

Appendix 6.4 – Model Verification

Results from the model verification are presented in Table 6.4.1. Results indicate that the model under-predicts road NO_x contribution, and therefore it is necessary to apply an adjustment factor of 3.7107 (see Figure 6.4.1).

This adjustment factor has subsequently been applied to all modelled road NO_x concentrations. Adjusted NO_x is presented in Figure 6.4.2 and Table 6.4.2.

Table 6.4.1 Model verification results

Monitoring Site ID	Modelled road NO _x	Monitored road NO _x	% Difference
MA95BNO	13.49	49.78	-72.91
MA28NO	8.22	31.58	-73.99
MA86ANO	8.24	29.93	-72.46

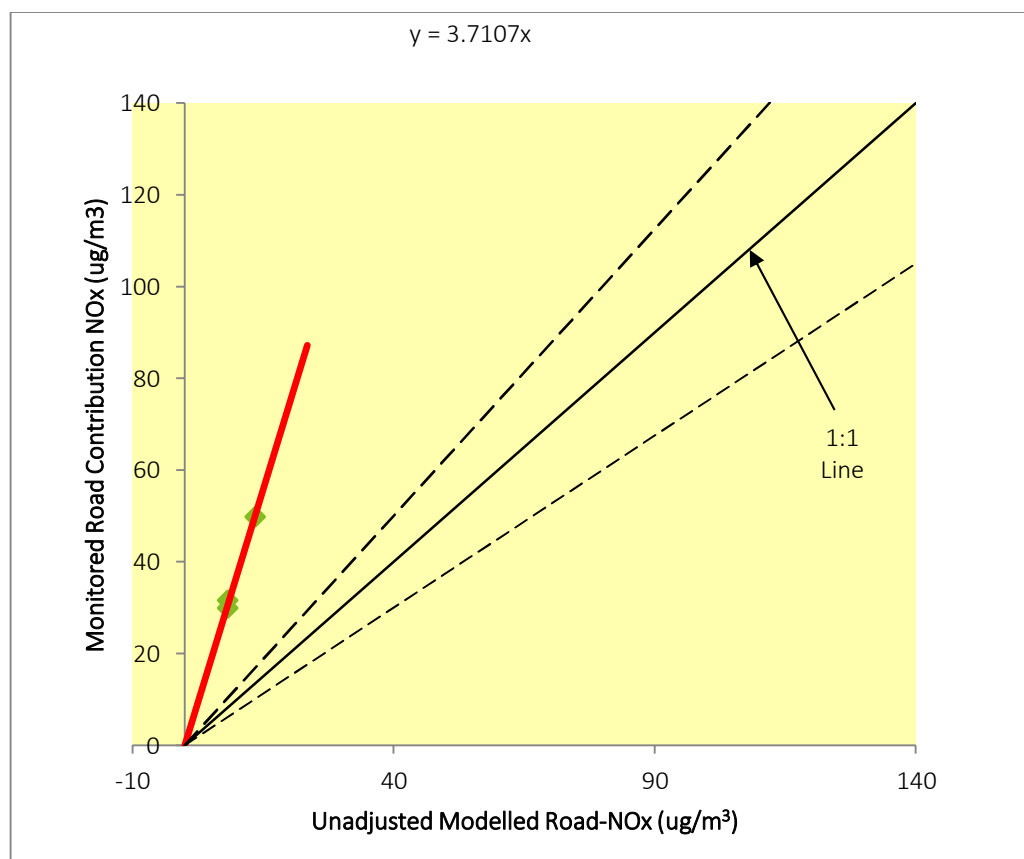


Figure 6.4.1 Modelled and monitored road NO_x

Table 6.4.2 Adjusted modelled road NO_x

Monitoring Site ID	Background		Modelled Road NO _x	Monitored Road NO _x	Adjusted Modelled Road NO _x	% Difference after Adjustment
	NO _x	NO ₂				
MA95BNO	28.3	19.6	13.5	49.8	50.0	0.5
MA28NO	29.8	20.5	8.2	31.6	30.5	-3.5
MA86ANO	26.5	18.6	8.2	29.9	30.6	2.2

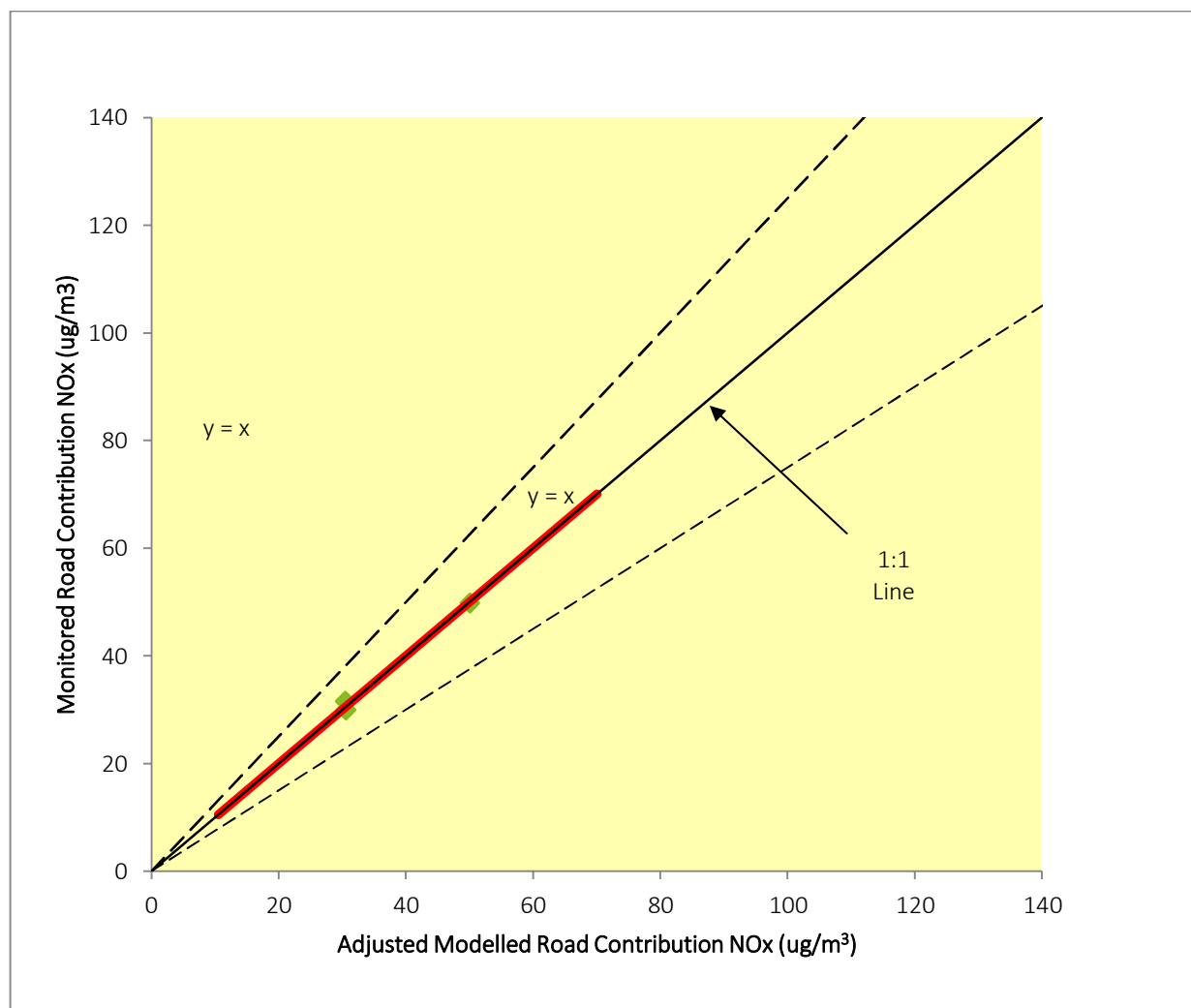


Figure 6.4.2 Adjusted modelled road NO_x