APPENDIX 10.5 – DETAILED MODELLING OF OPERATIONAL PHASE EMISSIONS - DETAILED RESULTS TABLES.

Table A10.5.1 Receptor Impacts – Detailed NO_2 Modelling

Receptor	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)				Magnitude of Impact ($\mu g.m^{-3}$)	Proportion of AQO (%)	Impact	Sensitivity	Significance
	DM		DS						
	Roads	Total	Roads	Total					
R1	25.65	39.54	25.89	39.78	+0.24	0.60	Negligible	High	Neutral
R2	15.14	29.03	15.26	29.15	+0.12	0.30	Negligible	Low	Neutral
R3	22.72	36.61	22.93	36.82	+0.21	0.53	Negligible	High	Neutral
R4	11.06	24.95	11.13	25.02	+0.07	0.18	Negligible	Low	Neutral
R5	21.12	35.01	21.25	35.14	+0.13	0.32	Negligible	Medium	Neutral
R6	5.05	18.94	5.08	18.97	+0.03	0.07	Negligible	Low	Neutral
R7	15.91	29.80	16.01	29.90	+0.10	0.25	Negligible	Low	Neutral
R8	6.24	20.13	6.26	20.15	+0.02	0.05	Negligible	Low	Neutral
R9	4.78	18.67	4.79	18.68	+0.01	0.02	Negligible	Low	Neutral
R10	11.67	25.56	11.73	25.62	+0.06	0.15	Negligible	Low	Neutral
R11	6.73	20.62	6.77	20.66	+0.04	0.10	Negligible	Low	Neutral
R12	16.57	30.46	16.74	30.63	+0.17	0.42	Negligible	Medium	Neutral
R13	12.41	26.30	12.54	26.43	+0.13	0.32	Negligible	Low	Neutral
R14	4.92	18.81	4.95	18.84	+0.03	0.07	Negligible	Low	Neutral
R15	11.69	25.58	11.74	25.63	+0.05	0.13	Negligible	Low	Neutral
R16	14.33	28.22	14.38	28.27	+0.05	0.13	Negligible	Low	Neutral
R17	18.42	32.31	18.57	32.46	+0.15	0.37	Negligible	Medium	Neutral
R18	14.32	28.21	14.35	28.24	+0.03	0.08	Negligible	Low	Neutral
R19	17.11	31.00	17.32	31.21	+0.21	0.53	Negligible	Medium	Neutral
R20	13.55	27.44	13.68	27.57	+0.13	0.32	Negligible	Low	Neutral

Table A10.5.1 Receptor Impacts – Detailed PM_{10} Modelling

Receptor	Annual Mean NO_2 Concentration ($\mu g.m^{-3}$)				Magnitude of Impact ($\mu g.m^{-3}$)	Proportion of AQO (%)	Impact	Sensitivity	Significance
	DM		DS						
	Roads	Total	Roads	Total					
R1	4.99	19.02	5.01	19.04	+0.02	0.05	Negligible	Low	Neutral
R2	2.53	16.56	2.56	16.59	+0.04	0.10	Negligible	Low	Neutral
R3	4.37	18.40	4.39	18.42	+0.02	0.04	Negligible	Low	Neutral
R4	1.88	15.91	1.90	15.93	+0.02	0.05	Negligible	Low	Neutral
R5	3.64	17.67	3.69	17.72	+0.04	0.11	Negligible	Low	Neutral
R6	0.91	14.94	0.92	14.95	+0.01	0.03	Negligible	Low	Neutral
R7	3.07	17.10	3.11	17.14	+0.04	0.10	Negligible	Low	Neutral
R8	1.12	15.15	1.13	15.16	+0.00	0.01	Negligible	Low	Neutral
R9	0.87	14.90	0.87	14.90	0.00	0.01	Negligible	Low	Neutral
R10	2.09	16.12	2.09	16.12	+0.01	0.02	Negligible	Low	Neutral
R11	1.17	15.20	1.18	15.21	+0.01	0.01	Negligible	Low	Neutral
R12	2.93	16.96	2.96	16.99	+0.03	0.08	Negligible	Low	Neutral
R13	2.14	16.17	2.17	16.20	+0.02	0.06	Negligible	Low	Neutral
R14	0.88	14.91	0.89	14.92	0.00	0.01	Negligible	Low	Neutral
R15	2.20	16.23	2.21	16.24	+0.01	0.01	Negligible	Low	Neutral
R16	2.76	16.79	2.76	16.79	0.00	0.01	Negligible	Low	Neutral
R17	3.24	17.27	3.26	17.29	+0.02	0.06	Negligible	Low	Neutral
R18	2.77	16.80	2.77	16.80	0.00	0.01	Negligible	Low	Neutral
R19	2.92	16.95	2.95	16.98	+0.04	0.09	Negligible	Low	Neutral
R20	2.35	16.38	2.38	16.41	+0.03	0.06	Negligible	Low	Neutral