

APPENDIX 14.6: Modelling Results**Annual Mean NO₂ Concentrations**

ID	Receptor	Predicted Annual Mean NO ₂ Concentrations (µg/m ³)			
		2013 Baseline	2017 Without Development	2017 With Development	Change with Development
1	Leys Heath Farm	24.7	25.1	26.4	1.3
2	Bank House A52	29.0	29.5	31.3	1.8
3	Brook Cottage A52	20.5	20.8	22.1	1.3
4	1 Moorland House Cottages A52	17.8	18.0	18.5	0.5
5	1 Whiston Eaves Lane	20.2	20.5	24.8	4.3
6	8 Whiston Eaves Lane	17.5	17.7	20.8	3.1
7	5 Whiston Eaves Lane	16.4	16.6	20.0	3.4
8	Whiston Grange	11.2	11.2	13.9	2.7
9	Cottage Farm Eaves Lane	9.7	9.7	10.3	0.6
10	Cowtrees Farm Eaves Lane	9.7	9.7	9.8	0.1
11	1 Eaves Lane	10.6	10.7	11.1	0.4
12	Springhill Carr Bank	15.8	16.0	16.6	0.6
13	17 The Square Carr Bank	14.3	14.5	14.8	0.3
14	1 Starwood Terrace Carr Bank	16.7	16.9	17.3	0.4
15	Stornaway B5417	27.5	28.0	28.5	0.5
16	Old Bank Cottage B5417	24.1	24.5	24.9	0.4
17	Rose Bank B5417	25.2	25.6	26.0	0.4
18	Foxbank Croft B5417	26.0	26.5	26.5	0.0

Annual Mean PM₁₀ Concentrations

ID	Receptor	Predicted Annual Mean PM ₁₀ Concentrations (µg/m ³)			
		2013 Baseline	2017 Without Development	2017 With Development	Change with Development
1	Leys Heath Farm	15.6	15.6	15.8	0.2
2	Bank House A52	16.1	16.1	16.4	0.3
3	Brook Cottage A52	15.2	15.2	15.4	0.2
4	1 Moorland House Cottages A52	14.9	15.0	15.0	0.0
5	1 Whiston Eaves Lane	15.1	15.1	15.7	0.6
6	8 Whiston Eaves Lane	14.9	14.9	15.3	0.4
7	5 Whiston Eaves Lane	14.8	14.8	15.3	0.5

8	Whiston Grange	13.9	13.9	14.3	0.4
9	Cottage Farm Eaves Lane	15.1	15.1	15.2	0.1
10	Cowtrees Farm Eaves Lane	15.1	15.1	15.1	0.0
11	1 Eaves Lane	14.0	14.0	14.0	0.0
12	Springhill Carr Bank	14.6	14.6	14.7	0.1
13	17 The Square Carr Bank	14.6	14.6	14.7	0.1
14	1 Starwood Terrace Carr Bank	14.9	14.9	14.9	0.0
15	Stornaway B5417	16.2	16.3	16.4	0.1
16	Old Bank Cottage B5417	15.8	15.9	15.9	0.0
17	Rose Bank B5417	16.0	16.0	16.1	0.1
18	Foxbank Croft B5417	16.0	16.1	16.1	0.0

Daily (24-hourly) Mean PM₁₀

ID	Receptor	Predicted Number of Days PM ₁₀ Concentrations >50µg/m ³			
		2013 Baseline	2017 Without Development	2017 With Development	Change with Development
1	Leys Heath Farm	0	0	0	0
2	Bank House A52	0	0	0	0
3	Brook Cottage A52	0	0	0	0
4	1 Moorland House Cottages A52	0	0	0	0
5	1 Whiston Eaves Lane	0	0	0	0
6	8 Whiston Eaves Lane	0	0	0	0
7	5 Whiston Eaves Lane	0	0	0	0
8	Whiston Grange	0	0	0	0
9	Cottage Farm Eaves Lane	0	0	0	0
10	Cowtrees Farm Eaves Lane	0	0	0	0
11	1 Eaves Lane	0	0	0	0
12	Springhill Carr Bank	0	0	0	0
13	17 The Square Carr Bank	0	0	0	0
14	1 Starwood Terrace Carr Bank	0	0	0	0
15	Stornaway B5417	0	0	0	0
16	Old Bank Cottage B5417	0	0	0	0
17	Rose Bank B5417	0	0	0	0
18	Foxbank Croft B5417	0	0	0	0

Annual Mean NO_x Concentrations

ID	Receptor	Predicted Annual Mean NO ₂ Concentrations (µg/m ³)			
		2013 Baseline	2017 Without Development	2017 With Development	Change with Development
19E	Whiston Eaves SSSI	13.2	13.2	13.6	0.4