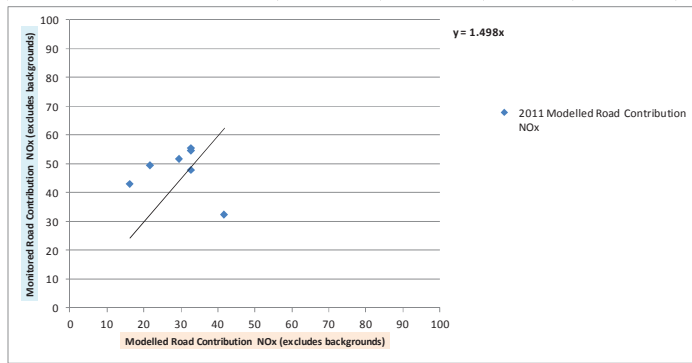


Appendix B5.3: Model Verification Procedure in LAQM.TG(09)

Address	2011 Monitored Total NO2	2011 Monitored Total NOx	2011 Background NO2	2011 Background NOx	Monitored Road Contribution NO2 (total - background)	Monitored Road Contribution NOx (excludes background)	Modelled Road Contribution NOx (excludes background)
V1 - Oxford Road	40.40	73.24	17.88	21.53	22.52	51.71	29.47
V2 - North Bar	43.80	84.09	25.45	41.07	18.35	43.02	16.14
V4 - Oxford Road/ South Bar	39.70	73.44	25.45	41.07	14.25	32.37	41.67
V5 - Bloxham Road	46.20	90.61	25.45	41.07	20.75	49.54	21.60
V6a - Horsefair 1	45.60	88.96	25.45	41.07	20.15	47.89	32.74
V6b - Horsefair 2	48.30	96.53	25.45	41.07	22.85	55.46	32.74
V6c - Horsefair 3	48.00	95.67	25.45	41.07	22.55	54.60	32.74



Address	Ratio of Monitored Road Contribution NOx / Modelled Road Contribution NOx	Adjustment Factor for Modelled Road Contribution	Adjusted Modelled Road Contribution NOx	Adjusted Modelled Total NOx (including background NOx)	Modelled Total NO2 (based on empirical NOx / NO2 relationship)	Monitored Total NO2	% Difference [(modelled - monitored) / monitored] x 100
V1 - Oxford Road	1.75	1.498	44.15	65.68	37.52	40.40	-7.13
V2 - North Bar	2.67		24.18	65.25	36.34	43.80	-17.03
V4 - Oxford Road/ South Bar	0.78		62.42	103.49	50.69	39.70	27.68
V5 - Bloxham Road	2.29		32.36	73.43	39.68	46.20	-14.11
V6a - Horsefair 1	1.46		49.05	90.11	46.02	45.60	0.92
V6b - Horsefair 2	1.69		49.05	90.11	46.02	48.30	-4.72
V6c - Horsefair 3	1.67		49.05	90.11	46.02	48.00	-4.12

