Location

NE Block 1 (R1)

NE Block 2 (V3)

MS Block 1 (R1)

MS Block 2 (V3)

Note 1
Note 2
Note 3

Sampling Period

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Blank cells represent outliers by Deleted Studentized Residual (DSR) analysis or visual inspection.
The EPA documentation for estimating flux by the AD method cites two values ("0.30483" and "0.33") for the exponent ir Aerodynamic Method.

Date/time	Duration (hr)	Post Application Time (hr)	Air Concentration at 0.15 m height	Air Concentration at 0.33 m height	Air Concentration at 0.55 m height	Air Concentration at 0.9 m height
					µg/m3	
07/19/2018, 16:45 - 19:00	3.0	3.0	0.0258	0.0212	0.0219	0.0183
07/19/2018, 19:00 - 8:00	13.0	16.0	[1]-	0.0012	0.0008	-
07/20/2018, 08:00 - 19:00	13.0	29.0	0.0041	0.0037	0.0034	0.0030
07/20/2018, 19:00 - 08:00	13.0	42.0	0.0011	0.0007	0.0006	0.0005
07/21/2018, 08:00 - 19:00	13.0	55.0	0.0000	-	0.0000	0.0000
07/21/2018, 19:00 - 08:00	13.0	68.0	0.0000	0.0000	0.0000	-
07/19/2018, 16:45 - 19:00	3.0	3.0	0.0260	0.0248	0.0212	0.0192
07/19/2018, 19:00 - 8:00	13.0	16.0	-	-	0.0005	0.0000
07/20/2018, 08:00 - 19:00	13.0	29.0	-	0.0048	0.0032	0.0034
07/20/2018, 19:00 - 08:00	13.0	42.0	0.0018	0.0015	0.0007	0.0006
07/21/2018, 08:00 - 19:00	13.0	55.0	-	-	-	0.0000
07/21/2018, 19:00 - 08:00	13.0	68.0	0.0012	-	-	0.0007
06/27/2018, 18:30 - 21:00	4.0	4.0	0.0363	0.0323	0.0248	0.0224
06/28/2018, 21:00 - 08:30	11.5	15.5	0.0029	0.0025	-	0.0017
06/28/2018, 08:30 - 19:30	11.0	26.5	0.0166	0.0153	0.0115	-
06/29/2018, 19:30 - 07:30	12.0	38.5	0.0026	0.0026	0.0016	-
06/29/2018, 07:30 - 19:00	11.5	50.0	-	-	0.0196	0.0151
06/30/2018, 19:00 - 08:00	13.0	63.0	0.0026	0.0017	0.0012	0.0000
06/27/2018, 18:30 - 21:00	4.0	4.0	0.0463	0.0436	0.0281	0.0262
06/28/2018, 21:00 - 08:30	11.5	15.5	0.0027	0.0027	0.0018	0.0014
06/28/2018, 08:30 - 19:30	11.0	26.5	0.0115	-	0.0077	-
06/29/2018, 19:30 - 07:30	12.0	38.5	0.0019	0.0017	0.0012	0.0006
06/29/2018, 07:30 - 19:00	11.5	50.0	0.0015	-	0.0011	0.0010
06/30/2018, 19:00 - 08:00	13.0	63.0	0.0024	0.0018	0.0011	0.0008

ı the expression for the Fm stability correction term. The present work retains the "0.30483" value.

Air Concentration at 1.5 m height	Wind Speed at 0.15 m Height	Wind Speed at 0.33 m Height	Wind Speed at 0.55 m Height	Wind Speed at 0.9 m Height	Wind Speed at 1.5 m Height	Air Temperature at 0.15 m Height	Air Temperature at 0.33 m Height
			m/s				
0.0124	0.30	0.66	0.73	0.98	1.29		32.8
-	0.29	0.42	0.52	0.67	0.91	20.9	21.0
-	1.02	1.30	1.74	2.02	2.64	28.8	28.5
0.0000	0.67	0.80	1.10	1.33	1.76	21.9	22.0
0.0000	1.28	2.40	2.94	3.59	4.41	26.9	26.9
-	0.80	1.20	1.50	1.74	2.31	21.6	21.8
0.0094	0.44	0.55	0.94	1.07	1.25	32.9	-
0.0000	0.29	0.43	0.67	0.82	1.01	21.4	21.3
0.0023	1.01	1.47	2.13	2.46	2.92	28.8	28.4
0.0000	0.71	0.93	1.37	1.60	1.89	-	22.0
0.0000	1.12	2.09	3.19	3.85	4.52	27.0	-
0.0004	0.81	1.24	1.83	2.14	2.52	22.0	22.0
0.0148	0.49	0.71	-	1.11	1.38	29.4	29.6
0.0011	0.68	0.84	-	1.37	1.58	25.5	25.8
0.0046	1.63	2.26	-	3.29	3.98	-	32.2
-	0.74	1.04	-	1.66	2.03	22.4	22.6
0.0136	0.94	1.35	-	2.09	2.49	30.4	30.1
-	0.24	0.37	-	0.67	0.86	24.8	25.2
0.0154	0.68	0.74	0.96	1.08	1.24	-	29.8
0.0011	0.76	0.90	1.20	1.32	1.53	-	25.8
0.0030	2.92	3.41	3.85	4.32	4.58	33.6	33.2
0.0006	1.26	1.48	1.92	2.03	2.47	22.6	-
-	1.96	2.24	2.54	2.91	3.18	31.9	31.2
0.0003	0.34	0.44	0.52	0.65	0.71	25.3	-

Air Temperature at 0.55 m Height	Air Temperature at 0.9 m Height	Air Temperature at 1.5 m Height	Air Concentration Slope	Air Concentration Intercept	Wind Speed Slope	Wind Speed Intercept	Air Temperature Slope
C							
	32.5	32.4	-0.0121	0.0223	0.9212	0.6114	-0.4733
21.2	21.4	21.8	-0.0018	0.0011	0.6057	0.4436	0.8478
28.3	28.2	28.1	-0.0016	0.0036	1.5851	1.4363	-0.6256
22.1	22.1	22.3	-0.0010	0.0008	1.0948	0.9174	0.3854
26.7	26.6	26.6	0.0000	0.0000	2.9349	2.3539	-0.3057
21.9	22.0	22.3	0.0000	0.0000	1.4281	1.2309	0.5605
32.7	32.4	-	-0.0124	0.0194	0.6696	0.8926	-0.5666
21.5	21.7	21.9	-0.0007	0.0003	0.5730	0.6788	0.4803
28.4	28.2	-	-0.0022	0.0036	1.4906	2.0896	-0.5994
22.1	22.2	22.3	-0.0014	0.0008	0.9457	1.3576	0.3102
26.7	26.6	-	0.0000	0.0000	2.6550	3.1196	-0.3642
22.1	22.2	22.4	-0.0006	0.0008	1.3411	1.7904	0.3122
29.7	29.8	30.0	-0.0205	0.0297	0.8482	0.7678	0.4987
26.0	26.0	26.3	-0.0017	0.0024	0.9049	0.9573	0.6885
32.1	32.1	-	-0.0119	0.0134	2.2308	2.3851	-0.3004
22.7	22.7	22.9	-0.0024	0.0020	1.2480	1.1390	0.4619
30.0	29.9	29.8	-0.0097	0.0201	1.4926	1.4443	-0.5535
25.4	25.6	25.9	-0.0036	0.0015	0.6004	0.4271	1.0150
29.9	30.0	30.1	-0.0220	0.0277	0.4031	1.0163	0.2972
25.9	26.0	26.1	-0.0012	0.0017	0.5434	1.2458	0.2748
33.1	33.1	32.8	-0.0058	0.0063	1.1720	4.0381	-0.5332
22.7	22.8	22.8	-0.0010	0.0010	0.8289	1.9886	0.1318
31.0	30.9	30.6	-0.0005	0.0010	0.8624	2.7312	-0.7819
25.3	25.4	25.5	-0.0014	0.0010	0.2658	0.5802	0.1789

Air Temperature Intercept	Regressed Air Concentration at 0.15 m	Regressed Air Concentration at 1.5 m	Regressed Wind Speed at 0.15 m	Regressed Wind Speed at 1.5 m	Regressed Air Temperature at 0.15 m	Regressed Air Temperature at 1.5 m	Richardson Number (Ri)
	µg/m3		m/s		C		
32.7389	0.0256	0.0133	0.3610	1.2984	32.8675	32.3859	-0.0237
21.0874	0.0016	0.0000	0.2789	0.8953	20.8569	21.7197	0.1019
28.5176	0.0040	0.0024	1.0055	2.6186	28.6877	28.0510	-0.0107
22.0026	0.0010	0.0000	0.6198	1.7339	21.8979	22.2900	0.0141
26.7906	0.0000	0.0000	1.5562	4.5428	26.8737	26.5626	-0.0015
21.8211	0.0000	0.0000	0.8428	2.2961	21.6688	22.2392	0.0121
32.5398	0.0278	0.0117	0.4391	1.3060	32.9236	32.1900	-0.0422
21.6124	0.0008	-0.0001	0.2907	1.0326	21.2871	21.9089	0.0506
28.3339	0.0051	0.0023	1.0800	3.0099	28.7398	27.9638	-0.0091
22.1210	0.0018	0.0000	0.7171	1.9415	21.9109	22.3125	0.0120
26.6933	0.0000	0.0000	1.3214	4.7589	26.9400	26.4684	-0.0018
22.1489	0.0012	0.0004	0.8821	2.6185	21.9375	22.3417	0.0060
29.6250	0.0359	0.0146	0.5085	1.3901	29.4725	29.9909	0.0291
25.7955	0.0029	0.0011	0.6806	1.6212	25.5851	26.3007	0.0357
32.2051	0.0170	0.0047	1.7031	4.0218	32.2969	31.9847	-0.0025
22.5928	0.0028	0.0003	0.7574	2.0547	22.4515	22.9317	0.0127
30.1577	0.0231	0.0130	0.9880	2.5395	30.3269	29.7516	-0.0104
25.2154	0.0026	-0.0011	0.2436	0.8676	24.9051	25.9601	0.1198
29.9279	0.0476	0.0154	0.6533	1.2425	29.6603	30.0946	0.0545
25.9281	0.0028	0.0010	0.7565	1.5506	25.6807	26.0823	0.0281
33.0670	0.0116	0.0031	2.9829	4.6957	33.5471	32.7678	-0.0115
22.7455	0.0019	0.0005	1.2422	2.4537	22.6269	22.8195	0.0059
30.9510	0.0015	0.0007	1.9546	3.2151	31.6550	30.5123	-0.0312
25.4202	0.0023	0.0002	0.3408	0.7293	25.2591	25.5206	0.0766

Atmospheric Stability (Φm)	[2]Atmospheric Stability (Φp)	[3]AD Flux	AD Cumulative Loss of Applied
		ηg/m2 s	%
0.9067	0.7484	2.89	0.06
1.3428	1.6099	0.08	0.06
0.9529	0.8131	0.57	0.11
1.0641	1.0354	0.17	0.12
0.9926	0.8733	0.00	0.12
1.0554	1.0156	0.00	0.12
0.8546	0.6807	2.52	0.05
1.1982	1.3208	0.04	0.05
0.9593	0.8225	0.73	0.11
1.0549	1.0146	0.22	0.13
0.9916	0.8717	0.00	0.13
1.0283	0.9532	0.14	0.14
1.1235	1.1651	2.35	0.06
1.1477	1.2163	0.19	0.07
0.9881	0.8662	5.48	0.46
1.0582	1.0220	0.48	0.50
0.9541	0.8149	3.29	0.74
1.3859	1.6947	0.16	0.76
1.2107	1.3463	0.96	0.02
1.1199	1.1574	0.09	0.03
0.9500	0.8089	1.57	0.14
1.0277	0.9517	0.15	0.15
0.8838	0.7180	0.13	0.16
1.2763	1.4782	0.04	0.17