Appendix 3.02d Construction of CSTW - Dust Emission Source Listing

Dust Emission Source Listing in FDM

Construction of CSTW (Unmitaged Scenario)

									TSP Emission Rate (g/m^2-s)		RSP Emission Rate (g/m^2-s)				FSP Emission Rate (g/m^2-s)			
									Short-term Assessment		Short-term Assessment		Annual Assessment		Short-term Assessment		Annual Assessment	
Source	Type	X1	Y1	X2	Y2	Height (m)	Width / Angle	Working Hour	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours
1	Volume*	840768.11	829367.39	16.00	16.00	16.0	54.7	07:00 - 19:00	1.277E-01	0.000E+00	6.068E-02	0.000E+00	9.674E-03	0.000E+00	1.263E-02	0.000E+00	4.870E-03	0.000E+00
2	Area	840824.38	829509.02	8.95	16.46	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
3	Area	840836.19	829496.94	17.89	16.35	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
4	Area	840844.53	829486.19	13.73	10.54	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
5	Area	840811.65	829492.68	29.18	32.70	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
6	Area	840836.71	829470.21	15.45	30.91	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
7	Area	840848.05	829451.68	12.29	12.50	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
8	Area	840857.24	829441.12	18.13	14.87	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
9	Area	840867.26	829429.67	24.55	14.87	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
10	Area	840788.25	829474.69	29.18	23.91	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
11	Area	840809.42	829454.95	47.07	30.68	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
12	Area	840834.95	829437.27	24.59	25.00	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
13	Area	840845.34	829418.53	24.59	17.86	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
14	Area	840773.75	829444.98	25.00	47.83	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
15	Area	840808.39	829408.26	50.00	50.00	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
16	Area	840737.23	829433.51	50.00	34.56	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
17	Area	840757.73	829396.53	50.00	50.00	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
18	Area	840785.54	829372.13	25.00	19.65	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
19	Area	840765.00	829357.69	24.93	24.98	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
20	Area	840690.46	829414.82	49.93	23.96	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
21	Area	840708.42	829382.50	50.00	50.00	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
22	Area	840730.56	829342.55	50.00	41.34	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
23	Area	840652.57	829380.12	50.00	50.00	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
24	Area	840682.32	829352.23	25.00	27.65	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
25	Area	840697.83	829335.54	14.05	16.59	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
26	Area	840661.71	829348.19	14.97	14.72	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
27	Area	840628.82	829354.85	15.91	12.69	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
28	Area	840601.86	829368.08	50.23	36.58	0.5	29	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
29	Area	840565.56	829349.07	31.69	34.63	0.5	29	07:00 - 19:00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
30	Area	841299.46	829210.96	23.06	35.99	0.5	38	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
31	Area	841286.22	829195.47	16.87	27.88	0.5	38	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
32	Area	841275.12	829179.20	20.66	15.94	0.5	38	07:00 - 19:01	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
33	Area	841316.84	829169.98	50.00	50.00	0.5	38	07:00 - 19:02	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
34	Area	841352.41	829144.97	25.27	33.22	0.5	38	07:00 - 19:03	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
35	Area	841328.80	829126.52	34.66	33.22	0.5	38	07:00 - 19:04	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
36	Area	841369.65	829122.85	23.28	22.86	0.5	38	07:00 - 19:05	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
37	Area	841351.26	829108.48	23.38	22.86	0.5	38	07:00 - 19:06	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
38	Area	841377.09	829102.99	30.82	17.58	0.5	38	07:00 - 19:07	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
39	Area	841391.92	829088.41	17.70	23.65	0.5	38	07:00 - 19:08	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
40	Area	840553.21	828409.55	19.83	25.35	0.5	67	07:00 - 19:09	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
41	Area	840578.54	828406.68	25.28	23.53	0.5	67	07:00 - 19:10	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
42	Area	840544.92	828386.01	29.99	22.20	0.5	67	07:00 - 19:11	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
43	Area	840562.91	828376.32	42.84	18.48	0.5	67	07:00 - 19:12	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
44	Area	840579.95	828363.47	53.17	22.94	0.5	67	07:00 - 19:13	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
45	Area	840603.48	828359.01	28.94	23.85	0.5	67	07:00 - 19:14	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
46	Area	840592.37	828332.83	27.94	23.85	0.5	67	07:00 - 19:15	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
47	Area	840617.83	828336.48	39.79	20.18	0.5	67	07:00 - 19:16	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
48	Area	840635.65	828324.56	31.77	21.93	0.5	67	07:00 - 19:17	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
49	Area	840614.63	828303.12	24.12	40.36	0.5	67	07:00 - 19:18	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
50	Area	840487.43	828306.55	14.82	21.03	0.5	67	07:00 - 19:19	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
51	Area	840511.01	828300.43	21.99	27.15	0.5	67	07:00 - 19:20	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
52	Area	840537.07	828293.18	28.99	26.50	0.5	67	07:00 - 19:21	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
53	Area	840561.70	828287.23	37.29	23.50	0.5	67	07:00 - 19:22	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
54	Area	840596.01	828275.17	41.89	49.08	0.5	67	07:00 - 19:23	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
55	Area	840436.90	828278.87	24.39	10.78	0.5	67	07:00 - 19:24	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
56	Area	840476.68	828296.60	11.91	29.84	0.5	67	07:00 - 19:25	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
57	Area	840462.60	828275.41	38.09	39.22	0.5	67	07:00 - 19:26	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
58	Area	840505.98	828263.47	50.00	50.00	0.5	67	07:00 - 19:27	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
59	Area	840552.01	828243.93	50.00	50.00	0.5	67	07:00 - 19:28	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
60	Area	840589.55	828236.92	33.56	24.59	0.5	67	07:00 - 19:29	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
61	Area	840591.50	828208.94	16.44	50.05	0.5	67	07:00 - 19:30	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
62	Area	840433.11	828253.72	24.89	25.71	0.5	67	07:00 - 19:31	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
63	Area	840426.57	828232.79	18.76	21.38	0.5	67	07:00 - 19:32	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
64	Area	840459.83	828229.97	47.73	42.06	0.5	67	07:00 - 19:33	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
65	Area	840502.21	828211.98	47.73	50.00	0.5	67	07:00 - 19:34	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
66	Area	840548.23	828192.45	47.73	50.00	0.5	67	07:00 - 19:35	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
67	Area	840585.69	828175.67	49.35	32.07	0.5	67	07:00 - 19:36	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
68	Area	840620.76	828158.63	47.30	45.81	0.5	67	07:00 - 19:37	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
69	Area	840651.78	828145.02	42.72	21.94	0.5	67	07:00 - 19:38	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
70	Area	840623.16	829404.06	7.00	20.40	0.5	29	07:00 - 19:39	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
71	Area	840629.63	829422.48	35.98	7.00	0.5	26.78	07:00 - 19:40	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
72	Area	840659.35	829437.76	30.85	7.00	0.5	27.72	07:00 - 19:41	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
73	Area	840684.08	829453.32	29.26	7.00	0.5	37.16	07:00 - 19:42	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
74	Area	840712.16	829473.24	40.00	7.00	0.5	34.02	07:00 - 19:43	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
75	Area	840704.40	829481.08	7.00	16.35	0.5	44.79	07:00 - 19:44	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
76	Area	840692.76	829486.30	17.09	7.00	0.5	4.4	07:00 - 19:45	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
77	Area	840675.00	829477.92	27.80	7.00	0.5	37.71	07:00 - 19:46	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
78	Area	840739.99	829495.59	32.96	7.00	0.5	44.79	07:00 - 19:47	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
79	Area	840763.25	829518.72	32.66	7.00	0.5	44.88	07:00 - 19:48	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
80	Area	840763.27	829541.33	7.00	31.54	0.5	36.48	07:00 - 19:49	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
81	Area	840741.54	829565.51	7.00	35.24	0.5	46.63	07:00 - 19:50	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
82	Area	840723.94	829578.72	7.00	13.04	0.5	76.79	07:00 - 19:51	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
88	Area	840615.94	829604.05	50.00	36.93	0.5	35	07:00 - 19:52	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
90	Area	840663.47	829620.90	47.21	74.64	0.5	35	07:00 - 19:53	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
91	Area	840695.02	829575.85	47.21	35.35	0.5	35	07:00 - 19:54	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
92	Area	840640.87	829568.45	50.00	50.00	0.5	35	07:00 - 19:55	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
94	Area	840590.73	829552.88	50.00	32.00	0.5	35	07:00 - 19:56	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
95	Area	840660.66	829540.19	50.00	19.01	0.5	35	07:00 - 19:57	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
96	Area	840479.77	829511.01	20.19	63.52	0.5	35	07:00 - 19:58	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
97	Area	840555.97	829515.36	50.00	34.33	0.5	35	07:00 - 19:59	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
98	Area	840613.16	829520.85	50.00	46.21	0.5	35	07:00 - 19:60	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
99	Area	840442.68	829502.79	50.00	34.43	0.5	35	07:00 - 19:61	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
100	Area	840575.63	829487.27	50.00	34.25	0.5	35	07:00 - 19:62	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
101	Area	840520.66	829478.60	50.00	36.48	0.5	35	07:00 - 19:63	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
102	Area	840466.87	829468.26	50.00	49.89	0.5	35	07:00 - 19:64	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
103	Area	840411.60	829460.01	50.00	50.00	0.5	35	07:00 - 19:65	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
104	Area	840537.64	829454.35	50.00	22.73	0.5	35	07:00 - 19:66	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
105	Area	840490.99	829433.80	50.00	34.24	0.5	35	07:00 - 19:67	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
106	Area	840374.12	829426.38	50.00	38.68	0.5	35	07:00 - 19:68	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
107	Area	840440.22	829419.15	50.00	49.78	0.5	35	07:00 - 19:69	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
108	Area	840396.03	829395.08	50.00	37.73	0.5	35	07:00 - 19:70	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
109	Area	840344.25	829381.85	50.00	54.03	0.5	35	07:00 - 19:71	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
110	Area	840314.71	829358.67	25.00	34.58	0.5	35	07:00 - 19:72	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
111	Area	840295.40	829342.65	25.00	25.91	0.5	35	07:00 - 19:73	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
112	Area	840278.61	829328.47	18.78	19.83	0.5	35	07:00 - 19:74	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
113	Area	840263.87	829316.87	18.67	16.13	0.5	35	07:00 - 19:75	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08

Remarks:

* virtual volume source, which the area source is divided into 9 layers in the FDM model.

Appendix 3.02d Construction of CSTW - Dust Emission Source Listing

Dust Emission Source Listing in FDM

Construction of CSTW (Unmitaged Scenario)

									TSP Emission Rate (g/m^2-s)					
									Short-term Assessment (Tier 1)		Short-term Assessment (Tier 2a)		Short-term Assessment (Tier 2b)	
Source	Type	X1	Y1	X2	Y2	Height (m)	Width / Angle	Working Hour	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours
1	Volume*	840768.11	829367.39	16.00	16.00	16.0	54.7	07:00 - 19:00	1.506E-02	0.000E+00	3.074E-03	0.000E+00	3.074E-03	0.000E+00
2	Area	840824.38	829509.02	8.95	16.46	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
3	Area	840836.19	829496.94	17.89	16.35	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
4	Area	840844.53	829486.19	13.73	10.54	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
5	Area	840811.65	829492.68	29.18	32.70	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
6	Area	840836.71	829470.21	15.45	30.91	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
7	Area	840848.05	829451.68	12.29	12.50	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	Area	840857.24	829441.12	18.13	14.87	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	Area	840867.26	829429.67	24.55	14.87	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	Area	840788.25	829474.69	29.18	23.91	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
11	Area	840809.42	829454.95	47.07	30.68	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
12	Area	840834.95	829437.27	24.59	25.00	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	Area	840845.34	829418.53	24.59	17.86	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	Area	840773.75	829444.98	25.00	47.83	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
15	Area	840808.39	829408.26	50.00	50.00	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16	Area	840737.23	829433.51	50.00	34.56	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
17	Area	840757.73	829396.53	50.00	50.00	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
18	Area	840785.54	829372.13	25.00	19.65	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
19	Area	840765.00	829357.69	24.93	24.98	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20	Area	840690.46	829414.82	49.93	23.96	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
21	Area	840708.42	829382.50	50.00	50.00	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
22	Area	840730.56	829342.55	50.00	41.34	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
23	Area	840652.57	829380.12	50.00	50.00	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
24	Area	840682.32	829352.23	25.00	27.65	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
25	Area	840697.83	829335.54	14.05	16.59	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
26	Area	840661.71	829348.19	14.97	14.72	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
27	Area	840628.82	829354.85	15.91	12.69	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
28	Area	840601.86	829368.08	50.23	36.58	0.5	29	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
29	Area	840565.56	829349.07	31.69	34.63	0.5	29	07:00 - 19:00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
30	Area	841299.46	829210.96	23.06	35.99	0.5	38	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
31	Area	841286.22	829195.47	16.87	27.88	0.5	38	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
32	Area	841275.12	829179.20	20.66	15.94	0.5	38	07:00 - 19:01	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
33	Area	841316.84	829169.98	50.00	50.00	0.5	38	07:00 - 19:02	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
34	Area	841352.41	829144.97	25.27	33.22	0.5	38	07:00 - 19:03	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
35	Area	841328.80	829126.52	34.66	33.22	0.5	38	07:00 - 19:04	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
36	Area	841369.65	829122.85	23.28	22.86	0.5	38	07:00 - 19:05	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
37	Area	841351.26	829108.48	23.38	22.86	0.5	38	07:00 - 19:06	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
38	Area	841377.09	829102.99	30.82	17.58	0.5	38	07:00 - 19:07	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
39	Area	841391.92	829088.41	17.70	23.65	0.5	38	07:00 - 19:08	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
40	Area	840553.21	828409.55	19.83	25.35	0.5	67	07:00 - 19:09	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
41	Area	840578.54	828406.68	25.28	23.53	0.5	67	07:00 - 19:10	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
42	Area	840544.92	828386.01	29.99	22.20	0.5	67	07:00 - 19:11	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
43	Area	840562.91	828376.32	42.84	18.48	0.5	67	07:00 - 19:12	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
44	Area	840579.95	828363.47	53.17	22.94	0.5	67	07:00 - 19:13	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
45	Area	840603.48	828359.01	28.94	23.85	0.5	67	07:00 - 19:14	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
46	Area	840592.37	828332.83	27.94	23.85	0.5	67	07:00 - 19:15	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
47	Area	840617.83	828336.48	39.79	20.18	0.5	67	07:00 - 19:16	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
48	Area	840635.65	828324.56	31.77	21.93	0.5	67	07:00 - 19:17	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
49	Area	840614.63	828303.12	24.12	40.36	0.5	67	07:00 - 19:18	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
50	Area	840487.43	828306.55	14.82	21.03	0.5	67	07:00 - 19:19	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
51	Area	840511.01	828300.43	21.99	27.15	0.5	67	07:00 - 19:20	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
52	Area	840537.07	828293.18	28.99	26.50	0.5	67	07:00 - 19:21	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
53	Area	840561.70	828287.23	37.29	23.50	0.5	67	07:00 - 19:22	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
54	Area	840596.01	828275.17	41.89	49.08	0.5	67	07:00 - 19:23	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
55	Area	840436.90	828278.87	24.39	10.78	0.5	67	07:00 - 19:24	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
56	Area	840476.68	828296.60	11.91	29.84	0.5	67	07:00 - 19:25	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
57	Area	840462.60	828275.41	38.09	39.22	0.5	67	07:00 - 19:26	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
58	Area	840505.98	828263.47	50.00	50.00	0.5	67	07:00 - 19:27	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
59	Area	840552.01	828243.93	50.00	50.00	0.5	67	07:00 - 19:28	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
60	Area	840589.55	828236.92	33.56	24.59	0.5	67	07:00 - 19:29	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
61	Area	840591.50	828208.94	16.44	50.05	0.5	67	07:00 - 19:30	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
62	Area	840433.11	828253.72	24.89	25.71	0.5	67	07:00 - 19:31	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
63	Area	840426.57	828232.79	18.76	21.38	0.5	67	07:00 - 19:32	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
64	Area	840459.83	828229.97	47.73	42.06	0.5	67	07:00 - 19:33	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
65	Area	840502.21	828211.98	47.73	50.00	0.5	67	07:00 - 19:34	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
66	Area	840548.23	828192.45	47.73	50.00	0.5	67	07:00 - 19:35	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
67	Area	840585.69	828175.67	49.35	32.07	0.5	67	07:00 - 19:36	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
68	Area	840620.76	828158.63	47.30	45.81	0.5	67	07:00 - 19:37	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
69	Area	840651.78	828145.02	42.72	21.94	0.5	67	07:00 - 19:38	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
70	Area	840623.16	829404.06	7.00	20.40	0.5	29	07:00 - 19:39	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
71	Area	840629.63	829422.48	35.98	7.00	0.5	26.78	07:00 - 19:40	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
72	Area	840659.35	829437.76	30.95	7.00	0.5	27.72	07:00 - 19:41	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
73	Area	840684.08	829453.32	29.26	7.00	0.5	37.16	07:00 - 19:42	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
74	Area	840712.16	829473.24	40.00	7.00	0.5	34.02	07:00 - 19:43	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
75	Area	840704.40	829481.08	7.00	16.35	0.5	44.79	07:00 - 19:44	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
76	Area	840692.76	829486.30	17.09	7.00	0.5	4.4	07:00 - 19:45	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
77	Area	840675.00	829477.92	27.80	7.00	0.5	37.71	07:00 - 19:46	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
78	Area	840739.99	829495.59	32.96	7.00	0.5	44.79	07:00 - 19:47	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
79	Area	840763.25	829518.72	32.66	7.00	0.5	44.88	07:00 - 19:48	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
80	Area	840763.27	829541.33	7.00	31.54	0.5	36.48	07:00 - 19:49	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
81	Area	840741.54	829565.51	7.00	35.24	0.5	46.63	07:00 - 19:50	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
82	Area	840723.94	829578.72	7.00	13.04	0.5	76.79	07:00 - 19:51	2.595E-05	2.695E-06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
88	Area	840615.94	829604.05	50.00	36.93	0.5	35	07:00 - 19:52	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
90	Area	840663.47	829620.90	47.21	74.64	0.5	35	07:00 - 19:53	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
91	Area	840695.02	829575.85	47.21	35.35	0.5	35	07:00 - 19:54	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
92	Area	840640.87	829568.45	50.00	50.00	0.5	35	07:00 - 19:55	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
94	Area	840590.73	829552.88	50.00	32.00	0.5	35	07:00 - 19:56	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
95	Area	840660.66	829540.19	50.00	19.01	0.5	35	07:00 - 19:57	2.595E-05	2.695E-06	0.000E+00	0.000E+00	2.595E-05	2.695E-06
96	Area	840479.77	829511.01	20.19	63.52	0.5	35	07:00 - 19:58	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
97	Area	840555.97	829515.36	50.00	34.33	0.5	35	07:00 - 19:59	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
98	Area	840613.16	829520.85	50.00	46.21	0.5	35	07:00 - 19:60	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
99	Area	840442.68	829502.79	50.00	34.43	0.5	35	07:00 - 19:61	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100	Area	840575.63	829487.27	50.00	34.25	0.5	35	07:00 - 19:62	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
101	Area	840520.66	829478.60	50.00	36.48	0.5	35	07:00 - 19:63	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	Area	840466.87	829468.26	50.00	49.89	0.5	35	07:00 - 19:64	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	Area	840411.60	829460.01	50.00	50.00	0.5	35	07:00 - 19:65	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	Area	840537.64	829454.35	50.00	22.73	0.5	35	07:00 - 19:66	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	Area	840490.99	829433.80	50.00	34.24	0.5	35	07:00 - 19:67	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	Area	840374.12	829426.38	50.00	38.68	0.5	35	07:00 - 19:68	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
107	Area	840440.22	829419.15	50.00	49.78	0.5	35	07:00 - 19:69	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
108	Area	840396.03	829395.08	50.00	37.73	0.5	35	07:00 - 19:70	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
109	Area	840344.25	829381.85	50.00	54.03	0.5	35	07:00 - 19:71	2.595E-05	2.695E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
110	Area	840314.71	829358.67	25.00	34.58	0.5	35	07:00 - 19:72	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
111	Area	840295.40	829342.65	25.00	25.91	0.5	35	07:00 - 19:73	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
112	Area	840278.61	829328.47	18.78	19.83	0.5	35	07:00 - 19:74	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00
113	Area	840263.87	829316.87	18.67	16.13	0.5	35	07:00 - 19:75	2.595E-05	2.695E-06	2.595E-05	2.695E-06	0.000E+00	0.000E+00

Remarks:

* virtual volume source, which the area source is divided into 9 layers in the FDM model.

Appendix 3.02d Construction of CSTW - Dust Emission Source Listing

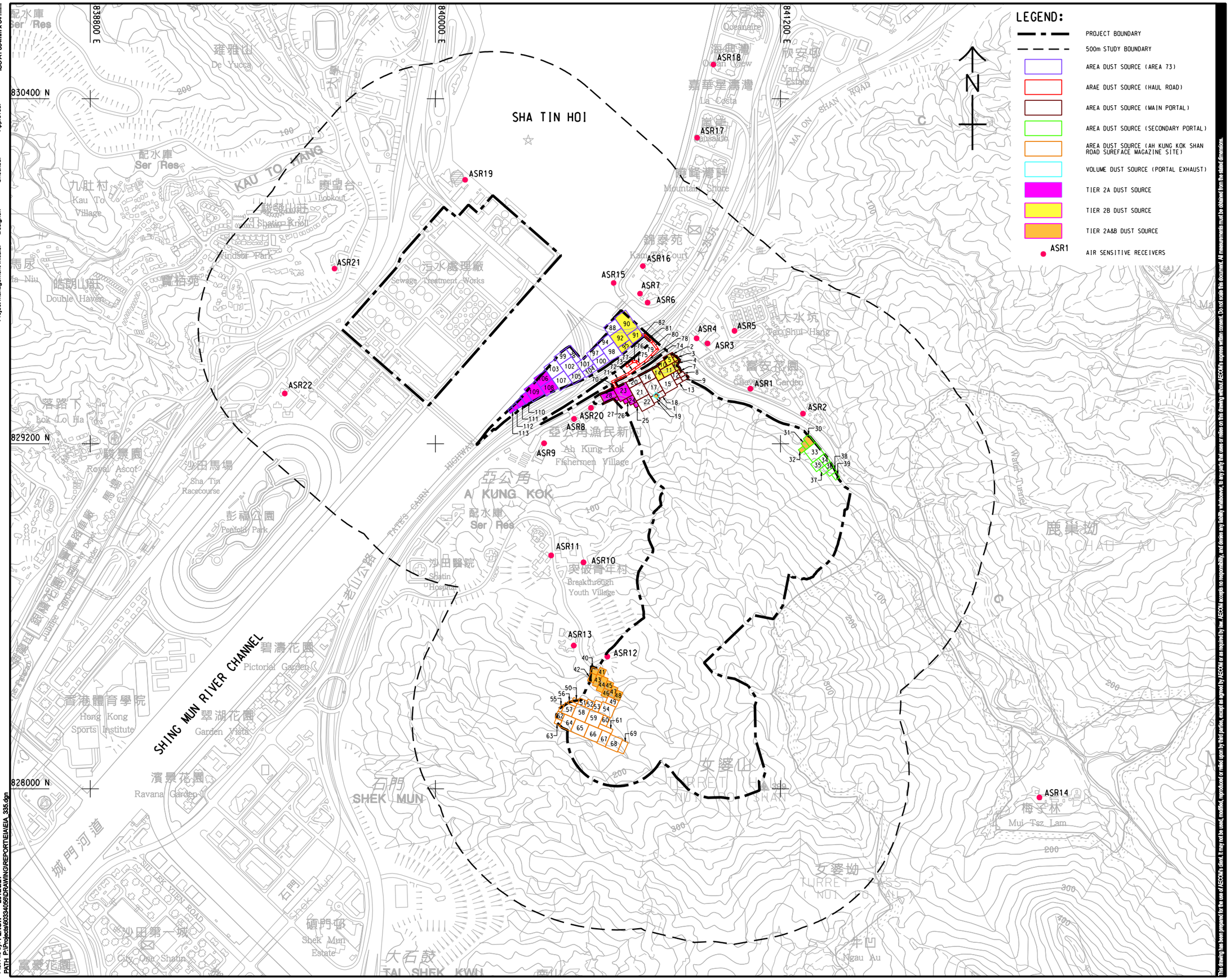
Dust Emission Source Listing in FDM

Construction of CSTW (Unmitaged Scenario)

									RSP Emission Rate (g/m^2-s)						FSP Emission Rate (g/m^2-s)			
									Short-term Assessment		Short-term Assessment (Tier 2a)		Annual Assessment		Short-term Assessment		Annual Assessment	
Source	Type	X1	Y1	X2	Y2	Height (m)	Width / Angle	Working Hour	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours
1	Volume*	840768.11	829367.39	16.00	16.00	16.0	54.7	07:00 - 19:00	7.124E-03	0.000E+00	1.457E-03	0.000E+00	7.485E-04	0.000E+00	1.118E-03	0.000E+00	1.479E-04	0.000E+00
2	Area	840824.38	829509.02	8.95	16.46	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
3	Area	840836.19	829496.94	17.89	16.35	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
4	Area	840844.53	829486.19	13.73	10.54	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
5	Area	840811.65	829492.68	29.18	32.70	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
6	Area	840836.71	829470.21	15.45	30.91	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
7	Area	840848.05	829451.68	12.29	12.50	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
8	Area	840857.24	829441.12	18.13	14.87	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
9	Area	840867.26	829429.67	24.55	14.87	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
10	Area	840788.25	829474.69	29.18	23.91	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
11	Area	840809.42	829454.95	47.07	30.68	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
12	Area	840834.95	829437.27	24.59	25.00	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
13	Area	840845.34	829418.53	24.59	17.86	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
14	Area	840773.75	829444.98	25.00	47.83	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
15	Area	840808.39	829408.26	50.00	50.00	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
16	Area	840737.23	829433.51	50.00	34.56	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
17	Area	840757.73	829396.53	50.00	50.00	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
18	Area	840785.54	829372.13	25.00	19.65	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
19	Area	840765.00	829357.69	24.93	24.98	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
20	Area	840690.46	829414.82	49.93	23.96	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
21	Area	840708.42	829382.50	50.00	50.00	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
22	Area	840730.56	829342.55	50.00	41.34	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
23	Area	840652.57	829380.12	50.00	50.00	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
24	Area	840682.32	829352.23	25.00	27.65	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
25	Area	840697.83	829335.54	14.05	16.59	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
26	Area	840661.71	829348.19	14.97	14.72	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
27	Area	840628.82	829354.85	15.91	12.69	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
28	Area	840601.86	829368.08	50.23	36.58	0.5	29	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
29	Area	840565.56	829349.07	31.69	34.63	0.5	29	07:00 - 19:00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
30	Area	841299.46	829210.96	23.06	35.99	0.5	38	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
31	Area	841286.22	829195.47	16.87	27.88	0.5	38	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
32	Area	841275.12	829179.20	20.66	15.94	0.5	38	07:00 - 19:01	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
33	Area	841316.84	829169.98	50.00	50.00	0.5	38	07:00 - 19:02	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
34	Area	841352.41	829144.97	25.27	33.22	0.5	38	07:00 - 19:03	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
35	Area	841328.80	829126.52	34.66	33.22	0.5	38	07:00 - 19:04	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
36	Area	841369.65	829122.85	23.28	22.86	0.5	38	07:00 - 19:05	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
37	Area	841351.26	829108.48	23.38	22.86	0.5	38	07:00 - 19:06	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
38	Area	841377.09	829102.99	30.82	17.58	0.5	38	07:00 - 19:07	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
39	Area	841391.92	829088.41	17.70	23.65	0.5	38	07:00 - 19:08	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
40	Area	840553.21	828409.55	19.83	25.35	0.5	67	07:00 - 19:09	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
41	Area	840578.54	828406.68	25.28	23.53	0.5	67	07:00 - 19:10	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
42	Area	840544.92	828386.01	29.99	22.20	0.5	67	07:00 - 19:11	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
43	Area	840562.91	828376.32	42.84	18.48	0.5	67	07:00 - 19:12	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
44	Area	840579.95	828363.47	53.17	22.94	0.5	67	07:00 - 19:13	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
45	Area	840603.48	828359.01	28.94	23.85	0.5	67	07:00 - 19:14	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
46	Area	840592.37	828332.83	27.94	23.85	0.5	67	07:00 - 19:15	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
47	Area	840617.83	828336.48	39.79	20.18	0.5	67	07:00 - 19:16	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
48	Area	840635.65	828324.56	31.77	21.93	0.5	67	07:00 - 19:17	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
49	Area	840614.63	828303.12	24.12	40.36	0.5	67	07:00 - 19:18	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
50	Area	840487.43	828306.55	14.82	21.03	0.5	67	07:00 - 19:19	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
51	Area	840511.01	828300.43	21.99	27.15	0.5	67	07:00 - 19:20	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
52	Area	840537.07	828293.18	28.99	26.50	0.5	67	07:00 - 19:21	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
53	Area	840561.70	828287.23	37.29	23.50	0.5	67	07:00 - 19:22	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
54	Area	840596.01	828275.17	41.89	49.08	0.5	67	07:00 - 19:23	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
55	Area	840436.90	828278.87	24.39	10.78	0.5	67	07:00 - 19:24	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
56	Area	840476.68	828296.60	11.91	29.84	0.5	67	07:00 - 19:25	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
57	Area	840462.60	828275.41	38.09	39.22	0.5	67	07:00 - 19:26	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
58	Area	840505.98	828263.47	50.00	50.00	0.5	67	07:00 - 19:27	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
59	Area	840552.01	828243.93	50.00	50.00	0.5	67	07:00 - 19:28	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
60	Area	840589.55	828236.92	33.56	24.59	0.5	67	07:00 - 19:29	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
61	Area	840591.50	828208.94	16.44	50.05	0.5	67	07:00 - 19:30	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
62	Area	840433.11	828253.72	24.89	25.71	0.5	67	07:00 - 19:31	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
63	Area	840426.57	828232.79	18.76	21.38	0.5	67	07:00 - 19:32	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
64	Area	840459.83	828229.97	47.73	42.06	0.5	67	07:00 - 19:33	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
65	Area	840502.21	828211.98	47.73	50.00	0.5	67	07:00 - 19:34	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
66	Area	840548.23	828192.45	47.73	50.00	0.5	67	07:00 - 19:35	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
67	Area	840585.69	828175.67	49.35	32.07	0.5	67	07:00 - 19:36	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
68	Area	840620.76	828158.63	47.30	45.81	0.5	67	07:00 - 19:37	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
69	Area	840651.78	828145.02	42.72	21.94	0.5	67	07:00 - 19:38	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
70	Area	840623.16	829404.06	7.00	20.40	0.5	29	07:00 - 19:39	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
71	Area	840629.63	829422.48	35.98	7.00	0.5	26.78	07:00 - 19:40	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
72	Area	840659.35	829437.76	30.85	7.00	0.5	27.72	07:00 - 19:41	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
73	Area	840684.08	829453.32	29.26	7.00	0.5	37.16	07:00 - 19:42	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
74	Area	840712.16	829473.24	40.00	7.00	0.5	34.02	07:00 - 19:43	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
75	Area	840704.40	829481.08	7.00	16.35	0.5	44.79	07:00 - 19:44	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
76	Area	840692.76	829486.30	17.09	7.00	0.5	4.4	07:00 - 19:45	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
77	Area	840675.00	829477.92	27.80	7.00	0.5	37.71	07:00 - 19:46	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
78	Area	840739.99	829495.59	32.96	7.00	0.5	44.79	07:00 - 19:47	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
79	Area	840763.25	829518.72	32.66	7.00	0.5	44.88	07:00 - 19:48	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
80	Area	840763.27	829541.33	7.00	31.54	0.5	36.48	07:00 - 19:49	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
81	Area	840741.54	829565.51	7.00	35.24	0.5	46.63	07:00 - 19:50	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
82	Area	840723.94	829578.72	7.00	13.04	0.5	76.79	07:00 - 19:51	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
88	Area	840615.94	829604.05	50.00	36.93	0.5	35	07:00 - 19:52	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
90	Area	840663.47	829620.90	47.21	74.64	0.5	35	07:00 - 19:53	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
91	Area	840695.02	829575.85	47.21	35.35	0.5	35	07:00 - 19:54	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
92	Area	840640.87	829568.45	50.00	50.00	0.5	35	07:00 - 19:55	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
94	Area	840590.73	829552.88	50.00	32.00	0.5	35	07:00 - 19:56	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
95	Area	840660.66	829540.19	50.00	19.01	0.5	35	07:00 - 19:57	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
96	Area	840479.77	829511.01	20.19	63.52	0.5	35	07:00 - 19:58	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
97	Area	840555.97	829515.36	50.00	34.33	0.5	35	07:00 - 19:59	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
98	Area	840613.16	829520.85	50.00	46.21	0.5	35	07:00 - 19:60	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
99	Area	840442.68	829502.79	50.00	34.43	0.5	35	07:00 - 19:61	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
100	Area	840575.63	829487.27	50.00	34.25	0.5	35	07:00 - 19:62	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
101	Area	840520.66	829478.60	50.00	36.48	0.5	35	07:00 - 19:63	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
102	Area	840466.87	829468.26	50.00	49.89	0.5	35	07:00 - 19:64	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
103	Area	840411.60	829460.01	50.00	50.00	0.5	35	07:00 - 19:65	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
104	Area	840537.64	829454.35	50.00	22.73	0.5	35	07:00 - 19:66	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
105	Area	840490.99	829433.80	50.00	34.24	0.5	35	07:00 - 19:67	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
106	Area	840374.12	829426.38	50.00	38.68	0.5	35	07:00 - 19:68	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
107	Area	840440.22	829419.15	50.00	49.78	0.5	35	07:00 - 19:69	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
108	Area	840396.03	829395.08	50.00	37.73	0.5	35	07:00 - 19:70	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
109	Area	840344.25	829381.85	50.00	54.03	0.5	35	07:00 - 19:71	1.227E-05	1.275E-06	0.000E+00	0.000E+00	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
110	Area	840314.71	829358.67	25.00	34.58	0.5	35	07:00 - 19:72	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
111	Area	840295.40	829342.65	25.00	25.91	0.5	35	07:00 - 19:73	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
112	Area	840278.61	829328.47	18.78	19.83	0.5	35	07:00 - 19:74	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
113	Area	840263.87	829316.87	18.67	16.13	0.5	35	07:00 - 19:75	1.227E-05	1.275E-06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08

Remarks:

* virtual volume source, which the area source is divided into 9 layers in the FDM model.



ISO A1 594mm x 841mm

Approved:

Checked:

Designer:

Project Management Initials:

Plot File by: PENGW 2016/2/21
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AECOM

PROJECT 項目

RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS: CAVERNS AND SEWAGE TREATMENT WORKS - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT 業主

渠務署 Drainage Services Department

CONSULTANT 工程顧問公司

AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS 分判工程顧問公司

ISSUE/REVISION 修訂

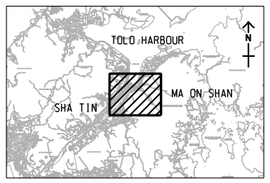
I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核查
A	JAN. 16	EIA	
-	SEP. 15	EIA (DRAFT)	

STATUS 階段

SCALE 比例: A3 1 : 12000

DIMENSION UNIT 尺寸單位: METRES

KEY PLAN 索引圖



PROJECT NO. 項目編號: 60334056

CONTRACT NO. 合約編號: CE 30/2014 (DS)

SHEET TITLE 圖紙名稱

LOCATION OF CONSTRUCTION DUST EMISSIONS SOURCE (CONSTRUCTION OF CSTW)

SHEET NUMBER 圖紙編號

60334056/EIA/3.35A

Appendix 3.02e Demolition of Existing STSTW - Calculation of Dust Emission Source

Demolition of Existing STSTW

Emission rates for Short-term Average Prediction (Tier 1)

Location	Source	Emission Rates	(Unmitigated)	(Mitigated)	Parameters		Remarks
Construction Sites at Existing STSTW	**Construction Activities**	Heavy Construction	**2.075617E-04**	**2.594522E-05**	TSP emission factor (Mg/hectare/month of activity)	2.69	*from AP-42, S13.2.3, 1/95 ed.*
		Area Source			Percentage area actively operating (%)	100	*Full strength (Tier 1 Test)*
	Source ID: 1 - 83	($g/m^2/s$)			% of dust suppression	87.5	*Assuming watering eight times a day, reference to Kai Tak Development EIA Report*
					no. of operation hour (hr)	12	*Assumed typical working hours of work site referenced in AP-42*
					Emission height (m)	0.5	
			9.81767E-05	**1.22721E-05**	RSP emission factor (Mg/hectare/month of activity)	1.27237	
					% fraction of TSP	0.473	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*
			1.49444E-05	**1.86806E-06**	FSP emission factor (Mg/hectare/month of activity)	0.19368	
					% fraction of TSP	0.072	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*
		Wind Erosion		**2.695332E-06**	TSP emission factor (Mg/hectare/yr)	0.85	*AP-42, 5th ed., Table 11.9.4*
		Area Source			Percentage area actively operating (%)	100	*Full strength (Tier 1 Test)*
		($g/m^2/s$)			Emission height (m)	0.5	
				1.27489E-06	RSP emission factor (Mg/hectare/month of activity)	0.40205	
					% fraction of TSP	0.473	*from USEPA AP-42, Appendix B.2 Table 2.2 Category 3*
				1.94064E-07	FSP emission factor (Mg/hectare/month of activity)	0.0612	
					% fraction of TSP	0.072	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*

Emission rates for Short-term Average Prediction (Tier 2)

Location	Source	Emission Rates	(Unmitigated)	(Mitigated)	Parameters		Remarks
Construction Sites at Main Portal	**Construction Activities**	Heavy Construction	**2.075617E-04**	**2.594522E-05**	TSP emission factor (Mg/hectare/month of activity)	2.69	*from AP-42, S13.2.3, 1/95 ed.*
		Area Source			Percentage area actively operating (%)	100	*Full strength (Tier 2 Test)*
	Source ID: 1 - 83	($g/m^2/s$)			% of dust suppression	87.5	*Assuming watering eight times a day, reference to Kai Tak Development EIA Report*
					no. of operation hour (hr)	12	*Assumed typical working hours of work site referenced in AP-42*
					Emission height (m)	0.5	
			9.81767E-05	**1.22721E-05**	RSP emission factor (Mg/hectare/month of activity)	1.27237	
					% fraction of TSP	0.473	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*
			1.49444E-05	**1.86806E-06**	FSP emission factor (Mg/hectare/month of activity)	0.19368	
					% fraction of TSP	0.072	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*
		Wind Erosion		**2.695332E-06**	TSP emission factor (Mg/hectare/yr)	0.85	*AP-42, 5th ed., Table 11.9.4*
		Area Source			Percentage area actively operating (%)	100	*Full strength (Tier 2 Test)*
		($g/m^2/s$)			Emission height (m)	0.5	
				1.27489E-06	RSP emission factor (Mg/hectare/month of activity)	0.40205	
					% fraction of TSP	0.473	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*
				1.94064E-07	FSP emission factor (Mg/hectare/month of activity)	0.0612	
					% fraction of TSP	0.072	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*

Appendix 3.02e Demolition of Existing STSTW - Calculation of Dust Emission Source

Demolition of Existing STSTW

Emission rates for Long-term Average Prediction (Annual)

Location	Source	Emission Rates	(Unmitigated)	(Mitigated)	Parameters		*Remarks*
Construction Sites	**Construction Activities**	Heavy Construction	**2.075617E-05**	**2.594522E-06**	TSP emission factor (Mg/hectare/month of activity)	2.69	*from AP-42, S13.2.3, 1/95 ed.*
at Main Portal		Area Source			Percentage area actively operating (%)	10	*Worst case assumption, refer to Justification of Percentage Active Works Area for Caverns for Relocation of STSTW*
	Source ID: 1 - 83	($g/m^2/s$)			% of dust suppression	87.5	*Assuming watering eight times a day, reference to Kai Tak Development EIA Report*
					no. of operation hour (hr)	12	*Assumed typical working hours of work site referenced in AP-42*
					Emission height (m)	0.5	
			9.81767E-06	**1.22721E-06**	RSP emission factor (Mg/hectare/month of activity)	1.27237	
					% fraction of TSP	0.473	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*
			1.49444E-06	**1.86806E-07**	FSP emission factor (Mg/hectare/month of activity)	0.19368	
					% fraction of TSP	0.072	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*
		Wind Erosion		**2.695332E-07**	TSP emission factor (Mg/hectare/yr)	0.85	*AP-42, 5th ed., Table 11.9.4*
		Area Source			Percentage area actively operating (%)	10	*from enginneer*
		($g/m^2/s$)			Emission height (m)	0.5	
				1.27489E-07	RSP emission factor (Mg/hectare/month of activity)	0.40205	
					% fraction of TSP	0.473	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*
				1.94064E-08	FSP emission factor (Mg/hectare/month of activity)	0.0612	
					% fraction of TSP	0.072	*from USEPA AP-42, 5th ed. 11/06 ed. S13.2.4*

Appendix 3.02e Demolition ofExisting STSTW - Calculations of Construction Dust Emission Rates

Justification of Percentage Active Works Area for Caverns for Relocation of STSTW

Construction Peak Year	=	2027	
Total Area of for Works Area for Caverns	=	280019	m^2

A1450 Demolition of Existing STSTW

Plant	Percentage of Usage (%)	Plan Size				Area in term of Time of Usage (m^2)
		B (m)	L (m)	No. of Item	Area(m^2)	
Excavator	100%	3.2	8	20	512	512
Excavator with rock breakers	100%	3.2	8	40	1024	1024
Dump Truck	100%	2.4	10	40	960	960
Air compressor	100%	-	-	20	-	-
Generator	100%	-	-	20	-	-
Lorry	100%	2.4	10	20	480	480
Mobile Crane	100%	2.6	10	10	260	260
Cutter	100%	-	-	20	-	-
Pneumatic Breaker	100%	-	-	40	-	-
					Total:	**3236**
A1450				***Percentage of Usage Area to Works Area:***		***1.2%***

As a worst case assumption, all construction activities are assumed to be carried out at the same time

Total Percentage of Usage Area to Works Area for CSTS	**1.2%**
Percentage adopted in Dust model for Short-term Assessment	**20%**
Percentage adopted in Dust model for Annual Assessment	**10%**

Appendix 3.02e Demolition of Existing STSTW - Calculation of Dust Emission Source

Dust Emission Source Listing in FDM

Demolition of STSTW (Unmitigated Scenario)

									TSP Emission Rate (g/m^2-s)		RSP Emission Rate (g/m^2-s)				FSP Emission Rate (g/m^2-s)			
									Short-term Assessment (Tier 1)		Short-term Assessment		Annual Assessment		Short-term Assessment		Annual Assessment	
Source	Type	X1	Y1	X2	Y2	Height (m)	Width / Angle	Working Hour	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours
1	Area	840198.54	830056.88	12.06	7.62	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
2	Area	840226.99	830034.92	7.59	35.87	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
3	Area	840208.18	830051.38	7.51	14.12	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
4	Area	840187.05	830043.81	22.75	7.64	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
5	Area	840253.94	830011.26	7.59	35.87	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
6	Area	840172.04	830026.72	22.75	7.64	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
7	Area	840202.68	830017.95	50	50	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
8	Area	840113.25	830014.76	27.21	19.58	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
9	Area	840028.8	830011.58	17.95	15.79	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
10	Area	840157.02	830009.63	22.75	7.64	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
11	Area	840280.89	829987.6	7.59	35.87	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
12	Area	840127.97	830001.84	27.21	19.58	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
13	Area	840042.7	829998.69	25.32	22.1	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
14	Area	840013.15	829993.78	29.43	15.88	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
15	Area	840139.37	829991.86	27.25	10.72	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
16	Area	840061.6	829987.21	17.64	21.46	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
17	Area	840303.15	829967.79	7.2	23.72	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
18	Area	840240.25	829984.96	50	50	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
19	Area	840169.69	829980.38	50	50	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
20	Area	840024.87	829978.38	28.73	22.1	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
21	Area	840099.13	829975.79	50	50	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
22	Area	839993.74	829971.66	29.43	15.88	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
23	Area	840041.58	829959.53	50.38	27.9	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
24	Area	840005.91	829956.79	28.73	22.1	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
25	Area	839974.33	829949.54	29.43	15.88	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
26	Area	840324.9	829948.7	7.2	33.71	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
27	Area	840207.26	829947.39	50	50	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
28	Area	840136.7	829942.8	50	50	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
29	Area	839986.95	829935.2	28.73	22.1	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
30	Area	839954.87	829927.45	29.43	15.88	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
31	Area	840350.23	829926.45	7.2	33.71	0.5	48.72	07:00 - 19:00	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
32	Area	840008.95	829922.36	48.54	27.9	0.5	48.72	07:00 - 19:01	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
33	Area	839967.99	829913.61	28.73	22.1	0.5	48.72	07:00 - 19:02	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
34	Area	840174.27	829909.81	50	50	0.5	48.72	07:00 - 19:03	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
35	Area	839935.46	829905.33	29.43	15.88	0.5	48.72	07:00 - 19:04	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
36	Area	840375.57	829904.21	7.2	33.71	0.5	48.72	07:00 - 19:05	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
37	Area	840263.62	829897.9	150	100	0.5	48.72	07:00 - 19:06	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
38	Area	839949.04	829892.02	28.73	22.1	0.5	48.72	07:00 - 19:07	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
39	Area	839976.92	829885.89	48.54	27.9	0.5	48.72	07:00 - 19:08	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
40	Area	839916.04	829883.22	29.43	15.88	0.5	48.72	07:00 - 19:09	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
41	Area	840400.9	829881.97	7.2	33.71	0.5	48.72	07:00 - 19:10	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
42	Area	839930.08	829870.42	28.73	22.1	0.5	48.72	07:00 - 19:11	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
43	Area	840423.91	829861.77	7.2	27.52	0.5	48.72	07:00 - 19:12	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
44	Area	839896.62	829861.1	29.43	15.88	0.5	48.72	07:00 - 19:13	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
45	Area	839944.9	829849.41	48.54	27.9	0.5	48.72	07:00 - 19:14	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
46	Area	839911.12	829848.83	28.73	22.1	0.5	48.72	07:00 - 19:15	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
47	Area	839882.13	829844.6	14.49	15.88	0.5	48.72	07:00 - 19:16	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
48	Area	840341.79	829829.27	150	108.05	0.5	48.72	07:00 - 19:17	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
49	Area	839871.65	829828.14	24.06	9.91	0.5	48.72	07:00 - 19:18	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
50	Area	839892.16	829827.24	28.73	22.1	0.5	48.72	07:00 - 19:19	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
51	Area	839912.88	829812.94	48.54	27.9	0.5	48.72	07:00 - 19:20	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
52	Area	839873.2	829805.65	28.73	22.1	0.5	48.72	07:00 - 19:21	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
53	Area	839854.25	829784.06	28.73	22.1	0.5	48.72	07:00 - 19:22	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
54	Area	839880.85	829776.47	48.54	27.9	0.5	48.72	07:00 - 19:23	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
55	Area	839835.29	829762.46	28.73	22.1	0.5	48.72	07:00 - 19:24	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
56	Area	839816.33	829740.87	28.73	22.1	0.5	48.72	07:00 - 19:25	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
57	Area	839848.83	829739.99	48.54	27.9	0.5	48.72	07:00 - 19:26	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
58	Area	839797.37	829719.28	28.73	22.1	0.5	48.72	07:00 - 19:27	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
59	Area	839816.8	829703.52	48.54	27.9	0.5	48.72	07:00 - 19:28	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
60	Area	840074.73	829672.06	438.6	301.25	0.5	48.72	07:00 - 19:29	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
61	Area	839778.41	829697.69	28.73	22.1	0.5	48.72	07:00 - 19:30	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
62	Area	839759.46	829676.09	28.73	22.1	0.5	48.72	07:00 - 19:31	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
63	Area	839784.78	829667.04	48.54	27.9	0.5	48.72	07:00 - 19:32	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
64	Area	839743.97	829637.31	50	50	0.5	48.72	07:00 - 19:33	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
65	Area	839781.54	829604.32	50	50	0.5	48.72	07:00 - 19:34	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
66	Area	839710.98	829599.74	50	50	0.5	48.72	07:00 - 19:35	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
67	Area	839819.11	829571.33	50	50	0.5	48.72	07:00 - 19:36	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
68	Area	839748.57	829566.77	50	50	0.5	48.72	07:00 - 19:37	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
69	Area	839856.75	829538.41	50	50	0.5	48.72	07:00 - 19:38	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
70	Area	839786.14	829533.78	50	50	0.5	48.72	07:00 - 19:39	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
71	Area	839894.32	829505.42	50	50	0.5	48.72	07:00 - 19:40	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
72	Area	839823.76	829500.84	50	50	0.5	48.72	07:00 - 19:41	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
73	Area	839931.89	829472.43	50	50	0.5	48.72	07:00 - 19:42	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
74	Area	839861.35	829467.87	50	50	0.5	48.72	07:00 - 19:43	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
75	Area	839969.51	829439.49	50	50	0.5	48.72	07:00 - 19:44	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
76	Area	839898.92	829434.88	50	50	0.5	48.72	07:00 - 19:45	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
77	Area	839999.21	829413.39	49.91	29.09	0.5	48.72	07:00 - 19:46	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
78	Area	840028.74	829408.23	18.7	22.1	0.5	48.72	07:00 - 19:47	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
79	Area	839936.54	829401.94	50	50	0.5	48.72	07:00 - 19:48	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
80	Area	840013.09	829390.41	28.73	22.1	0.5	48.72	07:00 - 19:49	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
81	Area	839966.25	829375.85	49.94	29.09	0.5	48.72	07:00 - 19:50	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
82	Area	839994.13	829368.81	28.73	22.1	0.5	48.72	07:00 - 19:51	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
83	Area	839975.18	829347.22	28.73	22.1	0.5	48.72	07:00 - 19:52	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08
84	Area	839942.65	829787.9	438.68	50.23	0.5	48.73	07:00 - 19:53	2.076E-04	2.695E-06	9.818E-05	1.275E-06	9.818E-06	1.275E-07	1.494E-05	1.941E-07	1.494E-06	1.941E-08

Appendix 3.02e Demolition of Existing STSTW - Calculation of Dust Emission Source

Dust Emission Source Listing in FDM

Demolition of STSTW (Mitigated Scenario)

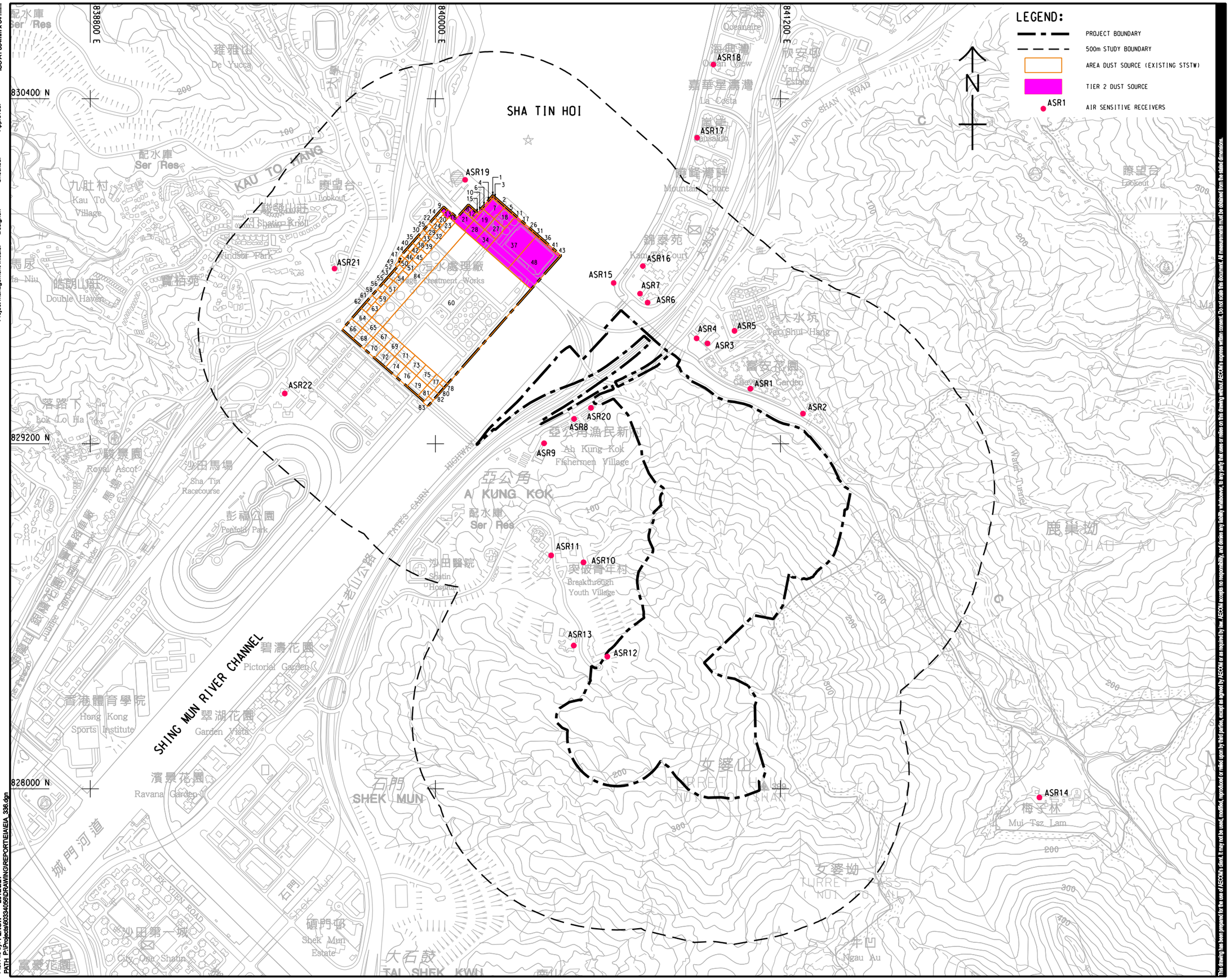
									TSP Emission Rate (g/m^2-s)			
									Short-term Assessment (Tier 1)		Short-term Assessment (Tier 2)	
Source	Type	X1	Y1	X2	Y2	Height (m)	Width / Angle	Working Hour	Working hours	Non-working hours	Working hours	Non-working hours
1	Area	840198.54	830056.88	12.06	7.62	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
2	Area	840226.99	830034.92	7.59	35.87	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
3	Area	840208.18	830051.38	7.51	14.12	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
4	Area	840187.05	830043.81	22.75	7.64	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
5	Area	840253.94	830011.26	7.59	35.87	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
6	Area	840172.04	830026.72	22.75	7.64	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
7	Area	840202.68	830017.95	50	50	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
8	Area	840113.25	830014.76	27.21	19.58	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
9	Area	840028.8	830011.58	17.95	15.79	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
10	Area	840157.02	830009.63	22.75	7.64	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
11	Area	840280.89	829987.6	7.59	35.87	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
12	Area	840127.97	830001.84	27.21	19.58	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
13	Area	840042.7	829998.69	25.32	22.1	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
14	Area	840013.15	829993.78	29.43	15.88	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00
15	Area	840139.37	829991.86	27.25	10.72	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
16	Area	840061.6	829987.21	17.64	21.46	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
17	Area	840303.15	829967.79	7.2	23.72	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
18	Area	840240.25	829984.96	50	50	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
19	Area	840169.69	829980.38	50	50	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
20	Area	840024.87	829978.38	28.73	22.1	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00
21	Area	840099.13	829975.79	50	50	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
22	Area	839993.74	829971.66	29.43	15.88	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00
23	Area	840041.58	829959.53	50.38	27.9	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00
24	Area	840005.91	829956.79	28.73	22.1	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00
25	Area	839974.33	829949.54	29.43	15.88	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00
26	Area	840324.9	829948.7	7.2	33.71	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
27	Area	840207.26	829947.39	50	50	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
28	Area	840136.7	829942.8	50	50	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
29	Area	839986.95	829935.2	28.73	22.1	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00
30	Area	839954.87	829927.45	29.43	15.88	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	0.000E+00	0.000E+00
31	Area	840350.23	829926.45	7.2	33.71	0.5	48.72	07:00 - 19:00	2.595E-05	2.695E-06	2.595E-05	2.695E-06
32	Area	840008.95	829922.36	48.54	27.9	0.5	48.72	07:00 - 19:01	2.595E-05	2.695E-06	0.000E+00	0.000E+00
33	Area	839967.99	829913.61	28.73	22.1	0.5	48.72	07:00 - 19:02	2.595E-05	2.695E-06	0.000E+00	0.000E+00
34	Area	840174.27	829909.81	50	50	0.5	48.72	07:00 - 19:03	2.595E-05	2.695E-06	2.595E-05	2.695E-06
35	Area	839935.46	829905.33	29.43	15.88	0.5	48.72	07:00 - 19:04	2.595E-05	2.695E-06	0.000E+00	0.000E+00
36	Area	840375.57	829904.21	7.2	33.71	0.5	48.72	07:00 - 19:05	2.595E-05	2.695E-06	2.595E-05	2.695E-06
37	Area	840263.62	829897.9	150	100	0.5	48.72	07:00 - 19:06	2.595E-05	2.695E-06	2.595E-05	2.695E-06
38	Area	839949.04	829892.02	28.73	22.1	0.5	48.72	07:00 - 19:07	2.595E-05	2.695E-06	0.000E+00	0.000E+00
39	Area	839976.92	829885.89	48.54	27.9	0.5	48.72	07:00 - 19:08	2.595E-05	2.695E-06	0.000E+00	0.000E+00
40	Area	839916.04	829883.22	29.43	15.88	0.5	48.72	07:00 - 19:09	2.595E-05	2.695E-06	0.000E+00	0.000E+00
41	Area	840400.9	829881.97	7.2	33.71	0.5	48.72	07:00 - 19:10	2.595E-05	2.695E-06	2.595E-05	2.695E-06
42	Area	839930.08	829870.42	28.73	22.1	0.5	48.72	07:00 - 19:11	2.595E-05	2.695E-06	0.000E+00	0.000E+00
43	Area	840423.91	829861.77	7.2	27.52	0.5	48.72	07:00 - 19:12	2.595E-05	2.695E-06	2.595E-05	2.695E-06
44	Area	839896.62	829861.1	29.43	15.88	0.5	48.72	07:00 - 19:13	2.595E-05	2.695E-06	0.000E+00	0.000E+00
45	Area	839944.9	829849.41	48.54	27.9	0.5	48.72	07:00 - 19:14	2.595E-05	2.695E-06	0.000E+00	0.000E+00
46	Area	839911.12	829848.83	28.73	22.1	0.5	48.72	07:00 - 19:15	2.595E-05	2.695E-06	0.000E+00	0.000E+00
47	Area	839882.13	829844.6	14.49	15.88	0.5	48.72	07:00 - 19:16	2.595E-05	2.695E-06	0.000E+00	0.000E+00
48	Area	840341.79	829829.27	150	108.05	0.5	48.72	07:00 - 19:17	2.595E-05	2.695E-06	2.595E-05	2.695E-06
49	Area	839871.65	829828.14	24.06	9.91	0.5	48.72	07:00 - 19:18	2.595E-05	2.695E-06	0.000E+00	0.000E+00
50	Area	839892.16	829827.24	28.73	22.1	0.5	48.72	07:00 - 19:19	2.595E-05	2.695E-06	0.000E+00	0.000E+00
51	Area	839912.88	829812.94	48.54	27.9	0.5	48.72	07:00 - 19:20	2.595E-05	2.695E-06	0.000E+00	0.000E+00
52	Area	839873.2	829805.65	28.73	22.1	0.5	48.72	07:00 - 19:21	2.595E-05	2.695E-06	0.000E+00	0.000E+00
53	Area	839854.25	829784.06	28.73	22.1	0.5	48.72	07:00 - 19:22	2.595E-05	2.695E-06	0.000E+00	0.000E+00
54	Area	839880.85	829776.47	48.54	27.9	0.5	48.72	07:00 - 19:23	2.595E-05	2.695E-06	0.000E+00	0.000E+00
55	Area	839835.29	829762.46	28.73	22.1	0.5	48.72	07:00 - 19:24	2.595E-05	2.695E-06	0.000E+00	0.000E+00
56	Area	839816.33	829740.87	28.73	22.1	0.5	48.72	07:00 - 19:25	2.595E-05	2.695E-06	0.000E+00	0.000E+00
57	Area	839848.83	829739.99	48.54	27.9	0.5	48.72	07:00 - 19:26	2.595E-05	2.695E-06	0.000E+00	0.000E+00
58	Area	839797.37	829719.28	28.73	22.1	0.5	48.72	07:00 - 19:27	2.595E-05	2.695E-06	0.000E+00	0.000E+00
59	Area	839816.8	829703.52	48.54	27.9	0.5	48.72	07:00 - 19:28	2.595E-05	2.695E-06	0.000E+00	0.000E+00
60	Area	840074.73	829672.06	438.6	301.25	0.5	48.72	07:00 - 19:29	2.595E-05	2.695E-06	0.000E+00	0.000E+00
61	Area	839778.41	829697.69	28.73	22.1	0.5	48.72	07:00 - 19:30	2.595E-05	2.695E-06	0.000E+00	0.000E+00
62	Area	839759.46	829676.09	28.73	22.1	0.5	48.72	07:00 - 19:31	2.595E-05	2.695E-06	0.000E+00	0.000E+00
63	Area	839784.78	829667.04	48.54	27.9	0.5	48.72	07:00 - 19:32	2.595E-05	2.695E-06	0.000E+00	0.000E+00
64	Area	839743.97	829637.31	50	50	0.5	48.72	07:00 - 19:33	2.595E-05	2.695E-06	0.000E+00	0.000E+00
65	Area	839781.54	829604.32	50	50	0.5	48.72	07:00 - 19:34	2.595E-05	2.695E-06	0.000E+00	0.000E+00
66	Area	839710.98	829599.74	50	50	0.5	48.72	07:00 - 19:35	2.595E-05	2.695E-06	0.000E+00	0.000E+00
67	Area	839819.11	829571.33	50	50	0.5	48.72	07:00 - 19:36	2.595E-05	2.695E-06	0.000E+00	0.000E+00
68	Area	839748.57	829566.77	50	50	0.5	48.72	07:00 - 19:37	2.595E-05	2.695E-06	0.000E+00	0.000E+00
69	Area	839856.75	829538.41	50	50	0.5	48.72	07:00 - 19:38	2.595E-05	2.695E-06	0.000E+00	0.000E+00
70	Area	839786.14	829533.78	50	50	0.5	48.72	07:00 - 19:39	2.595E-05	2.695E-06	0.000E+00	0.000E+00
71	Area	839894.32	829505.42	50	50	0.5	48.72	07:00 - 19:40	2.595E-05	2.695E-06	0.000E+00	0.000E+00
72	Area	839823.76	829500.84	50	50	0.5	48.72	07:00 - 19:41	2.595E-05	2.695E-06	0.000E+00	0.000E+00
73	Area	839931.89	829472.43	50	50	0.5	48.72	07:00 - 19:42	2.595E-05	2.695E-06	0.000E+00	0.000E+00
74	Area	839861.35	829467.87	50	50	0.5	48.72	07:00 - 19:43	2.595E-05	2.695E-06	0.000E+00	0.000E+00
75	Area	839969.51	829439.49	50	50	0.5	48.72	07:00 - 19:44	2.595E-05	2.695E-06	0.000E+00	0.000E+00
76	Area	839898.92	829434.88	50	50	0.5	48.72	07:00 - 19:45	2.595E-05	2.695E-06	0.000E+00	0.000E+00
77	Area	839999.21	829413.39	49.91	29.09	0.5	48.72	07:00 - 19:46	2.595E-05	2.695E-06	0.000E+00	0.000E+00
78	Area	840028.74	829408.23	18.7	22.1	0.5	48.72	07:00 - 19:47	2.595E-05	2.695E-06	0.000E+00	0.000E+00
79	Area	839936.54	829401.94	50	50	0.5	48.72	07:00 - 19:48	2.595E-05	2.695E-06	0.000E+00	0.000E+00
80	Area	840013.09	829390.41	28.73	22.1	0.5	48.72	07:00 - 19:49	2.595E-05	2.695E-06	0.000E+00	0.000E+00
81	Area	839966.25	829375.85	49.94	29.09	0.5	48.72	07:00 - 19:50	2.595E-05	2.695E-06	0.000E+00	0.000E+00
82	Area	839994.13	829368.81	28.73	22.1	0.5	48.72	07:00 - 19:51	2.595E-05	2.695E-06	0.000E+00	0.000E+00
83	Area	839975.18	829347.22	28.73	22.1	0.5	48.72	07:00 - 19:52	2.595E-05	2.695E-06	0.000E+00	0.000E+00
84	Area	839942.65	829787.9	438.68	50.23	0.5	48.73	07:00 - 19:53	2.595E-05	2.695E-06	0.000E+00	0.000E+00

Appendix 3.02e Demolition of Existing STSTW - Calculation of Dust Emission Source

Dust Emission Source Listing in FDM

Demolition of STSTW (Mitigated Scenario)

									RSP Emission Rate (g/m^2-s)				FSP Emission Rate (g/m^2-s)			
									Short-term Assessment		Annual Assessment		Short-term Assessment		Annual Assessment	
Source	Type	X1	Y1	X2	Y2	Height (m)	Width / Angle	Working Hour	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours	Working hours	Non-working hours
1	Area	840198.54	830056.88	12.06	7.62	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
2	Area	840226.99	830034.92	7.59	35.87	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
3	Area	840208.18	830051.38	7.51	14.12	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
4	Area	840187.05	830043.81	22.75	7.64	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
5	Area	840253.94	830011.26	7.59	35.87	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
6	Area	840172.04	830026.72	22.75	7.64	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
7	Area	840202.68	830017.95	50	50	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
8	Area	840113.25	830014.76	27.21	19.58	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
9	Area	840028.8	830011.58	17.95	15.79	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
10	Area	840157.02	830009.63	22.75	7.64	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
11	Area	840280.89	829987.6	7.59	35.87	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
12	Area	840127.97	830001.84	27.21	19.58	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
13	Area	840042.7	829998.69	25.32	22.1	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
14	Area	840013.15	829993.78	29.43	15.88	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
15	Area	840139.37	829991.86	27.25	10.72	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
16	Area	840061.6	829987.21	17.64	21.46	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
17	Area	840303.15	829967.79	7.2	23.72	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
18	Area	840240.25	829984.96	50	50	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
19	Area	840169.69	829980.38	50	50	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
20	Area	840024.87	829978.38	28.73	22.1	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
21	Area	840099.13	829975.79	50	50	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
22	Area	839993.74	829971.66	29.43	15.88	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
23	Area	840041.58	829959.53	50.38	27.9	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
24	Area	840005.91	829956.79	28.73	22.1	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
25	Area	839974.33	829949.54	29.43	15.88	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
26	Area	840324.9	829948.7	7.2	33.71	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
27	Area	840207.26	829947.39	50	50	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
28	Area	840136.7	829942.8	50	50	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
29	Area	839986.95	829935.2	28.73	22.1	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
30	Area	839954.87	829927.45	29.43	15.88	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
31	Area	840350.23	829926.45	7.2	33.71	0.5	48.72	07:00 - 19:00	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
32	Area	840008.95	829922.36	48.54	27.9	0.5	48.72	07:00 - 19:01	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
33	Area	839967.99	829913.61	28.73	22.1	0.5	48.72	07:00 - 19:02	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
34	Area	840174.27	829909.81	50	50	0.5	48.72	07:00 - 19:03	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
35	Area	839935.46	829905.33	29.43	15.88	0.5	48.72	07:00 - 19:04	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
36	Area	840375.57	829904.21	7.2	33.71	0.5	48.72	07:00 - 19:05	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
37	Area	840263.62	829897.9	150	100	0.5	48.72	07:00 - 19:06	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
38	Area	839949.04	829892.02	28.73	22.1	0.5	48.72	07:00 - 19:07	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
39	Area	839976.92	829885.89	48.54	27.9	0.5	48.72	07:00 - 19:08	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
40	Area	839916.04	829883.22	29.43	15.88	0.5	48.72	07:00 - 19:09	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
41	Area	840400.9	829881.97	7.2	33.71	0.5	48.72	07:00 - 19:10	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
42	Area	839930.08	829870.42	28.73	22.1	0.5	48.72	07:00 - 19:11	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
43	Area	840423.91	829861.77	7.2	27.52	0.5	48.72	07:00 - 19:12	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
44	Area	839896.62	829861.1	29.43	15.88	0.5	48.72	07:00 - 19:13	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
45	Area	839944.9	829849.41	48.54	27.9	0.5	48.72	07:00 - 19:14	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
46	Area	839911.12	829848.83	28.73	22.1	0.5	48.72	07:00 - 19:15	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
47	Area	839882.13	829844.6	14.49	15.88	0.5	48.72	07:00 - 19:16	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
48	Area	840341.79	829829.27	150	108.05	0.5	48.72	07:00 - 19:17	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
49	Area	839871.65	829828.14	24.06	9.91	0.5	48.72	07:00 - 19:18	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
50	Area	839892.16	829827.24	28.73	22.1	0.5	48.72	07:00 - 19:19	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
51	Area	839912.88	829812.94	48.54	27.9	0.5	48.72	07:00 - 19:20	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
52	Area	839873.2	829805.65	28.73	22.1	0.5	48.72	07:00 - 19:21	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
53	Area	839854.25	829784.06	28.73	22.1	0.5	48.72	07:00 - 19:22	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
54	Area	839880.85	829776.47	48.54	27.9	0.5	48.72	07:00 - 19:23	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
55	Area	839835.29	829762.46	28.73	22.1	0.5	48.72	07:00 - 19:24	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
56	Area	839816.33	829740.87	28.73	22.1	0.5	48.72	07:00 - 19:25	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
57	Area	839848.83	829739.99	48.54	27.9	0.5	48.72	07:00 - 19:26	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
58	Area	839797.37	829719.28	28.73	22.1	0.5	48.72	07:00 - 19:27	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
59	Area	839816.8	829703.52	48.54	27.9	0.5	48.72	07:00 - 19:28	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
60	Area	840074.73	829672.06	438.6	301.25	0.5	48.72	07:00 - 19:29	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
61	Area	839778.41	829697.69	28.73	22.1	0.5	48.72	07:00 - 19:30	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
62	Area	839759.46	829676.09	28.73	22.1	0.5	48.72	07:00 - 19:31	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
63	Area	839784.78	829667.04	48.54	27.9	0.5	48.72	07:00 - 19:32	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
64	Area	839743.97	829637.31	50	50	0.5	48.72	07:00 - 19:33	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
65	Area	839781.54	829604.32	50	50	0.5	48.72	07:00 - 19:34	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
66	Area	839710.98	829599.74	50	50	0.5	48.72	07:00 - 19:35	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
67	Area	839819.11	829571.33	50	50	0.5	48.72	07:00 - 19:36	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
68	Area	839748.57	829566.77	50	50	0.5	48.72	07:00 - 19:37	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
69	Area	839856.75	829538.41	50	50	0.5	48.72	07:00 - 19:38	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
70	Area	839786.14	829533.78	50	50	0.5	48.72	07:00 - 19:39	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
71	Area	839894.32	829505.42	50	50	0.5	48.72	07:00 - 19:40	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
72	Area	839823.76	829500.84	50	50	0.5	48.72	07:00 - 19:41	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
73	Area	839931.89	829472.43	50	50	0.5	48.72	07:00 - 19:42	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
74	Area	839861.35	829467.87	50	50	0.5	48.72	07:00 - 19:43	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
75	Area	839969.51	829439.49	50	50	0.5	48.72	07:00 - 19:44	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
76	Area	839898.92	829434.88	50	50	0.5	48.72	07:00 - 19:45	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
77	Area	839999.21	829413.39	49.91	29.09	0.5	48.72	07:00 - 19:46	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
78	Area	840028.74	829408.23	18.7	22.1	0.5	48.72	07:00 - 19:47	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
79	Area	839936.54	829401.94	50	50	0.5	48.72	07:00 - 19:48	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
80	Area	840013.09	829390.41	28.73	22.1	0.5	48.72	07:00 - 19:49	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
81	Area	839966.25	829375.85	49.94	29.09	0.5	48.72	07:00 - 19:50	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
82	Area	839994.13	829368.81	28.73	22.1	0.5	48.72	07:00 - 19:51	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
83	Area	839975.18	829347.22	28.73	22.1	0.5	48.72	07:00 - 19:52	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08
84	Area	839942.65	829787.9	438.68	50.23	0.5	48.73	07:00 - 19:53	1.227E-05	1.275E-06	1.227E-06	1.275E-07	1.868E-06	1.941E-07	1.868E-07	1.941E-08



ISO A1 594mm x 841mm

Approved:

Checked:

Designer:

Project Management Initials:

Plot File by: PENGW 2016/2/21
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PROJECT 項目

RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS: CAVERNS AND SEWAGE TREATMENT WORKS - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT 業主

渠務署 Drainage Services Department

CONSULTANT 工程顧問公司

AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS 分判工程顧問公司

ISSUE/REVISION 修訂

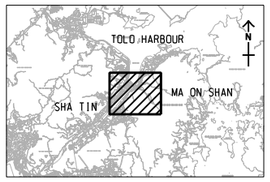
I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核查
A	JAN. 16	EIA	
-	SEP. 15	EIA (DRAFT)	

STATUS 階段

SCALE 比例: A3 1 : 12000

DIMENSION UNIT 尺寸單位: METRES

KEY PLAN 索引圖



PROJECT NO. 項目編號: 60334056

CONTRACT NO. 合約編號: CE 30/2014 (DS)

SHEET TITLE 圖紙名稱

LOCATION OF CONSTRUCTION DUST EMISSION SOURCE (DEMOLITION OF EXISTING STSTW)

SHEET NUMBER 圖紙編號

60334056/EIA/3.36A