

**Table 9 (Corrected)¹. Maximum concentrations and their distances from the source for dispersion cases with building entrainment.
(Concentrations normalised as $(\text{m}^{-2}) \times 10^6$, (Equation 3))**

Scenario	Model/Ratio	Neutral, Low wind speed		Neutral, High wind speed	
		Distance to Maximum (m)	Maximum Concentration ($\text{m}^{-2} \times 10^6$)	Distance to Maximum (m)	Maximum Concentration ($\text{m}^{-2} \times 10^6$)
40m stack, No building	AERMOD	1000	25	500	52
	ADMS	700	25	500	44
	ISC	900	50	800	60
	ADMS/AERMOD	0.70	1.01	1.00	0.85
	ISC/AERMOD	0.90	2.04	1.60	1.15
40m stack, 25m x 25m x 25m building	AERMOD	180	105	150	110
	ADMS	300	85	150	152
	ISC	110	250	120	190
	ADMS/AERMOD	1.67	0.81	1.00	1.38
	ISC/AERMOD	0.61	2.35	0.80	1.73
40m stack, 35m x 35m x 35m building	AERMOD	110	165	150	67
	ADMS	200	130	0	260
	ISC	110	250	120	190
	ADMS/AERMOD	1.82	0.76	0	3.88
	ISC/AERMOD	1.00	1.50	0.80	2.84
0m stack, 35m x 35m x 35m building	AERMOD	110	1100	110	800
	ADMS	0	3350	0	3820
	ISC	110	1020	110	1020
	ADMS/AERMOD	0.00	3.05	0	4.75
	ISC/AERMOD	1.00	0.93	1.00	1.27
40m stack, 245m x 35m x 35m building	AERMOD	110	165	110	160
	ADMS	300	140	0	150
	ISC	110	250	120	190
	ADMS/AERMOD	2.73	0.85	0	0.95
	ISC/AERMOD	1.00	1.50	1.09	1.19
AVERAGE VALUES All scenarios (5 scenarios)	ADMS/AERMOD	1.38	1.30	0.40	2.36
	ISC/AERMOD	0.90	1.66	1.06	1.64
With building (4 scenarios)	ADMS/AERMOD	1.56	1.37	0.25	2.74
	ISC/AERMOD	0.90	1.57	0.92	1.76

¹ Shading indicates corrected values.

Table 12 (Corrected)¹. Effects of terrain on single condition releases.
(Concentrations normalised as (m⁻²) x 10⁶ (Equation 3)).

Scenario	Model/Ratio	Neutral		Unstable		Stable	
		Distance to Maximum (m)	Maximum Concentration (m ⁻² x 10 ⁶)	Distance to Maximum (m)	Maximum Concentration (m ⁻² x 10 ⁶)	Distance to Maximum (m)	Maximum Concentration (m ⁻² x 10 ⁶)
No terrain	AERMOD	1000	24.4	300	38.9	1600*	4.00
	ADMS	700	24.9	200	75.3	1400	9.50
	ISC	900	47.7	300	60.1	1600*	23.2
	ADMS/AERMOD	0.7	1.0	0.7	1.9	*	*
	ISC/AERMOD	0.9	2.0	1.0	1.5	*	*
Gaussian Hill	AERMOD	500	71.9	300	38.7	600	146.0
	ADMS	600	36.6	200	79.7	700	13.0
	ISC	500	343.7	300	101.2	600	325.0
	ADMS/AERMOD	1.2	0.5	0.7	2.1	1.2	0.1
	ISC/AERMOD	1.0	4.8	1.0	2.6	1.0	2.2
Case 1	AERMOD	500	58.3	300	38.7	700	110.4
	ADMS	700	39.1	200	70.2	1100	21.2
	ISC	500	301.0	400	79.1	700	255.0
	ADMS/AERMOD	1.4	0.7	0.7	1.8	1.6	0.2
	ISC/AERMOD	1.0	5.2	1.3	2.0	1.0	2.3
Case 2	AERMOD	700	41.7	300	38.9	900	75.6
	ADMS	900	30.3	200	75.8	1000	19.6
	ISC	700	188.0	300	61.0	900	180.0
	ADMS/AERMOD	1.3	0.7	0.7	1.9	1.1	0.3
	ISC/AERMOD	1.0	4.5	1.0	1.6	1.0	2.4
Case 3	AERMOD	1300	25.0	300	38.9	1300	43.4
	ADMS	1300	19.3	200	75.7	1300	15.9
	ISC	1300	74.3	100	60.1	1100	87.8
	ADMS/AERMOD	1.0	0.8	0.7	2.0	1.0	0.4
	ISC/AERMOD	1.0	3.0	0.3	1.5	0.9	2.0
Case 4	AERMOD	900	26.0	300	38.9	900	7.30
	ADMS	900	26.4	200	75.6	1300	14.3
	ISC	700	109.0	300	60.4	900	67.3
	ADMS/AERMOD	1.0	1.0	0.7	1.9	1.4	2.0
	ISC/AERMOD	0.8	4.2	1.0	1.6	1.0	9.2
Case 5	AERMOD	600	37.2	300	38.9	800	34.0
	ADMS	900	37.0	200	76.0	900	31.4
	ISC	600	198.0	300	61.6	600	109.0
	ADMS/AERMOD	1.5	1.0	0.7	2.0	1.1	0.9
	ISC/AERMOD	1.0	5.3	1.0	1.6	0.8	3.1
Case 6	AERMOD	300	158.9	300	31.5	300	209.3
	ADMS	700	38.9	300	68.0	700	22.2
	ISC	500	381.7	300	155.6	300	396.6
	ADMS/AERMOD	2.3	0.2	1.0	2.2	2.3	0.1
	ISC/AERMOD	1.7	2.4	1.0	4.9	1.0	1.9
AVERAGE VALUES All scenarios (8 cases)							
	ADMS/AERMOD	1.3	0.7	0.7	2.0	N/A	N/A
	ISC/AERMOD	1.0	3.9	1.0	2.2	N/A	N/A
Terrain scenarios (7 cases)	ADMS/AERMOD	1.4	0.7	0.7	2.0	1.4	0.6
	ISC/AERMOD	1.1	4.2	0.9	2.3	0.9	3.3

¹ Shading indicates corrected values.

* Maximum was beyond the range of the calculation, so no ratio is given.

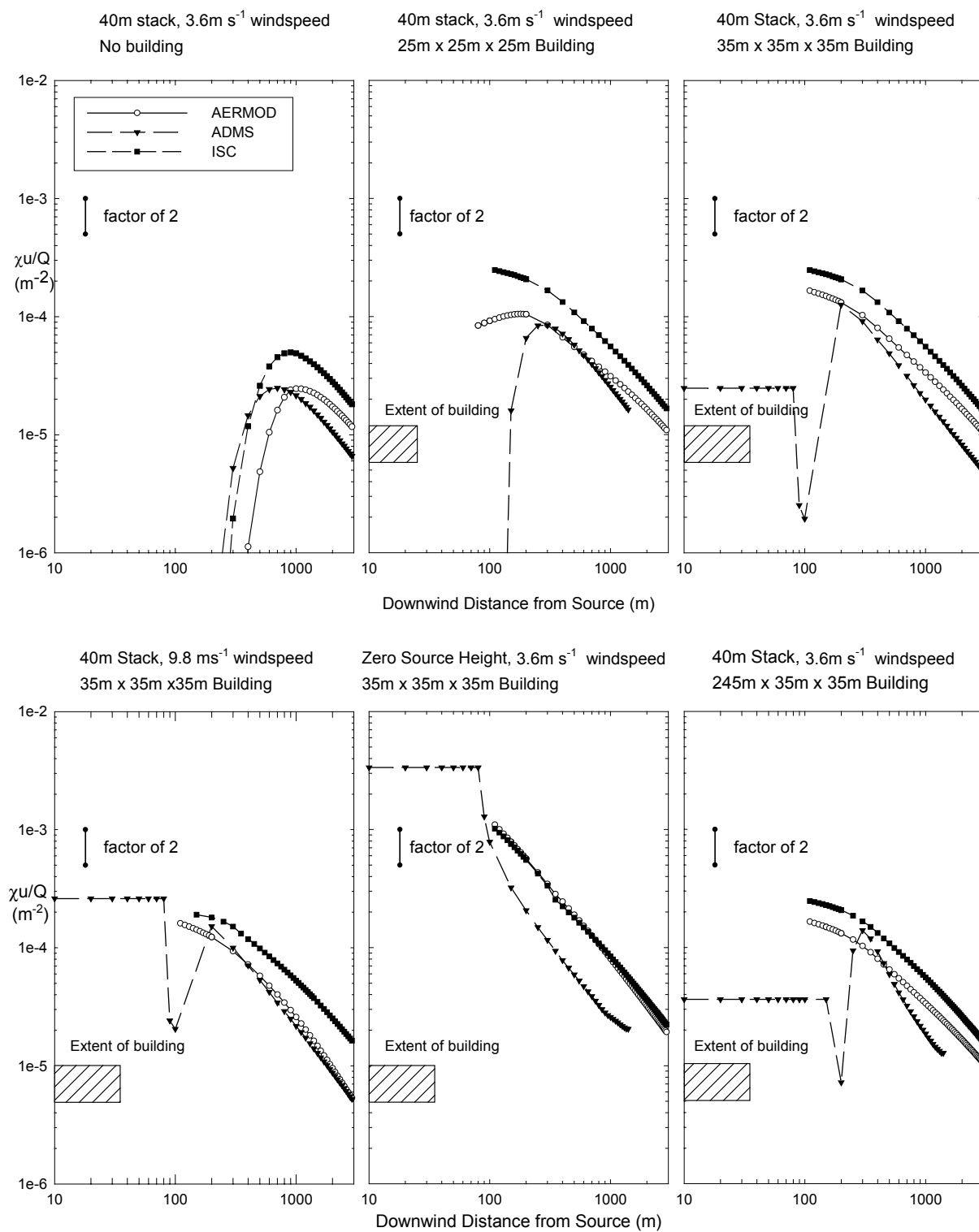


Figure 17 (Corrected). Effects of building entrainment for single conditions.
Normalised ground level plume centreline concentrations.
Neutral stability.