

Appendix 10.3: Air Quality Modelling Results

Table A1: Predicted Annual Mean NO₂ Concentrations (µg/m³) for Floors Levels within the Development using CURED Emission Factors

Floor	Building																					School	Playing field
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
G	21.0	19.4	19.7	17.8	24.9	20.9	18.1	17.9	21.2	21.8	17.7	18.6	19.1	20.5	18.5	18.2	19.7	17.9	17.8	17.4	18.0	19.4	19.3
1	20.2	19.3	19.5	17.8	22.6	20.3	18.0	17.8	20.2	20.6	17.6	18.5	18.9	20.0	18.5	18.2	19.7	17.9	17.7	17.4	17.9	19.3	
2	19.0	19.1	19.3	17.8	19.6	19.1	17.9	17.7	18.8	18.9	17.5	18.3	18.5	19.2	18.4	18.2	19.6	17.8	17.5	17.3	17.8	18.9	
3	18.7	19.0	19.2	17.8	18.3	18.4	17.7	17.5	18.1	18.2	17.1	17.9	18.4	18.6	18.4	18.1	19.5	17.8	17.4	17.2	17.7		
4	18.5	18.9	19.1	17.8		18.1	17.6	17.3	17.7	17.9	17.1	17.7	18.3	18.3	18.3	18.1	19.4	17.8	17.3				
5		18.8	19.0	17.8			17.4	17.2		17.6	17.1	17.6	18.2	18.3	18.3	18.1	19.4	17.8	17.2				
6		18.7	18.9	17.7			17.4	17.1			17.0	16.8			18.3	18.1	19.3	17.9	17.1				
7		18.6	18.9	17.7			17.3	17.2			17.0				18.5	18.1	19.3	17.9					
8		18.6					17.3	17.2															
9		18.2																					



Table A2: Predicted Annual Mean PM₁₀ Concentrations (µg/m³) for Floors Levels within the Development

Floor	Building																					School	Playing field
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
G	16.7	15.2	15.1	16.7	15.2	15.4	15.3	16.7	17.7	15.2	15.8	16.2	16.0	15.9	15.2	15.2	15.3	15.4	15.8	15.2	15.3	17.4	17.3
1	16.5	15.2	15.1	16.5	15.2	15.4	15.3	16.5	18.2	15.3	15.8	16.1	16.6	15.9	15.2	15.2	15.3	15.4	15.8	15.2	15.2	17.4	
2	16.1	15.2	15.1	17.0	15.2	15.4	15.3	16.1	18.0	15.3	16.0	15.9	16.4	15.9	15.2	15.2	15.3	15.3	15.8	15.2	15.2	17.3	
3	16.0	15.3	16.1	16.7	15.1	15.3	15.2	16.2	17.7	15.4	16.0	16.6	16.1	15.9	15.2	15.3	15.2	16.0	15.7	15.3	15.4		
4	15.9	15.3	16.1	16.5		15.3	15.2	16.0	17.7	15.3	16.0	16.4	15.2	15.9	15.2	15.3	15.2	16.0	15.7				
5		15.3	16.0	16.2			15.1	16.8		15.3	16.0	16.1	15.2	15.8	15.2	15.3	15.2	15.9	15.4				
6		15.3	15.9	17.8			15.1	16.5			15.9	16.3			15.2	15.3	15.2	15.9	15.3				
7		15.3	16.9	17.1			15.1	16.2			15.8				15.2	15.3	15.2	15.8					
8		15.2					15.4	17.6															
9		15.2																					

Table A3: Predicted Annual Mean PM₁₀ Number of Days >50µg/m³ for Floors Levels within the Development

Floor	Building																					School	Playing field
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
G	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Table A4: Predicted Annual Mean PM_{2.5} Concentrations (µg/m³) for Floors Levels within the Development

Floor	Building																					School	Playing field
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
G	11.4	11.0	10.5	10.5	12.0	11.4	10.5	10.5	11.4	11.5	10.5	11.0	11.1	11.3	11.0	10.4	10.5	10.5	10.5	10.5	10.5	11.1	11.0
1	11.3	11.0	10.5	10.4	11.6	11.3	10.5	10.5	11.3	11.3	10.5	11.0	11.1	11.2	10.9	10.4	10.5	10.5	10.5	10.5	10.4	11.1	
2	11.1	11.0	10.4	10.4	11.1	11.1	10.5	10.5	11.0	11.1	10.5	11.0	11.0	11.1	10.9	10.4	10.5	10.5	10.5	10.5	10.4	11.0	
3	11.0	10.9	10.4	10.4	11.0	11.0	10.5	10.5	10.9	11.0	10.4	10.9	10.9	11.0	10.9	10.4	10.4	10.4	10.5	10.5	10.4		
4	10.9	10.9	10.4	10.4		10.9	10.4	10.4	10.9	10.9	10.4	10.9	10.9	10.9	10.9	10.4	10.4	10.4	10.4				
5		10.9	10.4	10.4			10.4	10.4		10.9	10.4	10.9	10.9	10.9	10.9	10.4	10.4	10.4	10.4				
6		10.9	10.4	10.4			10.4	10.4			10.4	10.4			10.9	10.4	10.4	10.4	10.4				
7		10.8	10.4	10.4			10.4	10.4			10.4				10.9	10.4	10.4	10.4					
8		10.8					10.4	10.4															
9		10.8																					