

APPENDIX 12.2: AIR QUALITY SENSITIVITY ANALYSIS

Technical Appendix 12.2: Air Quality Sensitivity Analysis

- 12.1 As outlined in Chapter 12: Air Quality a sensitivity analysis has been undertaken on the basis of no future reductions in background concentrations and vehicles emission rates i.e. the potential effect of the Development assessed against the current baseline, 2010, conditions. This was undertaken on the basis of no reductions in background concentrations or vehicles emissions rates (i.e. the opposite of current guidance).
- 12.2 Table 1 below present the ADMS-Roads air quality modelling results against 2010 conditions.

Table 1: Results of the ADMS-Roads Modelling at Sensitive Receptors for 2010 Conditions

	NO ₂ Annual Mean (µg/m ³)
Receptor 1: 10 Chalk Farm Road	
Without Development	59.60
With Development	58.57
Change	-1.03
Receptor 2: 226A Camden High Street	
Without Development	59.15
With Development	59.20
Change	0.05
Receptor 3: 1 Grand Union Walk, Kentish Town Road	
Without Development	59.04
With Development	59.11
2015 Change	0.08
Receptor 4: 214-216 Camden High Street	
Without Development	53.86
With Development	53.93
Change	0.05
Receptor 5: 3A Camden Road	
Without Development	62.97
With Development	63.02
Change	0.05
Receptor 6: Hawley Infant School, Buck Street	
Without Development	53.72
With Development	53.79
Change	0.07
Receptor 7: 267a Camden High Street	
Without Development	59.05
With Development	59.11
Change	0.06
Receptor 8: 174 Camden Street	

	NO ₂ Annual Mean (µg/m ³)
Without Development	61.12
With Development	61.26
Change	0.14
Receptor 9: 8 Camden Road	
Without Development	75.76
With Development	75.42
Change	-0.34
Receptor 10: Building X	
With Development	57.50
Receptor 11: Building W (Northern façade)	
With Development	53.87
Receptor 12: Building W (Southern façade)	
With Development	53.12
Receptor 13: School (Western corner)	
With Development	58.34
Receptor 14: School (Eastern corner)	
With Development	58.41
Receptor 15: C2 8th floor	
With Development	55.88
Receptor 16: C2 8th floor	
With Development	54.18

12.3 Table 2 below summarises the significance the effects on NO₂ and PM₁₀ for the existing receptors on the basis of 2010 conditions.

Table 2: Summary of the Significance of Potential Effects for 2010 Conditions

	Receptor Location	NO ₂ Annual Mean
1	10 Chalk Farm Road	Minor Beneficial
2	226A Camden High Street	Negligible
3	1 Grand Union Walk, Kentish Town Road	Negligible
4	214-216 Camden High Street	Negligible
5	3A Camden Road	Negligible
6	Hawley Infant School, Buck Street	Negligible
7	267a Camden High Street	Negligible
8	174 Camden Street	Negligible
9	8 Camden Road	Negligible