.9	817924.7	0.0	0.0	0.5	0.0	Barging Point (WKCD)
244	Point	BP6	0.004266640	834397.5	817847.6	0.0	0.0	0.5	0.0	Barging Point (WKCD)
245	Point	BP7	0.004266640	834328.6	817755.8	0.0	0.0	0.5	0.0	Barging Point (WKCD)
246	Area	FF1	0.000029937	835264.6	818400.0	19.1	3.5	0.0	26.4	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
247	Area	FF1	0.000002696	835264.6	818400.0	19.1	3.5	0.0	26.4	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)

Appendix 3.4 Tier 1 Data Input for Year 2015 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
248	Area	FF2	0.000029937	835287.4	818403.3	29.7	5.0	0.0	-19.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
249	Area	FF2	0.000002696	835287.4	818403.3	29.7	5.0	0.0	-19.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
250	Area	FF3	0.000029937	835310.6	818358.6	85.7	4.0	0.0	-75.7	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
251	Area	FF3	0.000002696	835310.6	818358.6	85.7	4.0	0.0	-75.7	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
252	Area	FF4	0.000029937	835341.7	818274.8	92.0	21.8	0.0	-75.7	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
253	Area	FF4	0.000002696	835341.7	818274.8	92.0	21.8	0.0	-75.7	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
254	Area	FF5	0.000029937	835323.0	818233.4	30.1	25.1	0.0	4.2	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
255	Area	FF5	0.000002696	835323.0	818233.4	30.1	25.1	0.0	4.2	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
256	Area	FF6	0.000029937	835331.4	818207.7	44.8	10.9	0.0	4.3	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
257	Area	FF6	0.000002696	835331.4	818207.7	44.8	10.9	0.0	4.3	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
258	Area	FF7	0.000029937	835334.3	818151.0	101.1	17.0	0.0	84.5	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
259	Area	FF7	0.000002696	835334.3	818151.0	101.1	17.0	0.0	84.5	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
260	Area	FF8	0.000029937	835335.0	818074.9	48.6	12.6	0.0	-81.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
261	Area	FF8	0.000002696	835335.0	818074.9	48.6	12.6	0.0	-81.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
262	Area	FF9	0.000029937	835267.6	818533.5	3.0	3.0	0.0	90.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
263	Area	FF9	0.000002696	835267.6	818533.5	3.0	3.0	0.0	90.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme Q (Interim Option) & Junction Improvement Works at Jordan Road / Ferry St / Canton Rd)
264	Area	AA9	0.000029937	834646.0	818747.7	65.6	13.2	0.0	70.8	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
265	Area	AA9	0.000002696	834646.0	818747.7	65.6	13.2	0.0	70.8	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
266	Area	AA10	0.000029937	834601.8	818627.1	191.9	21.2	0.0	67.0	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
267	Area	AA10	0.000002696	834601.8	818627.1	191.9	21.2	0.0	67.0	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
268	Area	AA11	0.000029937	834553.7	818489.5	98.1	24.2	0.0	78.1	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
269	Area	AA11	0.000002696	834553.7	818489.5	98.1	24.2	0.0	78.1	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
270	Area	AA12	0.000029937	834491.6	818452.8	216.7	18.2	0.0	60.3	Heavy construction (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)
271	Area	AA12	0.000002696	834491.6	818452.8	216.7	18.2	0.0	60.3	Wind Erosion (Road Improvement Works in West Kowloon Reclamation - Phase I - Scheme HIJ)

Appendix 3.4 Tier 1 Data Input for Year 2016 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	F1	0.000019879	834297.4	818332.9	145.1	23.5	0.0	55.0	Heavy construction (WKCD)
2	Area	F1	0.000002696	834297.4	818332.9	145.1	23.5	0.0	55.0	Wind erosion (WKCD)
3	Area	F2	0.000019879	834132.0	818269.2	240.0	5.5	0.0	0.0	Heavy construction (WKCD)
4	Area	F2	0.000239495	834132.0	818269.2	240.0	5.5	0.0	0.0	Wind erosion (WKCD)
5	Area	F3	0.000002696	834015.5	818232.9	67.0	11.5	0.0	-90.0	Heavy construction (WKCD)
6	Area	F3	0.000239495	834015.5	818232.9	67.0	11.5	0.0	-90.0	Wind erosion (WKCD)
7	Area	F4	0.000002696	833988.0	818173.2	68.0	11.0	0.0	53.6	Heavy construction (WKCD)
8	Area	F4	0.000239495	833988.0	818173.2	68.0	11.0	0.0	53.6	Wind erosion (WKCD)
9	Area	F5	0.000002696	833961.1	818108.0	69.0	22.5	0.0	-89.9	Heavy construction (WKCD)
10	Area	F5	0.000239495	833961.1	818108.0	69.0	22.5	0.0	-89.9	Wind erosion (WKCD)
11	Area	F6	0.000002696	833956.4	818048.8	49.5	12.9	0.0	-89.9	Heavy construction (WKCD)
12	Area	F6	0.000239495	833956.4	818048.8	49.5	12.9	0.0	-89.9	Wind erosion (WKCD)
13	Area	F7	0.000002696	834499.5	818164.0	235.0	80.2	0.0	-86.0	Heavy construction (WKCD)
14	Area	F7	0.000239495	834499.5	818164.0	235.0	80.2	0.0	-86.0	Wind erosion (WKCD)
15	Area	F8	0.000002696	834529.8	818146.7	20.0	20.0	0.0	4.0	Heavy construction (WKCD)
16	Area	F8	0.000239495	834529.8	818146.7	20.0	20.0	0.0	4.0	Wind erosion (WKCD)
17	Area	F9	0.000002696	834529.8	818146.7	78.1	18.6	0.0	4.0	Heavy construction (WKCD)
18	Area	F9	0.000239495	834529.8	818146.7	78.1	18.6	0.0	4.0	Wind erosion (WKCD)
19	Area	F10	0.000002696	834459.9	818100.5	63.9	48.6	0.0	4.0	Heavy construction (WKCD)
20	Area	F10	0.000239495	834459.9	818100.5	63.9	48.6	0.0	4.0	Wind erosion (WKCD)
21	Area	F11	0.000002696	834415.1	818084.4	27.8	22.7	0.0	4.0	Heavy construction (WKCD)
22	Area	F11	0.000239495	834415.1	818084.4	27.8	22.7	0.0	4.0	Wind erosion (WKCD)
23	Area	F12	0.000002696	834426.5	818004.5	144.0	138.3	0.0	4.0	Heavy construction (WKCD)
24	Area	F12	0.000239495	834426.5	818004.5	144.0	138.3	0.0	4.0	Wind erosion (WKCD)
25	Area	F13	0.000002696	834335.3	818040.3	36.0	33.0	0.0	90.0	Heavy construction (WKCD)
26	Area	F13	0.000239495	834335.3	818040.3	36.0	33.0	0.0	90.0	Wind erosion (WKCD)
27	Area	F14	0.000002696	834307.9	817999.8	93.2	41.0	0.0	4.0	Heavy construction (WKCD)
28	Area	F14	0.000239495	834307.9	817999.8	93.2	41.0	0.0	4.0	Wind erosion (WKCD)
29	Area	F15	0.000002696	834292.3	817948.6	131.5	59.0	0.0	4.0	Heavy construction (WKCD)
30	Area	F15	0.000239495	834292.3	817948.6	131.5	59.0	0.0	4.0	Wind erosion (WKCD)
31	Area	F16	0.000002696	834442.2	817920.8	173.5	31.0	0.0	4.0	Heavy construction (WKCD)
32	Area	F16	0.000239495	834442.2	817920.8	173.5	31.0	0.0	4.0	Wind erosion (WKCD)
33	Area	F17	0.000002696	834442.5	817890.9	82.5	28.7	0.0	4.0	Heavy construction (WKCD)
34	Area	F17	0.000239495	834442.5	817890.9	82.5	28.7	0.0	4.0	Wind erosion (WKCD)
35	Area	F18	0.000002696	834348.8	817811.0	165.0	24.4	0.0	48.8	Heavy construction (WKCD)
36	Area	F18	0.000239495	834348.8	817811.0	165.0	24.4	0.0	48.8	Wind erosion (WKCD)
37	Area	F19	0.000002696	834638.2	818116.8	294.0	56.2	0.0	4.0	Heavy construction (WKCD)
38	Area	F19	0.000239495	834638.2	818116.8	294.0	56.2	0.0	4.0	Wind erosion (WKCD)
39	Area	F20	0.000002696	834644.7	818023.9	294.0	130.0	0.0	4.0	Heavy construction (WKCD)
40	Area	F20	0.000239495	834644.7	818023.9	294.0	130.0	0.0	4.0	Wind erosion (WKCD)
41	Area	F21	0.000002696	834611.7	817938.0	167.1	20.3	0.0	4.0	Heavy construction (WKCD)
42	Area	F21	0.000239495	834611.7	817938.0	167.1	20.3	0.0	4.0	Wind erosion (WKCD)
43	Area	F22	0.000002696	834786.6	817954.4	183.4	16.6	0.0	6.6	Heavy construction (WKCD)
44	Area	F22	0.000239495	834786.6	817954.4	183.4	16.6	0.0	6.6	Wind erosion (WKCD)
45	Area	F23	0.000002696	834834.3	818130.5	99.2	56.3	0.0	4.0	Heavy construction (WKCD)
46	Area	F23	0.000239495	834834.3	818130.5	99.2	56.3	0.0	4.0	Wind erosion (WKCD)
47	Area	F24	0.000002696	834840.8	818037.6	130.0	99.2	0.0	-86.0	Heavy construction (WKCD)
48	Area	F24	0.000239495	834840.8	818037.6	130.0	99.2	0.0	-86.0	Wind erosion (WKCD)
49	Area	F25	0.000002696	834946.8	818079.8	173.3	118.2	0.0	-86.0	Heavy construction (WKCD)
50	Area	F25	0.000239495	834946.8	818079.8	173.3	118.2	0.0	-86.0	Wind erosion (WKCD)
51	Area	F26	0.000002696	834940.1	817976.2	125.8	16.5	0.0	10.2	Heavy construction (WKCD)
52	Area	F26	0.000239495	834940.1	817976.2	125.8	16.5	0.0	10.2	Wind erosion (WKCD)
53	Area	F27	0.000002696	834998.9	818176.6	242.0	12.7	0.0	4.0	Heavy construction (WKCD)
54	Area	F27	0.000239495	834998.9	818176.6	242.0	12.7	0.0	4.0	Wind erosion (WKCD)
55	Area	F28	0.000002696	835089.0	818148.4	175.1	56.1	0.0	4.0	Heavy construction (WKCD)
56	Area	F28	0.000239495	835089.0	818148.4	175.1	56.1	0.0	4.0	Wind erosion (WKCD)
57	Area	F29	0.000002696	835109.5	818068.4	204.7	106.3	0.0	4.0	Heavy construction (WKCD)
58	Area	F29	0.000239495	835109.5	818068.4	204.7	106.3	0.0	4.0	Wind erosion (WKCD)
59	Area	F30	0.000002696	835130.1	818002.1	258.8	19.6	0.0	7.0	Heavy construction (WKCD)
60	Area	F30	0.000239495	835130.1	818002.1	258.8	19.6	0.0	7.0	Wind erosion (WKCD)
61	Area	F31	0.000002696	835191.0	818156.9	58.9	29.6	0.0	-86.0	Heavy construction (WKCD)
62	Area	F31	0.000239495	835191.0	818156.9	58.9	29.6	0.0	-86.0	Wind erosion (WKCD)
63	Area	F32	0.000002696	835215.2	818134.0	121.9	15.3	0.0	-86.0	Heavy construction (WKCD)
64	Area	F32	0.000239495	835215.2	818134.0	121.9	15.3	0.0	-86.0	Wind erosion (WKCD)
65	Area	F33	0.000002696	835223.1	818049.3	48.0	11.3	0.0	-86.0	Heavy construction (WKCD)
66	Area	F33	0.000239495	835223.1	818049.3	48.0	11.3	0.0	-86.0	Wind erosion (WKCD)
67	Area	F34	0.000002696	835282.4	818085.6	112.2	16.0	0.0	4.0	Heavy construction (WKCD)
68	Area	F34	0.000239495	835282.4	818085.6	112.2	16.0	0.0	4.0	Wind erosion (WKCD)
69	Area	F35	0.000002696	835242.2	818050.7	48.0	27.0	0.0	-86.0	Heavy construction (WKCD)
70	Area	F35	0.000239495	835242.2	818050.7	48.0	27.0	0.0	-86.0	Wind erosion (WKCD)
71	Area	FB1	0.000002696	834306.9	818306.0	22.6	15.7	0.0	-35.0	Heavy construction (WKCD)
72	Area	FB1	0.000239495	834306.9	818306.0	22.6	15.7	0.0	-35.0	Wind erosion (WKCD)
73	Area	FB2	0.000002696	834430.0	818240.2	19.1	14.0	0.0	-35.5	Heavy construction (WKCD)
74	Area	FB2	0.000239495	834430.0	818240.2	19.1	14.0	0.0	-35.5	Wind erosion (WKCD)
75	Area	FB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
76	Area	FB3	0.000239495	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
77	Area	FB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
78	Area	FB4	0.000239495	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
79	Area	FB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
80	Area	FB5	0.000239495	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
81	Point	EP1	0.000002696	835199.6	818095.5	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
82	Point	EP2	0.000239495	835197.6	818087.0	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
83	Point	EP3	0.000002696	835198.7	818094.0	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
84	Point	EP4	0.016666667	835196.5	818085.7	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
85	Point	EP5	0.016666667	835205.4	818088.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
86	Point	EP6	0.000229840	835207.0	818095.3	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.

Appendix 3.4 Tier 1 Data Input for Year 2016 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
87	Point	EP7	0.000229840	835194.8	818092.4	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
88	Point	EP8	0.010833334	835205.8	818083.0	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
89	Point	EP9	0.010833334	835122.6	818097.6	0.0	0.0	4.0	0.0	Concrete batching plant (WKCD)
90	Point	EP10	0.010833334	834584.4	817939.9	0.0	0.0	7.0	0.0	Concrete batching plant (WKCD)
91	Area	EP11-1	0.010833334	834978.3	818020.7	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
92	Area	EP11-2	0.001635902	835007.6	818027.3	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
93	Area	EP11-3	0.001635902	835032.4	818033.9	3.0	20.8	0.5	12.7	Haul road to concrete batching plant (WKCD)
94	Area	EP11-4	0.000163385	835050.1	818040.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
95	Area	EP11-5	0.000163385	835079.9	818044.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
96	Area	EP11-6	0.000163385	835109.6	818048.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
97	Area	EP11-7	0.000163385	835139.4	818052.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
98	Area	EP11-8	0.000163385	835169.2	818056.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
99	Area	EP11-9	0.000163385	835186.0	818066.7	3.0	30.0	0.5	8.2	Haul road to concrete batching plant (WKCD)
100	Area	EP11-10	0.000163385	835219.2	818062.5	3.0	9.1	0.5	8.2	Haul road to concrete batching plant (WKCD)
101	Area	EP11-11	0.000163385	835239.5	818023.8	3.0	20.0	0.5	75.6	Haul road to concrete batching plant (WKCD)
102	Area	EP11-12	0.000163385	835232.0	818033.9	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (WKCD)
103	Area	EP11-13	0.000163385	835229.6	818063.7	3.0	21.7	0.5	96.1	Haul road to concrete batching plant (WKCD)
104	Area	EP11-14	0.000163385	835228.9	818089.7	3.0	8.1	0.5	86.3	Haul road to concrete batching plant (WKCD)
105	Area	EP11-15	0.000163385	835244.5	818102.7	3.0	30.0	0.5	75.2	Haul road to concrete batching plant (WKCD)
106	Area	EP11-16	0.000163385	835241.5	818131.7	3.0	8.2	0.5	75.2	Haul road to concrete batching plant (WKCD)
107	Area	EP12-1	0.000142480	834909.9	818016.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
108	Area	EP12-2	0.000142480	834939.8	818019.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
109	Area	EP12-3	0.000142480	834951.0	818024.2	3.0	8.4	0.5	3.0	Haul road to concrete batching plant (WKCD)
110	Area	EP12-4	0.000142480	834765.2	817997.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
111	Area	EP12-5	0.000142480	834795.0	818001.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
112	Area	EP12-6	0.000142480	834824.7	818005.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
113	Area	EP12-7	0.000142480	834854.4	818010.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
114	Area	EP12-8	0.000142480	834895.8	818015.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
115	Area	EP12-9	0.000142480	834649.8	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
116	Area	EP12-10	0.000142480	834679.7	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
117	Area	EP12-11	0.000142480	834709.5	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
118	Area	EP12-12	0.000142480	834739.4	817995.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
119	Area	EP12-13	0.000142480	834759.9	817997.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (WKCD)
120	Area	EP12-14	0.000142480	834600.6	817981.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
121	Area	EP12-15	0.000142480	834626.0	817984.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (WKCD)
122	Area	EP13-1	0.000063499	834897.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
123	Area	EP13-2	0.000063499	834898.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
124	Area	EP13-3	0.000063499	834898.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
125	Area	EP13-4	0.000063499	834899.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
126	Area	EP13-5	0.000063499	834899.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
127	Area	EP13-6	0.000063499	834897.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (WKCD)
128	Area	EP14-1	0.000008362	835223.4	818149.1	3.0	19.1	0.5	11.6	Haul road to concrete batching plant (WKCD)
129	Area	EP14-2	0.000008362	835210.1	818188.3	3.0	21.0	0.5	71.7	Haul road to concrete batching plant (WKCD)
130	Area	EP14-3	0.000008362	835204.0	818136.5	3.0	19.3	0.5	13.9	Haul road to concrete batching plant (WKCD)
131	Area	EP15-1	0.000039954	835212.7	818158.4	3.0	19.3	0.5	1.8	Haul road to concrete batching plant (WKCD)
132	Area	EP15-2	0.000039954	835220.7	818146.6	3.0	19.6	0.5	24.3	Haul road to concrete batching plant (WKCD)
133	Area	EP16-1	0.000017038	835211.8	818147.7	3.0	30.0	0.5	13.8	Haul road to concrete batching plant (WKCD)
134	Area	EP16-2	0.000017038	835205.7	818187.3	3.0	25.9	0.5	77.2	Haul road to concrete batching plant (WKCD)
135	Area	EP17-1	0.000008520	835213.0	818125.9	3.0	19.7	0.5	19.8	Haul road to concrete batching plant (WKCD)
136	Area	EP17-2	0.000008520	835195.8	818120.1	3.0	23.0	0.5	15.3	Haul road to concrete batching plant (WKCD)
137	Area	EP18-1	0.000061220	834979.0	818017.8	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
138	Area	EP18-2	0.000061220	835008.3	818024.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
139	Area	EP18-3	0.000061220	835032.8	818031.0	3.0	20.5	0.5	12.7	Haul road to concrete batching plant (WKCD)
140	Area	EP18-4	0.000061220	835050.5	818037.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
141	Area	EP18-5	0.000061220	835080.3	818041.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
142	Area	EP18-6	0.000061220	835110.0	818045.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
143	Area	EP18-7	0.000061220	835139.8	818049.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
144	Area	EP18-8	0.000061220	835169.5	818053.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
145	Area	EP18-9	0.000061220	835185.0	818063.9	3.0	30.0	0.5	8.3	Haul road to concrete batching plant (WKCD)
146	Area	EP18-10	0.000061220	835218.7	818059.5	3.0	11.0	0.5	8.3	Haul road to concrete batching plant (WKCD)
147	Area	EP18-11	0.000061220	835243.4	818020.4	3.0	23.2	0.5	75.6	Haul road to concrete batching plant (WKCD)
148	Area	EP18-12	0.000061220	835235.0	818033.7	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (WKCD)
149	Area	EP18-13	0.000061220	835232.5	818063.5	3.0	22.2	0.5	96.1	Haul road to concrete batching plant (WKCD)
150	Area	EP18-14	0.000061220	835232.6	818089.9	3.0	7.0	0.5	86.5	Haul road to concrete batching plant (WKCD)
151	Area	EP18-15	0.000061220	834910.3	818013.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
152	Area	EP18-16	0.000061220	834940.1	818016.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
153	Area	EP18-17	0.000061220	834959.7	818019.9	3.0	8.7	0.5	6.0	Haul road to concrete batching plant (WKCD)
154	Area	EP19-1	0.000054404	834795.6	817994.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
155	Area	EP19-2	0.000054404	834799.2	817976.5	3.0	30.0	0.5	57.8	Haul road to concrete batching plant (WKCD)
156	Area	EP19-3	0.000054404	834825.0	818003.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
157	Area	EP19-4	0.000054404	834854.8	818007.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
158	Area	EP19-5	0.000054404	834884.0	818011.1	3.0	12.3	0.5	7.8	Haul road to concrete batching plant (WKCD)
159	Area	EP19-6	0.000054404	834650.1	817983.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
160	Area	EP19-7	0.000054404	834680.0	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
161	Area	EP19-8	0.000054404	834709.8	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
162	Area	EP19-9	0.000054404	834739.7	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
163	Area	EP19-10	0.000054404	834760.2	817994.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (WKCD)
164	Area	EP19-11	0.000054404	834600.9	817978.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
165	Area	EP19-12	0.000054404	834626.3	817981.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (WKCD)
166	Area	EP20-1	0.000023102	834900.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
167	Area	EP20-2	0.000023102	834901.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
168	Area	EP20-3	0.000023102	834901.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
169	Area	EP20-4	0.000023102	834902.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
170	Area	EP20-5	0.000023102	834902.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
171	Area	EP20-6	0.000023102	834900.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (WKCD)
172	Area	EP21-1	0.000002727	835222.1	818158.9	3.0	20.1	0.5	31.8	Haul road to concrete batching plant (WKCD)
173	Area	EP21-2	0.000002727	835202.8	818136.3	3.0	10.2	0.5	13.9	Haul road to concrete batching plant (WKCD)



Appendix 3.4 Tier 1 Data Input for Year 2016 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
174	Area	EP22-1	0.000015247	835212.1	818138.2	3.0	19.3	0.5	35.7	Haul road to concrete batching plant (WKCD)
175	Area	EP22-2	0.000015247	835219.6	818178.4	3.0	22.3	0.5	55.1	Haul road to concrete batching plant (WKCD)
176	Area	EP23-1	0.000003258	835203.7	818113.6	3.0	7.8	0.5	46.4	Haul road to concrete batching plant (WKCD)
177	Area	EP23-2	0.000003258	835212.2	818144.1	3.0	15.9	0.5	8.0	Haul road to concrete batching plant (WKCD)
178	Area	EP23-3	0.000003258	835195.1	818122.7	3.0	22.9	0.5	9.5	Haul road to concrete batching plant (WKCD)
179	Line	HR7A	0.000000001	834964.1	818123.2	834964.1	817983.2	0.5	6.0	Haul Road to Barging Points (WKCD)
180	Line	HR7B	0.000000001	834964.1	817983.2	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (WKCD)
181	Line	HR7C	0.000000001	834898.1	818144.6	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (WKCD)
182	Line	HR8A	0.000000001	834895.8	817976.0	834764.7	817958.0	0.5	6.0	Haul Road to Barging Points (WKCD)
183	Line	HR8B	0.000000001	834767.7	817958.0	834637.5	817945.4	0.5	6.0	Haul Road to Barging Points (WKCD)
184	Line	HR9	0.000000001	834637.5	817945.4	834588.3	817940.5	0.5	6.0	Haul Road to Barging Points (WKCD)
185	Line	HR10A	0.000000001	834588.3	817940.5	834519.6	817934.4	0.5	6.0	Haul Road to Barging Points (WKCD)
186	Line	HR10B	0.000000001	834519.6	817934.4	834425.8	817897.2	0.5	6.0	Haul Road to Barging Points (WKCD)
187	Line	HR10C	0.000000001	834425.8	817897.2	834389.4	817855.7	0.5	6.0	Haul Road to Barging Points (WKCD)
188	Line	HR11	0.000000001	834389.4	817855.7	834313.9	817770.0	0.5	6.0	Haul Road to Barging Points (WKCD)
189	Line	HR12A	0.000000001	834313.9	817770.0	834289.8	817763.6	0.5	6.0	Haul Road to Barging Points (WKCD)
190	Point	BP4	0.004266640	834640.0	817930.5	0.0	0.0	0.5	0.0	Barging Point (WKCD)
191	Point	BP5	0.004266640	834591.9	817924.7	0.0	0.0	0.5	0.0	Barging Point (WKCD)
192	Point	BP6	0.004266640	834397.5	817847.6	0.0	0.0	0.5	0.0	Barging Point (WKCD)
193	Point	BP7	0.004266640	834328.6	817755.8	0.0	0.0	0.5	0.0	Barging Point (WKCD)
194	Area	F36	0.000239495	835267.8	818146.6	107.9	91.6	0.0	-86.0	Heavy construction (WKCD)
195	Area	F36	0.000002696	835267.8	818146.6	107.9	91.6	0.0	-86.0	Wind erosion (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2016 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	F1	0.000019879	834297.4	818332.9	145.1	23.5	0.0	55.0	Heavy construction (WKCD)
2	Area	F1	0.000002696	834297.4	818332.9	145.1	23.5	0.0	55.0	Wind erosion (WKCD)
3	Area	F2	0.000019879	834132.0	818269.2	240.0	5.5	0.0	0.0	Heavy construction (WKCD)
4	Area	F2	0.000002696	834132.0	818269.2	240.0	5.5	0.0	0.0	Wind erosion (WKCD)
5	Area	F3	0.000019879	834015.5	818232.9	67.0	11.5	0.0	-90.0	Heavy construction (WKCD)
6	Area	F3	0.000002696	834015.5	818232.9	67.0	11.5	0.0	-90.0	Wind erosion (WKCD)
7	Area	F4	0.000019879	833988.0	818173.2	68.0	11.0	0.0	53.6	Heavy construction (WKCD)
8	Area	F4	0.000002696	833988.0	818173.2	68.0	11.0	0.0	53.6	Wind erosion (WKCD)
9	Area	F5	0.000019879	833961.1	818108.0	69.0	22.5	0.0	-89.9	Heavy construction (WKCD)
10	Area	F5	0.000002696	833961.1	818108.0	69.0	22.5	0.0	-89.9	Wind erosion (WKCD)
11	Area	F6	0.000019879	833956.4	818048.8	49.5	12.9	0.0	-89.9	Heavy construction (WKCD)
12	Area	F6	0.000002696	833956.4	818048.8	49.5	12.9	0.0	-89.9	Wind erosion (WKCD)
13	Area	F7	0.000019879	834499.5	818164.0	235.0	80.2	0.0	-86.0	Heavy construction (WKCD)
14	Area	F7	0.000002696	834499.5	818164.0	235.0	80.2	0.0	-86.0	Wind erosion (WKCD)
15	Area	F8	0.000019879	834529.8	818146.7	20.0	20.0	0.0	4.0	Heavy construction (WKCD)
16	Area	F8	0.000002696	834529.8	818146.7	20.0	20.0	0.0	4.0	Wind erosion (WKCD)
17	Area	F9	0.000019879	834529.8	818146.7	78.1	18.6	0.0	4.0	Heavy construction (WKCD)
18	Area	F9	0.000002696	834529.8	818146.7	78.1	18.6	0.0	4.0	Wind erosion (WKCD)
19	Area	F10	0.000019879	834459.9	818100.5	63.9	48.6	0.0	4.0	Heavy construction (WKCD)
20	Area	F10	0.000002696	834459.9	818100.5	63.9	48.6	0.0	4.0	Wind erosion (WKCD)
21	Area	F11	0.000019879	834415.1	818084.4	27.8	22.7	0.0	4.0	Heavy construction (WKCD)
22	Area	F11	0.000002696	834415.1	818084.4	27.8	22.7	0.0	4.0	Wind erosion (WKCD)
23	Area	F12	0.000019879	834426.5	818004.5	144.0	138.3	0.0	4.0	Heavy construction (WKCD)
24	Area	F12	0.000002696	834426.5	818004.5	144.0	138.3	0.0	4.0	Wind erosion (WKCD)
25	Area	F13	0.000019879	834335.3	818040.3	36.0	33.0	0.0	90.0	Heavy construction (WKCD)
26	Area	F13	0.000002696	834335.3	818040.3	36.0	33.0	0.0	90.0	Wind erosion (WKCD)
27	Area	F14	0.000019879	834307.9	817999.8	93.2	41.0	0.0	4.0	Heavy construction (WKCD)
28	Area	F14	0.000002696	834307.9	817999.8	93.2	41.0	0.0	4.0	Wind erosion (WKCD)
29	Area	F15	0.000019879	834292.3	817948.6	131.5	59.0	0.0	4.0	Heavy construction (WKCD)
30	Area	F15	0.000002696	834292.3	817948.6	131.5	59.0	0.0	4.0	Wind erosion (WKCD)
31	Area	F16	0.000019879	834442.2	817920.8	173.5	31.0	0.0	4.0	Heavy construction (WKCD)
32	Area	F16	0.000002696	834442.2	817920.8	173.5	31.0	0.0	4.0	Wind erosion (WKCD)
33	Area	F17	0.000019879	834442.5	817890.9	82.5	28.7	0.0	4.0	Heavy construction (WKCD)
34	Area	F17	0.000002696	834442.5	817890.9	82.5	28.7	0.0	4.0	Wind erosion (WKCD)
35	Area	F18	0.000019879	834348.8	817811.0	165.0	24.4	0.0	48.8	Heavy construction (WKCD)
36	Area	F18	0.000002696	834348.8	817811.0	165.0	24.4	0.0	48.8	Wind erosion (WKCD)
37	Area	F19	0.000019879	834638.2	818116.8	294.0	56.2	0.0	4.0	Heavy construction (WKCD)
38	Area	F19	0.000002696	834638.2	818116.8	294.0	56.2	0.0	4.0	Wind erosion (WKCD)
39	Area	F20	0.000019879	834644.7	818023.9	294.0	130.0	0.0	4.0	Heavy construction (WKCD)
40	Area	F20	0.000002696	834644.7	818023.9	294.0	130.0	0.0	4.0	Wind erosion (WKCD)
41	Area	F21	0.000019879	834611.7	817938.0	167.1	20.3	0.0	4.0	Heavy construction (WKCD)
42	Area	F21	0.000002696	834611.7	817938.0	167.1	20.3	0.0	4.0	Wind erosion (WKCD)
43	Area	F22	0.000019879	834786.6	817954.4	183.4	16.6	0.0	6.6	Heavy construction (WKCD)
44	Area	F22	0.000002696	834786.6	817954.4	183.4	16.6	0.0	6.6	Wind erosion (WKCD)
45	Area	F23	0.000019879	834834.3	818130.5	99.2	56.3	0.0	4.0	Heavy construction (WKCD)
46	Area	F23	0.000002696	834834.3	818130.5	99.2	56.3	0.0	4.0	Wind erosion (WKCD)
47	Area	F24	0.000019879	834840.8	818037.6	130.0	99.2	0.0	-86.0	Heavy construction (WKCD)
48	Area	F24	0.000002696	834840.8	818037.6	130.0	99.2	0.0	-86.0	Wind erosion (WKCD)
49	Area	F25	0.000019879	834946.8	818079.8	173.3	118.2	0.0	-86.0	Heavy construction (WKCD)
50	Area	F25	0.000002696	834946.8	818079.8	173.3	118.2	0.0	-86.0	Wind erosion (WKCD)
51	Area	F26	0.000019879	834940.1	817976.2	125.8	16.5	0.0	10.2	Heavy construction (WKCD)
52	Area	F26	0.000002696	834940.1	817976.2	125.8	16.5	0.0	10.2	Wind erosion (WKCD)
53	Area	F27	0.000019879	834998.9	818176.6	242.0	12.7	0.0	4.0	Heavy construction (WKCD)
54	Area	F27	0.000002696	834998.9	818176.6	242.0	12.7	0.0	4.0	Wind erosion (WKCD)
55	Area	F28	0.000019879	835089.0	818148.4	175.1	56.1	0.0	4.0	Heavy construction (WKCD)
56	Area	F28	0.000002696	835089.0	818148.4	175.1	56.1	0.0	4.0	Wind erosion (WKCD)
57	Area	F29	0.000019879	835109.5	818068.4	204.7	106.3	0.0	4.0	Heavy construction (WKCD)
58	Area	F29	0.000002696	835109.5	818068.4	204.7	106.3	0.0	4.0	Wind erosion (WKCD)
59	Area	F30	0.000019879	835130.1	818002.1	258.8	19.6	0.0	7.0	Heavy construction (WKCD)
60	Area	F30	0.000002696	835130.1	818002.1	258.8	19.6	0.0	7.0	Wind erosion (WKCD)
61	Area	F31	0.000019879	835191.0	818156.9	58.9	29.6	0.0	-86.0	Heavy construction (WKCD)
62	Area	F31	0.000002696	835191.0	818156.9	58.9	29.6	0.0	-86.0	Wind erosion (WKCD)
63	Area	F32	0.000019879	835215.2	818134.0	121.9	15.3	0.0	-86.0	Heavy construction (WKCD)
64	Area	F32	0.000002696	835215.2	818134.0	121.9	15.3	0.0	-86.0	Wind erosion (WKCD)
65	Area	F33	0.000019879	835223.1	818049.3	48.0	11.3	0.0	-86.0	Heavy construction (WKCD)
66	Area	F33	0.000002696	835223.1	818049.3	48.0	11.3	0.0	-86.0	Wind erosion (WKCD)
67	Area	F34	0.000019879	835282.4	818085.6	112.2	16.0	0.0	4.0	Heavy construction (WKCD)
68	Area	F34	0.000002696	835282.4	818085.6	112.2	16.0	0.0	4.0	Wind erosion (WKCD)
69	Area	F35	0.000019879	835242.2	818050.7	48.0	27.0	0.0	-86.0	Heavy construction (WKCD)
70	Area	F35	0.000002696	835242.2	818050.7	48.0	27.0	0.0	-86.0	Wind erosion (WKCD)
71	Area	FB1	0.000019879	834306.9	818306.0	22.6	15.7	0.0	-35.0	Heavy construction (WKCD)
72	Area	FB1	0.000002696	834306.9	818306.0	22.6	15.7	0.0	-35.0	Wind erosion (WKCD)
73	Area	FB2	0.000019879	834430.0	818240.2	19.1	14.0	0.0	-35.5	Heavy construction (WKCD)
74	Area	FB2	0.000002696	834430.0	818240.2	19.1	14.0	0.0	-35.5	Wind erosion (WKCD)
75	Area	FB3	0.000019879	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
76	Area	FB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
77	Area	FB4	0.000019879	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
78	Area	FB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
79	Area	FB5	0.000019879	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
80	Area	FB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
81	Point	EP1	0.016666667	835199.6	818095.5	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
82	Point	EP2	0.016666667	835197.6	818087.0	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
83	Point	EP3	0.000229840	835198.7	818094.0	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
84	Point	EP4	0.000229840	835196.5	818085.7	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
85	Point	EP5	0.010833334	835205.4	818088.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
86	Point	EP6	0.010833334	835207.0	818095.3	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.

Appendix 3.4 Tier 1 Data Input for Year 2016 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
87	Point	EP7	0.010833334	835194.8	818092.4	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
88	Point	EP8	0.010833334	835205.8	818083.0	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
89	Point	EP9	0.001635902	835122.6	818097.6	0.0	0.0	4.0	0.0	Concrete batching plant (WKCD)
90	Point	EP10	0.001635902	834584.4	817939.9	0.0	0.0	7.0	0.0	Concrete batching plant (WKCD)
91	Area	EP11-1	0.000163385	834978.3	818020.7	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
92	Area	EP11-2	0.000163385	835007.6	818027.3	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
93	Area	EP11-3	0.000163385	835032.4	818033.9	3.0	20.8	0.5	12.7	Haul road to concrete batching plant (WKCD)
94	Area	EP11-4	0.000163385	835050.1	818040.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
95	Area	EP11-5	0.000163385	835079.9	818044.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
96	Area	EP11-6	0.000163385	835109.6	818048.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
97	Area	EP11-7	0.000163385	835139.4	818052.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
98	Area	EP11-8	0.000163385	835169.2	818056.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
99	Area	EP11-9	0.000163385	835186.0	818066.7	3.0	30.0	0.5	8.2	Haul road to concrete batching plant (WKCD)
100	Area	EP11-10	0.000163385	835219.2	818062.5	3.0	9.1	0.5	8.2	Haul road to concrete batching plant (WKCD)
101	Area	EP11-11	0.000163385	835239.5	818023.8	3.0	20.0	0.5	75.6	Haul road to concrete batching plant (WKCD)
102	Area	EP11-12	0.000163385	835232.0	818033.9	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (WKCD)
103	Area	EP11-13	0.000163385	835229.6	818063.7	3.0	21.7	0.5	96.1	Haul road to concrete batching plant (WKCD)
104	Area	EP11-14	0.000163385	835228.9	818089.7	3.0	8.1	0.5	86.3	Haul road to concrete batching plant (WKCD)
105	Area	EP11-15	0.000163385	835244.5	818102.7	3.0	30.0	0.5	75.2	Haul road to concrete batching plant (WKCD)
106	Area	EP11-16	0.000163385	835241.5	818131.7	3.0	8.2	0.5	75.2	Haul road to concrete batching plant (WKCD)
107	Area	EP12-1	0.000142480	834909.9	818016.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
108	Area	EP12-2	0.000142480	834939.8	818019.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
109	Area	EP12-3	0.000142480	834951.0	818024.2	3.0	8.4	0.5	3.0	Haul road to concrete batching plant (WKCD)
110	Area	EP12-4	0.000142480	834765.2	817997.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
111	Area	EP12-5	0.000142480	834795.0	818001.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
112	Area	EP12-6	0.000142480	834824.7	818005.9	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
113	Area	EP12-7	0.000142480	834854.4	818010.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
114	Area	EP12-8	0.000142480	834895.8	818015.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
115	Area	EP12-9	0.000142480	834649.8	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
116	Area	EP12-10	0.000142480	834679.7	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
117	Area	EP12-11	0.000142480	834709.5	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
118	Area	EP12-12	0.000142480	834739.4	817995.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
119	Area	EP12-13	0.000142480	834759.9	817997.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (WKCD)
120	Area	EP12-14	0.000142480	834600.6	817981.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
121	Area	EP12-15	0.000142480	834626.0	817984.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (WKCD)
122	Area	EP13-1	0.000063499	834897.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
123	Area	EP13-2	0.000063499	834898.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
124	Area	EP13-3	0.000063499	834898.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
125	Area	EP13-4	0.000063499	834899.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
126	Area	EP13-5	0.000063499	834899.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
127	Area	EP13-6	0.000063499	834897.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (WKCD)
128	Area	EP14-1	0.000008362	835223.4	818149.1	3.0	19.1	0.5	11.6	Haul road to concrete batching plant (WKCD)
129	Area	EP14-2	0.000008362	835210.1	818188.3	3.0	21.0	0.5	71.7	Haul road to concrete batching plant (WKCD)
130	Area	EP14-3	0.000008362	835204.0	818136.5	3.0	19.3	0.5	13.9	Haul road to concrete batching plant (WKCD)
131	Area	EP15-1	0.000039954	835212.7	818158.4	3.0	19.3	0.5	1.8	Haul road to concrete batching plant (WKCD)
132	Area	EP15-2	0.000039954	835220.7	818146.6	3.0	19.6	0.5	24.3	Haul road to concrete batching plant (WKCD)
133	Area	EP16-1	0.000017038	835211.8	818147.7	3.0	30.0	0.5	13.8	Haul road to concrete batching plant (WKCD)
134	Area	EP16-2	0.000017038	835205.7	818187.3	3.0	25.9	0.5	77.2	Haul road to concrete batching plant (WKCD)
135	Area	EP17-1	0.000008520	835213.0	818125.9	3.0	19.9	0.5	19.8	Haul road to concrete batching plant (WKCD)
136	Area	EP17-2	0.000008520	835195.8	818120.1	3.0	23.0	0.5	15.3	Haul road to concrete batching plant (WKCD)
137	Area	EP18-1	0.000061220	834979.0	818017.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
138	Area	EP18-2	0.000061220	835008.3	818024.4	3.0	30.0	0.5	12.7	Haul road to concrete batching plant (WKCD)
139	Area	EP18-3	0.000061220	835032.8	818031.0	3.0	20.5	0.5	12.7	Haul road to concrete batching plant (WKCD)
140	Area	EP18-4	0.000061220	835050.5	818037.9	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
141	Area	EP18-5	0.000061220	835080.3	818041.7	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
142	Area	EP18-6	0.000061220	835110.0	818045.5	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
143	Area	EP18-7	0.000061220	835139.8	818049.3	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
144	Area	EP18-8	0.000061220	835169.5	818053.1	3.0	30.0	0.5	7.3	Haul road to concrete batching plant (WKCD)
145	Area	EP18-9	0.000061220	835185.0	818063.9	3.0	30.0	0.5	8.3	Haul road to concrete batching plant (WKCD)
146	Area	EP18-10	0.000061220	835218.7	818059.5	3.0	11.0	0.5	8.3	Haul road to concrete batching plant (WKCD)
147	Area	EP18-11	0.000061220	835243.4	818020.4	3.0	23.2	0.5	75.6	Haul road to concrete batching plant (WKCD)
148	Area	EP18-12	0.000061220	835235.0	818033.7	3.0	30.0	0.5	96.1	Haul road to concrete batching plant (WKCD)
149	Area	EP18-13	0.000061220	835232.5	818063.5	3.0	22.2	0.5	96.1	Haul road to concrete batching plant (WKCD)
150	Area	EP18-14	0.000061220	835232.6	818089.9	3.0	7.0	0.5	86.5	Haul road to concrete batching plant (WKCD)
151	Area	EP18-15	0.000061220	834910.3	818013.6	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
152	Area	EP18-16	0.000061220	834940.1	818016.7	3.0	30.0	0.5	6.0	Haul road to concrete batching plant (WKCD)
153	Area	EP18-17	0.000061220	834959.7	818019.9	3.0	8.7	0.5	6.0	Haul road to concrete batching plant (WKCD)
154	Area	EP19-1	0.000054404	834795.6	817994.8	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
155	Area	EP19-2	0.000054404	834799.2	817976.5	3.0	30.0	0.5	57.8	Haul road to concrete batching plant (WKCD)
156	Area	EP19-3	0.000054404	834825.0	818003.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
157	Area	EP19-4	0.000054404	834854.8	818007.0	3.0	30.0	0.5	7.8	Haul road to concrete batching plant (WKCD)
158	Area	EP19-5	0.000054404	834884.0	818011.1	3.0	12.3	0.5	7.8	Haul road to concrete batching plant (WKCD)
159	Area	EP19-6	0.000054404	834650.1	817983.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
160	Area	EP19-7	0.000054404	834680.0	817986.1	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
161	Area	EP19-8	0.000054404	834709.8	817989.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
162	Area	EP19-9	0.000054404	834739.7	817992.0	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
163	Area	EP19-10	0.000054404	834760.2	817994.9	3.0	7.8	0.5	5.7	Haul road to concrete batching plant (WKCD)
164	Area	EP19-11	0.000054404	834600.9	817978.2	3.0	30.0	0.5	5.7	Haul road to concrete batching plant (WKCD)
165	Area	EP19-12	0.000054404	834626.3	817981.2	3.0	19.4	0.5	5.7	Haul road to concrete batching plant (WKCD)
166	Area	EP20-1	0.000023102	834900.8	817976.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
167	Area	EP20-2	0.000023102	834901.2	818006.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
168	Area	EP20-3	0.000023102	834901.6	818036.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
169	Area	EP20-4	0.000023102	834902.0	818066.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
170	Area	EP20-5	0.000023102	834902.4	818096.4	3.0	30.0	0.5	89.2	Haul road to concrete batching plant (WKCD)
171	Area	EP20-6	0.000023102	834900.9	818126.4	3.0	18.6	0.5	89.2	Haul road to concrete batching plant (WKCD)
172	Area	EP21-1	0.000002727	835222.1	818158.9	3.0	20.1	0.5	31.8	Haul road to concrete batching plant (WKCD)
173	Area	EP21-2	0.000002727	835202.8	818136.3	3.0	10.2	0.5	13.9	Haul road to concrete batching plant (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2016 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
174	Area	EP22-1	0.000015247	835212.1	818138.2	3.0	19.3	0.5	35.7	Haul road to concrete batching plant (WKCD)
175	Area	EP22-2	0.000015247	835219.6	818178.4	3.0	22.3	0.5	55.1	Haul road to concrete batching plant (WKCD)
176	Area	EP23-1	0.000003258	835203.7	818113.6	3.0	7.8	0.5	46.4	Haul road to concrete batching plant (WKCD)
177	Area	EP23-2	0.000003258	835212.2	818144.1	3.0	15.9	0.5	8.0	Haul road to concrete batching plant (WKCD)
178	Area	EP23-3	0.000003258	835195.1	818122.7	3.0	22.9	0.5	9.5	Haul road to concrete batching plant (WKCD)
179	Line	HR7A	0.000000001	834964.1	818123.2	834964.1	817983.2	0.5	6.0	Haul Road to Barging Points (WKCD)
180	Line	HR7B	0.000000001	834964.1	817983.2	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (WKCD)
181	Line	HR7C	0.000000001	834898.1	818144.6	834895.8	817976.0	0.5	6.0	Haul Road to Barging Points (WKCD)
182	Line	HR8A	0.000000001	834895.8	817976.0	834764.7	817958.0	0.5	6.0	Haul Road to Barging Points (WKCD)
183	Line	HR8B	0.000000001	834767.7	817958.0	834637.5	817945.4	0.5	6.0	Haul Road to Barging Points (WKCD)
184	Line	HR9	0.000000001	834637.5	817945.4	834588.3	817940.5	0.5	6.0	Haul Road to Barging Points (WKCD)
185	Line	HR10A	0.000000001	834588.3	817940.5	834519.6	817934.4	0.5	6.0	Haul Road to Barging Points (WKCD)
186	Line	HR10B	0.000000001	834519.6	817934.4	834425.8	817897.2	0.5	6.0	Haul Road to Barging Points (WKCD)
187	Line	HR10C	0.000000001	834425.8	817897.2	834389.4	817855.7	0.5	6.0	Haul Road to Barging Points (WKCD)
188	Line	HR11	0.000000001	834389.4	817855.7	834313.9	817770.0	0.5	6.0	Haul Road to Barging Points (WKCD)
189	Line	HR12A	0.000000001	834313.9	817770.0	834289.8	817763.6	0.5	6.0	Haul Road to Barging Points (WKCD)
190	Point	BP4	0.004266640	834640.0	817930.5	0.0	0.0	0.5	0.0	Barging Point (WKCD)
191	Point	BP5	0.004266640	834591.9	817924.7	0.0	0.0	0.5	0.0	Barging Point (WKCD)
192	Point	BP6	0.004266640	834397.5	817847.6	0.0	0.0	0.5	0.0	Barging Point (WKCD)
193	Point	BP7	0.004266640	834328.6	817755.8	0.0	0.0	0.5	0.0	Barging Point (WKCD)
194	Area	F36	0.000019879	835267.8	818146.6	107.9	91.6	0.0	-86.0	Heavy construction (WKCD)
195	Area	F36	0.000002696	835267.8	818146.6	107.9	91.6	0.0	-86.0	Wind erosion (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2017 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	H1	0.000029937	834317.6	818321.3	140.8	22.6	0.0	55.0	Heavy construction (WKCD)
2	Area	H1	0.000002696	834317.6	818321.3	140.8	22.6	0.0	55.0	Wind erosion (WKCD)
3	Area	H2	0.000029937	834147.2	818238.5	258.0	56.0	0.0	0.0	Heavy construction (WKCD)
4	Area	H2	0.000002696	834147.2	818238.5	258.0	56.0	0.0	0.0	Wind erosion (WKCD)
5	Area	H3	0.000029937	834174.9	818110.7	223.5	26.9	0.0	55.6	Heavy construction (WKCD)
6	Area	H3	0.000002696	834174.9	818110.7	223.5	26.9	0.0	55.6	Wind erosion (WKCD)
7	Area	H4	0.000029937	834202.1	818191.1	34.1	19.0	0.0	55.6	Heavy construction (WKCD)
8	Area	H4	0.000002696	834202.1	818191.1	34.1	19.0	0.0	55.6	Wind erosion (WKCD)
9	Area	H5	0.000029937	834179.8	818196.4	24.0	17.7	0.0	-34.4	Heavy construction (WKCD)
10	Area	H5	0.000002696	834179.8	818196.4	24.0	17.7	0.0	-34.4	Wind erosion (WKCD)
11	Area	H6	0.000029937	834162.2	818176.8	68.7	34.7	0.0	-34.4	Heavy construction (WKCD)
12	Area	H6	0.000002696	834162.2	818176.8	68.7	34.7	0.0	-34.4	Wind erosion (WKCD)
13	Area	H7	0.000029937	834123.5	818196.2	23.0	17.0	0.0	55.6	Heavy construction (WKCD)
14	Area	H7	0.000002696	834123.5	818196.2	23.0	17.0	0.0	55.6	Wind erosion (WKCD)
15	Area	H8	0.000029937	834104.4	818201.0	20.0	9.3	0.0	-34.4	Heavy construction (WKCD)
16	Area	H8	0.000002696	834104.4	818201.0	20.0	9.3	0.0	-34.4	Wind erosion (WKCD)
17	Area	H9	0.000029937	834044.2	818108.4	211.5	25.5	0.0	55.6	Heavy construction (WKCD)
18	Area	H9	0.000002696	834044.2	818108.4	211.5	25.5	0.0	55.6	Wind erosion (WKCD)
19	Area	H10	0.000029937	834030.7	818133.7	168.7	25.5	0.0	55.6	Heavy construction (WKCD)
20	Area	H10	0.000002696	834030.7	818133.7	168.7	25.5	0.0	55.6	Wind erosion (WKCD)
21	Area	H11	0.000029937	834009.4	818154.0	88.0	32.5	0.0	55.6	Heavy construction (WKCD)
22	Area	H11	0.000002696	834009.4	818154.0	88.0	32.5	0.0	55.6	Wind erosion (WKCD)
23	Area	H12	0.000029937	834089.5	817977.2	93.4	37.1	0.0	55.6	Heavy construction (WKCD)
24	Area	H12	0.000002696	834089.5	817977.2	93.4	37.1	0.0	55.6	Wind erosion (WKCD)
25	Area	H13	0.000029937	834043.0	817919.3	130.0	54.7	0.0	-34.4	Heavy construction (WKCD)
26	Area	H13	0.000002696	834043.0	817919.3	130.0	54.7	0.0	-34.4	Wind erosion (WKCD)
27	Area	H14	0.000029937	833999.5	817889.7	44.4	43.3	0.0	-34.4	Heavy construction (WKCD)
28	Area	H14	0.000002696	833999.5	817889.7	44.4	43.3	0.0	-34.4	Wind erosion (WKCD)
29	Area	H15	0.000029937	833986.2	817853.1	32.2	24.9	0.0	55.6	Heavy construction (WKCD)
30	Area	H15	0.000002696	833986.2	817853.1	32.2	24.9	0.0	55.6	Wind erosion (WKCD)
31	Area	H16	0.000029937	834007.4	817827.7	38.7	29.8	0.0	-34.4	Heavy construction (WKCD)
32	Area	H16	0.000002696	834007.4	817827.7	38.7	29.8	0.0	-34.4	Wind erosion (WKCD)
33	Area	H17	0.000029937	834165.0	817990.2	69.0	31.9	0.0	-22.6	Heavy construction (WKCD)
34	Area	H17	0.000002696	834165.0	817990.2	69.0	31.9	0.0	-22.6	Wind erosion (WKCD)
35	Area	H18	0.000029937	834171.3	817949.2	112.0	39.0	0.0	-22.6	Heavy construction (WKCD)
36	Area	H18	0.000002696	834171.3	817949.2	112.0	39.0	0.0	-22.6	Wind erosion (WKCD)
37	Area	H19	0.000029937	834137.8	817924.7	69.0	32.0	0.0	-22.6	Heavy construction (WKCD)
38	Area	H19	0.000002696	834137.8	817924.7	69.0	32.0	0.0	-22.6	Wind erosion (WKCD)
39	Area	H20	0.000029937	834300.6	818044.9	220.9	32.4	0.0	34.9	Heavy construction (WKCD)
40	Area	H20	0.000002696	834300.6	818044.9	220.9	32.4	0.0	34.9	Wind erosion (WKCD)
41	Area	H21	0.000029937	834560.7	818148.9	42.0	18.6	0.0	4.0	Heavy construction (WKCD)
42	Area	H21	0.000002696	834560.7	818148.9	42.0	18.6	0.0	4.0	Wind erosion (WKCD)
43	Area	H22	0.000029937	834734.3	818145.4	486.0	12.5	0.0	4.0	Heavy construction (WKCD)
44	Area	H22	0.000002696	834734.3	818145.4	486.0	12.5	0.0	4.0	Wind erosion (WKCD)
45	Area	H23	0.000029937	834751.1	818118.4	408.7	43.7	0.0	4.0	Heavy construction (WKCD)
46	Area	H23	0.000002696	834751.1	818118.4	408.7	43.7	0.0	4.0	Wind erosion (WKCD)
47	Area	H24	0.000029937	834765.7	818089.5	418.9	16.0	0.0	4.0	Heavy construction (WKCD)
48	Area	H24	0.000002696	834765.7	818089.5	418.9	16.0	0.0	4.0	Wind erosion (WKCD)
49	Area	H25	0.000029937	834602.0	818042.8	54.5	51.5	0.0	-86.0	Heavy construction (WKCD)
50	Area	H25	0.000002696	834602.0	818042.8	54.5	51.5	0.0	-86.0	Wind erosion (WKCD)
51	Area	H26	0.000029937	834723.5	818053.8	49.5	47.5	0.0	-86.0	Heavy construction (WKCD)
52	Area	H26	0.000002696	834723.5	818053.8	49.5	47.5	0.0	-86.0	Wind erosion (WKCD)
53	Area	H27	0.000029937	835177.2	818046.1	80.6	48.0	0.0	4.0	Heavy construction (WKCD)
54	Area	H27	0.000002696	835177.2	818046.1	80.6	48.0	0.0	4.0	Wind erosion (WKCD)
55	Area	H28	0.000029937	835223.1	818049.3	48.0	11.3	0.0	-86.0	Heavy construction (WKCD)
56	Area	H28	0.000002696	835223.1	818049.3	48.0	11.3	0.0	-86.0	Wind erosion (WKCD)
57	Area	H29	0.000029937	835242.2	818050.7	48.0	27.0	0.0	-86.0	Heavy construction (WKCD)
58	Area	H29	0.000002696	835242.2	818050.7	48.0	27.0	0.0	-86.0	Wind erosion (WKCD)
59	Area	H30	0.000029937	835282.4	818085.6	112.2	16.0	0.0	4.0	Heavy construction (WKCD)
60	Area	H30	0.000002696	835282.4	818085.6	112.2	16.0	0.0	4.0	Wind erosion (WKCD)
61	Area	H31	0.000029937	834499.5	818164.0	20.0	20.0	1.0	-86.0	Heavy construction (WKCD)
62	Area	H31	0.000002696	834499.5	818164.0	20.0	20.0	2.0	-86.0	Wind erosion (WKCD)
63	Area	H32	0.000029937	834459.9	818100.5	63.9	48.6	3.0	4.0	Heavy construction (WKCD)
64	Area	H32	0.000002696	834459.9	818100.5	63.9	48.6	4.0	4.0	Wind erosion (WKCD)
65	Area	H33	0.000029937	834415.1	818084.4	27.8	22.7	5.0	4.0	Heavy construction (WKCD)
66	Area	H33	0.000002696	834415.1	818084.4	27.8	22.7	6.0	4.0	Wind erosion (WKCD)
67	Area	H34	0.000029937	834426.5	818004.5	144.0	138.3	7.0	4.0	Heavy construction (WKCD)
68	Area	H34	0.000002696	834426.5	818004.5	144.0	138.3	8.0	4.0	Wind erosion (WKCD)
69	Area	H35	0.000029937	834085.3	818097.1	140.0	55.1	7.0	55.6	Heavy construction (WKCD)
70	Area	H35	0.000002696	834085.3	818097.1	140.0	55.1	8.0	55.6	Wind erosion (WKCD)
71	Area	H36	0.000029937	834335.3	818040.3	36.0	33.0	7.0	-86.0	Heavy construction (WKCD)
72	Area	H36	0.000002696	834335.3	818040.3	36.0	33.0	8.0	-86.0	Wind erosion (WKCD)
73	Area	H37	0.000029937	834307.9	817999.8	93.2	41.0	7.0	4.0	Heavy construction (WKCD)
74	Area	H37	0.000002696	834307.9	817999.8	93.2	41.0	8.0	4.0	Wind erosion (WKCD)
75	Area	H38	0.000029937	834292.3	817948.6	131.5	59.0	7.0	4.0	Heavy construction (WKCD)
76	Area	H38	0.000002696	834292.3	817948.6	131.5	59.0	8.0	4.0	Wind erosion (WKCD)
77	Area	H39	0.000029937	834442.2	817920.8	173.5	31.0	7.0	4.0	Heavy construction (WKCD)
78	Area	H39	0.000002696	834442.2	817920.8	173.5	31.0	8.0	4.0	Wind erosion (WKCD)
79	Area	H40	0.000029937	834442.5	817890.9	82.5	28.7	7.0	4.0	Heavy construction (WKCD)
80	Area	H40	0.000002696	834442.5	817890.9	82.5	28.7	8.0	4.0	Wind erosion (WKCD)
81	Area	H41	0.000029937	834348.8	817811.0	165.0	24.4	7.0	48.8	Heavy construction (WKCD)
82	Area	H41	0.000002696	834348.8	817811.0	165.0	24.4	8.0	48.8	Wind erosion (WKCD)
83	Area	H42	0.000029937	834611.7	817938.0	167.1	20.3	7.0	4.0	Heavy construction (WKCD)
84	Area	H42	0.000002696	834611.7	817938.0	167.1	20.3	8.0	4.0	Wind erosion (WKCD)
85	Area	H43	0.000029937	834786.6	817954.4	183.4	16.6	7.0	6.6	Heavy construction (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2017 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
86	Area	H43	0.000002696	834786.6	817954.4	183.4	16.6	8.0	6.6	Wind erosion (WKCD)
87	Area	H44	0.000029937	834940.1	817976.2	125.8	16.5	7.0	10.2	Heavy construction (WKCD)
88	Area	H44	0.000002696	834940.1	817976.2	125.8	16.5	8.0	10.2	Wind erosion (WKCD)
89	Area	H45	0.000029937	835130.1	818002.1	258.8	19.6	7.0	7.0	Heavy construction (WKCD)
90	Area	H45	0.000002696	835130.1	818002.1	258.8	19.6	8.0	7.0	Wind erosion (WKCD)
91	Area	HB1	0.000029937	834306.9	818306.0	22.6	15.7	0.0	-35.0	Heavy construction (WKCD)
92	Area	HB1	0.000002696	834306.9	818306.0	22.6	15.7	0.0	-35.0	Wind erosion (WKCD)
93	Area	HB2	0.000029937	834430.0	818240.2	19.1	14.0	0.0	-35.5	Heavy construction (WKCD)
94	Area	HB2	0.000002696	834430.0	818240.2	19.1	14.0	0.0	-35.5	Wind erosion (WKCD)
95	Area	HB3	0.000029937	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
96	Area	HB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
97	Area	HB4	0.000029937	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
98	Area	HB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
99	Area	HB5	0.000029937	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
100	Area	HB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
101	Point	EP1	0.016666667	834221.9	818227.6	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
102	Point	EP2	0.016666667	834218.1	818219.8	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
103	Point	EP3	0.000229840	834220.7	818226.4	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
104	Point	EP4	0.000229840	834216.7	818218.9	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
105	Point	EP5	0.010833334	834226.1	818219.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
106	Point	EP6	0.010833334	834229.1	818225.8	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
107	Point	EP7	0.010833334	834216.6	818225.7	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
108	Point	EP8	0.010833334	834225.1	818214.1	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
109	Point	EP9	0.001635902	834260.5	818247.3	0.0	0.0	4.0	0.0	Concrete batching plant (WKCD)
110	Line	CBH1	0.000163385	834200.5	817975.6	834389.4	818110.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
111	Line	CBH2	0.000163385	834141.2	818000.2	834200.5	817975.6	0.5	3.0	Haul road to concrete batching plant (WKCD)
112	Line	CBH3	0.000163385	834136.2	818048.9	834141.2	818000.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
113	Line	CBH4	0.000163385	834237.6	818196.8	834136.2	818048.9	0.5	3.0	Haul road to concrete batching plant (WKCD)
114	Line	CBX1	0.000061220	834200.2	817978.8	834391.1	818108.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
115	Line	CBX2	0.000061220	834144.0	818002.3	834200.2	817978.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
116	Line	CBX3	0.000061220	834138.7	818047.2	834144.0	818002.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
117	Line	CBX4	0.000061220	834240.1	818195.1	834138.7	818047.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
118	Area	EP14-1	0.000008362	834249.2	818280.9	3.0	19.1	0.5	-1.4	Haul road within Concrete batching plant (WKCD)
119	Area	EP14-2	0.000008362	834235.9	818320.2	3.0	21.0	0.5	58.7	Haul road within Concrete batching plant (WKCD)
120	Area	EP14-3	0.000008362	834229.8	818268.3	3.0	19.3	0.5	0.9	Haul road within Concrete batching plant (WKCD)
121	Area	EP15-1	0.000039954	834238.5	818290.2	3.0	19.3	0.5	-11.2	Haul road within Concrete batching plant (WKCD)
122	Area	EP15-2	0.000039954	834246.6	818278.5	3.0	19.6	0.5	11.3	Haul road within Concrete batching plant (WKCD)
123	Area	EP16-1	0.000017038	834237.6	818279.6	3.0	30.0	0.5	0.8	Haul road within Concrete batching plant (WKCD)
124	Area	EP16-2	0.000017038	834231.5	818319.1	3.0	25.9	0.5	64.2	Haul road within Concrete batching plant (WKCD)
125	Area	EP17-1	0.000008520	834238.8	818257.8	3.0	19.9	0.5	6.8	Haul road within Concrete batching plant (WKCD)
126	Area	EP17-2	0.000008520	834221.6	818252.0	3.0	23.0	0.5	2.3	Haul road within Concrete batching plant (WKCD)
127	Area	EP21-1	0.000002727	834247.9	818290.7	3.0	20.1	0.5	18.8	Haul road within Concrete batching plant (WKCD)
128	Area	EP21-2	0.000002727	834228.7	818268.1	3.0	10.2	0.5	0.9	Haul road within Concrete batching plant (WKCD)
129	Area	EP22-1	0.000015247	834237.9	818270.1	3.0	19.3	0.5	22.7	Haul road within Concrete batching plant (WKCD)
130	Area	EP22-2	0.000015247	834245.4	818310.3	3.0	22.3	0.5	42.1	Haul road within Concrete batching plant (WKCD)
131	Area	EP23-1	0.000003258	834229.5	818245.5	3.0	7.8	0.5	33.4	Haul road within Concrete batching plant (WKCD)
132	Area	EP23-2	0.000003258	834238.0	818275.9	3.0	15.9	0.5	-5.0	Haul road within Concrete batching plant (WKCD)
133	Area	EP23-3	0.000003258	834220.9	818254.6	3.0	22.9	0.5	-3.5	Haul road within Concrete batching plant (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2017 (mitigated)

No. of Sour	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	H1	0.000029937	834317.6	818321.3	140.8	22.6	0.0	55.0	Heavy construction (WKCD)
2	Area	H1	0.00002696	834317.6	818321.3	140.8	22.6	0.0	55.0	Wind erosion (WKCD)
3	Area	H2	0.000029937	834147.2	818238.5	258.0	56.0	0.0	0.0	Heavy construction (WKCD)
4	Area	H2	0.00002696	834147.2	818238.5	258.0	56.0	0.0	0.0	Wind erosion (WKCD)
5	Area	H3	0.000029937	834174.9	818110.7	223.5	26.9	0.0	55.6	Heavy construction (WKCD)
6	Area	H3	0.00002696	834174.9	818110.7	223.5	26.9	0.0	55.6	Wind erosion (WKCD)
7	Area	H4	0.000029937	834202.1	818191.1	34.1	19.0	0.0	55.6	Heavy construction (WKCD)
8	Area	H4	0.00002696	834202.1	818191.1	34.1	19.0	0.0	55.6	Wind erosion (WKCD)
9	Area	H5	0.000029937	834179.8	818196.4	24.0	17.7	0.0	-34.4	Heavy construction (WKCD)
10	Area	H5	0.00002696	834179.8	818196.4	24.0	17.7	0.0	-34.4	Wind erosion (WKCD)
11	Area	H6	0.000029937	834162.2	818176.8	68.7	34.7	0.0	-34.4	Heavy construction (WKCD)
12	Area	H6	0.00002696	834162.2	818176.8	68.7	34.7	0.0	-34.4	Wind erosion (WKCD)
13	Area	H7	0.000029937	834123.5	818196.2	23.0	17.0	0.0	55.6	Heavy construction (WKCD)
14	Area	H7	0.00002696	834123.5	818196.2	23.0	17.0	0.0	55.6	Wind erosion (WKCD)
15	Area	H8	0.000029937	834104.4	818201.0	20.0	9.3	0.0	-34.4	Heavy construction (WKCD)
16	Area	H8	0.00002696	834104.4	818201.0	20.0	9.3	0.0	-34.4	Wind erosion (WKCD)
17	Area	H9	0.000029937	834044.2	818108.4	211.5	25.5	0.0	55.6	Heavy construction (WKCD)
18	Area	H9	0.00002696	834044.2	818108.4	211.5	25.5	0.0	55.6	Wind erosion (WKCD)
19	Area	H10	0.000029937	834030.7	818133.7	168.7	25.5	0.0	55.6	Heavy construction (WKCD)
20	Area	H10	0.00002696	834030.7	818133.7	168.7	25.5	0.0	55.6	Wind erosion (WKCD)
21	Area	H11	0.000029937	834009.4	818154.0	88.0	32.5	0.0	55.6	Heavy construction (WKCD)
22	Area	H11	0.00002696	834009.4	818154.0	88.0	32.5	0.0	55.6	Wind erosion (WKCD)
23	Area	H12	0.000029937	834089.5	817977.2	93.4	37.1	0.0	55.6	Heavy construction (WKCD)
24	Area	H12	0.00002696	834089.5	817977.2	93.4	37.1	0.0	55.6	Wind erosion (WKCD)
25	Area	H13	0.000029937	834043.0	817919.3	130.0	54.7	0.0	-34.4	Heavy construction (WKCD)
26	Area	H13	0.00002696	834043.0	817919.3	130.0	54.7	0.0	-34.4	Wind erosion (WKCD)
27	Area	H14	0.000029937	833999.5	817889.7	44.4	43.3	0.0	-34.4	Heavy construction (WKCD)
28	Area	H14	0.00002696	833999.5	817889.7	44.4	43.3	0.0	-34.4	Wind erosion (WKCD)
29	Area	H15	0.000029937	833986.2	817853.1	32.2	24.9	0.0	55.6	Heavy construction (WKCD)
30	Area	H15	0.00002696	833986.2	817853.1	32.2	24.9	0.0	55.6	Wind erosion (WKCD)
31	Area	H16	0.000029937	834007.4	817827.7	38.7	29.8	0.0	-34.4	Heavy construction (WKCD)
32	Area	H16	0.00002696	834007.4	817827.7	38.7	29.8	0.0	-34.4	Wind erosion (WKCD)
33	Area	H17	0.000029937	834165.0	817990.2	69.0	31.9	0.0	-22.6	Heavy construction (WKCD)
34	Area	H17	0.00002696	834165.0	817990.2	69.0	31.9	0.0	-22.6	Wind erosion (WKCD)
35	Area	H18	0.000029937	834171.3	817949.2	112.0	39.0	0.0	-22.6	Heavy construction (WKCD)
36	Area	H18	0.00002696	834171.3	817949.2	112.0	39.0	0.0	-22.6	Wind erosion (WKCD)
37	Area	H19	0.000029937	834137.8	817924.7	69.0	32.0	0.0	-22.6	Heavy construction (WKCD)
38	Area	H19	0.00002696	834137.8	817924.7	69.0	32.0	0.0	-22.6	Wind erosion (WKCD)
39	Area	H20	0.000029937	834300.6	818044.9	220.9	32.4	0.0	34.9	Heavy construction (WKCD)
40	Area	H20	0.00002696	834300.6	818044.9	220.9	32.4	0.0	34.9	Wind erosion (WKCD)
41	Area	H21	0.000029937	834560.7	818148.9	42.0	18.6	0.0	4.0	Heavy construction (WKCD)
42	Area	H21	0.00002696	834560.7	818148.9	42.0	18.6	0.0	4.0	Wind erosion (WKCD)
43	Area	H22	0.000029937	834734.3	818145.4	486.0	12.5	0.0	4.0	Heavy construction (WKCD)
44	Area	H22	0.00002696	834734.3	818145.4	486.0	12.5	0.0	4.0	Wind erosion (WKCD)
45	Area	H23	0.000029937	834751.1	818118.4	408.7	43.7	0.0	4.0	Heavy construction (WKCD)
46	Area	H23	0.00002696	834751.1	818118.4	408.7	43.7	0.0	4.0	Wind erosion (WKCD)
47	Area	H24	0.000029937	834765.7	818089.5	418.9	16.0	0.0	4.0	Heavy construction (WKCD)
48	Area	H24	0.00002696	834765.7	818089.5	418.9	16.0	0.0	4.0	Wind erosion (WKCD)
49	Area	H25	0.000029937	834602.0	818042.8	54.5	51.5	0.0	-86.0	Heavy construction (WKCD)
50	Area	H25	0.00002696	834602.0	818042.8	54.5	51.5	0.0	-86.0	Wind erosion (WKCD)
51	Area	H26	0.000029937	834723.5	818053.8	49.5	47.5	0.0	-86.0	Heavy construction (WKCD)
52	Area	H26	0.00002696	834723.5	818053.8	49.5	47.5	0.0	-86.0	Wind erosion (WKCD)
53	Area	H27	0.000029937	835177.2	818046.1	80.6	48.0	0.0	4.0	Heavy construction (WKCD)
54	Area	H27	0.00002696	835177.2	818046.1	80.6	48.0	0.0	4.0	Wind erosion (WKCD)
55	Area	H28	0.000029937	835223.1	818049.3	48.0	11.3	0.0	-86.0	Heavy construction (WKCD)
56	Area	H28	0.00002696	835223.1	818049.3	48.0	11.3	0.0	-86.0	Wind erosion (WKCD)
57	Area	H29	0.000029937	835242.2	818050.7	48.0	27.0	0.0	-86.0	Heavy construction (WKCD)
58	Area	H29	0.00002696	835242.2	818050.7	48.0	27.0	0.0	-86.0	Wind erosion (WKCD)
59	Area	H30	0.000029937	835282.4	818085.6	112.2	16.0	0.0	4.0	Heavy construction (WKCD)
60	Area	H30	0.00002696	835282.4	818085.6	112.2	16.0	0.0	4.0	Wind erosion (WKCD)
61	Area	H31	0.000029937	834499.5	818164.0	20.0	20.0	1.0	-86.0	Heavy construction (WKCD)
62	Area	H31	0.00002696	834499.5	818164.0	20.0	20.0	2.0	-86.0	Wind erosion (WKCD)
63	Area	H32	0.000029937	834459.9	818100.5	63.9	48.6	3.0	4.0	Heavy construction (WKCD)
64	Area	H32	0.00002696	834459.9	818100.5	63.9	48.6	4.0	4.0	Wind erosion (WKCD)
65	Area	H33	0.000029937	834415.1	818084.4	27.8	22.7	5.0	4.0	Heavy construction (WKCD)
66	Area	H33	0.00002696	834415.1	818084.4	27.8	22.7	6.0	4.0	Wind erosion (WKCD)
67	Area	H34	0.000029937	834426.5	818004.5	144.0	138.3	7.0	4.0	Heavy construction (WKCD)
68	Area	H34	0.00002696	834426.5	818004.5	144.0	138.3	8.0	4.0	Wind erosion (WKCD)
69	Area	H35	0.000029937	834085.3	818097.1	140.0	55.1	7.0	55.6	Heavy construction (WKCD)
70	Area	H35	0.00002696	834085.3	818097.1	140.0	55.1	8.0	55.6	Wind erosion (WKCD)
71	Area	H36	0.000029937	834335.3	818040.3	36.0	33.0	7.0	-86.0	Heavy construction (WKCD)
72	Area	H36	0.00002696	834335.3	818040.3	36.0	33.0	8.0	-86.0	Wind erosion (WKCD)
73	Area	H37	0.000029937	834307.9	817999.8	93.2	41.0	7.0	4.0	Heavy construction (WKCD)
74	Area	H37	0.00002696	834307.9	817999.8	93.2	41.0	8.0	4.0	Wind erosion (WKCD)
75	Area	H38	0.000029937	834292.3	817948.6	131.5	59.0	7.0	4.0	Heavy construction (WKCD)
76	Area	H38	0.00002696	834292.3	817948.6	131.5	59.0	8.0	4.0	Wind erosion (WKCD)
77	Area	H39	0.000029937	834442.2	817920.8	173.5	31.0	7.0	4.0	Heavy construction (WKCD)
78	Area	H39	0.00002696	834442.2	817920.8	173.5	31.0	8.0	4.0	Wind erosion (WKCD)
79	Area	H40	0.000029937	834442.5	817890.9	82.5	28.7	7.0	4.0	Heavy construction (WKCD)
80	Area	H40	0.00002696	834442.5	817890.9	82.5	28.7	8.0	4.0	Wind erosion (WKCD)
81	Area	H41	0.000029937	834348.8	817811.0	165.0	24.4	7.0	48.8	Heavy construction (WKCD)
82	Area	H41	0.00002696	834348.8	817811.0	165.0	24.4	8.0	48.8	Wind erosion (WKCD)
83	Area	H42	0.000029937	834611.7	817938.0	167.1	20.3	7.0	4.0	Heavy construction (WKCD)
84	Area	H42	0.00002696	834611.7	817938.0	167.1	20.3	8.0	4.0	Wind erosion (WKCD)
85	Area	H43	0.000029937	834786.6	817954.4	183.4	16.6	7.0	6.6	Heavy construction (WKCD)
86	Area	H43	0.00002696	834786.6	817954.4	183.4	16.6	8.0	6.6	Wind erosion (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2017 (mitigated)

No. of Sour	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
87	Area	H44	0.000029937	834940.1	817976.2	125.8	16.5	7.0	10.2	Heavy construction (WKCD)
88	Area	H44	0.000002696	834940.1	817976.2	125.8	16.5	8.0	10.2	Wind erosion (WKCD)
89	Area	H45	0.000029937	835130.1	818002.1	258.8	19.6	7.0	7.0	Heavy construction (WKCD)
90	Area	H45	0.000002696	835130.1	818002.1	258.8	19.6	8.0	7.0	Wind erosion (WKCD)
91	Area	HB1	0.000029937	834306.9	818306.0	22.6	15.7	0.0	-35.0	Heavy construction (WKCD)
92	Area	HB1	0.000002696	834306.9	818306.0	22.6	15.7	0.0	-35.0	Wind erosion (WKCD)
93	Area	HB2	0.000029937	834430.0	818240.2	19.1	14.0	0.0	-35.5	Heavy construction (WKCD)
94	Area	HB2	0.000002696	834430.0	818240.2	19.1	14.0	0.0	-35.5	Wind erosion (WKCD)
95	Area	HB3	0.000029937	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
96	Area	HB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
97	Area	HB4	0.000029937	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
98	Area	HB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
99	Area	HB5	0.000029937	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
100	Area	HB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
101	Point	EP1	0.016666667	834221.9	818227.6	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
102	Point	EP2	0.016666667	834218.1	818219.8	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
103	Point	EP3	0.000229840	834220.7	818226.4	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
104	Point	EP4	0.000229840	834216.7	818218.9	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
105	Point	EP5	0.010833334	834226.1	818219.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
106	Point	EP6	0.010833334	834229.1	818225.8	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
107	Point	EP7	0.010833334	834216.6	818225.7	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
108	Point	EP8	0.010833334	834225.1	818214.1	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
109	Point	EP9	0.001635902	834260.5	818247.3	0.0	0.0	4.0	0.0	Concrete batching plant (WKCD)
110	Line	CBH1	0.000163385	834200.5	817975.6	834389.4	818110.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
111	Line	CBH2	0.000163385	834141.2	818000.2	834200.5	817975.6	0.5	3.0	Haul road to concrete batching plant (WKCD)
112	Line	CBH3	0.000163385	834136.2	818048.9	834141.2	818000.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
113	Line	CBH4	0.000163385	834237.6	818196.8	834136.2	818048.9	0.5	3.0	Haul road to concrete batching plant (WKCD)
114	Line	CBX1	0.000061220	834200.2	817978.8	834391.1	818108.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
115	Line	CBX2	0.000061220	834144.0	818002.3	834200.2	817978.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
116	Line	CBX3	0.000061220	834138.7	818047.2	834144.0	818002.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
117	Line	CBX4	0.000061220	834240.1	818195.1	834138.7	818047.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
118	Area	EP14-1	0.000008362	834249.2	818280.9	3.0	19.1	0.5	-1.4	Haul road within Concrete batching plant (WKCD)
119	Area	EP14-2	0.000008362	834235.9	818320.2	3.0	21.0	0.5	58.7	Haul road within Concrete batching plant (WKCD)
120	Area	EP14-3	0.000008362	834229.8	818268.3	3.0	19.3	0.5	0.9	Haul road within Concrete batching plant (WKCD)
121	Area	EP15-1	0.000039954	834238.5	818290.2	3.0	19.3	0.5	-11.2	Haul road within Concrete batching plant (WKCD)
122	Area	EP15-2	0.000039954	834246.6	818278.5	3.0	19.6	0.5	11.3	Haul road within Concrete batching plant (WKCD)
123	Area	EP16-1	0.000017038	834237.6	818279.6	3.0	30.0	0.5	0.8	Haul road within Concrete batching plant (WKCD)
124	Area	EP16-2	0.000017038	834231.5	818319.1	3.0	25.9	0.5	64.2	Haul road within Concrete batching plant (WKCD)
125	Area	EP17-1	0.000008520	834238.8	818257.8	3.0	19.9	0.5	6.8	Haul road within Concrete batching plant (WKCD)
126	Area	EP17-2	0.000008520	834221.6	818252.0	3.0	23.0	0.5	2.3	Haul road within Concrete batching plant (WKCD)
127	Area	EP21-1	0.000002727	834247.9	818290.7	3.0	20.1	0.5	18.8	Haul road within Concrete batching plant (WKCD)
128	Area	EP21-2	0.000002727	834228.7	818268.1	3.0	10.2	0.5	0.9	Haul road within Concrete batching plant (WKCD)
129	Area	EP22-1	0.000015247	834237.9	818270.1	3.0	19.3	0.5	22.7	Haul road within Concrete batching plant (WKCD)
130	Area	EP22-2	0.000015247	834245.4	818310.3	3.0	22.3	0.5	42.1	Haul road within Concrete batching plant (WKCD)
131	Area	EP23-1	0.000003258	834229.5	818245.5	3.0	7.8	0.5	33.4	Haul road within Concrete batching plant (WKCD)
132	Area	EP23-2	0.000003258	834238.0	818275.9	3.0	15.9	0.5	-5.0	Haul road within Concrete batching plant (WKCD)
133	Area	EP23-3	0.000003258	834220.9	818254.6	3.0	22.9	0.5	-3.5	Haul road within Concrete batching plant (WKCD)



Appendix 3.4 Tier 1 Data Input for Year 2018 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	I1	0.000239495	834317.6	818321.3	140.8	22.6	0.0	55.0	Heavy construction (WKCD)
2	Area	I1	0.000002696	834317.6	818321.3	140.8	22.6	0.0	55.0	Wind erosion (WKCD)
3	Area	I2	0.000239495	834147.2	818238.5	258.0	56.0	0.0	0.0	Heavy construction (WKCD)
4	Area	I2	0.000002696	834147.2	818238.5	258.0	56.0	0.0	0.0	Wind erosion (WKCD)
5	Area	I3	0.000239495	834174.9	818110.7	223.5	26.9	0.0	55.6	Heavy construction (WKCD)
6	Area	I3	0.000002696	834174.9	818110.7	223.5	26.9	0.0	55.6	Wind erosion (WKCD)
7	Area	I4	0.000239495	834202.1	818191.1	34.1	19.0	0.0	55.6	Heavy construction (WKCD)
8	Area	I4	0.000002696	834202.1	818191.1	34.1	19.0	0.0	55.6	Wind erosion (WKCD)
9	Area	I5	0.000239495	834179.8	818196.4	24.0	17.7	0.0	-34.4	Heavy construction (WKCD)
10	Area	I5	0.000002696	834179.8	818196.4	24.0	17.7	0.0	-34.4	Wind erosion (WKCD)
11	Area	I6	0.000239495	834162.2	818176.8	68.7	34.7	0.0	-34.4	Heavy construction (WKCD)
12	Area	I6	0.000002696	834162.2	818176.8	68.7	34.7	0.0	-34.4	Wind erosion (WKCD)
13	Area	I7	0.000239495	834123.5	818196.2	23.0	17.0	0.0	55.6	Heavy construction (WKCD)
14	Area	I7	0.000002696	834123.5	818196.2	23.0	17.0	0.0	55.6	Wind erosion (WKCD)
15	Area	I8	0.000239495	834104.4	818201.0	20.0	9.3	0.0	-34.4	Heavy construction (WKCD)
16	Area	I8	0.000002696	834104.4	818201.0	20.0	9.3	0.0	-34.4	Wind erosion (WKCD)
17	Area	I9	0.000239495	834081.2	818068.8	235.0	80.2	0.0	55.6	Heavy construction (WKCD)
18	Area	I9	0.000002696	834081.2	818068.8	235.0	80.2	0.0	55.6	Wind erosion (WKCD)
19	Area	I10	0.000239495	834044.2	818108.4	211.5	25.5	0.0	55.6	Heavy construction (WKCD)
20	Area	I10	0.000002696	834044.2	818108.4	211.5	25.5	0.0	55.6	Wind erosion (WKCD)
21	Area	I11	0.000239495	834030.7	818133.7	168.7	25.5	0.0	55.6	Heavy construction (WKCD)
22	Area	I11	0.000002696	834030.7	818133.7	168.7	25.5	0.0	55.6	Wind erosion (WKCD)
23	Area	I12	0.000239495	834009.4	818154.0	88.0	32.5	0.0	55.6	Heavy construction (WKCD)
24	Area	I12	0.000002696	834009.4	818154.0	88.0	32.5	0.0	55.6	Wind erosion (WKCD)
25	Area	I13	0.000239495	834089.5	817977.2	93.4	37.1	0.0	55.6	Heavy construction (WKCD)
26	Area	I13	0.000002696	834089.5	817977.2	93.4	37.1	0.0	55.6	Wind erosion (WKCD)
27	Area	I14	0.000239495	834043.0	817919.3	130.0	54.7	0.0	-34.4	Heavy construction (WKCD)
28	Area	I14	0.000002696	834043.0	817919.3	130.0	54.7	0.0	-34.4	Wind erosion (WKCD)
29	Area	I15	0.000239495	833999.5	817889.7	44.4	43.3	0.0	-34.4	Heavy construction (WKCD)
30	Area	I15	0.000002696	833999.5	817889.7	44.4	43.3	0.0	-34.4	Wind erosion (WKCD)
31	Area	I16	0.000239495	833986.2	817853.1	32.2	24.9	0.0	55.6	Heavy construction (WKCD)
32	Area	I16	0.000002696	833986.2	817853.1	32.2	24.9	0.0	55.6	Wind erosion (WKCD)
33	Area	I17	0.000239495	834007.4	817827.7	38.7	29.8	0.0	-34.4	Heavy construction (WKCD)
34	Area	I17	0.000002696	834007.4	817827.7	38.7	29.8	0.0	-34.4	Wind erosion (WKCD)
35	Area	I18	0.000239495	834165.0	817990.2	69.0	31.9	0.0	-22.6	Heavy construction (WKCD)
36	Area	I18	0.000002696	834165.0	817990.2	69.0	31.9	0.0	-22.6	Wind erosion (WKCD)
37	Area	I19	0.000239495	834171.3	817949.2	112.0	39.0	0.0	-22.6	Heavy construction (WKCD)
38	Area	I19	0.000002696	834171.3	817949.2	112.0	39.0	0.0	-22.6	Wind erosion (WKCD)
39	Area	I20	0.000239495	834137.8	817924.7	69.0	32.0	0.0	-22.6	Heavy construction (WKCD)
40	Area	I20	0.000002696	834137.8	817924.7	69.0	32.0	0.0	-22.6	Wind erosion (WKCD)
41	Area	I21	0.000239495	834300.6	818044.9	220.9	32.4	0.0	34.9	Heavy construction (WKCD)
42	Area	I21	0.000002696	834300.6	818044.9	220.9	32.4	0.0	34.9	Wind erosion (WKCD)
43	Area	I22	0.000239495	834859.8	818096.1	230.3	16.0	0.0	4.0	Heavy construction (WKCD)
44	Area	I22	0.000002696	834859.8	818096.1	230.3	16.0	0.0	4.0	Wind erosion (WKCD)
45	Area	I23	0.000239495	834783.2	818031.6	102.0	68.5	0.0	-86.0	Heavy construction (WKCD)
46	Area	I23	0.000002696	834783.2	818031.6	102.0	68.5	0.0	-86.0	Wind erosion (WKCD)
47	Area	I24	0.000239495	834896.8	818043.1	95.0	64.6	0.0	-86.0	Heavy construction (WKCD)
48	Area	I24	0.000002696	834896.8	818043.1	95.0	64.6	0.0	-86.0	Wind erosion (WKCD)
49	Area	I25	0.000239495	835177.2	818046.1	80.6	48.0	0.0	4.0	Heavy construction (WKCD)
50	Area	I25	0.000002696	835177.2	818046.1	80.6	48.0	0.0	4.0	Wind erosion (WKCD)
51	Area	IB3	0.000239495	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
52	Area	IB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
53	Area	IB4	0.000239495	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
54	Area	IB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
55	Area	IB5	0.000239495	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
56	Area	IB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
57	Point	EP1	0.016666667	834221.9	818227.6	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
58	Point	EP2	0.016666667	834218.1	818219.8	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
59	Point	EP3	0.000229840	834220.7	818226.4	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
60	Point	EP4	0.000229840	834216.7	818218.9	0.0	0.0	13.0	0.0	Concrete batching plant (WKCD)
61	Point	EP5	0.010833334	834226.1	818219.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
62	Point	EP6	0.010833334	834229.1	818225.8	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
63	Point	EP7	0.010833334	834216.6	818225.7	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
64	Point	EP8	0.010833334	834225.1	818214.1	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
65	Point	EP9	0.001635902	834260.5	818247.3	0.0	0.0	4.0	0.0	Concrete batching plant (WKCD)
66	Line	CBH1	0.000163385	834200.5	817975.6	834389.4	818110.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
67	Line	CBH2	0.000163385	834141.2	818000.2	834200.5	817975.6	0.5	3.0	Haul road to concrete batching plant (WKCD)
68	Line	CBH3	0.000163385	834136.2	818048.9	834141.2	818000.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
69	Line	CBH4	0.000163385	834237.6	818196.8	834136.2	818048.9	0.5	3.0	Haul road to concrete batching plant (WKCD)
70	Line	CBX1	0.000061220	834200.2	817978.8	834391.1	818108.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
71	Line	CBX2	0.000061220	834144.0	818002.3	834200.2	817978.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
72	Line	CBX3	0.000061220	834138.7	818047.2	834144.0	818002.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
73	Line	CBX4	0.000061220	834240.1	818195.1	834138.7	818047.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
74	Area	EP14-1	0.000008362	834249.2	818280.9	3.0	19.1	0.5	-1.4	Haul road within Concrete batching plant (WKCD)
75	Area	EP14-2	0.000008362	834235.9	818320.2	3.0	21.0	0.5	58.7	Haul road within Concrete batching plant (WKCD)
76	Area	EP14-3	0.000008362	834229.8	818268.3	3.0	19.3	0.5	0.9	Haul road within Concrete batching plant (WKCD)
77	Area	EP15-1	0.000039954	834238.5	818290.2	3.0	19.3	0.5	-11.2	Haul road within Concrete batching plant (WKCD)
78	Area	EP15-2	0.000039954	834246.6	818278.5	3.0	19.6	0.5	11.3	Haul road within Concrete batching plant (WKCD)
79	Area	EP16-1	0.000017038	834237.6	818279.6	3.0	30.0	0.5	0.8	Haul road within Concrete batching plant (WKCD)
80	Area	EP16-2	0.000017038	834231.5	818319.1	3.0	25.9	0.5	64.2	Haul road within Concrete batching plant (WKCD)
81	Area	EP17-1	0.000008520	834238.8	818257.8	3.0	19.9	0.5	6.8	Haul road within Concrete batching plant (WKCD)
82	Area	EP17-2	0.000008520	834221.6	818252.0	3.0	23.0	0.5	2.3	Haul road within Concrete batching plant (WKCD)
83	Area	EP21-1	0.000002727	834247.9	818290.7	3.0	20.1	0.5	18.8	Haul road within Concrete batching plant (WKCD)
84	Area	EP21-2	0.000002727	834228.7	818268.1	3.0	10.2	0.5	0.9	Haul road within Concrete batching plant (WKCD)
85	Area	EP22-1	0.000015247	834237.9	818270.1	3.0	19.3	0.5	22.7	Haul road within Concrete batching plant (WKCD)
86	Area	EP22-2	0.000015247	834245.4	818310.3	3.0	22.3	0.5	42.1	Haul road within Concrete batching plant (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2018 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
87	Area	EP23-1	0.000003258	834229.5	818245.5	3.0	7.8	0.5	33.4	Haul road within Concrete batching plant (WKCD)
88	Area	EP23-2	0.000003258	834238.0	818275.9	3.0	15.9	0.5	-5.0	Haul road within Concrete batching plant (WKCD)
89	Area	EP23-3	0.000003258	834220.9	818254.6	3.0	22.9	0.5	-3.5	Haul road within Concrete batching plant (WKCD)
90	Area	I26	0.000239495	834499.5	818164.0	20.0	20.0	0.0	-86.0	Heavy construction (WKCD)
91	Area	I26	0.000002696	834499.5	818164.0	20.0	20.0	0.0	-86.0	Wind erosion (WKCD)
92	Area	I27	0.000239495	834459.9	818100.5	63.9	48.6	0.0	4.0	Heavy construction (WKCD)
93	Area	I27	0.000002696	834459.9	818100.5	63.9	48.6	0.0	4.0	Wind erosion (WKCD)
94	Area	I28	0.000239495	834415.1	818084.4	27.8	22.7	0.0	4.0	Heavy construction (WKCD)
95	Area	I28	0.000002696	834415.1	818084.4	27.8	22.7	0.0	4.0	Wind erosion (WKCD)
96	Area	I29	0.000239495	834426.5	818004.5	144.0	138.3	0.0	4.0	Heavy construction (WKCD)
97	Area	I29	0.000002696	834426.5	818004.5	144.0	138.3	0.0	4.0	Wind erosion (WKCD)



Appendix 3.4 Tier 1 Data Input for Year 2019 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>3</sup> s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	J1	0.000239495	834317.6	818321.3	140.8	22.6	0.0	55.0	Heavy construction (WKCD)
2	Area	J1	0.000002696	834317.6	818321.3	140.8	22.6	0.0	55.0	Wind erosion (WKCD)
3	Area	J2	0.000239495	834147.2	818238.5	251.8	56.0	0.0	0.0	Heavy construction (WKCD)
4	Area	J2	0.000002696	834147.2	818238.5	251.8	56.0	0.0	0.0	Wind erosion (WKCD)
5	Area	J3	0.000239495	834174.9	818110.7	223.5	26.9	0.0	55.6	Heavy construction (WKCD)
6	Area	J3	0.000002696	834174.9	818110.7	223.5	26.9	0.0	55.6	Wind erosion (WKCD)
7	Area	J4	0.000239495	834202.1	818191.1	34.1	19.0	0.0	55.6	Heavy construction (WKCD)
8	Area	J4	0.000002696	834202.1	818191.1	34.1	19.0	0.0	55.6	Wind erosion (WKCD)
9	Area	J5	0.000239495	834179.8	818196.4	24.0	17.7	0.0	-34.4	Heavy construction (WKCD)
10	Area	J5	0.000002696	834179.8	818196.4	24.0	17.7	0.0	-34.4	Wind erosion (WKCD)
11	Area	J6	0.000239495	834162.2	818176.8	68.7	34.7	0.0	-34.4	Heavy construction (WKCD)
12	Area	J6	0.000002696	834162.2	818176.8	68.7	34.7	0.0	-34.4	Wind erosion (WKCD)
13	Area	J7	0.000239495	834123.5	818196.2	23.0	17.0	0.0	55.6	Heavy construction (WKCD)
14	Area	J7	0.000002696	834123.5	818196.2	23.0	17.0	0.0	55.6	Wind erosion (WKCD)
15	Area	J8	0.000239495	834104.4	818201.0	20.0	9.3	0.0	-34.4	Heavy construction (WKCD)
16	Area	J8	0.000002696	834104.4	818201.0	20.0	9.3	0.0	-34.4	Wind erosion (WKCD)
17	Area	J9	0.000239495	834081.2	818068.8	235.0	80.2	0.0	55.6	Heavy construction (WKCD)
18	Area	J9	0.000002696	834081.2	818068.8	235.0	80.2	0.0	55.6	Wind erosion (WKCD)
19	Area	J10	0.000239495	834044.2	818108.4	211.5	25.5	0.0	55.6	Heavy construction (WKCD)
20	Area	J10	0.000002696	834044.2	818108.4	211.5	25.5	0.0	55.6	Wind erosion (WKCD)
21	Area	J11	0.000239495	834030.7	818133.7	168.7	25.5	0.0	55.6	Heavy construction (WKCD)
22	Area	J11	0.000002696	834030.7	818133.7	168.7	25.5	0.0	55.6	Wind erosion (WKCD)
23	Area	J12	0.000239495	834009.4	818154.0	88.0	32.5	0.0	55.6	Heavy construction (WKCD)
24	Area	J12	0.000002696	834009.4	818154.0	88.0	32.5	0.0	55.6	Wind erosion (WKCD)
25	Area	J13	0.000239495	834089.5	817977.2	93.4	37.1	0.0	55.6	Heavy construction (WKCD)
26	Area	J13	0.000002696	834089.5	817977.2	93.4	37.1	0.0	55.6	Wind erosion (WKCD)
27	Area	J14	0.000239495	834043.0	817919.3	130.0	54.7	0.0	-34.4	Heavy construction (WKCD)
28	Area	J14	0.000002696	834043.0	817919.3	130.0	54.7	0.0	-34.4	Wind erosion (WKCD)
29	Area	J15	0.000239495	833999.5	817889.7	44.4	43.3	0.0	-34.4	Heavy construction (WKCD)
30	Area	J15	0.000002696	833999.5	817889.7	44.4	43.3	0.0	-34.4	Wind erosion (WKCD)
31	Area	J16	0.000239495	833986.2	817853.1	32.2	24.9	0.0	55.6	Heavy construction (WKCD)
32	Area	J16	0.000002696	833986.2	817853.1	32.2	24.9	0.0	55.6	Wind erosion (WKCD)
33	Area	J17	0.000239495	834007.4	817827.7	38.7	29.8	0.0	-34.4	Heavy construction (WKCD)
34	Area	J17	0.000002696	834007.4	817827.7	38.7	29.8	0.0	-34.4	Wind erosion (WKCD)
35	Area	J18	0.000239495	834165.0	817990.2	69.0	31.9	0.0	-22.6	Heavy construction (WKCD)
36	Area	J18	0.000002696	834165.0	817990.2	69.0	31.9	0.0	-22.6	Wind erosion (WKCD)
37	Area	J19	0.000239495	834171.3	817949.2	112.0	39.0	0.0	-22.6	Heavy construction (WKCD)
38	Area	J19	0.000002696	834171.3	817949.2	112.0	39.0	0.0	-22.6	Wind erosion (WKCD)
39	Area	J20	0.000239495	834137.8	817924.7	69.0	32.0	0.0	-22.6	Heavy construction (WKCD)
40	Area	J20	0.000002696	834137.8	817924.7	69.0	32.0	0.0	-22.6	Wind erosion (WKCD)
41	Area	J21	0.000239495	834300.6	818044.9	220.9	32.4	0.0	34.9	Heavy construction (WKCD)
42	Area	J21	0.000002696	834300.6	818044.9	220.9	32.4	0.0	34.9	Wind erosion (WKCD)
43	Area	J22	0.000239495	834859.8	818096.1	230.3	16.0	0.0	4.0	Heavy construction (WKCD)
44	Area	J22	0.000002696	834859.8	818096.1	230.3	16.0	0.0	4.0	Wind erosion (WKCD)
45	Area	J23	0.000239495	834783.2	818031.6	102.0	68.5	0.0	-86.0	Heavy construction (WKCD)
46	Area	J23	0.000002696	834783.2	818031.6	102.0	68.5	0.0	-86.0	Wind erosion (WKCD)
47	Area	J24	0.000239495	834896.8	818043.1	95.0	64.6	0.0	-86.0	Heavy construction (WKCD)
48	Area	J24	0.000002696	834896.8	818043.1	95.0	64.6	0.0	-86.0	Wind erosion (WKCD)
49	Area	JB3	0.000239495	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
50	Area	JB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
51	Area	JB4	0.000239495	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
52	Area	JB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
53	Area	JB5	0.000239495	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
54	Area	JB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
55	Point	EP1	0.016666667	834221.9	818227.6	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
56	Point	EP2	0.016666667	834218.1	818219.8	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
57	Point	EP3	0.000229840	834220.7	818226.4	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
58	Point	EP4	0.000229840	834216.7	818218.9	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
59	Point	EP5	0.010833334	834226.1	818219.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
60	Point	EP6	0.010833334	834229.1	818225.8	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
61	Point	EP7	0.010833334	834216.6	818225.7	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
62	Point	EP8	0.010833334	834225.1	818214.1	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
63	Point	EP9	0.001635902	834260.5	818247.3	0.0	0.0	4.0	0.0	Concrete batching plant (XRL)
64	Line	CBH1	0.000163385	834200.5	817975.6	834389.4	818110.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
65	Line	CBH2	0.000163385	834141.2	818000.2	834200.5	817975.6	0.5	3.0	Haul road to concrete batching plant (WKCD)
66	Line	CBH3	0.000163385	834136.2	818048.9	834141.2	818000.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
67	Line	CBH4	0.000163385	834237.6	818196.8	834136.2	818048.9	0.5	3.0	Haul road to concrete batching plant (WKCD)
68	Line	CBX1	0.000061220	834200.2	817978.8	834391.1	818108.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
69	Line	CBX2	0.000061220	834144.0	818002.3	834200.2	817978.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
70	Line	CBX3	0.000061220	834138.7	818047.2	834144.0	818002.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
71	Line	CBX4	0.000061220	834240.1	818195.1	834138.7	818047.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
72	Area	EP14-1	0.000008362	834249.2	818280.9	3.0	19.1	0.5	-1.4	Haul road within Concrete batching plant (WKCD)
73	Area	EP14-2	0.000008362	834235.9	818320.2	3.0	21.0	0.5	58.7	Haul road within Concrete batching plant (WKCD)
74	Area	EP14-3	0.000008362	834229.8	818268.3	3.0	19.3	0.5	0.9	Haul road within Concrete batching plant (WKCD)
75	Area	EP15-1	0.000039954	834238.5	818290.2	3.0	19.3	0.5	-11.2	Haul road within Concrete batching plant (WKCD)
76	Area	EP15-2	0.000039954	834246.6	818278.5	3.0	19.6	0.5	11.3	Haul road within Concrete batching plant (WKCD)
77	Area	EP16-1	0.000017038	834237.6	818279.6	3.0	30.0	0.5	0.8	Haul road within Concrete batching plant (WKCD)
78	Area	EP16-2	0.000017038	834231.5	818319.1	3.0	25.9	0.5	64.2	Haul road within Concrete batching plant (WKCD)
79	Area	EP17-1	0.000008520	834238.8	818257.8	3.0	19.9	0.5	6.8	Haul road within Concrete batching plant (WKCD)
80	Area	EP17-2	0.000008520	834221.6	818252.0	3.0	23.0	0.5	2.3	Haul road within Concrete batching plant (WKCD)
81	Area	EP21-1	0.000002727	834247.9	818290.7	3.0	20.1	0.5	18.8	Haul road within Concrete batching plant (WKCD)
82	Area	EP21-2	0.000002727	834228.7	818268.1	3.0	10.2	0.5	0.9	Haul road within Concrete batching plant (WKCD)
83	Area	EP22-1	0.000015247	834237.9	818270.1	3.0	19.3	0.5	22.7	Haul road within Concrete batching plant (WKCD)
84	Area	EP22-2	0.000015247	834245.4	818310.3	3.0	22.3	0.5	42.1	Haul road within Concrete batching plant (WKCD)
85	Area	EP23-1	0.000003258	834229.5	818245.5	3.0	7.8	0.5	33.4	Haul road within Concrete batching plant (WKCD)
86	Area	EP23-2	0.000003258	834238.0	818275.9	3.0	15.9	0.5	-5.0	Haul road within Concrete batching plant (WKCD)
87	Area	EP23-3	0.000003258	834220.9	818254.6	3.0	22.9	0.5	-3.5	Haul road within Concrete batching plant (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2019 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	J1	0.000019879	834317.6	818321.3	140.8	22.6	0.0	55.0	Heavy construction (WKCD)
2	Area	J1	0.000002696	834317.6	818321.3	140.8	22.6	0.0	55.0	Wind erosion (WKCD)
3	Area	J2	0.000019879	834147.2	818238.5	251.8	56.0	0.0	0.0	Heavy construction (WKCD)
4	Area	J2	0.000002696	834147.2	818238.5	251.8	56.0	0.0	0.0	Wind erosion (WKCD)
5	Area	J3	0.000019879	834174.9	818110.7	223.5	26.9	0.0	55.6	Heavy construction (WKCD)
6	Area	J3	0.000002696	834174.9	818110.7	223.5	26.9	0.0	55.6	Wind erosion (WKCD)
7	Area	J4	0.000019879	834202.1	818191.1	34.1	19.0	0.0	55.6	Heavy construction (WKCD)
8	Area	J4	0.000002696	834202.1	818191.1	34.1	19.0	0.0	55.6	Wind erosion (WKCD)
9	Area	J5	0.000019879	834179.8	818196.4	24.0	17.7	0.0	-34.4	Heavy construction (WKCD)
10	Area	J5	0.000002696	834179.8	818196.4	24.0	17.7	0.0	-34.4	Wind erosion (WKCD)
11	Area	J6	0.000019879	834162.2	818176.8	68.7	34.7	0.0	-34.4	Heavy construction (WKCD)
12	Area	J6	0.000002696	834162.2	818176.8	68.7	34.7	0.0	-34.4	Wind erosion (WKCD)
13	Area	J7	0.000019879	834123.5	818196.2	23.0	17.0	0.0	55.6	Heavy construction (WKCD)
14	Area	J7	0.000002696	834123.5	818196.2	23.0	17.0	0.0	55.6	Wind erosion (WKCD)
15	Area	J8	0.000019879	834104.4	818201.0	20.0	9.3	0.0	-34.4	Heavy construction (WKCD)
16	Area	J8	0.000002696	834104.4	818201.0	20.0	9.3	0.0	-34.4	Wind erosion (WKCD)
17	Area	J9	0.000019879	834081.2	818068.8	235.0	80.2	0.0	55.6	Heavy construction (WKCD)
18	Area	J9	0.000002696	834081.2	818068.8	235.0	80.2	0.0	55.6	Wind erosion (WKCD)
19	Area	J10	0.000019879	834044.2	818108.4	211.5	25.5	0.0	55.6	Heavy construction (WKCD)
20	Area	J10	0.000002696	834044.2	818108.4	211.5	25.5	0.0	55.6	Wind erosion (WKCD)
21	Area	J11	0.000019879	834030.7	818133.7	168.7	25.5	0.0	55.6	Heavy construction (WKCD)
22	Area	J11	0.000002696	834030.7	818133.7	168.7	25.5	0.0	55.6	Wind erosion (WKCD)
23	Area	J12	0.000019879	834009.4	818154.0	88.0	32.5	0.0	55.6	Heavy construction (WKCD)
24	Area	J12	0.000002696	834009.4	818154.0	88.0	32.5	0.0	55.6	Wind erosion (WKCD)
25	Area	J13	0.000019879	834089.5	817977.2	93.4	37.1	0.0	55.6	Heavy construction (WKCD)
26	Area	J13	0.000002696	834089.5	817977.2	93.4	37.1	0.0	55.6	Wind erosion (WKCD)
27	Area	J14	0.000019879	834043.0	817919.3	130.0	54.7	0.0	-34.4	Heavy construction (WKCD)
28	Area	J14	0.000002696	834043.0	817919.3	130.0	54.7	0.0	-34.4	Wind erosion (WKCD)
29	Area	J15	0.000019879	833999.5	817889.7	44.4	43.3	0.0	-34.4	Heavy construction (WKCD)
30	Area	J15	0.000002696	833999.5	817889.7	44.4	43.3	0.0	-34.4	Wind erosion (WKCD)
31	Area	J16	0.000019879	833986.2	817853.1	32.2	24.9	0.0	55.6	Heavy construction (WKCD)
32	Area	J16	0.000002696	833986.2	817853.1	32.2	24.9	0.0	55.6	Wind erosion (WKCD)
33	Area	J17	0.000019879	834007.4	817827.7	38.7	29.8	0.0	-34.4	Heavy construction (WKCD)
34	Area	J17	0.000002696	834007.4	817827.7	38.7	29.8	0.0	-34.4	Wind erosion (WKCD)
35	Area	J18	0.000019879	834165.0	817990.2	69.0	31.9	0.0	-22.6	Heavy construction (WKCD)
36	Area	J18	0.000002696	834165.0	817990.2	69.0	31.9	0.0	-22.6	Wind erosion (WKCD)
37	Area	J19	0.000019879	834171.3	817949.2	112.0	39.0	0.0	-22.6	Heavy construction (WKCD)
38	Area	J19	0.000002696	834171.3	817949.2	112.0	39.0	0.0	-22.6	Wind erosion (WKCD)
39	Area	J20	0.000019879	834137.8	817924.7	69.0	32.0	0.0	-22.6	Heavy construction (WKCD)
40	Area	J20	0.000002696	834137.8	817924.7	69.0	32.0	0.0	-22.6	Wind erosion (WKCD)
41	Area	J21	0.000019879	834300.6	818044.9	220.9	32.4	0.0	34.9	Heavy construction (WKCD)
42	Area	J21	0.000002696	834300.6	818044.9	220.9	32.4	0.0	34.9	Wind erosion (WKCD)
43	Area	J22	0.000019879	834859.8	818096.1	230.3	16.0	0.0	4.0	Heavy construction (WKCD)
44	Area	J22	0.000002696	834859.8	818096.1	230.3	16.0	0.0	4.0	Wind erosion (WKCD)
45	Area	J23	0.000019879	834783.2	818031.6	102.0	68.5	0.0	-86.0	Heavy construction (WKCD)
46	Area	J23	0.000002696	834783.2	818031.6	102.0	68.5	0.0	-86.0	Wind erosion (WKCD)
47	Area	J24	0.000019879	834896.8	818043.1	95.0	64.6	0.0	-86.0	Heavy construction (WKCD)
48	Area	J24	0.000002696	834896.8	818043.1	95.0	64.6	0.0	-86.0	Wind erosion (WKCD)
49	Area	JB3	0.000019879	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
50	Area	JB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
51	Area	JB4	0.000019879	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
52	Area	JB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
53	Area	JB5	0.000019879	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
54	Area	JB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
55	Point	EP1	0.016666667	834221.9	818227.6	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
56	Point	EP2	0.016666667	834218.1	818219.8	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
57	Point	EP3	0.000229840	834220.7	818226.4	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
58	Point	EP4	0.000229840	834216.7	818218.9	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
59	Point	EP5	0.010833334	834226.1	818219.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
60	Point	EP6	0.010833334	834229.1	818225.8	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
61	Point	EP7	0.010833334	834216.6	818225.7	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
62	Point	EP8	0.010833334	834225.1	818214.1	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
63	Point	EP9	0.001635902	834260.5	818247.3	0.0	0.0	4.0	0.0	Concrete batching plant (XRL)
64	Line	CBH1	0.000163385	834200.5	817975.6	834389.4	818110.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
65	Line	CBH2	0.000163385	834141.2	818000.2	834200.5	817975.6	0.5	3.0	Haul road to concrete batching plant (WKCD)
66	Line	CBH3	0.000163385	834136.2	818048.9	834141.2	818000.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
67	Line	CBH4	0.000163385	834237.6	818196.8	834136.2	818048.9	0.5	3.0	Haul road to concrete batching plant (WKCD)
68	Line	CBX1	0.000061220	834200.2	817978.8	834391.1	818108.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
69	Line	CBX2	0.000061220	834144.0	818002.3	834200.2	817978.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
70	Line	CBX3	0.000061220	834138.7	818047.2	834144.0	818002.3	0.5	3.0	Haul road to concrete batching plant (WKCD)
71	Line	CBX4	0.000061220	834240.1	818195.1	834138.7	818047.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
72	Area	EP14-1	0.000008362	834249.2	818280.9	3.0	19.1	0.5	-1.4	Haul road within Concrete batching plant (WKCD)
73	Area	EP14-2	0.000008362	834235.9	818320.2	3.0	21.0	0.5	58.7	Haul road within Concrete batching plant (WKCD)
74	Area	EP14-3	0.000008362	834229.8	818268.3	3.0	19.3	0.5	0.9	Haul road within Concrete batching plant (WKCD)
75	Area	EP15-1	0.000039954	834238.5	818290.2	3.0	19.3	0.5	-11.2	Haul road within Concrete batching plant (WKCD)
76	Area	EP15-2	0.000039954	834246.6	818278.5	3.0	19.6	0.5	11.3	Haul road within Concrete batching plant (WKCD)
77	Area	EP16-1	0.000017038	834237.6	818279.6	3.0	30.0	0.5	0.8	Haul road within Concrete batching plant (WKCD)
78	Area	EP16-2	0.000017038	834231.5	818319.1	3.0	25.9	0.5	64.2	Haul road within Concrete batching plant (WKCD)
79	Area	EP17-1	0.000008520	834238.8	818257.8	3.0	19.9	0.5	6.8	Haul road within Concrete batching plant (WKCD)
80	Area	EP17-2	0.000008520	834221.6	818252.0	3.0	23.0	0.5	2.3	Haul road within Concrete batching plant (WKCD)
81	Area	EP21-1	0.000002727	834247.9	818290.7	3.0	20.1	0.5	18.8	Haul road within Concrete batching plant (WKCD)
82	Area	EP21-2	0.000002727	834228.7	818268.1	3.0	10.2	0.5	0.9	Haul road within Concrete batching plant (WKCD)
83	Area	EP22-1	0.000015247	834237.9	818270.1	3.0	19.3	0.5	22.7	Haul road within Concrete batching plant (WKCD)
84	Area	EP22-2	0.000015247	834245.4	818310.3	3.0	22.3	0.5	42.1	Haul road within Concrete batching plant (WKCD)
85	Area	EP23-1	0.000003258	834229.5	818245.5	3.0	7.8	0.5	33.4	Haul road within Concrete batching plant (WKCD)
86	Area	EP23-2	0.000003258	834238.0	818275.9	3.0	15.9	0.5	-5.0	Haul road within Concrete batching plant (WKCD)
87	Area	EP23-3	0.000003258	834220.9	818254.6	3.0	22.9	0.5	-3.5	Haul road within Concrete batching plant (WKCD)

Appendix 3.4 Tier 1 Data Input for Year 2020 (unmitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>2</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	K1	0.000239495	834174.9	818110.7	223.5	26.9	0.0	55.6	Heavy construction (WKCD)
2	Area	K1	0.00002696	834174.9	818110.7	223.5	26.9	0.0	55.6	Wind erosion (WKCD)
3	Area	K2	0.000239495	834104.4	818201.0	20.0	9.3	0.0	-34.4	Heavy construction (WKCD)
4	Area	K2	0.00002696	834104.4	818201.0	20.0	9.3	0.0	-34.4	Wind erosion (WKCD)
5	Area	K3	0.000239495	834300.6	818044.9	220.9	32.4	0.0	34.9	Heavy construction (WKCD)
6	Area	K3	0.00002696	834300.6	818044.9	220.9	32.4	0.0	34.9	Wind erosion (WKCD)
7	Area	K4	0.000239495	834859.8	818096.1	230.3	16.0	0.0	4.0	Heavy construction (WKCD)
8	Area	K4	0.00002696	834859.8	818096.1	230.3	16.0	0.0	4.0	Wind erosion (WKCD)
9	Area	K5	0.000239495	834783.2	818031.6	102.0	68.5	0.0	-86.0	Heavy construction (WKCD)
10	Area	K5	0.00002696	834783.2	818031.6	102.0	68.5	0.0	-86.0	Wind erosion (WKCD)
11	Area	K6	0.000239495	834896.8	818043.1	95.0	64.6	0.0	-86.0	Heavy construction (WKCD)
12	Area	K6	0.00002696	834896.8	818043.1	95.0	64.6	0.0	-86.0	Wind erosion (WKCD)
13	Area	K7	0.000239495	834044.2	818108.4	211.5	25.5	0.0	55.6	Heavy construction (WKCD)
14	Area	K7	0.00002696	834044.2	818108.4	211.5	25.5	0.0	55.6	Wind erosion (WKCD)
15	Area	K8	0.000239495	834030.7	818133.7	168.7	25.5	0.0	55.6	Heavy construction (WKCD)
16	Area	K8	0.00002696	834030.7	818133.7	168.7	25.5	0.0	55.6	Wind erosion (WKCD)
17	Area	K9	0.000239495	834009.4	818154.0	88.0	32.5	0.0	55.6	Heavy construction (WKCD)
18	Area	K9	0.00002696	834009.4	818154.0	88.0	32.5	0.0	55.6	Wind erosion (WKCD)
19	Area	K10	0.000239495	834081.2	818068.8	235.0	80.2	0.0	55.6	Heavy construction (WKCD)
20	Area	K10	0.00002696	834081.2	818068.8	235.0	80.2	0.0	55.6	Wind erosion (WKCD)
21	Area	KB3	0.000239495	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
22	Area	KB3	0.00002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
23	Area	KB4	0.000239495	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
24	Area	KB4	0.00002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
25	Area	KB5	0.000239495	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
26	Area	KB5	0.00002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
27	Point	EP1	0.01666667	834221.9	818227.6	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
28	Point	EP2	0.01666667	834218.1	818219.8	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
29	Point	EP3	0.000229840	834220.7	818226.4	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
30	Point	EP4	0.000229840	834216.7	818218.9	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
31	Point	EP5	0.010833334	834226.1	818219.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
32	Point	EP6	0.010833334	834229.1	818225.8	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
33	Point	EP7	0.010833334	834216.6	818225.7	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
34	Point	EP8	0.010833334	834225.1	818214.1	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
35	Point	EP9	0.001635902	834260.5	818247.3	0.0	0.0	4.0	0.0	Concrete batching plant (XRL)
36	Line	CBH1	0.000163385	834200.5	817975.6	834389.4	818110.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
37	Line	CBH2	0.000163385	834141.2	818000.2	834200.5	817975.6	0.5	3.0	Haul road to concrete batching plant (WKCD)
38	Line	CBH3	0.000163385	834136.2	818048.9	834141.2	818000.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
39	Line	CBH4	0.000163385	834237.6	818196.8	834136.2	818048.9	0.5	3.0	Haul road to concrete batching plant (WKCD)
40	Line	CBX1	0.000163385	834200.2	817978.8	834391.1	818108.3	5.5	3.0	Haul road to concrete batching plant (WKCD)
41	Line	CBX2	0.000163385	834144.0	818002.3	834200.2	817978.8	6.5	3.0	Haul road to concrete batching plant (WKCD)
42	Line	CBX3	0.000163385	834138.7	818047.2	834144.0	818002.3	7.5	3.0	Haul road to concrete batching plant (WKCD)
43	Line	CBX4	0.000163385	834240.1	818195.1	834138.7	818047.2	8.5	3.0	Haul road to concrete batching plant (WKCD)
44	Area	EP14-1	0.000008362	834249.2	818280.9	3.0	19.1	0.5	-1.4	Haul road within Concrete batching plant (WKCD)
45	Area	EP14-2	0.000008362	834235.9	818320.2	3.0	21.0	0.5	58.7	Haul road within Concrete batching plant (WKCD)
46	Area	EP14-3	0.000008362	834229.8	818268.3	3.0	19.3	0.5	0.9	Haul road within Concrete batching plant (WKCD)
47	Area	EP15-1	0.000039954	834238.5	818290.2	3.0	19.3	0.5	-11.2	Haul road within Concrete batching plant (WKCD)
48	Area	EP15-2	0.000039954	834246.6	818278.5	3.0	19.6	0.5	11.3	Haul road within Concrete batching plant (WKCD)
49	Area	EP16-1	0.000017038	834237.6	818279.6	3.0	30.0	0.5	0.8	Haul road within Concrete batching plant (WKCD)
50	Area	EP16-2	0.000017038	834231.5	818319.1	3.0	25.9	0.5	64.2	Haul road within Concrete batching plant (WKCD)
51	Area	EP17-1	0.000008520	834238.8	818257.8	3.0	19.9	0.5	6.8	Haul road within Concrete batching plant (WKCD)
52	Area	EP17-2	0.000008520	834221.6	818252.0	3.0	23.0	0.5	2.3	Haul road within Concrete batching plant (WKCD)
53	Area	EP21-1	0.000002727	834247.9	818290.7	3.0	20.1	0.5	18.8	Haul road within Concrete batching plant (WKCD)
54	Area	EP21-2	0.000002727	834228.7	818268.1	3.0	10.2	0.5	0.9	Haul road within Concrete batching plant (WKCD)
55	Area	EP22-1	0.000015247	834237.9	818270.1	3.0	19.3	0.5	22.7	Haul road within Concrete batching plant (WKCD)
56	Area	EP22-2	0.000015247	834245.4	818310.3	3.0	22.3	0.5	42.1	Haul road within Concrete batching plant (WKCD)
57	Area	EP23-1	0.000003258	834229.5	818245.5	3.0	7.8	0.5	33.4	Haul road within Concrete batching plant (WKCD)
58	Area	EP23-2	0.000003258	834238.0	818275.9	3.0	15.9	0.5	-5.0	Haul road within Concrete batching plant (WKCD)
59	Area	EP23-3	0.000003258	834220.9	818254.6	3.0	22.9	0.5	-3.5	Haul road within Concrete batching plant (WKCD)
60	Area	K11	0.000239495	835282.1	818053.5	48.0	38.1	0	-86	Heavy construction
61	Area	K11	0.00002696	835282.1	818053.5	48.0	38.1	0	-86	wind erosion
62	Area	K12	0.000239495	835324.6	818043.2	48.2	14.7	0	-81.9	Heavy construction
63	Area	K12	0.00002696	835324.6	818043.2	48.2	14.7	0	-81.9	wind erosion

Appendix 3.4 Tier 1 Data Input for Year 2020 (mitigated)

No. of Source	Type of Source	ID	Emission (g/m <sup>3</sup> /s)	X-coordinate	Y-coordinate	Length (m)	Width (m)	Height (m)	Width / Angle	Description
1	Area	K1	0.000019879	834174.9	818110.7	223.5	26.9	0.0	55.6	Heavy construction (WKCD)
2	Area	K1	0.000002696	834174.9	818110.7	223.5	26.9	0.0	55.6	Wind erosion (WKCD)
3	Area	K2	0.000019879	834104.4	818201.0	20.0	9.3	0.0	-34.4	Heavy construction (WKCD)
4	Area	K2	0.000002696	834104.4	818201.0	20.0	9.3	0.0	-34.4	Wind erosion (WKCD)
5	Area	K3	0.000019879	834300.6	818044.9	220.9	32.4	0.0	34.9	Heavy construction (WKCD)
6	Area	K3	0.000002696	834300.6	818044.9	220.9	32.4	0.0	34.9	Wind erosion (WKCD)
7	Area	K4	0.000019879	834859.8	818096.1	230.3	16.0	0.0	4.0	Heavy construction (WKCD)
8	Area	K4	0.000002696	834859.8	818096.1	230.3	16.0	0.0	4.0	Wind erosion (WKCD)
9	Area	K5	0.000019879	834783.2	818031.6	102.0	68.5	0.0	-86.0	Heavy construction (WKCD)
10	Area	K5	0.000002696	834783.2	818031.6	102.0	68.5	0.0	-86.0	Wind erosion (WKCD)
11	Area	K6	0.000019879	834896.8	818043.1	95.0	64.6	0.0	-86.0	Heavy construction (WKCD)
12	Area	K6	0.000002696	834896.8	818043.1	95.0	64.6	0.0	-86.0	Wind erosion (WKCD)
13	Area	K7	0.000019879	834044.2	818108.4	211.5	25.5	0.0	55.6	Heavy construction (WKCD)
14	Area	K7	0.000002696	834044.2	818108.4	211.5	25.5	0.0	55.6	Wind erosion (WKCD)
15	Area	K8	0.000019879	834030.7	818133.7	168.7	25.5	0.0	55.6	Heavy construction (WKCD)
16	Area	K8	0.000002696	834030.7	818133.7	168.7	25.5	0.0	55.6	Wind erosion (WKCD)
17	Area	K9	0.000019879	834009.4	818154.0	88.0	32.5	0.0	55.6	Heavy construction (WKCD)
18	Area	K9	0.000002696	834009.4	818154.0	88.0	32.5	0.0	55.6	Wind erosion (WKCD)
19	Area	K10	0.000019879	834081.2	818068.8	235.0	80.2	0.0	55.6	Heavy construction (WKCD)
20	Area	K10	0.000002696	834081.2	818068.8	235.0	80.2	0.0	55.6	Wind erosion (WKCD)
21	Area	KB3	0.000019879	834488.0	818525.7	14.4	12.0	0.0	-22.4	Heavy construction (WKCD)
22	Area	KB3	0.000002696	834488.0	818525.7	14.4	12.0	0.0	-22.4	Wind erosion (WKCD)
23	Area	KB4	0.000019879	835360.4	818024.9	33.2	16.2	0.0	5.0	Heavy construction (WKCD)
24	Area	KB4	0.000002696	835360.4	818024.9	33.2	16.2	0.0	5.0	Wind erosion (WKCD)
25	Area	KB5	0.000019879	834573.8	818490.4	32.8	11.9	0.0	-22.4	Heavy construction (WKCD)
26	Area	KB5	0.000002696	834573.8	818490.4	32.8	11.9	0.0	-22.4	Wind erosion (WKCD)
27	Point	EP1	0.016666667	834221.9	818227.6	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
28	Point	EP2	0.016666667	834218.1	818219.8	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
29	Point	EP3	0.000229840	834220.7	818226.4	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
30	Point	EP4	0.000229840	834216.7	818218.9	0.0	0.0	13.0	0.0	Concrete batching plant (XRL)
31	Point	EP5	0.010833334	834226.1	818219.9	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
32	Point	EP6	0.010833334	834229.1	818225.8	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
33	Point	EP7	0.010833334	834216.6	818225.7	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
34	Point	EP8	0.010833334	834225.1	818214.1	0.0	0.0	20.0	0.0	Concrete batching plant (XRL). 20m is height set in the model run, actual height is 21m.
35	Point	EP9	0.001635902	834260.5	818247.3	0.0	0.0	4.0	0.0	Concrete batching plant (XRL)
36	Line	CBH1	0.000163385	834200.5	817975.6	834389.4	818110.8	0.5	3.0	Haul road to concrete batching plant (WKCD)
37	Line	CBH2	0.000163385	834141.2	818000.2	834200.5	817975.6	0.5	3.0	Haul road to concrete batching plant (WKCD)
38	Line	CBH3	0.000163385	834136.2	818048.9	834141.2	818000.2	0.5	3.0	Haul road to concrete batching plant (WKCD)
39	Line	CBH4	0.000163385	834237.6	818196.8	834136.2	818048.9	0.5	3.0	Haul road to concrete batching plant (WKCD)
40	Line	CBX1	0.000163385	834200.2	817978.8	834391.1	818108.3	5.5	3.0	Haul road to concrete batching plant (WKCD)
41	Line	CBX2	0.000163385	834144.0	818002.3	834200.2	817978.8	6.5	3.0	Haul road to concrete batching plant (WKCD)
42	Line	CBX3	0.000163385	834138.7	818047.2	834144.0	818002.3	7.5	3.0	Haul road to concrete batching plant (WKCD)
43	Line	CBX4	0.000163385	834240.1	818195.1	834138.7	818047.2	8.5	3.0	Haul road to concrete batching plant (WKCD)
44	Area	EP14-1	0.000008362	834249.2	818280.9	3.0	19.1	0.5	-1.4	Haul road within Concrete batching plant (WKCD)
45	Area	EP14-2	0.000008362	834235.9	818320.2	3.0	21.0	0.5	58.7	Haul road within Concrete batching plant (WKCD)
46	Area	EP14-3	0.000008362	834229.8	818268.3	3.0	19.3	0.5	0.9	Haul road within Concrete batching plant (WKCD)
47	Area	EP15-1	0.000039954	834238.5	818290.2	3.0	19.3	0.5	-11.2	Haul road within Concrete batching plant (WKCD)
48	Area	EP15-2	0.000039954	834246.6	818278.5	3.0	19.6	0.5	11.3	Haul road within Concrete batching plant (WKCD)
49	Area	EP16-1	0.000017038	834237.6	818279.6	3.0	30.0	0.5	0.8	Haul road within Concrete batching plant (WKCD)
50	Area	EP16-2	0.000017038	834231.5	818319.1	3.0	25.9	0.5	64.2	Haul road within Concrete batching plant (WKCD)
51	Area	EP17-1	0.000008520	834238.8	818257.8	3.0	19.9	0.5	6.8	Haul road within Concrete batching plant (WKCD)
52	Area	EP17-2	0.000008520	834221.6	818252.0	3.0	23.0	0.5	2.3	Haul road within Concrete batching plant (WKCD)
53	Area	EP21-1	0.000002727	834247.9	818290.7	3.0	20.1	0.5	18.8	Haul road within Concrete batching plant (WKCD)
54	Area	EP21-2	0.000002727	834228.7	818268.1	3.0	10.2	0.5	0.9	Haul road within Concrete batching plant (WKCD)
55	Area	EP22-1	0.000015247	834237.9	818270.1	3.0	19.3	0.5	22.7	Haul road within Concrete batching plant (WKCD)
56	Area	EP22-2	0.000015247	834245.4	818310.3	3.0	22.3	0.5	42.1	Haul road within Concrete batching plant (WKCD)
57	Area	EP23-1	0.000003258	834229.5	818245.5	3.0	7.8	0.5	33.4	Haul road within Concrete batching plant (WKCD)
58	Area	EP23-2	0.000003258	834238.0	818275.9	3.0	15.9	0.5	-5.0	Haul road within Concrete batching plant (WKCD)
59	Area	EP23-3	0.000003258	834220.9	818254.6	3.0	22.9	0.5	-3.5	Haul road within Concrete batching plant (WKCD)
60	Area	K11	0.000019879	835282.1	818053.5	48.0	38.1	0	-86.0	Heavy construction
61	Area	K11	0.000002696	835282.1	818053.5	48.0	38.1	0	-86.0	wind erosion
62	Area	K12	0.000019879	835324.6	818043.2	48.2	14.7	0	-81.9	Heavy construction
63	Area	K12	0.000002696	835324.6	818043.2	48.2	14.7	0	-81.9	wind erosion