



APPENDIX 6.4 – CONSTRUCTION PHASE ROAD VEHICLE EXHUAUST IMPACTS

TRINITY ISLANDS, MANCHESTER

AQ4194

OCTOBER 2021

Prepared By

Rachael Harrison
Ensaf Consultants
Unit 9,
Orbital 24,
Oldham Street,
Denton,
Manchester
M34 3SU

In order to provide a robust assessment, emission factors for 2019 have been used within the dispersion model. The use of 2022 and 2026 construction traffic data, together with 2019 emission factors is considered to provide a worst-case scenario which significantly overestimates potential impacts. A sufficient level of confidence can therefore be placed upon conclusions regarding impact significance.

2022 CONSTRUCTION PHASE (2019 EMISSIONS)

Predicted Concentrations at Sensitive Receptors

Nitrogen Dioxide (NO₂)

Annual mean NO₂ concentrations were predicted for 2022 DM and DS scenarios and are summarised in Table 6.4.1. Reference should be made to Figure 6.7 for a graphical representation of these locations.

Table 6.4.1: Predicted Annual Mean NO₂ Concentrations

Potential Impact		Predicted Annual Mean NO ₂ Concentration (µg/m ³)		
		DM	DS	Change
R1	Residential - One Regent	40.50	40.64	0.14
R2	Residential - One Regent	38.12	38.27	0.15
R3	Residential - Miranda Court	45.39	45.56	0.17
R4	Residential - St Bartholomew's Drive	34.46	34.57	0.11
R5	Residential - Regent Plaza	43.16	43.33	0.17
R6	Residential - Regent Plaza	39.11	39.25	0.14
R7	Residential - Egerton Street	48.30	48.38	0.08
R8	Residential - Egerton Street	37.75	37.80	0.05
R9	Residential - Egerton Street	39.02	39.12	0.10
R10	Residential - Egerton Street	33.97	34.04	0.07
R11	Residential - Egerton Street	29.49	29.53	0.04
R12	Residential - Chester Road	39.31	39.34	0.03
R13	Commercial - Egerton Street	51.33	51.47	0.14
R14	Commercial - Egerton Street	46.61	46.73	0.12
R15	Residential - Wilburn Basin	31.43	31.59	0.16
R16	Residential - New Bailey Plot A3	31.02	31.22	0.20
R17	Residential - City Point	35.92	36.02	0.10
R18	Residential - Trinity Edge	43.80	43.97	0.17
R19	Residential - The Filaments	45.80	46.07	0.27
R20	Residential - Chapel Street	32.30	32.45	0.15

As indicated in Table 6.4.1, annual mean NO₂ concentrations exceeded the AQO at 8 sensitive human receptor locations considered in both the DM and DS scenarios. Critically, there are no new exceedances of the AQO anticipated as a result of the Proposed Development. The remaining 12 human receptor locations were predicted to experience NO₂ concentrations below the relevant AQO.

Predicted impacts on annual mean NO₂ concentrations are summarised in Table 6.4.2.

Table 6.4.2: Predicted NO₂ Impacts

Potential Impact		% Change in Concentration Relative to AQO	Long Term Average Concentration	Impact
R1	Residential - One Regent	0.35	95-102% of AQO	Negligible
R2	Residential - One Regent	0.38	95-102% of AQO	Negligible
R3	Residential - Miranda Court	0.43	110+ of AQO	Negligible
R4	Residential - St Bartholomew's Drive	0.27	76-94% of AQO	Negligible
R5	Residential - Regent Plaza	0.43	103-109% of AQO	Negligible
R6	Residential - Regent Plaza	0.35	95-102% of AQO	Negligible
R7	Residential - Egerton Street	0.20	110+ of AQO	Negligible
R8	Residential - Egerton Street	0.12	95-102% of AQO	Negligible
R9	Residential - Egerton Street	0.25	95-102% of AQO	Negligible
R10	Residential - Egerton Street	0.18	76-94% of AQO	Negligible
R11	Residential - Egerton Street	0.10	75% or Less of AQO	Negligible
R12	Residential - Chester Road	0.08	95-102% of AQO	Negligible
R13	Commercial - Egerton Street	0.35	110+ of AQO	Negligible
R14	Commercial - Egerton Street	0.30	110+ of AQO	Negligible
R15	Residential - Wilburn Basin	0.40	76-94% of AQO	Negligible
R16	Residential - New Bailey Plot A3	0.50	76-94% of AQO	Negligible
R17	Residential – City Point	0.25	76-94% of AQO	Negligible
R18	Residential – Trinity Edge	0.43	110+ of AQO	Negligible
R19	Residential - The Filaments	0.68	110+ of AQO	Moderate Adverse
R20	Residential – Chapel Street	0.38	76-94% of AQO	Negligible

As indicated in Table 6.4.1 impacts on annual mean NO₂ concentrations as a result of Construction Phase Road vehicle exhaust emissions associated with the Proposed Development are predicted to be **negligible** at 19 sensitive receptor locations, **moderate adverse** at 1 sensitive receptor locations.

Given their transient and short-term presence and minor adverse impact upon the network associated impact significance can therefore be considered **not significant** with regard to long-term pollutant concentrations.

Particulate Matter (PM₁₀)

Annual mean PM₁₀ concentrations were predicted for 2022 DM and DS scenarios and are summarised Table 6.4.3.

Table 6.4.3: Predicted Annual Mean PM₁₀ Concentrations

Potential Impact		Predicted Annual Mean PM ₁₀ Concentration (µg/m ³)		
		DM	DS	Change
R1	Residential - One Regent	16.61	16.62	0.01
R2	Residential - One Regent	16.03	16.05	0.02

Potential Impact		Predicted Annual Mean PM ₁₀ Concentration (µg/m ³)		
		DM	DS	Change
R3	Residential - Miranda Court	17.22	17.24	0.02
R4	Residential - St Bartholomew's Drive	15.52	15.54	0.02
R5	Residential - Regent Plaza	16.69	16.71	0.02
R6	Residential - Regent Plaza	16.36	16.38	0.02
R7	Residential - Egerton Street	18.51	18.52	0.01
R8	Residential - Egerton Street	16.46	16.47	0.01
R9	Residential - Egerton Street	17.06	17.08	0.02
R10	Residential - Egerton Street	15.92	15.94	0.02
R11	Residential - Egerton Street	15.09	15.10	0.01
R12	Residential - Chester Road	16.40	16.41	0.01
R13	Commercial - Egerton Street	20.45	20.49	0.04
R14	Commercial - Egerton Street	19.18	19.21	0.03
R15	Residential - Wilburn Basin	15.18	15.20	0.02
R16	Residential - New Bailey Plot A3	14.22	14.24	0.02
R17	Residential - City Point	14.80	14.82	0.02
R18	Residential - Trinity Edge	16.39	16.41	0.02
R19	Residential - The Filaments	16.21	16.23	0.02
R20	Residential - Chapel Street	14.37	14.39	0.02

As indicated in Table 6.4.3 annual mean PM₁₀ concentrations were below the relevant AQO at all receptor locations considered. Predicted impacts on annual mean PM₁₀ concentrations are summarised in Table 6.4.4:

Table 6.4.4: Predicted PM₁₀ Impacts

Potential Impact		% Change in Concentration Relative to AQO	Long Term Average Concentration	Impact
R1	Residential - One Regent	0.03	75% or Less of AQO	Negligible
R2	Residential - One Regent	0.05	75% or Less of AQO	Negligible
R3	Residential - Miranda Court	0.05	75% or Less of AQO	Negligible
R4	Residential - St Bartholomew's Drive	0.05	75% or Less of AQO	Negligible
R5	Residential - Regent Plaza	0.05	75% or Less of AQO	Negligible
R6	Residential - Regent Plaza	0.05	75% or Less of AQO	Negligible
R7	Residential - Egerton Street	0.02	75% or Less of AQO	Negligible
R8	Residential - Egerton Street	0.02	75% or Less of AQO	Negligible
R9	Residential - Egerton Street	0.05	75% or Less of AQO	Negligible
R10	Residential - Egerton Street	0.05	75% or Less of AQO	Negligible
R11	Residential - Egerton Street	0.02	75% or Less of AQO	Negligible
R12	Residential - Chester Road	0.03	75% or Less of AQO	Negligible
R13	Commercial - Egerton Street	0.10	75% or Less of AQO	Negligible

Potential Impact		% Change in Concentration Relative to AQO	Long Term Average Concentration	Impact
R14	Commercial - Egerton Street	0.08	75% or Less of AQO	Negligible
R15	Residential -Wilburn Basin	0.05	75% or Less of AQO	Negligible
R16	Residential - New Bailey Plot A3	0.05	75% or Less of AQO	Negligible
R17	Residential – City Point	0.05	75% or Less of AQO	Negligible
R18	Residential – Trinity Edge	0.05	75% or Less of AQO	Negligible
R19	Residential - The Filaments	0.05	75% or Less of AQO	Negligible
R20	Residential – Chapel Street	0.05	75% or Less of AQO	Negligible

As indicated in Table 6.4.4: impacts on annual mean PM₁₀ concentrations as a result of road vehicle exhaust emissions associated with the development were predicted to be negligible at all receptor locations.

It is therefore considered that the overall impacts as a result of the Proposed Development are not significant. Further justifications are discussed within Chapter 6 of the ES.

Particulate Matter (PM_{2.5})

Annual mean PM_{2.5} concentrations were predicted for 2022 DM and DS scenarios and are summarised Table 6.4.5.

Table 6.4.5: Predicted Annual Mean PM_{2.5} Concentrations

Potential Impact		Predicted Annual Mean PM _{2.5} Concentration (µg/m ³)		
		DM	DS	Change
R1	Residential - One Regent	10.59	10.60	0.01
R2	Residential - One Regent	10.26	10.27	0.01
R3	Residential - Miranda Court	10.98	10.99	0.01
R4	Residential - St Bartholomew's Drive	9.95	9.96	0.01
R5	Residential - Regent Plaza	10.67	10.68	0.01
R6	Residential - Regent Plaza	10.45	10.46	0.01
R7	Residential - Egerton Street	11.69	11.70	0.01
R8	Residential - Egerton Street	10.48	10.49	0.01
R9	Residential - Egerton Street	10.81	10.83	0.02
R10	Residential - Egerton Street	10.15	10.16	0.01
R11	Residential - Egerton Street	9.66	9.67	0.01
R12	Residential - Chester Road	10.47	10.47	0.00
R13	Commercial - Egerton Street	12.76	12.78	0.02
R14	Commercial - Egerton Street	12.03	12.04	0.01
R15	Residential -Wilburn Basin	9.73	9.74	0.01
R16	Residential - New Bailey Plot A3	9.25	9.26	0.01
R17	Residential – City Point	9.51	9.52	0.01
R18	Residential – Trinity Edge	10.44	10.45	0.01
R19	Residential - The Filaments	10.37	10.39	0.02

Potential Impact		Predicted Annual Mean PM _{2.5} Concentration (µg/m ³)		
		DM	DS	Change
R20	Residential – Chapel Street	9.34	9.35	0.01

As indicated in Table 6.4.5 annual mean PM_{2.5} concentrations were below the relevant AQO at all receptor locations considered. Predicted impacts on annual mean PM_{2.5} concentrations are summarised in Table 6.4.6.

Table 6.4.6: Predicted PM_{2.5} Impacts

Potential Impact		% Change in Concentration Relative to AQO	Long Term Average Concentration	Impact
R1	Residential - One Regent	0.04	75% or Less of AQO	Negligible
R2	Residential - One Regent	0.04	75% or Less of AQO	Negligible
R3	Residential - Miranda Court	0.04	75% or Less of AQO	Negligible
R4	Residential - St Bartholomew's Drive	0.04	75% or Less of AQO	Negligible
R5	Residential - Regent Plaza	0.04	75% or Less of AQO	Negligible
R6	Residential - Regent Plaza	0.04	75% or Less of AQO	Negligible
R7	Residential - Egerton Street	0.04	75% or Less of AQO	Negligible
R8	Residential - Egerton Street	0.04	75% or Less of AQO	Negligible
R9	Residential - Egerton Street	0.08	75% or Less of AQO	Negligible
R10	Residential - Egerton Street	0.04	75% or Less of AQO	Negligible
R11	Residential - Egerton Street	0.04	75% or Less of AQO	Negligible
R12	Residential - Chester Road	0.00	75% or Less of AQO	Negligible
R13	Commercial - Egerton Street	0.08	75% or Less of AQO	Negligible
R14	Commercial - Egerton Street	0.04	75% or Less of AQO	Negligible
R15	Residential - Wilburn Basin	0.04	75% or Less of AQO	Negligible
R16	Residential - New Bailey Plot A3	0.04	75% or Less of AQO	Negligible
R17	Residential – City Point	0.04	75% or Less of AQO	Negligible
R18	Residential – Trinity Edge	0.04	75% or Less of AQO	Negligible
R19	Residential - The Filaments	0.08	75% or Less of AQO	Negligible
R20	Residential – Chapel Street	0.04	75% or Less of AQO	Negligible

As indicated within Table 6.4.6, impacts on annual mean PM_{2.5} concentrations as a result of road vehicle exhaust emissions associated with the development were predicted to be negligible at all receptor locations. It is therefore considered that the overall impacts as a result of the Proposed Development are **not significant**. Further justifications are discussed within Chapter 6 of the ES.

2026 CONSTRUCTION PHASE (2019 EMISSIONS)

Predicted Concentrations at Sensitive Receptors

Nitrogen Dioxide (NO₂)

Annual mean NO₂ concentrations were predicted for 2026 DM and DS scenarios and are summarised in Table 6.4.7.

Reference should be made to Figure 6.7 for a graphical representation of these locations.

Table 6.4.7: Predicted Annual Mean NO₂ Concentrations

Potential Impact		Predicted Annual Mean NO ₂ Concentration (µg/m ³)		
		DM	DS	Change
R1	Residential - One Regent	40.79	40.94	0.15
R2	Residential - One Regent	38.38	38.53	0.15
R3	Residential - Miranda Court	45.74	45.87	0.13
R4	Residential - St Bartholomew's Drive	34.67	34.76	0.09
R5	Residential - Regent Plaza	43.48	43.60	0.12
R6	Residential - Regent Plaza	39.38	39.49	0.11
R7	Residential - Egerton Street	48.68	48.76	0.08
R8	Residential - Egerton Street	38.01	38.06	0.05
R9	Residential - Egerton Street	39.29	39.38	0.09
R10	Residential - Egerton Street	34.18	34.24	0.06
R11	Residential - Egerton Street	29.64	29.69	0.05
R12	Residential - Chester Road	39.59	39.62	0.03
R13	Commercial - Egerton Street	51.74	51.91	0.17
R14	Commercial - Egerton Street	46.97	47.11	0.14
R15	Residential - Wilburn Basin	31.60	31.73	0.13
R16	Residential - New Bailey Plot A3	31.18	31.29	0.11
R17	Residential - City Point	36.06	36.13	0.07
R18	Residential - Trinity Edge	44.05	44.17	0.12
R19	Residential - The Filaments	46.07	46.24	0.17
R20	Residential - Chapel Street	32.47	32.57	0.10

As indicated in Table 6.4.7 annual mean NO₂ concentrations exceeded the AQO at 8 sensitive human receptor locations considered in both the DM and DS scenarios. Critically, there are no new exceedances of the AQO anticipated as a result of the Proposed Development. The remaining 12 human receptor locations were predicted to experience NO₂ concentrations below the relevant AQO.

Predicted impacts on annual mean NO₂ concentrations are summarised in Table 6.4.8.

Table 6.4.8: Predicted NO₂ Impacts

Potential Impact		% Change in Concentration Relative to AQO	Long Term Average Concentration	Impact
R1	Residential - One Regent	0.37	103-109% of AQO	Negligible
R2	Residential - One Regent	0.37	95-102% of AQO	Negligible
R3	Residential - Miranda Court	0.32	110+ of AQO	Negligible
R4	Residential - St Bartholomew's Drive	0.22	76-94% of AQO	Negligible
R5	Residential - Regent Plaza	0.30	110+ of AQO	Negligible
R6	Residential - Regent Plaza	0.27	95-102% of AQO	Negligible
R7	Residential - Egerton Street	0.20	110+ of AQO	Negligible
R8	Residential - Egerton Street	0.13	95-102% of AQO	Negligible
R9	Residential - Egerton Street	0.23	95-102% of AQO	Negligible
R10	Residential - Egerton Street	0.15	76-94% of AQO	Negligible
R11	Residential - Egerton Street	0.13	75% or Less of AQO	Negligible
R12	Residential - Chester Road	0.07	95-102% of AQO	Negligible
R13	Commercial - Egerton Street	0.42	110+ of AQO	Negligible
R14	Commercial - Egerton Street	0.35	110+ of AQO	Negligible
R15	Residential - Wilburn Basin	0.32	76-94% of AQO	Negligible
R16	Residential - New Bailey Plot A3	0.27	76-94% of AQO	Negligible
R17	Residential - City Point	0.18	76-94% of AQO	Negligible
R18	Residential - Trinity Edge	0.30	110+ of AQO	Negligible
R19	Residential - The Filaments	0.43	110+ of AQO	Negligible
R20	Residential - Chapel Street	0.25	76-94% of AQO	Negligible

As indicated in Table 6.4.8 **Table 6.4.1** impacts on annual mean NO₂ concentrations as a result of Construction Phase Road vehicle exhaust emissions associated with the Proposed Development are predicted to be **negligible** at all 20 sensitive receptor locations considered.

Based on the results, the overall impact significance upon annual mean NO₂ concentrations as a result of the Proposed Development was determined to be **not significant**.

Particulate Matter (PM₁₀)

Annual mean PM₁₀ concentrations were predicted for 2026 DM and DS scenarios and are summarised Table 6.4.9.

Table 6.4.9: Predicted Annual Mean PM₁₀ Concentrations

Potential Impact		Predicted Annual Mean PM ₁₀ Concentration (µg/m ³)		
		DM	DS	Change
R1	Residential - One Regent	16.66	16.68	0.02
R2	Residential - One Regent	16.08	16.09	0.01

Potential Impact		Predicted Annual Mean PM ₁₀ Concentration (µg/m ³)		
		DM	DS	Change
R3	Residential - Miranda Court	17.28	17.30	0.02
R4	Residential - St Bartholomew's Drive	15.56	15.57	0.01
R5	Residential - Regent Plaza	16.74	16.76	0.02
R6	Residential - Regent Plaza	16.41	16.43	0.02
R7	Residential - Egerton Street	18.59	18.61	0.02
R8	Residential - Egerton Street	16.51	16.52	0.01
R9	Residential - Egerton Street	17.12	17.14	0.02
R10	Residential - Egerton Street	15.97	15.98	0.01
R11	Residential - Egerton Street	15.12	15.13	0.01
R12	Residential - Chester Road	16.45	16.46	0.01
R13	Commercial - Egerton Street	20.57	20.60	0.03
R14	Commercial - Egerton Street	19.27	19.30	0.03
R15	Residential - Wilburn Basin	15.21	15.23	0.02
R16	Residential - New Bailey Plot A3	14.25	14.27	0.02
R17	Residential – City Point	14.83	14.84	0.01
R18	Residential – Trinity Edge	16.44	16.47	0.03
R19	Residential - The Filaments	16.25	16.28	0.03
R20	Residential – Chapel Street	14.40	14.42	0.02

As indicated in Table 6.4.9 annual mean PM₁₀ concentrations were below the relevant AQO at all receptor locations considered. Predicted impacts on annual mean PM₁₀ concentrations are summarised in Table 6.4.10. **Table 6.4.4:**

Table 6.4.10: Predicted PM₁₀ Impacts

Potential Impact		% Change in Concentration Relative to AQO	Long Term Average Concentration	Impact
R1	Residential - One Regent	0.05	75% or Less of AQO	Negligible
R2	Residential - One Regent	0.03	75% or Less of AQO	Negligible
R3	Residential - Miranda Court	0.05	75% or Less of AQO	Negligible
R4	Residential - St Bartholomew's Drive	0.02	75% or Less of AQO	Negligible
R5	Residential - Regent Plaza	0.05	75% or Less of AQO	Negligible
R6	Residential - Regent Plaza	0.05	75% or Less of AQO	Negligible
R7	Residential - Egerton Street	0.05	75% or Less of AQO	Negligible
R8	Residential - Egerton Street	0.02	75% or Less of AQO	Negligible
R9	Residential - Egerton Street	0.05	75% or Less of AQO	Negligible
R10	Residential - Egerton Street	0.02	75% or Less of AQO	Negligible
R11	Residential - Egerton Street	0.03	75% or Less of AQO	Negligible
R12	Residential - Chester Road	0.03	75% or Less of AQO	Negligible
R13	Commercial - Egerton Street	0.08	75% or Less of AQO	Negligible

Potential Impact		% Change in Concentration Relative to AQO	Long Term Average Concentration	Impact
R14	Commercial - Egerton Street	0.08	75% or Less of AQO	Negligible
R15	Residential - Wilburn Basin	0.05	75% or Less of AQO	Negligible
R16	Residential - New Bailey Plot A3	0.05	75% or Less of AQO	Negligible
R17	Residential – City Point	0.02	75% or Less of AQO	Negligible
R18	Residential – Trinity Edge	0.07	75% or Less of AQO	Negligible
R19	Residential - The Filaments	0.08	75% or Less of AQO	Negligible
R20	Residential – Chapel Street	0.05	75% or Less of AQO	Negligible

As indicated in Table 6.4.10 impacts on annual mean PM₁₀ concentrations as a result of road vehicle exhaust emissions associated with the development were predicted to be negligible at all receptor locations.

It is therefore considered that the overall impacts as a result of the Proposed Development are not significant. Further justifications are discussed within Chapter 6 of the Main ES.

Particulate Matter (PM_{2.5})

Annual mean PM_{2.5} concentrations were predicted for 2026 DM and DS scenarios and are summarised in Table 6.4.11:

Table 6.4.11: Predicted Annual Mean PM_{2.5} Concentrations

Potential Impact		Predicted Annual Mean PM _{2.5} Concentration (µg/m ³)		
		DM	DS	Change
R1	Residential - One Regent	10.63	10.64	0.01
R2	Residential - One Regent	10.29	10.30	0.01
R3	Residential - Miranda Court	11.01	11.03	0.02
R4	Residential - St Bartholomew's Drive	9.97	9.98	0.01
R5	Residential - Regent Plaza	10.70	10.71	0.01
R6	Residential - Regent Plaza	10.47	10.48	0.01
R7	Residential - Egerton Street	11.74	11.75	0.01
R8	Residential - Egerton Street	10.51	10.52	0.01
R9	Residential - Egerton Street	10.85	10.86	0.01
R10	Residential - Egerton Street	10.18	10.18	0.00
R11	Residential - Egerton Street	9.68	9.69	0.01
R12	Residential - Chester Road	10.50	10.50	0.00
R13	Commercial - Egerton Street	12.83	12.84	0.01
R14	Commercial - Egerton Street	12.08	12.09	0.01
R15	Residential - Wilburn Basin	9.75	9.76	0.01
R16	Residential - New Bailey Plot A3	9.26	9.28	0.02
R17	Residential – City Point	9.52	9.53	0.01
R18	Residential – Trinity Edge	10.47	10.48	0.01
R19	Residential - The Filaments	10.40	10.42	0.02

Potential Impact		Predicted Annual Mean PM _{2.5} Concentration (µg/m ³)		
		DM	DS	Change
R20	Residential – Chapel Street	9.36	9.37	0.01

As indicated in Table 6.4.11: **Table 6.4.5** annual mean PM_{2.5} concentrations were below the relevant AQO at all receptor locations considered. Predicted impacts on annual mean PM_{2.5} concentrations are summarised in Table 6.4.12: .

Table 6.4.12: Predicted PM_{2.5} Impacts

Potential Impact		% Change in Concentration Relative to AQO	Long Term Average Concentration	Impact
R1	Residential - One Regent	0.04	75% or Less of AQO	Negligible
R2	Residential - One Regent	0.04	75% or Less of AQO	Negligible
R3	Residential - Miranda Court	0.08	75% or Less of AQO	Negligible
R4	Residential - St Bartholomew's Drive	0.04	75% or Less of AQO	Negligible
R5	Residential - Regent Plaza	0.04	75% or Less of AQO	Negligible
R6	Residential - Regent Plaza	0.04	75% or Less of AQO	Negligible
R7	Residential - Egerton Street	0.04	75% or Less of AQO	Negligible
R8	Residential - Egerton Street	0.04	75% or Less of AQO	Negligible
R9	Residential - Egerton Street	0.04	75% or Less of AQO	Negligible
R10	Residential - Egerton Street	0.00	75% or Less of AQO	Negligible
R11	Residential - Egerton Street	0.04	75% or Less of AQO	Negligible
R12	Residential - Chester Road	0.00	75% or Less of AQO	Negligible
R13	Commercial - Egerton Street	0.04	75% or Less of AQO	Negligible
R14	Commercial - Egerton Street	0.04	75% or Less of AQO	Negligible
R15	Residential -Wilburn Basin	0.04	75% or Less of AQO	Negligible
R16	Residential - New Bailey Plot A3	0.08	75% or Less of AQO	Negligible
R17	Residential – City Point	0.04	75% or Less of AQO	Negligible
R18	Residential – Trinity Edge	0.04	75% or Less of AQO	Negligible
R19	Residential - The Filaments	0.08	75% or Less of AQO	Negligible
R20	Residential – Chapel Street	0.04	75% or Less of AQO	Negligible

As indicated within Table 6.4.12: **Table 6.4.6**, impacts on annual mean PM_{2.5} concentrations as a result of road vehicle exhaust emissions associated with the development were predicted to be negligible at all receptor locations. It is therefore considered that the overall impacts as a result of the Proposed Development are **not significant**. Further justifications are discussed within Chapter 6 of the Main ES.