

Appendix B: Model Verification Procedure

Verification Steps	Local Authority Diffusion Tube
	Diffusion Tube 20 – 321 Manchester Road
Bias Adjusted NO ₂ Concentration (µgm ⁻³)	38.20
NO _x Background (µgm ⁻³)	24.65
NO ₂ Background (µgm ⁻³)	18.64
NO ₂ Monitored (µgm ⁻³) <i>(Bias adjusted NO₂ – Background NO₂)</i>	19.56
Road Increment NO _x (µgm ⁻³) <i>(Modelled NO_x – Background NO_x)</i>	7.38
Road NO ₂ (µgm ⁻³) <i>(Obtained from calculator in accordance with TG(09))</i>	4.97
Adjustment Factor <i>(NO₂ monitored – Road NO₂)</i>	3.94
NO ₂ Corrected Roads Mod (µgm ⁻³) <i>(Road NO₂ x Adjustment Factor)</i>	19.56
Total NO ₂ (µgm ⁻³) <i>(NO₂ Corrected Roads Mod + Background)</i>	38.20

Adjustment factor to apply to receptors considered as part of the DMRB air quality assessment = 3.94