

# **A46 Newark Bypass**

**TR010065/APP/6.3**

## **6.3 Environmental Statement**

### **Appendix 5.1 Air Quality Receptor Results**

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and  
Procedure) Regulations 2009

Volume 6

April 2024

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning  
(Applications: Prescribed Forms  
and Procedure) Regulations 2009**

**A46 Newark Bypass**

Development Consent Order 202[x]

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**ENVIRONMENTAL STATEMENT**

**APPENDIX 5.1 AIR QUALITY RECEPTOR RESULTS**

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<b>Regulation Number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference</b>	TR010065
<b>Application Document Reference</b>	TR010065/APP/6.3
<b>Author:</b>	A46 Newark Bypass Project Team, National Highways

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
Rev 1	April 2024	DCO Application

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## 1 Air quality receptor results

- 1.1.1 Modelled results at human health receptors for annual mean particulate matter (PM<sub>10</sub>) in the Base year, and annual mean nitrogen dioxide (NO<sub>2</sub>) (µg/m<sup>3</sup>) in the Base year, Do-Minimum (DM) (without the Scheme) and Do-Something (DS) (with the Scheme) scenarios, used to inform the air quality assessment contained within Chapter 5 (Air Quality) of the Environmental Statement (ES) **(TR010065/APP/6.1)**, are presented in Table 1-1 below.
- 1.1.2 In addition to this, nitrogen deposition results at modelled ecology receptors, with and without contributions of ammonia from road traffic emissions, are presented in Table 1-2 and Table 1-3 below. These results have also been used to inform the air quality assessment contained within Chapter 5 (Air Quality) of the ES **(TR010065/APP/6.1)**.

**Table 1-1: Air quality assessment results at human receptors for PM<sub>10</sub> in the Base scenario and NO<sub>2</sub> (µg/m<sup>3</sup>) in the Base, DM and DS scenario**

Receptor ID	X	Y	Base Year (2022)				Opening Year (2028)			
			PM <sub>10</sub> Background	Total PM <sub>10</sub>	NO <sub>2</sub> Background	Total NO <sub>2</sub>	NO <sub>2</sub> Background	DM Total NO <sub>2</sub>	DS Total NO <sub>2</sub>	NO <sub>2</sub> Change
R1	490909	364382	24.3	26.6	11.7	21.9	10.1	20.8	21.1	0.3
R2	488797	362891	22.7	24.1	11.7	19.4	10.1	18.7	18.9	0.2
R3	488272	362522	22.7	23.9	11.7	16.8	10.1	16.0	16.3	0.3
R4	487383	361856	23.7	25.0	11.3	17.1	9.8	16.4	16.6	0.2
R5	490628	361485	22.7	22.9	10.9	12.1	9.5	11.1	11.5	0.4
R6	486297	361028	24.1	26.4	11.5	21.1	9.9	20.6	21.0	0.4
R7	484475	359222	24.2	25.2	11.5	15.6	9.9	14.6	14.8	0.2
R8	483882	359058	23.0	23.8	11.8	15.3	10.1	14.3	14.4	0.1
R9	474741	360096	22.2	22.7	9.8	11.9	8.5	11.2	10.9	-0.3
R10	476705	359980	22.4	23.1	10.0	13.6	8.7	12.9	12.4	-0.5
R11	477922	359898	22.2	22.6	10.4	12.2	9.0	11.4	11.2	-0.2
R12	478884	359708	22.6	23.2	11.0	13.7	9.5	12.8	12.5	-0.3
R13	479408	359597	25.1	26.2	12.0	16.9	10.4	15.7	15.6	-0.1
R14	479442	359406	25.1	28.1	12.0	24.6	10.4	23.0	23.0	0.0
R15	479368	358963	26.3	27.4	12.4	17.8	10.8	16.4	16.5	0.1
R16	479225	358827	26.3	27.3	12.4	17.8	10.8	16.4	16.6	0.2
R17	479421	358780	26.3	27.5	12.4	18.4	10.8	17.0	16.9	-0.1
R18	479408	358183	26.3	28.3	12.4	20.9	10.8	19.4	19.3	-0.1
R19	478854	357007	22.5	23.9	11.7	19.6	10.0	18.0	18.7	0.7
R20	472128	356090	21.2	21.6	10.0	12.0	8.7	10.9	11.1	0.2
R21	473587	355521	22.6	23.3	10.1	13.0	8.8	11.9	12.1	0.2
R22	475127	355483	22.8	24.2	10.5	15.9	9.2	14.6	15.2	0.6
R23	476350	354637	21.7	22.4	11.7	15.2	10.1	13.9	14.1	0.2

Receptor ID	X	Y	Base Year (2022)				Opening Year (2028)			
			PM <sub>10</sub> Background	Total PM <sub>10</sub>	NO <sub>2</sub> Background	Total NO <sub>2</sub>	NO <sub>2</sub> Background	DM Total NO <sub>2</sub>	DS Total NO <sub>2</sub>	NO <sub>2</sub> Change
R24	477252	355723	21.9	26.4	11.4	30.6	10.0	28.0	29.0	1.0
R25	477496	355678	21.9	24.3	11.4	21.8	10.0	19.8	20.3	0.5
R26	478794	356089	20.9	22.2	11.6	17.8	10.1	16.4	16.9	0.5
R27	479157	355106	19.7	20.3	13.5	16.7	11.8	15.3	15.5	0.2
R28	482480	357074	24.2	26.8	12.6	24.6	10.7	23.6	24.0	0.4
R29	481966	356604	24.7	25.8	13.7	18.4	11.7	17.2	17.2	0.0
R30	481032	356231	24.7	26.3	13.7	20.2	11.7	18.7	19.2	0.5
R31	481138	356237	24.7	28.1	13.7	27.5	11.7	25.8	26.0	0.2
R32	481397	356202	24.7	25.8	13.7	18.8	11.7	17.3	17.5	0.2
R33	480509	355936	21.8	22.7	15.8	19.7	13.8	18.0	18.5	0.5
R34	480640	356022	24.8	26.3	13.6	19.9	11.9	18.2	17.7	-0.5
R35	480841	356005	24.8	26.1	13.6	19.3	11.9	17.7	16.7	-1.0
R36	481020	355893	25.3	27.2	15.7	24.0	13.7	22.0	20.1	-1.9
R37	481456	355909	25.3	28.3	15.7	32.5	13.7	30.0	27.9	-2.1
R38	481469	355871	25.3	28.3	15.7	33.1	13.7	30.6	29.6	-1.0
R39	481126	355761	25.3	27.0	15.7	25.6	13.7	23.5	21.6	-1.9
R40	481161	355700	25.3	27.1	15.7	27.0	13.7	25.0	24.2	-0.8
R41	481080	355582	25.3	26.4	15.7	21.6	13.7	19.9	19.7	-0.2
R42	481169	355579	25.3	27.6	15.7	29.0	13.7	26.8	27.1	0.3
R43	480918	355371	21.8	22.7	15.8	19.9	13.8	18.4	18.1	-0.3
R44	480077	355459	21.8	22.2	15.8	17.8	13.8	16.3	16.5	0.2
R45	480168	355029	21.8	22.4	15.8	18.3	13.8	16.8	17.0	0.2
R46	480551	354975	20.3	21.3	17.1	22.1	15.0	20.5	19.8	-0.7
R47	480507	354937	20.3	21.6	17.1	23.5	15.0	21.9	20.9	-1.0
R48	480281	354636	20.3	21.3	17.1	21.2	15.0	19.6	19.1	-0.5

Receptor ID	X	Y	Base Year (2022)				Opening Year (2028)			
			PM <sub>10</sub> Background	Total PM <sub>10</sub>	NO <sub>2</sub> Background	Total NO <sub>2</sub>	NO <sub>2</sub> Background	DM Total NO <sub>2</sub>	DS Total NO <sub>2</sub>	NO <sub>2</sub> Change
R49	480197	354544	20.3	22.1	17.1	24.6	15.0	23.0	21.5	-1.5
R50	479328	354535	21.4	22.3	14.9	20.3	13.0	18.6	18.7	0.1
R51	479519	354296	21.4	22.9	14.9	22.0	13.0	20.1	22.1	2.0
R52	479935	354283	21.4	24.0	14.9	27.9	13.0	26.2	24.4	-1.8
R53	479614	354162	21.4	24.2	14.9	30.8	13.0	28.0	31.9	3.9
R54	479739	354090	21.4	24.2	14.9	29.9	13.0	27.3	27.3	0.0
R55	479763	354059	21.4	24.2	14.9	28.3	13.0	26.1	25.1	-1.0
R56	479615	353918	19.8	22.1	16.3	26.1	14.2	24.1	23.1	-1.0
R57	479578	353829	19.8	22.1	16.3	27.0	14.2	25.0	23.2	-1.8
R58	479504	353788	19.8	21.7	16.3	26.0	14.2	25.4	21.8	-3.6
R59	479416	353706	19.8	21.3	16.3	22.5	14.2	21.1	19.6	-1.5
R60	479306	353577	19.8	21.1	16.3	20.8	14.2	19.3	18.1	-1.2
R61	479554	353617	19.8	20.7	16.3	20.1	14.2	17.9	19.0	1.1
R62	479658	353566	19.8	21.2	16.3	21.5	14.2	19.1	19.4	0.3
R63	479367	353406	19.8	21.1	16.3	20.8	14.2	18.6	18.0	-0.6
R64	479092	353283	19.8	21.9	16.3	24.3	14.2	21.2	19.5	-1.7
R65	479828	353720	19.8	21.7	16.3	27.2	14.2	24.9	23.3	-1.6
R66	479853	353679	19.8	21.4	16.3	25.4	14.2	22.7	21.5	-1.2
R67	479835	353654	19.8	21.2	16.3	23.9	14.2	21.3	20.3	-1.0
R68	479759	353629	19.8	21.2	16.3	22.6	14.2	20.2	19.2	-1.0
R69	479748	353556	19.8	20.7	16.3	20.3	14.2	18.4	17.7	-0.7
R70	480026	352979	20.1	20.4	13.2	14.6	11.4	13.2	13.3	0.1
R71	479944	353213	19.8	20.6	16.3	19.6	14.2	18.1	17.8	-0.3
R72	480093	353431	20.9	22.0	15.9	21.5	13.9	19.4	18.8	-0.6
R73	480216	353722	20.9	22.2	15.9	22.0	13.9	20.2	19.5	-0.7

Receptor ID	X	Y	Base Year (2022)				Opening Year (2028)			
			PM <sub>10</sub> Background	Total PM <sub>10</sub>	NO <sub>2</sub> Background	Total NO <sub>2</sub>	NO <sub>2</sub> Background	DM Total NO <sub>2</sub>	DS Total NO <sub>2</sub>	NO <sub>2</sub> Change
R74	480331	353839	20.9	22.3	15.9	21.9	13.9	20.0	19.4	-0.6
R75	480532	353847	20.9	22.6	15.9	23.3	13.9	21.4	20.9	-0.5
R76	480683	353932	20.9	21.8	15.9	20.1	13.9	18.5	18.3	-0.2
R77	481255	353918	21.6	23.3	13.8	19.9	12.0	18.4	18.1	-0.3
R78	482287	354527	24.4	27.0	13.6	24.3	11.8	22.9	22.5	-0.4
R79	482266	354407	24.4	26.4	13.6	22.1	11.8	20.7	20.4	-0.3
R80	482361	354332	24.4	28.7	13.6	31.1	11.8	29.5	28.9	-0.6
R81	482503	354169	24.4	26.5	13.6	22.0	11.8	20.6	20.2	-0.4
R82	482257	354096	24.4	26.4	13.6	20.9	11.8	19.5	18.9	-0.6
R83	482224	354043	24.4	25.4	13.6	17.3	11.8	15.9	15.7	-0.2
R84	483017	354452	22.8	23.4	12.0	14.9	10.3	13.7	13.4	-0.3
R85	483175	354432	22.8	23.4	12.0	14.9	10.3	13.8	13.5	-0.3
R86	483723	354508	22.8	23.6	12.0	15.7	10.3	14.5	13.9	-0.6
R87	483589	355361	24.0	24.4	12.5	14.0	10.7	12.8	12.9	0.1
R88	484550	354573	23.6	24.1	11.2	13.7	9.7	12.4	12.5	0.1
R89	485744	354565	23.5	24.4	10.8	14.7	9.3	13.3	13.6	0.3
R90	485965	354179	23.5	23.7	10.8	11.9	9.3	11.4	10.8	-0.6
R91	478153	352837	21.9	23.2	12.6	18.8	10.9	17.3	18.3	1.0
R92	478028	352627	21.9	22.6	12.6	16.5	10.9	15.1	15.6	0.5
R93	478240	352554	21.9	23.2	12.6	19.6	10.9	17.5	17.7	0.2
R94	477966	352387	20.7	21.4	12.8	16.4	11.1	15.1	15.2	0.1
R95	478197	352326	21.9	23.0	12.6	17.9	10.9	16.3	16.9	0.6
R96	477431	351479	23.8	24.6	11.2	14.9	9.7	14.1	14.3	0.2
R97	477441	351236	23.8	24.4	11.2	14.1	9.7	13.2	13.5	0.3
R98	480467	351082	22.4	22.5	12.1	12.8	10.5	12.3	12.2	-0.1



Receptor ID	X	Y	Base Year (2022)				Opening Year (2028)			
			PM <sub>10</sub> Background	Total PM <sub>10</sub>	NO <sub>2</sub> Background	Total NO <sub>2</sub>	NO <sub>2</sub> Background	DM Total NO <sub>2</sub>	DS Total NO <sub>2</sub>	NO <sub>2</sub> Change
R99	481941	350896	25.8	26.5	10.9	15.2	9.4	14.5	14.1	-0.4
R100	481978	351003	20.6	22.1	12.8	21.7	10.9	19.7	19.0	-0.7
R101	481878	351361	20.6	21.2	12.8	15.3	10.9	14.7	14.1	-0.6
R102	481946	351626	20.6	21.2	12.8	15.2	10.9	14.4	13.9	-0.5
R103	482168	351611	25.2	25.7	12.1	14.2	10.4	13.6	13.1	-0.5
R104	482647	351764	25.2	26.5	12.1	18.2	10.4	17.5	16.9	-0.6
R105	482812	351986	25.2	28.9	12.1	28.0	10.4	27.5	26.4	-1.1
R106	483990	352493	23.3	23.5	11.8	12.8	10.1	12.2	11.7	-0.5
R107	485486	352532	22.6	22.8	10.5	11.5	9.1	11.1	10.5	-0.6
R108	474738	348331	23.2	23.6	11.1	13.4	9.5	12.4	12.6	0.2
R109	474283	347848	23.0	23.8	11.1	14.9	9.5	14.0	14.3	0.3
R110	473765	347096	19.9	21.1	11.1	16.6	9.6	15.7	16.1	0.4
R111	473427	346603	22.8	24.3	11.0	17.7	9.4	16.9	17.3	0.4
R112	472454	345123	23.6	25.0	11.1	17.2	9.5	16.4	16.8	0.4
R113	472148	344691	23.3	24.9	11.2	18.8	9.5	18.0	18.5	0.5
R114	471693	343981	23.5	25.0	11.3	17.7	9.7	16.9	17.3	0.4
PR1	481412	355614	25.3	26.3	15.7	20.9	13.7	19.3	19.1	-0.2
PR2	478715	351624	22.7	23.0	11.8	13.1	10.1	14.2	14.6	0.4
PR3	479545	351494	22.4	22.5	11.4	11.9	9.9	11.4	11.3	-0.1
PR4	480115	351334	22.4	22.6	12.1	13.6	10.5	13.8	13.8	0.0

**Table 1-2: Nitrogen deposition results at modelled ecology receptors with contributions of ammonia emissions from traffic**

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_01	Flintham Park	10	36.3	59.9	62.0	2.1	Yes
Eco_02	Flintham Park	10	36.3	50.3	51.6	1.2	Yes
Eco_03	Flintham Park	10	36.3	46.4	47.3	0.9	Yes
Eco_04	Flintham Park	10	36.3	44.3	45.0	0.7	Yes
Eco_05	Flintham Park	10	36.3	42.9	43.5	0.6	Yes
Eco_06	Flintham Park	10	36.3	41.9	42.4	0.5	Yes
Eco_07	Flintham Park	10	36.3	41.2	41.7	0.5	Yes
Eco_08	Flintham Park	10	36.3	40.7	41.1	0.4	No
Eco_09	Flintham Park	10	36.3	40.2	40.6	0.4	No
Eco_10	Flintham Park	10	36.3	39.9	40.2	0.3	No
Eco_11	Flintham Park	10	36.3	39.6	39.9	0.3	No
Eco_12	Flintham Park	10	36.3	39.3	39.6	0.3	No
Eco_13	Flintham Park	10	36.3	39.1	39.4	0.3	No
Eco_14	Flintham Park	10	36.3	38.9	39.2	0.2	No
Eco_15	Flintham Park	10	36.3	38.8	39.0	0.2	No
Eco_16	Flintham Park	10	36.3	38.7	38.9	0.2	No
Eco_17	Flintham Park	10	36.3	38.5	38.7	0.2	No
Eco_18	Flintham Park	10	36.3	38.4	38.6	0.2	No
Eco_19	Flintham Park	10	36.3	38.4	38.6	0.2	No
Eco_20	Coneygre Wood	10	36.3	45.3	46.1	0.8	Yes
Eco_21	Coneygre Wood	10	36.3	43.0	43.6	0.6	Yes
Eco_22	Coneygre Wood	10	36.3	41.7	42.2	0.5	Yes
Eco_23	Coneygre Wood	10	36.3	40.8	41.2	0.4	Yes
Eco_24	Coneygre Wood	10	36.3	40.2	40.5	0.4	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_25	Coneygre Wood	10	36.3	39.7	40.0	0.3	No
Eco_26	Coneygre Wood	10	36.3	39.3	39.6	0.3	No
Eco_27	Coneygre Wood	10	36.3	39.0	39.3	0.3	No
Eco_28	Coneygre Wood	10	36.3	38.8	39.0	0.2	No
Eco_29	Coneygre Wood	10	36.3	38.6	38.8	0.2	No
Eco_30	Coneygre Wood	10	36.3	38.4	38.6	0.2	No
Eco_31	Coneygre Wood	10	36.3	38.3	38.5	0.2	No
Eco_32	Coneygre Wood	10	36.3	38.2	38.3	0.2	No
Eco_33	Coneygre Wood	10	36.3	38.1	38.2	0.2	No
Eco_34	Coneygre Wood	10	36.3	38.0	38.1	0.1	No
Eco_35	Coneygre Wood	10	36.3	37.9	38.0	0.1	No
Eco_36	Coneygre Wood	10	36.3	37.8	38.0	0.1	No
Eco_37	Newark Trent Grassland	20	21.8	22.8	22.9	0.1	No
Eco_38	Newark Trent Grassland	20	21.8	22.8	22.9	0.1	No
Eco_39	Newark Trent Grassland	20	21.8	22.8	22.9	0.1	No
Eco_40	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	23.2	22.9	-0.3	No
Eco_41	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	23.1	22.9	-0.2	No
Eco_42	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	23.0	22.8	-0.2	No
Eco_43	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.9	22.8	-0.1	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_44	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.8	22.7	-0.1	No
Eco_45	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.8	22.7	-0.1	No
Eco_46	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.7	22.7	-0.1	No
Eco_47	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.7	22.7	0.0	No
Eco_48	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.7	22.6	0.0	No
Eco_49	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.7	22.6	0.0	No
Eco_50	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.6	22.6	0.0	No
Eco_51	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.6	22.6	0.0	No
Eco_52	Queen's Sconce, Newark	10	21.8	22.8	22.7	-0.1	No
Eco_53	Queen's Sconce, Newark	10	21.8	22.7	22.7	-0.1	No
Eco_54	Queen's Sconce, Newark	10	21.8	22.7	22.6	-0.1	No
Eco_55	Queen's Sconce, Newark	10	21.8	22.7	22.6	-0.1	No
Eco_56	Queen's Sconce, Newark	10	21.8	22.6	22.6	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_57	Queen's Sconce, Newark	10	21.8	22.6	22.6	0.0	No
Eco_58	Queen's Sconce, Newark	10	21.8	22.6	22.6	0.0	No
Eco_59	Queen's Sconce, Newark	10	21.8	22.6	22.6	0.0	No
Eco_60	Balderton Dismantled Railway South	20	21.9	29.5	28.1	-1.4	No
Eco_61	Balderton Dismantled Railway South	20	21.9	25.0	24.5	-0.5	No
Eco_62	Balderton Dismantled Railway South	20	21.9	23.9	23.6	-0.3	No
Eco_63	Balderton Dismantled Railway South	20	21.9	23.5	23.2	-0.2	No
Eco_64	Balderton Dismantled Railway South	20	21.9	23.2	23.0	-0.2	No
Eco_65	Balderton Dismantled Railway South	20	21.9	23.0	22.9	-0.1	No
Eco_66	Balderton Dismantled Railway South	20	21.9	22.9	22.8	-0.1	No
Eco_67	Balderton Dismantled Railway South	20	21.9	22.8	22.7	-0.1	No
Eco_68	Balderton Dismantled Railway South	20	21.9	22.7	22.6	-0.1	No
Eco_69	Balderton Dismantled Railway South	20	21.9	22.7	22.6	-0.1	No
Eco_70	Balderton Dismantled Railway South	20	21.9	22.6	22.6	-0.1	No
Eco_71	Balderton Dismantled Railway South	20	21.9	22.6	22.5	-0.1	No
Eco_72	Balderton Dismantled Railway South	20	21.9	22.6	22.5	0.0	No
Eco_73	Balderton Dismantled	20	21.9	22.5	22.5	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Railway South						
Eco_74	Balderton Dismantled Railway South	20	21.9	26.8	25.9	-0.9	No
Eco_75	Balderton Dismantled Railway South	20	21.9	23.7	23.4	-0.3	No
Eco_76	Balderton Dismantled Railway South	20	21.9	23.1	23.0	-0.2	No
Eco_77	Balderton Dismantled Railway South	20	21.9	22.9	22.7	-0.1	No
Eco_78	Balderton Dismantled Railway South	20	21.9	22.7	22.6	-0.1	No
Eco_79	Balderton Dismantled Railway South	20	21.9	22.6	22.6	-0.1	No
Eco_80	Balderton Dismantled Railway South	20	21.9	22.6	22.5	-0.1	No
Eco_81	Balderton Dismantled Railway South	20	21.9	22.5	22.5	0.0	No
Eco_82	Balderton Dismantled Railway South	20	21.9	22.5	22.4	0.0	No
Eco_83	Balderton Dismantled Railway South	20	21.9	22.5	22.4	0.0	No
Eco_84	Balderton Dismantled Railway South	20	21.9	22.4	22.4	0.0	No
Eco_85	Balderton Dismantled Railway South	20	21.9	22.4	22.4	0.0	No
Eco_86	Balderton Dismantled Railway South	20	21.9	22.4	22.4	0.0	No
Eco_87	Balderton Dismantled Railway South	20	21.9	22.4	22.4	0.0	No
Eco_88	Lowfield Grassland,	20	21.9	25.9	25.2	-0.7	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Balderton						
Eco_89	Lowfield Grassland, Balderton	20	21.9	23.5	23.3	-0.2	No
Eco_90	Lowfield Grassland, Balderton	20	21.9	23.0	22.9	-0.1	No
Eco_91	Lowfield Grassland, Balderton	20	21.9	22.8	22.7	-0.1	No
Eco_92	Lowfield Grassland, Balderton	20	21.9	22.7	22.6	-0.1	No
Eco_93	Lowfield Grassland, Balderton	20	21.9	22.6	22.5	-0.1	No
Eco_94	Lowfield Grassland, Balderton	20	21.9	22.5	22.5	0.0	No
Eco_95	Lowfield Grassland, Balderton	20	21.9	22.5	22.4	0.0	No
Eco_96	Lowfield Grassland, Balderton	20	21.9	22.4	22.4	0.0	No
Eco_97	Lowfield Grassland, Balderton	20	21.9	22.4	22.4	0.0	No
Eco_98	Lowfield Grassland, Balderton	20	21.9	22.4	22.4	0.0	No
Eco_99	Lowfield Grassland, Balderton	20	21.9	22.4	22.4	0.0	No
Eco_100	Lowfield Grassland, Balderton	20	21.9	22.4	22.4	0.0	No
Eco_101	Lowfield Grassland, Balderton	20	21.9	22.4	22.3	0.0	No
Eco_102	Lowfield Grassland, Balderton	20	21.9	22.4	22.3	0.0	No
Eco_106	Dairy Farm Railway Strip,	10	38.7	46.6	54.1	7.6	Yes

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Newark						
Eco_107	Dairy Farm Railway Strip, Newark	10	38.7	45.0	49.6	4.6	Yes
Eco_108	Dairy Farm Railway Strip, Newark	10	38.7	44.0	47.3	3.2	Yes
Eco_109	Dairy Farm Railway Strip, Newark	10	38.7	43.3	45.8	2.5	Yes
Eco_110	Dairy Farm Railway Strip, Newark	10	38.7	42.8	44.8	2.0	Yes
Eco_111	Dairy Farm Railway Strip, Newark	10	38.7	42.4	44.0	1.7	Yes
Eco_112	Dairy Farm Railway Strip, Newark	10	38.7	42.0	43.5	1.4	Yes
Eco_113	Dairy Farm Railway Strip, Newark	10	38.7	41.8	43.0	1.2	Yes
Eco_114	Dairy Farm Railway Strip, Newark	10	38.7	41.6	42.6	1.1	Yes
Eco_115	Dairy Farm Railway Strip, Newark	10	38.7	41.4	42.3	1.0	Yes
Eco_116	Dairy Farm Railway Strip, Newark	10	38.7	41.2	42.1	0.9	Yes
Eco_117	Dairy Farm Railway Strip, Newark	10	38.7	41.1	41.9	0.8	Yes
Eco_118	Dairy Farm Railway Strip, Newark	10	38.7	41.0	41.7	0.7	Yes
Eco_119	Dairy Farm Railway Strip, Newark	10	38.7	40.8	41.5	0.7	Yes
Eco_120	Dairy Farm Railway Strip, Newark	10	38.7	40.8	41.4	0.6	Yes
Eco_121	Dairy Farm Railway Strip,	10	38.7	40.7	41.2	0.6	Yes



Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Newark						
Eco_122	Dairy Farm Railway Strip, Newark	10	38.7	40.6	41.1	0.5	Yes
Eco_123	Dairy Farm Railway Strip, Newark	10	38.7	40.6	41.1	0.5	Yes
Eco_124	Dairy Farm Railway Strip, Newark	10	38.7	64.9	65.6	0.6	Yes
Eco_125	Dairy Farm Railway Strip, Newark	10	38.7	56.8	57.9	1.1	Yes
Eco_126	Dairy Farm Railway Strip, Newark	10	38.7	51.0	52.3	1.3	Yes
Eco_127	Dairy Farm Railway Strip, Newark	10	38.7	48.1	49.4	1.3	Yes
Eco_128	Dairy Farm Railway Strip, Newark	10	38.7	46.4	47.6	1.2	Yes
Eco_129	Dairy Farm Railway Strip, Newark	10	38.7	45.2	46.3	1.1	Yes
Eco_130	Dairy Farm Railway Strip, Newark	10	38.7	44.4	45.4	1.0	Yes
Eco_131	Dairy Farm Railway Strip, Newark	10	38.7	43.8	44.7	1.0	Yes
Eco_132	Dairy Farm Railway Strip, Newark	10	38.7	43.3	44.2	0.9	Yes
Eco_133	Dairy Farm Railway Strip, Newark	10	38.7	42.9	43.7	0.8	Yes
Eco_134	Dairy Farm Railway Strip, Newark	10	38.7	42.6	43.4	0.8	Yes
Eco_135	Dairy Farm Railway Strip, Newark	10	38.7	42.3	43.1	0.7	Yes
Eco_136	Dairy Farm Railway Strip,	10	38.7	42.1	42.8	0.7	Yes

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Newark						
Eco_137	Dairy Farm Railway Strip, Newark	10	38.7	41.9	42.6	0.7	Yes
Eco_138	Dairy Farm Railway Strip, Newark	10	38.7	41.8	42.4	0.6	Yes
Eco_139	Dairy Farm Railway Strip, Newark	10	38.7	41.6	42.2	0.6	Yes
Eco_140	Dairy Farm Railway Strip, Newark	10	38.7	41.5	42.1	0.6	Yes
Eco_141	Dairy Farm Railway Strip, Newark	10	38.7	41.4	41.9	0.5	Yes
Eco_142	Dairy Farm Railway Strip, Newark	10	38.7	41.3	41.8	0.5	Yes
Eco_143	Dairy Farm Railway Strip, Newark	10	38.7	41.2	41.7	0.5	Yes
Eco_144	Dairy Farm Railway Strip, Newark	10	38.7	41.2	41.7	0.5	Yes
Eco_145	Trent Banks / Wharves, Newark	15	21.8	34.5	36.8	2.2	Yes
Eco_146	Trent Banks / Wharves, Newark	15	21.8	27.0	27.8	0.8	Yes
Eco_147	Trent Banks / Wharves, Newark	15	21.8	25.1	25.5	0.4	No
Eco_148	Trent Banks / Wharves, Newark	15	21.8	24.4	24.6	0.2	No
Eco_149	Trent Banks / Wharves, Newark	15	21.8	24.0	24.2	0.1	No
Eco_150	Trent Banks / Wharves, Newark	15	21.8	23.8	23.9	0.1	No
Eco_151	Trent Banks / Wharves, Newark	15	21.8	23.7	23.8	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Newark						
Eco_152	Trent Banks / Wharves, Newark	15	21.8	23.6	23.6	0.0	No
Eco_153	Trent Banks / Wharves, Newark	15	21.8	23.6	23.6	0.0	No
Eco_154	Trent Banks / Wharves, Newark	15	21.8	23.6	23.5	0.0	No
Eco_155	Trent Banks / Wharves, Newark	15	21.8	23.5	23.5	0.0	No
Eco_156	Trent Banks / Wharves, Newark	15	21.8	23.5	23.5	-0.1	No
Eco_157	Trent Banks / Wharves, Newark	15	21.8	23.5	23.4	-0.1	No
Eco_158	Trent Banks / Wharves, Newark	15	21.8	23.5	23.4	-0.1	No
Eco_159	Trent Banks / Wharves, Newark	15	21.8	23.6	23.4	-0.1	No
Eco_160	Trent Banks / Wharves, Newark	15	21.8	23.6	23.4	-0.1	No
Eco_161	Trent Banks / Wharves, Newark	15	21.8	41.4	46.1	4.7	Yes
Eco_162	Trent Banks / Wharves, Newark	15	21.8	30.9	32.9	1.9	Yes
Eco_163	Trent Banks / Wharves, Newark	15	21.8	27.5	28.5	1.1	Yes
Eco_164	Trent Banks / Wharves, Newark	15	21.8	26.1	26.8	0.7	Yes
Eco_165	Trent Banks / Wharves, Newark	15	21.8	25.3	25.9	0.6	Yes
Eco_166	Trent Banks / Wharves, Newark	15	21.8	24.8	25.3	0.5	Yes

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Newark						
Eco_167	Trent Banks / Wharves, Newark	15	21.8	24.5	24.9	0.4	No
Eco_168	Trent Banks / Wharves, Newark	15	21.8	24.3	24.6	0.3	No
Eco_169	Trent Banks / Wharves, Newark	15	21.8	24.1	24.4	0.3	No
Eco_170	Trent Banks / Wharves, Newark	15	21.8	24.0	24.3	0.3	No
Eco_171	Trent Banks / Wharves, Newark	15	21.8	23.9	24.1	0.2	No
Eco_172	Trent Banks / Wharves, Newark	15	21.8	23.8	24.0	0.2	No
Eco_173	Trent Banks / Wharves, Newark	15	21.8	23.8	24.0	0.2	No
Eco_174	Trent Banks / Wharves, Newark	15	21.8	23.7	23.9	0.2	No
Eco_175	Trent Banks / Wharves, Newark	15	21.8	23.7	23.8	0.2	No
Eco_176	Trent Banks / Wharves, Newark	15	21.8	23.6	23.8	0.2	No
Eco_177	Trent Banks / Wharves, Newark	15	21.8	23.6	23.8	0.1	No
Eco_179	Great North Road Grasslands	20	21.8	29.0	28.7	-0.3	No
Eco_180	Great North Road Grasslands	20	21.8	27.1	26.8	-0.3	No
Eco_181	Great North Road Grasslands	20	21.8	26.0	25.9	-0.1	No
Eco_182	Great North Road	20	21.8	25.4	25.4	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Grasslands						
Eco_183	Great North Road Grasslands	20	21.8	25.3	25.3	0.1	No
Eco_184	Great North Road Grasslands	20	21.8	36.6	36.5	-0.1	No
Eco_185	Great North Road Grasslands	20	21.8	34.7	35.3	0.6	Yes
Eco_186	Great North Road Grasslands	20	21.8	33.5	34.6	1.1	Yes
Eco_187	Great North Road Grasslands	20	21.8	32.6	34.0	1.5	Yes
Eco_188	Great North Road Grasslands	20	21.8	31.8	33.5	1.7	Yes
Eco_189	Great North Road Grasslands	20	21.8	31.1	33.0	1.9	Yes
Eco_190	Great North Road Grasslands	20	21.8	30.4	32.4	1.9	Yes
Eco_191	Great North Road Grasslands	20	21.8	29.8	31.6	1.8	Yes
Eco_192	Great North Road Grasslands	20	21.8	29.2	30.7	1.4	Yes
Eco_193	Great North Road Grasslands	20	21.8	28.8	29.8	1.1	Yes
Eco_194	Great North Road Grasslands	20	21.8	28.4	29.4	1.0	Yes
Eco_195	Great North Road Grasslands	20	21.8	28.0	29.1	1.0	Yes
Eco_196	Great North Road Grasslands	20	21.8	27.8	28.9	1.1	Yes
Eco_197	Great North Road	20	21.8	27.6	28.7	1.1	Yes

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Grasslands						
Eco_198	Great North Road Grasslands	20	21.8	27.4	28.6	1.1	Yes
Eco_199	Great North Road Grasslands	20	21.8	27.3	28.5	1.2	Yes
Eco_200	Great North Road Grasslands	20	21.8	27.2	28.4	1.2	Yes
Eco_201	Great North Road Grasslands	20	21.8	27.1	28.3	1.1	Yes
Eco_202	Great North Road Grasslands	20	21.8	27.1	28.2	1.1	Yes
Eco_203	Great North Road Grasslands	20	21.8	28.8	29.5	0.7	Yes
Eco_204	Great North Road Grasslands	20	21.8	27.1	28.0	0.9	Yes
Eco_205	Great North Road Grasslands	20	21.8	27.1	28.4	1.3	Yes
Eco_208	Valley Farm Grassland	20	21.8	28.5	29.0	0.5	Yes
Eco_209	Valley Farm Grassland	20	21.8	26.3	26.7	0.4	Yes
Eco_210	Valley Farm Grassland	20	21.8	25.3	25.7	0.4	No
Eco_211	Valley Farm Grassland	20	21.8	24.8	25.1	0.3	No
Eco_212	Valley Farm Grassland	20	21.8	24.4	24.7	0.3	No
Eco_213	Valley Farm Grassland	20	21.8	24.2	24.4	0.3	No
Eco_214	Valley Farm Grassland	20	21.8	24.0	24.2	0.2	No
Eco_215	Valley Farm Grassland	20	21.8	23.8	24.0	0.2	No
Eco_216	Valley Farm Grassland	20	21.8	23.7	23.9	0.2	No
Eco_217	Valley Farm Grassland	20	21.8	23.5	23.7	0.2	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_218	Valley Farm Grassland	20	21.8	23.5	23.6	0.2	No
Eco_219	Valley Farm Grassland	20	21.8	23.4	23.5	0.2	No
Eco_220	Valley Farm Grassland	20	21.8	23.3	23.5	0.2	No
Eco_221	Valley Farm Grassland	20	21.8	23.2	23.4	0.2	No
Eco_222	Valley Farm Grassland	20	21.8	23.2	23.4	0.2	No
Eco_223	Kelham Road Redoubt Grassland	20	21.8	30.1	30.3	0.3	No
Eco_224	Kelham Road Redoubt Grassland	20	21.8	25.1	25.3	0.2	No
Eco_225	Kelham Road Redoubt Grassland	20	21.8	24.1	24.3	0.2	No
Eco_226	Kelham Road Redoubt Grassland	20	21.8	23.7	23.9	0.2	No
Eco_227	Kelham Road Redoubt Grassland	20	21.8	23.4	23.7	0.2	No
Eco_228	Kelham Road Redoubt Grassland	20	21.8	23.3	23.5	0.2	No
Eco_229	Kelham Road Redoubt Grassland	20	21.8	23.2	23.4	0.2	No
Eco_230	Kelham Road Redoubt Grassland	20	21.8	23.1	23.4	0.2	No
Eco_231	Kelham Road Redoubt Grassland	20	21.8	23.1	23.4	0.2	No
Eco_232	Kelham Road Grassland	20	21.8	29.5	30.1	0.6	Yes
Eco_233	Kelham Road Grassland	20	21.8	26.2	26.5	0.3	No
Eco_234	Kelham Road Grassland	20	21.8	24.9	25.2	0.3	No
Eco_235	Kelham Road Grassland	20	21.8	24.3	24.5	0.2	No
Eco_236	Kelham Road Grassland	20	21.8	23.9	24.1	0.2	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_237	Kelham Road Grassland	20	21.8	23.7	23.8	0.2	No
Eco_238	Kelham Road Grassland	20	21.8	23.5	23.6	0.1	No
Eco_239	Kelham Road Grassland	20	21.8	23.3	23.5	0.1	No
Eco_240	Kelham Road Grassland	20	21.8	23.2	23.3	0.1	No
Eco_241	Kelham Road Grassland	20	21.8	23.1	23.2	0.1	No
Eco_242	Kelham Road Grassland	20	21.8	23.1	23.2	0.1	No
Eco_243	Kelham Road Grassland	20	21.8	23.0	23.1	0.1	No
Eco_244	Kelham Road Grassland	20	21.8	22.9	23.0	0.1	No
Eco_245	Kelham Road Grassland	20	21.8	22.9	23.0	0.1	No
Eco_246	Kelham Road Grassland	20	21.8	22.9	22.9	0.1	No
Eco_247	Kelham Road Grassland	20	21.8	22.8	22.9	0.1	No
Eco_248	Kelham Road Grassland	20	21.8	22.8	22.9	0.1	No
Eco_249	Kelham Road Redoubt	20	21.8	23.7	23.8	0.2	No
Eco_250	Kelham Road Redoubt	20	21.8	23.5	23.6	0.1	No
Eco_251	Kelham Road Redoubt	20	21.8	23.3	23.4	0.1	No
Eco_252	Kelham Road Redoubt	20	21.8	23.2	23.3	0.1	No
Eco_253	Kelham Road Redoubt	20	25.6	26.9	27.0	0.1	No
Eco_254	Kelham Road Redoubt	20	25.6	26.8	26.9	0.1	No
Eco_255	Kelham Road Redoubt	20	25.6	26.7	26.8	0.1	No
Eco_256	Kelham Road Redoubt	20	25.6	26.7	26.8	0.1	No
Eco_257	Kelham Road Redoubt	20	25.6	26.6	26.7	0.1	No
Eco_258	Kelham Road Redoubt	20	25.6	26.6	26.7	0.1	No
Eco_259	Spring Wood, Kelham	10	38.9	45.7	46.8	1.1	Yes
Eco_260	Spring Wood, Kelham	10	38.9	41.9	42.4	0.5	Yes



Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_261	Spring Wood, Kelham	10	38.9	41.0	41.3	0.3	No
Eco_262	Spring Wood, Kelham	10	38.9	40.5	40.8	0.2	No
Eco_263	Spring Wood, Kelham	10	38.9	40.3	40.5	0.2	No
Eco_264	Spring Wood, Kelham	10	38.9	40.1	40.3	0.2	No
Eco_265	Spring Wood, Kelham	10	38.9	40.0	40.1	0.1	No
Eco_266	Spring Wood, Kelham	10	38.9	39.9	40.0	0.1	No
Eco_267	Spring Wood, Kelham	10	38.9	39.8	39.9	0.1	No
Eco_268	Spring Wood, Kelham	10	38.9	39.8	39.9	0.1	No
Eco_269	Spring Wood, Kelham	10	38.9	39.7	39.8	0.1	No
Eco_270	Spring Wood, Kelham	10	38.9	39.7	39.8	0.1	No
Eco_271	Spring Wood, Kelham	10	38.9	39.6	39.7	0.1	No
Eco_272	Spring Wood, Kelham	10	38.9	39.6	39.7	0.1	No
Eco_273	Spring Wood, Kelham	10	38.9	39.6	39.7	0.1	No
Eco_274	Spring Wood, Kelham	10	38.9	39.6	39.7	0.1	No
Eco_276	Great North Road Grasslands	20	21.8	33.0	34.5	1.5	Yes
Eco_277	Great North Road Grasslands	20	21.8	31.4	32.1	0.7	Yes
Eco_278	Great North Road Grasslands	20	21.8	30.6	31.1	0.5	Yes
Eco_279	Great North Road Grasslands	20	21.8	30.1	30.6	0.5	Yes
Eco_280	Great North Road Grasslands	20	21.8	29.7	30.2	0.5	Yes
Eco_281	Great North Road Grasslands	20	21.8	29.4	29.9	0.5	Yes

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_282	Great North Road Grasslands	20	21.8	29.0	29.6	0.6	Yes
Eco_283	Great North Road Grasslands	20	21.8	28.6	29.2	0.6	Yes
Eco_284	Great North Road Grasslands	20	21.8	28.2	28.8	0.6	Yes
Eco_285	Kelham Road Grassland II	20	21.8	27.7	28.3	0.6	Yes
Eco_286	Kelham Road Grassland II	20	21.8	27.2	27.7	0.6	Yes
Eco_287	Kelham Road Grassland II	20	21.8	26.7	27.2	0.5	Yes
Eco_288	Kelham Road Grassland II	20	21.8	26.3	26.7	0.4	Yes
Eco_289	Kelham Road Grassland II	20	21.8	25.9	26.3	0.4	No
Eco_290	Kelham Road Grassland II	20	21.8	25.6	25.9	0.3	No
Eco_291	Kelham Road Grassland II	20	21.8	25.3	25.6	0.3	No
Eco_292	Kelham Road Grassland II	20	21.8	25.1	25.3	0.3	No
Eco_293	Kelham Road Grassland II	20	21.8	24.8	25.1	0.3	No
Eco_294	Kelham Road Grassland II	20	21.8	24.7	24.9	0.2	No
Eco_295	Kelham Road Grassland II	20	21.8	24.6	24.8	0.2	No
Eco_296	Newark Grassland	20	21.8	31.4	32.9	1.5	Yes
Eco_297	Newark Grassland	20	21.8	28.0	29.1	1.1	Yes
Eco_298	Newark Grassland	20	21.8	26.8	27.6	0.8	Yes
Eco_299	Newark Grassland	20	21.8	26.1	26.8	0.7	Yes
Eco_300	Newark Grassland	20	21.8	25.8	26.4	0.6	Yes
Eco_301	Kelham Road Grassland II	20	21.8	28.0	28.7	0.7	Yes
Eco_302	Kelham Road Grassland II	20	21.8	25.8	26.2	0.4	Yes
Eco_303	Kelham Road Grassland II	20	21.8	25.1	25.4	0.3	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_304	Kelham Road Grassland II	20	21.8	24.7	25.0	0.3	No
Eco_305	Kelham Road Grassland II	20	21.8	24.5	24.8	0.3	No
Eco_306	Kelham Road Grassland II	20	21.8	24.4	24.6	0.2	No
Eco_307	Kelham Road Grassland II	20	21.8	24.3	24.5	0.2	No
Eco_308	Kelham Road Grassland II	20	21.8	24.2	24.4	0.2	No
Eco_309	Kelham Road Grassland II	20	21.8	24.2	24.4	0.2	No
Eco_310	Kelham Road Grassland II	20	21.8	24.1	24.3	0.2	No
Eco_311	Kelham Road Grassland II	20	21.8	24.1	24.2	0.2	No
Eco_312	Kelham Road Grassland II	20	21.8	24.0	24.2	0.2	No
Eco_313	Kelham Road Grassland II	20	21.8	24.0	24.1	0.2	No
Eco_314	Kelham Road Grassland II	20	21.8	23.9	24.1	0.2	No
Eco_315	Kelham Road Grassland II	20	21.8	23.9	24.1	0.2	No
Eco_316	Kelham Road Grassland II	20	21.8	23.8	24.0	0.2	No
Eco_317	Kelham Road Grassland II	20	21.8	23.8	24.0	0.2	No
Eco_318	Kelham Road Grassland II	20	21.8	23.8	24.0	0.2	No
Eco_319	Kelham Road Grassland II	20	21.8	23.7	23.9	0.2	No
Eco_320	Kelham Road Grassland II	20	21.8	23.7	23.9	0.2	No
Eco_321	Beacon Hill Gypsum Workings	20	21.9	24.7	24.5	-0.2	No
Eco_322	Beacon Hill Gypsum Workings	20	21.9	24.0	23.9	-0.1	No
Eco_323	Beacon Hill Gypsum Workings	20	21.9	23.7	23.6	-0.1	No
Eco_324	Beacon Hill Gypsum Workings	20	21.9	23.5	23.4	-0.1	No
Eco_325	Beacon Hill Gypsum	20	21.9	23.3	23.2	-0.1	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Workings						
Eco_326	Beacon Hill Gypsum Workings	20	21.9	23.2	23.2	-0.1	No
Eco_327	Beacon Hill Gypsum Workings	20	21.9	23.1	23.1	0.0	No
Eco_328	Beacon Hill Gypsum Workings	20	21.9	23.1	23.0	0.0	No
Eco_329	Beacon Hill Gypsum Workings	20	21.9	23.0	23.0	0.0	No
Eco_330	Beacon Hill Gypsum Workings	20	21.9	23.0	23.0	0.0	No
Eco_331	Beacon Hill Gypsum Workings	20	21.9	23.0	22.9	0.0	No
Eco_332	Beacon Hill Gypsum Workings	20	21.9	22.9	22.9	0.0	No
Eco_333	Newark (Beet Factory) Dismantled Railway	20	21.8	24.1	24.5	0.4	Yes
Eco_334	Newark (Beet Factory) Dismantled Railway	20	21.8	24.2	24.6	0.5	Yes
Eco_335	Newark (Beet Factory) Dismantled Railway	20	21.8	24.1	24.6	0.5	Yes
Eco_336	Newark (Beet Factory) Dismantled Railway	20	21.8	24.1	24.6	0.5	Yes
Eco_337	Newark (Beet Factory) Dismantled Railway	20	21.8	24.0	24.5	0.5	Yes
Eco_338	Newark (Beet Factory) Dismantled Railway	20	21.8	24.0	24.4	0.5	Yes
Eco_339	Newark (Beet Factory) Dismantled Railway	20	21.8	23.9	24.3	0.5	Yes
Eco_340	Newark (Beet Factory)	20	21.8	23.8	24.3	0.4	Yes

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Dismantled Railway						
Eco_341	Newark (Beet Factory) Dismantled Railway	20	21.8	23.8	24.2	0.4	Yes
Eco_342	Newark (Beet Factory) Dismantled Railway	20	21.8	23.7	24.1	0.4	No
Eco_343	Newark (Beet Factory) Dismantled Railway	20	21.8	23.7	24.0	0.4	No
Eco_344	Newark (Beet Factory) Dismantled Railway	20	21.8	23.6	24.0	0.4	No
Eco_345	Newark (Beet Factory) Dismantled Railway	20	21.8	23.6	24.0	0.4	No
Eco_346	Newark Dismantled Railway	10	38.7	41.9	42.4	0.5	Yes
Eco_347	Newark Dismantled Railway	10	38.7	41.8	42.3	0.5	Yes
Eco_348	Newark Dismantled Railway	10	38.7	41.7	42.2	0.4	Yes
Eco_349	Trent Banks / Wharves, Newark	15	23.1	24.9	25.3	0.5	Yes
Eco_350	Trent Banks / Wharves, Newark	15	23.1	24.9	25.4	0.5	Yes
Eco_351	Trent Banks / Wharves, Newark	15	23.1	25.0	25.5	0.5	Yes
Eco_352	Trent Banks / Wharves, Newark	15	23.1	25.1	25.6	0.5	Yes
Eco_353	Trent Banks / Wharves, Newark	15	23.1	25.1	25.6	0.5	Yes
Eco_354	Trent Banks / Wharves, Newark	15	23.1	25.1	25.6	0.5	Yes
Eco_355	Trent Banks / Wharves,	15	23.1	25.1	25.5	0.4	Yes

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Newark						
Eco_356	Trent Banks / Wharves, Newark	15	23.1	25.1	25.5	0.4	Yes
Eco_357	Trent Banks / Wharves, Newark	15	23.1	25.0	25.4	0.4	Yes
Eco_358	Trent Banks / Wharves, Newark	15	23.1	25.0	25.4	0.4	No
Eco_359	Trent Banks / Wharves, Newark	15	23.1	25.0	25.3	0.4	No
Eco_360	The Fleet, South Muskham	15	25.6	38.3	38.1	-0.3	No
Eco_361	The Fleet, South Muskham	15	25.6	33.1	33.0	-0.2	No
Eco_362	The Fleet, South Muskham	15	25.6	48.8	48.0	-0.8	No
Eco_363	The Fleet, South Muskham	15	25.6	38.7	38.3	-0.4	No
Eco_364	The Fleet, South Muskham	15	25.6	34.3	34.0	-0.2	No
Eco_365	The Fleet, South Muskham	15	25.6	32.2	32.0	-0.2	No
Eco_366	The Fleet, South Muskham	15	25.6	30.9	30.8	-0.1	No
Eco_367	The Fleet, South Muskham	15	25.6	30.1	30.0	-0.1	No
Eco_368	The Fleet, South Muskham	15	25.6	30.0	29.9	-0.1	No
Eco_369	Langford Moor Area	10	21.3	22.1	22.2	0.1	No
Eco_370	Langford Moor Area	10	21.3	22.1	22.2	0.1	No
Eco_371	Newark Golf Course	10	21.7	23.3	22.4	-0.9	No
Eco_372	Newark Golf Course	10	21.7	22.6	22.2	-0.4	No
Eco_373	Newark Golf Course	10	21.7	22.3	22.1	-0.2	No
Eco_374	Newark Golf Course	10	21.7	22.2	22.1	-0.2	No
Eco_375	Newark Golf Course	10	21.7	22.2	22.1	-0.1	No
Eco_376	Newark Golf Course	10	21.7	22.2	22.0	-0.1	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_377	Newark Golf Course	10	21.7	22.1	22.0	-0.1	No
Eco_378	Newark Golf Course	10	21.7	22.1	22.0	-0.1	No
Eco_379	Newark Golf Course	10	21.7	22.1	22.0	-0.1	No
Eco_380	Newark Golf Course	10	21.7	22.1	22.0	-0.1	No
Eco_381	Newark Golf Course	10	21.7	22.1	22.0	-0.1	No
Eco_382	Newark Golf Course	10	21.7	22.1	22.0	-0.1	No
Eco_383	Newark Golf Course	10	21.7	22.1	22.0	0.0	No
Eco_384	Newark Golf Course	10	21.7	22.1	22.0	0.0	No
Eco_385	Newark Golf Course	10	21.7	22.0	22.0	0.0	No
Eco_386	Newark Golf Course	10	21.7	22.0	22.0	0.0	No
Eco_387	Newark Golf Course	10	21.7	22.0	22.0	0.0	No
Eco_388	Newark Golf Course	10	21.7	22.0	22.0	0.0	No
Eco_389	Newark Golf Course	10	21.7	22.0	22.0	0.0	No
Eco_390	Newark Golf Course	10	21.7	22.0	22.0	0.0	No
Eco_391	Newark Golf Course	10	21.7	22.0	22.0	0.0	No
Eco_392	South Scaffold Lane, Collingham	10	36.7	45.5	46.1	0.5	Yes
Eco_393	South Scaffold Lane, Collingham	10	36.7	43.8	44.2	0.4	Yes
Eco_394	South Scaffold Lane, Collingham	10	36.7	42.7	43.0	0.4	No
Eco_395	South Scaffold Lane, Collingham	10	36.7	41.9	42.2	0.3	No
Eco_396	South Scaffold Lane, Collingham	10	36.7	41.3	41.6	0.3	No
Eco_397	South Scaffold Lane,	10	36.7	40.8	41.1	0.3	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Collingham						
Eco_398	South Scaffold Lane, Collingham	10	36.7	40.5	40.7	0.2	No
Eco_399	South Scaffold Lane, Collingham	10	36.7	40.1	40.4	0.2	No
Eco_400	South Scaffold Lane, Collingham	10	36.7	39.9	40.1	0.2	No
Eco_401	South Scaffold Lane, Collingham	10	36.7	39.7	39.9	0.2	No
Eco_402	South Scaffold Lane, Collingham	10	36.7	39.5	39.7	0.2	No
Eco_403	South Scaffold Lane, Collingham	10	36.7	39.3	39.5	0.2	No
Eco_404	South Scaffold Lane, Collingham	10	36.7	39.2	39.4	0.2	No
Eco_405	South Scaffold Lane, Collingham	10	36.7	39.1	39.2	0.1	No
Eco_406	South Scaffold Lane, Collingham	10	36.7	39.0	39.1	0.1	No
Eco_407	South Scaffold Lane, Collingham	10	36.7	38.9	39.0	0.1	No
Eco_408	South Scaffold Lane, Collingham	10	36.7	38.8	38.9	0.1	No
Eco_409	South Scaffold Lane, Collingham	10	36.7	38.7	38.8	0.1	No
Eco_410	South Scaffold Lane, Collingham	10	36.7	38.7	38.8	0.1	No
Eco_411	Potter Hill Plantation	10	36.7	40.8	41.1	0.3	No
Eco_412	Potter Hill Plantation	10	36.7	40.4	40.6	0.2	No
Eco_413	Potter Hill Plantation	10	36.7	40.1	40.3	0.2	No



Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_414	Potter Hill Plantation	10	36.7	39.8	40.0	0.2	No
Eco_415	Potter Hill Plantation	10	36.7	39.5	39.7	0.2	No
Eco_416	Potter Hill Plantation	10	36.7	39.3	39.5	0.2	No
Eco_417	Potter Hill Plantation	10	36.7	39.2	39.3	0.2	No
Eco_418	Potter Hill Plantation	10	36.7	39.0	39.2	0.1	No
Eco_419	Potter Hill Plantation	10	36.7	38.9	39.0	0.1	No
Eco_420	Potter Hill Plantation	10	36.7	38.8	38.9	0.1	No
Eco_421	Potter Hill Plantation	10	36.7	38.7	38.8	0.1	No
Eco_422	Potter Hill Plantation	10	36.7	38.6	38.7	0.1	No
Eco_423	Potter Hill Plantation	10	36.7	38.5	38.6	0.1	No
Eco_424	Potter Hill Plantation	10	36.7	38.5	38.6	0.1	No
Eco_425	Hill Holt	10	36.7	42.9	43.2	0.4	No
Eco_426	Hill Holt	10	36.7	41.7	42.0	0.3	No
Eco_427	Hill Holt	10	36.7	40.9	41.2	0.3	No
Eco_428	Hill Holt	10	36.7	40.4	40.6	0.2	No
Eco_429	Hill Holt	10	36.7	40.0	40.2	0.2	No
Eco_430	Hill Holt	10	36.7	39.7	39.8	0.2	No
Eco_431	Hill Holt	10	36.7	39.4	39.6	0.2	No
Eco_432	Hill Holt	10	36.7	39.2	39.4	0.2	No
Eco_433	Hill Holt	10	36.7	39.0	39.2	0.1	No
Eco_434	Hill Holt	10	36.7	38.9	39.0	0.1	No
Eco_435	Hill Holt	10	36.7	38.8	38.9	0.1	No
Eco_436	Hill Holt	10	36.7	38.6	38.8	0.1	No
Eco_437	Hill Holt	10	36.7	38.5	38.7	0.1	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - with NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_438	Hill Holt	10	36.7	38.5	38.6	0.1	No
VT_01	Veteran tree close to St Nicholas's Church	10	38.9	39.8	39.8	0.0	No
VT_02	Veteran tree close to Great North Road 2	10	38.7	44.0	44.4	0.4	No
VT_03	Veteran tree close to Great North Road 1	10	38.7	43.3	43.9	0.6	Yes
VT_04	Veteran tree close to Great North Road 3	10	38.7	43.1	43.8	0.7	Yes
VT_05	Veteran tree close to Winthorpe Service Area	10	40.9	49.2	49.0	-0.2	No
VT_06	Veteran tree close to The Grange	10	45.3	48.4	48.4	0.0	No
VT_07	Veteran tree close to Beaconsfield Drive	10	38.9	41.8	41.7	-0.1	No
VT_08	Veteran tree close to the east of Gainsborough Road	10	40.9	43.7	43.9	0.2	No

**Table 1-3: Nitrogen deposition results at modelled ecology receptors without contributions of ammonia emissions from traffic**

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_01	Flintham Park	10	36.3	42.2	42.7	0.5	Yes
Eco_02	Flintham Park	10	36.3	39.9	40.2	0.3	No
Eco_03	Flintham Park	10	36.3	38.9	39.1	0.2	No
Eco_04	Flintham Park	10	36.3	38.4	38.5	0.2	No
Eco_05	Flintham Park	10	36.3	38.0	38.2	0.1	No
Eco_06	Flintham Park	10	36.3	37.8	37.9	0.1	No
Eco_07	Flintham Park	10	36.3	37.6	37.7	0.1	No
Eco_08	Flintham Park	10	36.3	37.4	37.5	0.1	No
Eco_09	Flintham Park	10	36.3	37.3	37.4	0.1	No
Eco_10	Flintham Park	10	36.3	37.2	37.3	0.1	No
Eco_11	Flintham Park	10	36.3	37.2	37.2	0.1	No
Eco_12	Flintham Park	10	36.3	37.1	37.2	0.1	No
Eco_13	Flintham Park	10	36.3	37.0	37.1	0.1	No
Eco_14	Flintham Park	10	36.3	37.0	37.1	0.1	No
Eco_15	Flintham Park	10	36.3	37.0	37.0	0.1	No
Eco_16	Flintham Park	10	36.3	36.9	37.0	0.1	No
Eco_17	Flintham Park	10	36.3	36.9	36.9	0.1	No
Eco_18	Flintham Park	10	36.3	36.8	36.9	0.1	No
Eco_19	Flintham Park	10	36.3	36.8	36.9	0.0	No
Eco_20	Coneygre Wood	10	36.3	38.6	38.8	0.2	No
Eco_21	Coneygre Wood	10	36.3	38.1	38.2	0.2	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_22	Coneygre Wood	10	36.3	37.7	37.8	0.1	No
Eco_23	Coneygre Wood	10	36.3	37.5	37.6	0.1	No
Eco_24	Coneygre Wood	10	36.3	37.3	37.4	0.1	No
Eco_25	Coneygre Wood	10	36.3	37.2	37.3	0.1	No
Eco_26	Coneygre Wood	10	36.3	37.1	37.2	0.1	No
Eco_27	Coneygre Wood	10	36.3	37.0	37.1	0.1	No
Eco_28	Coneygre Wood	10	36.3	37.0	37.0	0.1	No
Eco_29	Coneygre Wood	10	36.3	36.9	37.0	0.1	No
Eco_30	Coneygre Wood	10	36.3	36.9	36.9	0.1	No
Eco_31	Coneygre Wood	10	36.3	36.8	36.9	0.0	No
Eco_32	Coneygre Wood	10	36.3	36.8	36.8	0.0	No
Eco_33	Coneygre Wood	10	36.3	36.8	36.8	0.0	No
Eco_34	Coneygre Wood	10	36.3	36.7	36.8	0.0	No
Eco_35	Coneygre Wood	10	36.3	36.7	36.7	0.0	No
Eco_36	Coneygre Wood	10	36.3	36.7	36.7	0.0	No
Eco_37	Newark Trent Grassland	20	21.8	22.0	22.0	0.0	No
Eco_38	Newark Trent Grassland	20	21.8	22.0	22.0	0.0	No
Eco_39	Newark Trent Grassland	20	21.8	22.0	22.0	0.0	No
Eco_40	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.0	22.0	-0.1	No
Eco_41	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.0	22.0	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_42	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.0	22.0	0.0	No
Eco_43	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.0	22.0	0.0	No
Eco_44	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.0	21.9	0.0	No
Eco_45	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	22.0	21.9	0.0	No
Eco_46	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	21.9	21.9	0.0	No
Eco_47	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	21.9	21.9	0.0	No
Eco_48	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	21.9	21.9	0.0	No
Eco_49	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	21.9	21.9	0.0	No
Eco_50	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	21.9	21.9	0.0	No
Eco_51	Devon Park Pastures, Devon Park, Newark, Queen's Sconce, Newark	20	21.8	21.9	21.9	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_52	Queen's Sconce, Newark	10	21.8	22.0	21.9	0.0	No
Eco_53	Queen's Sconce, Newark	10	21.8	21.9	21.9	0.0	No
Eco_54	Queen's Sconce, Newark	10	21.8	21.9	21.9	0.0	No
Eco_55	Queen's Sconce, Newark	10	21.8	21.9	21.9	0.0	No
Eco_56	Queen's Sconce, Newark	10	21.8	21.9	21.9	0.0	No
Eco_57	Queen's Sconce, Newark	10	21.8	21.9	21.9	0.0	No
Eco_58	Queen's Sconce, Newark	10	21.8	21.9	21.9	0.0	No
Eco_59	Queen's Sconce, Newark	10	21.8	21.9	21.9	0.0	No
Eco_60	Balderton Dismantled Railway South	20	21.9	23.4	23.1	-0.3	No
Eco_61	Balderton Dismantled Railway South	20	21.9	22.5	22.4	-0.1	No
Eco_62	Balderton Dismantled Railway South	20	21.9	22.3	22.3	-0.1	No
Eco_63	Balderton Dismantled Railway South	20	21.9	22.2	22.2	0.0	No
Eco_64	Balderton Dismantled Railway South	20	21.9	22.2	22.1	0.0	No
Eco_65	Balderton Dismantled Railway South	20	21.9	22.1	22.1	0.0	No
Eco_66	Balderton Dismantled Railway South	20	21.9	22.1	22.1	0.0	No
Eco_67	Balderton Dismantled Railway South	20	21.9	22.1	22.1	0.0	No
Eco_68	Balderton Dismantled Railway South	20	21.9	22.1	22.1	0.0	No
Eco_69	Balderton Dismantled	20	21.9	22.1	22.1	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Railway South						
Eco_70	Balderton Dismantled Railway South	20	21.9	22.1	22.0	0.0	No
Eco_71	Balderton Dismantled Railway South	20	21.9	22.1	22.0	0.0	No
Eco_72	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No
Eco_73	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No
Eco_74	Balderton Dismantled Railway South	20	21.9	22.9	22.7	-0.2	No
Eco_75	Balderton Dismantled Railway South	20	21.9	22.3	22.2	-0.1	No
Eco_76	Balderton Dismantled Railway South	20	21.9	22.2	22.1	0.0	No
Eco_77	Balderton Dismantled Railway South	20	21.9	22.1	22.1	0.0	No
Eco_78	Balderton Dismantled Railway South	20	21.9	22.1	22.1	0.0	No
Eco_79	Balderton Dismantled Railway South	20	21.9	22.1	22.0	0.0	No
Eco_80	Balderton Dismantled Railway South	20	21.9	22.1	22.0	0.0	No
Eco_81	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No
Eco_82	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No
Eco_83	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_84	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No
Eco_85	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No
Eco_86	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No
Eco_87	Balderton Dismantled Railway South	20	21.9	22.0	22.0	0.0	No
Eco_88	Lowfield Grassland, Balderton	20	21.9	22.7	22.6	-0.1	No
Eco_89	Lowfield Grassland, Balderton	20	21.9	22.2	22.2	0.0	No
Eco_90	Lowfield Grassland, Balderton	20	21.9	22.1	22.1	0.0	No
Eco_91	Lowfield Grassland, Balderton	20	21.9	22.1	22.1	0.0	No
Eco_92	Lowfield Grassland, Balderton	20	21.9	22.1	22.1	0.0	No
Eco_93	Lowfield Grassland, Balderton	20	21.9	22.1	22.0	0.0	No
Eco_94	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No
Eco_95	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No
Eco_96	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No
Eco_97	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No
Eco_98	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No



Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_99	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No
Eco_100	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No
Eco_101	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No
Eco_102	Lowfield Grassland, Balderton	20	21.9	22.0	22.0	0.0	No
Eco_106	Dairy Farm Railway Strip, Newark	10	38.7	40.7	42.6	1.9	Yes
Eco_107	Dairy Farm Railway Strip, Newark	10	38.7	40.3	41.5	1.1	Yes
Eco_108	Dairy Farm Railway Strip, Newark	10	38.7	40.1	40.9	0.8	Yes
Eco_109	Dairy Farm Railway Strip, Newark	10	38.7	39.9	40.5	0.6	Yes
Eco_110	Dairy Farm Railway Strip, Newark	10	38.7	39.8	40.3	0.5	Yes
Eco_111	Dairy Farm Railway Strip, Newark	10	38.7	39.7	40.1	0.4	Yes
Eco_112	Dairy Farm Railway Strip, Newark	10	38.7	39.6	40.0	0.4	No
Eco_113	Dairy Farm Railway Strip, Newark	10	38.7	39.5	39.8	0.3	No
Eco_114	Dairy Farm Railway Strip, Newark	10	38.7	39.5	39.7	0.3	No
Eco_115	Dairy Farm Railway Strip, Newark	10	38.7	39.4	39.7	0.2	No
Eco_116	Dairy Farm Railway Strip, Newark	10	38.7	39.4	39.6	0.2	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_117	Dairy Farm Railway Strip, Newark	10	38.7	39.3	39.5	0.2	No
Eco_118	Dairy Farm Railway Strip, Newark	10	38.7	39.3	39.5	0.2	No
Eco_119	Dairy Farm Railway Strip, Newark	10	38.7	39.3	39.4	0.2	No
Eco_120	Dairy Farm Railway Strip, Newark	10	38.7	39.3	39.4	0.2	No
Eco_121	Dairy Farm Railway Strip, Newark	10	38.7	39.2	39.4	0.1	No
Eco_122	Dairy Farm Railway Strip, Newark	10	38.7	39.2	39.4	0.1	No
Eco_123	Dairy Farm Railway Strip, Newark	10	38.7	39.2	39.3	0.1	No
Eco_124	Dairy Farm Railway Strip, Newark	10	38.7	45.0	45.1	0.1	No
Eco_125	Dairy Farm Railway Strip, Newark	10	38.7	43.2	43.4	0.2	No
Eco_126	Dairy Farm Railway Strip, Newark	10	38.7	41.8	42.1	0.3	No
Eco_127	Dairy Farm Railway Strip, Newark	10	38.7	41.1	41.4	0.3	No
Eco_128	Dairy Farm Railway Strip, Newark	10	38.7	40.7	41.0	0.3	No
Eco_129	Dairy Farm Railway Strip, Newark	10	38.7	40.4	40.7	0.3	No
Eco_130	Dairy Farm Railway Strip, Newark	10	38.7	40.2	40.4	0.3	No
Eco_131	Dairy Farm Railway Strip, Newark	10	38.7	40.0	40.3	0.2	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_132	Dairy Farm Railway Strip, Newark	10	38.7	39.9	40.1	0.2	No
Eco_133	Dairy Farm Railway Strip, Newark	10	38.7	39.8	40.0	0.2	No
Eco_134	Dairy Farm Railway Strip, Newark	10	38.7	39.7	39.9	0.2	No
Eco_135	Dairy Farm Railway Strip, Newark	10	38.7	39.7	39.8	0.2	No
Eco_136	Dairy Farm Railway Strip, Newark	10	38.7	39.6	39.8	0.2	No
Eco_137	Dairy Farm Railway Strip, Newark	10	38.7	39.6	39.7	0.2	No
Eco_138	Dairy Farm Railway Strip, Newark	10	38.7	39.5	39.7	0.2	No
Eco_139	Dairy Farm Railway Strip, Newark	10	38.7	39.5	39.6	0.2	No
Eco_140	Dairy Farm Railway Strip, Newark	10	38.7	39.5	39.6	0.1	No
Eco_141	Dairy Farm Railway Strip, Newark	10	38.7	39.4	39.6	0.1	No
Eco_142	Dairy Farm Railway Strip, Newark	10	38.7	39.4	39.5	0.1	No
Eco_143	Dairy Farm Railway Strip, Newark	10	38.7	39.4	39.5	0.1	No
Eco_144	Dairy Farm Railway Strip, Newark	10	38.7	39.4	39.5	0.1	No
Eco_145	Trent Banks / Wharves, Newark	15	21.8	24.0	24.3	0.4	No
Eco_146	Trent Banks / Wharves, Newark	15	21.8	22.7	22.9	0.1	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_147	Trent Banks / Wharves, Newark	15	21.8	22.4	22.4	0.1	No
Eco_148	Trent Banks / Wharves, Newark	15	21.8	22.2	22.3	0.0	No
Eco_149	Trent Banks / Wharves, Newark	15	21.8	22.2	22.2	0.0	No
Eco_150	Trent Banks / Wharves, Newark	15	21.8	22.2	22.2	0.0	No
Eco_151	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_152	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_153	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_154	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_155	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_156	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_157	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_158	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_159	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_160	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_161	Trent Banks / Wharves, Newark	15	21.8	25.1	25.8	0.7	Yes

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_162	Trent Banks / Wharves, Newark	15	21.8	23.4	23.7	0.3	No
Eco_163	Trent Banks / Wharves, Newark	15	21.8	22.8	23.0	0.2	No
Eco_164	Trent Banks / Wharves, Newark	15	21.8	22.5	22.7	0.1	No
Eco_165	Trent Banks / Wharves, Newark	15	21.8	22.4	22.5	0.1	No
Eco_166	Trent Banks / Wharves, Newark	15	21.8	22.3	22.4	0.1	No
Eco_167	Trent Banks / Wharves, Newark	15	21.8	22.3	22.3	0.1	No
Eco_168	Trent Banks / Wharves, Newark	15	21.8	22.2	22.3	0.1	No
Eco_169	Trent Banks / Wharves, Newark	15	21.8	22.2	22.3	0.1	No
Eco_170	Trent Banks / Wharves, Newark	15	21.8	22.2	22.2	0.0	No
Eco_171	Trent Banks / Wharves, Newark	15	21.8	22.2	22.2	0.0	No
Eco_172	Trent Banks / Wharves, Newark	15	21.8	22.1	22.2	0.0	No
Eco_173	Trent Banks / Wharves, Newark	15	21.8	22.1	22.2	0.0	No
Eco_174	Trent Banks / Wharves, Newark	15	21.8	22.1	22.2	0.0	No
Eco_175	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_176	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_177	Trent Banks / Wharves, Newark	15	21.8	22.1	22.1	0.0	No
Eco_179	Great North Road Grasslands	20	21.8	23.1	23.0	-0.1	No
Eco_180	Great North Road Grasslands	20	21.8	22.8	22.7	-0.1	No
Eco_181	Great North Road Grasslands	20	21.8	22.6	22.5	0.0	No
Eco_182	Great North Road Grasslands	20	21.8	22.5	22.5	0.0	No
Eco_183	Great North Road Grasslands	20	21.8	22.4	22.4	0.0	No
Eco_184	Great North Road Grasslands	20	21.8	24.3	24.3	0.0	No
Eco_185	Great North Road Grasslands	20	21.8	24.0	24.1	0.1	No
Eco_186	Great North Road Grasslands	20	21.8	23.8	24.0	0.2	No
Eco_187	Great North Road Grasslands	20	21.8	23.7	23.9	0.2	No
Eco_188	Great North Road Grasslands	20	21.8	23.6	23.9	0.3	No
Eco_189	Great North Road Grasslands	20	21.8	23.5	23.8	0.3	No
Eco_190	Great North Road Grasslands	20	21.8	23.3	23.7	0.3	No
Eco_191	Great North Road Grasslands	20	21.8	23.2	23.6	0.3	No
Eco_192	Great North Road Grasslands	20	21.8	23.2	23.4	0.3	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_193	Great North Road Grasslands	20	21.8	23.1	23.3	0.2	No
Eco_194	Great North Road Grasslands	20	21.8	23.0	23.2	0.2	No
Eco_195	Great North Road Grasslands	20	21.8	23.0	23.1	0.2	No
Eco_196	Great North Road Grasslands	20	21.8	22.9	23.1	0.2	No
Eco_197	Great North Road Grasslands	20	21.8	22.9	23.1	0.2	No
Eco_198	Great North Road Grasslands	20	21.8	22.9	23.1	0.2	No
Eco_199	Great North Road Grasslands	20	21.8	22.8	23.1	0.2	No
Eco_200	Great North Road Grasslands	20	21.8	22.8	23.0	0.2	No
Eco_201	Great North Road Grasslands	20	21.8	22.8	23.0	0.2	No
Eco_202	Great North Road Grasslands	20	21.8	22.8	23.0	0.2	No
Eco_203	Great North Road Grasslands	20	21.8	23.1	23.2	0.1	No
Eco_204	Great North Road Grasslands	20	21.8	22.8	23.0	0.2	No
Eco_205	Great North Road Grasslands	20	21.8	22.8	23.0	0.2	No
Eco_208	Valley Farm Grassland	20	21.8	23.1	23.2	0.1	No
Eco_209	Valley Farm Grassland	20	21.8	22.6	22.7	0.1	No
Eco_210	Valley Farm Grassland	20	21.8	22.5	22.5	0.1	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_211	Valley Farm Grassland	20	21.8	22.4	22.4	0.1	No
Eco_212	Valley Farm Grassland	20	21.8	22.3	22.3	0.1	No
Eco_213	Valley Farm Grassland	20	21.8	22.2	22.3	0.0	No
Eco_214	Valley Farm Grassland	20	21.8	22.2	22.2	0.0	No
Eco_215	Valley Farm Grassland	20	21.8	22.2	22.2	0.0	No
Eco_216	Valley Farm Grassland	20	21.8	22.1	22.2	0.0	No
Eco_217	Valley Farm Grassland	20	21.8	22.1	22.1	0.0	No
Eco_218	Valley Farm Grassland	20	21.8	22.1	22.1	0.0	No
Eco_219	Valley Farm Grassland	20	21.8	22.1	22.1	0.0	No
Eco_220	Valley Farm Grassland	20	21.8	22.1	22.1	0.0	No
Eco_221	Valley Farm Grassland	20	21.8	22.0	22.1	0.0	No
Eco_222	Valley Farm Grassland	20	21.8	22.0	22.1	0.0	No
Eco_223	Kelham Road Redoubt Grassland	20	21.8	23.4	23.4	0.0	No
Eco_224	Kelham Road Redoubt Grassland	20	21.8	22.4	22.5	0.0	No
Eco_225	Kelham Road Redoubt Grassland	20	21.8	22.2	22.3	0.0	No
Eco_226	Kelham Road Redoubt Grassland	20	21.8	22.1	22.2	0.0	No
Eco_227	Kelham Road Redoubt Grassland	20	21.8	22.1	22.1	0.0	No
Eco_228	Kelham Road Redoubt Grassland	20	21.8	22.1	22.1	0.0	No
Eco_229	Kelham Road Redoubt Grassland	20	21.8	22.0	22.1	0.0	No



Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_230	Kelham Road Redoubt Grassland	20	21.8	22.0	22.1	0.0	No
Eco_231	Kelham Road Redoubt Grassland	20	21.8	22.0	22.1	0.0	No
Eco_232	Kelham Road Grassland	20	21.8	23.3	23.4	0.1	No
Eco_233	Kelham Road Grassland	20	21.8	22.6	22.7	0.1	No
Eco_234	Kelham Road Grassland	20	21.8	22.4	22.4	0.0	No
Eco_235	Kelham Road Grassland	20	21.8	22.3	22.3	0.0	No
Eco_236	Kelham Road Grassland	20	21.8	22.2	22.2	0.0	No
Eco_237	Kelham Road Grassland	20	21.8	22.1	22.2	0.0	No
Eco_238	Kelham Road Grassland	20	21.8	22.1	22.1	0.0	No
Eco_239	Kelham Road Grassland	20	21.8	22.1	22.1	0.0	No
Eco_240	Kelham Road Grassland	20	21.8	22.1	22.1	0.0	No
Eco_241	Kelham Road Grassland	20	21.8	22.0	22.1	0.0	No
Eco_242	Kelham Road Grassland	20	21.8	22.0	22.0	0.0	No
Eco_243	Kelham Road Grassland	20	21.8	22.0	22.0	0.0	No
Eco_244	Kelham Road Grassland	20	21.8	22.0	22.0	0.0	No
Eco_245	Kelham Road Grassland	20	21.8	22.0	22.0	0.0	No
Eco_246	Kelham Road Grassland	20	21.8	22.0	22.0	0.0	No
Eco_247	Kelham Road Grassland	20	21.8	22.0	22.0	0.0	No
Eco_248	Kelham Road Grassland	20	21.8	22.0	22.0	0.0	No
Eco_249	Kelham Road Redoubt	20	21.8	22.1	22.2	0.0	No
Eco_250	Kelham Road Redoubt	20	21.8	22.1	22.1	0.0	No
Eco_251	Kelham Road Redoubt	20	21.8	22.1	22.1	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_252	Kelham Road Redoubt	20	21.8	22.0	22.1	0.0	No
Eco_253	Kelham Road Redoubt	20	25.6	25.8	25.8	0.0	No
Eco_254	Kelham Road Redoubt	20	25.6	25.8	25.8	0.0	No
Eco_255	Kelham Road Redoubt	20	25.6	25.8	25.8	0.0	No
Eco_256	Kelham Road Redoubt	20	25.6	25.8	25.8	0.0	No
Eco_257	Kelham Road Redoubt	20	25.6	25.8	25.8	0.0	No
Eco_258	Kelham Road Redoubt	20	25.6	25.8	25.8	0.0	No
Eco_259	Spring Wood, Kelham	10	38.9	40.7	40.9	0.3	No
Eco_260	Spring Wood, Kelham	10	38.9	39.7	39.8	0.1	No
Eco_261	Spring Wood, Kelham	10	38.9	39.5	39.5	0.1	No
Eco_262	Spring Wood, Kelham	10	38.9	39.3	39.4	0.1	No
Eco_263	Spring Wood, Kelham	10	38.9	39.3	39.3	0.0	No
Eco_264	Spring Wood, Kelham	10	38.9	39.2	39.3	0.0	No
Eco_265	Spring Wood, Kelham	10	38.9	39.2	39.2	0.0	No
Eco_266	Spring Wood, Kelham	10	38.9	39.2	39.2	0.0	No
Eco_267	Spring Wood, Kelham	10	38.9	39.2	39.2	0.0	No
Eco_268	Spring Wood, Kelham	10	38.9	39.1	39.2	0.0	No
Eco_269	Spring Wood, Kelham	10	38.9	39.1	39.2	0.0	No
Eco_270	Spring Wood, Kelham	10	38.9	39.1	39.1	0.0	No
Eco_271	Spring Wood, Kelham	10	38.9	39.1	39.1	0.0	No
Eco_272	Spring Wood, Kelham	10	38.9	39.1	39.1	0.0	No
Eco_273	Spring Wood, Kelham	10	38.9	39.1	39.1	0.0	No
Eco_274	Spring Wood, Kelham	10	38.9	39.1	39.1	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_276	Great North Road Grasslands	20	21.8	23.8	24.0	0.3	No
Eco_277	Great North Road Grasslands	20	21.8	23.5	23.6	0.1	No
Eco_278	Great North Road Grasslands	20	21.8	23.4	23.4	0.1	No
Eco_279	Great North Road Grasslands	20	21.8	23.3	23.4	0.1	No
Eco_280	Great North Road Grasslands	20	21.8	23.2	23.3	0.1	No
Eco_281	Great North Road Grasslands	20	21.8	23.1	23.2	0.1	No
Eco_282	Great North Road Grasslands	20	21.8	23.1	23.2	0.1	No
Eco_283	Great North Road Grasslands	20	21.8	23.0	23.1	0.1	No
Eco_284	Great North Road Grasslands	20	21.8	22.9	23.0	0.1	No
Eco_285	Kelham Road Grassland II	20	21.8	22.9	23.0	0.1	No
Eco_286	Kelham Road Grassland II	20	21.8	22.8	22.9	0.1	No
Eco_287	Kelham Road Grassland II	20	21.8	22.7	22.8	0.1	No
Eco_288	Kelham Road Grassland II	20	21.8	22.6	22.7	0.1	No
Eco_289	Kelham Road Grassland II	20	21.8	22.5	22.6	0.1	No
Eco_290	Kelham Road Grassland II	20	21.8	22.5	22.6	0.1	No
Eco_291	Kelham Road Grassland II	20	21.8	22.4	22.5	0.1	No
Eco_292	Kelham Road Grassland II	20	21.8	22.4	22.4	0.1	No
Eco_293	Kelham Road Grassland II	20	21.8	22.4	22.4	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_294	Kelham Road Grassland II	20	21.8	22.3	22.4	0.0	No
Eco_295	Kelham Road Grassland II	20	21.8	22.3	22.3	0.0	No
Eco_296	Newark Grassland	20	21.8	23.6	23.8	0.3	No
Eco_297	Newark Grassland	20	21.8	22.9	23.1	0.2	No
Eco_298	Newark Grassland	20	21.8	22.7	22.9	0.2	No
Eco_299	Newark Grassland	20	21.8	22.6	22.7	0.1	No
Eco_300	Newark Grassland	20	21.8	22.5	22.6	0.1	No
Eco_301	Kelham Road Grassland II	20	21.8	22.9	23.1	0.1	No
Eco_302	Kelham Road Grassland II	20	21.8	22.5	22.6	0.1	No
Eco_303	Kelham Road Grassland II	20	21.8	22.4	22.5	0.1	No
Eco_304	Kelham Road Grassland II	20	21.8	22.3	22.4	0.1	No
Eco_305	Kelham Road Grassland II	20	21.8	22.3	22.3	0.0	No
Eco_306	Kelham Road Grassland II	20	21.8	22.3	22.3	0.0	No
Eco_307	Kelham Road Grassland II	20	21.8	22.2	22.3	0.0	No
Eco_308	Kelham Road Grassland II	20	21.8	22.2	22.3	0.0	No
Eco_309	Kelham Road Grassland II	20	21.8	22.2	22.3	0.0	No
Eco_310	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No
Eco_311	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No
Eco_312	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No
Eco_313	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No
Eco_314	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No
Eco_315	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No
Eco_316	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_317	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No
Eco_318	Kelham Road Grassland II	20	21.8	22.2	22.2	0.0	No
Eco_319	Kelham Road Grassland II	20	21.8	22.1	22.2	0.0	No
Eco_320	Kelham Road Grassland II	20	21.8	22.1	22.2	0.0	No
Eco_321	Beacon Hill Gypsum Workings	20	21.9	22.4	22.4	0.0	No
Eco_322	Beacon Hill Gypsum Workings	20	21.9	22.3	22.3	0.0	No
Eco_323	Beacon Hill Gypsum Workings	20	21.9	22.3	22.2	0.0	No
Eco_324	Beacon Hill Gypsum Workings	20	21.9	22.2	22.2	0.0	No
Eco_325	Beacon Hill Gypsum Workings	20	21.9	22.2	22.2	0.0	No
Eco_326	Beacon Hill Gypsum Workings	20	21.9	22.2	22.1	0.0	No
Eco_327	Beacon Hill Gypsum Workings	20	21.9	22.1	22.1	0.0	No
Eco_328	Beacon Hill Gypsum Workings	20	21.9	22.1	22.1	0.0	No
Eco_329	Beacon Hill Gypsum Workings	20	21.9	22.1	22.1	0.0	No
Eco_330	Beacon Hill Gypsum Workings	20	21.9	22.1	22.1	0.0	No
Eco_331	Beacon Hill Gypsum Workings	20	21.9	22.1	22.1	0.0	No
Eco_332	Beacon Hill Gypsum Workings	20	21.9	22.1	22.1	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_333	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.3	0.1	No
Eco_334	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.3	0.1	No
Eco_335	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.3	0.1	No
Eco_336	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.3	0.1	No
Eco_337	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.3	0.1	No
Eco_338	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.3	0.1	No
Eco_339	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.3	0.1	No
Eco_340	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.3	0.1	No
Eco_341	Newark (Beet Factory) Dismantled Railway	20	21.8	22.2	22.2	0.1	No
Eco_342	Newark (Beet Factory) Dismantled Railway	20	21.8	22.1	22.2	0.1	No
Eco_343	Newark (Beet Factory) Dismantled Railway	20	21.8	22.1	22.2	0.1	No
Eco_344	Newark (Beet Factory) Dismantled Railway	20	21.8	22.1	22.2	0.1	No
Eco_345	Newark (Beet Factory) Dismantled Railway	20	21.8	22.1	22.2	0.1	No
Eco_346	Newark Dismantled Railway	10	38.7	39.5	39.7	0.1	No
Eco_347	Newark Dismantled Railway	10	38.7	39.5	39.6	0.1	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_348	Newark Dismantled Railway	10	38.7	39.5	39.6	0.1	No
Eco_349	Trent Banks / Wharves, Newark	15	23.1	23.4	23.5	0.1	No
Eco_350	Trent Banks / Wharves, Newark	15	23.1	23.4	23.5	0.1	No
Eco_351	Trent Banks / Wharves, Newark	15	23.1	23.4	23.5	0.1	No
Eco_352	Trent Banks / Wharves, Newark	15	23.1	23.4	23.5	0.1	No
Eco_353	Trent Banks / Wharves, Newark	15	23.1	23.5	23.5	0.1	No
Eco_354	Trent Banks / Wharves, Newark	15	23.1	23.5	23.5	0.1	No
Eco_355	Trent Banks / Wharves, Newark	15	23.1	23.5	23.5	0.1	No
Eco_356	Trent Banks / Wharves, Newark	15	23.1	23.5	23.5	0.1	No
Eco_357	Trent Banks / Wharves, Newark	15	23.1	23.4	23.5	0.1	No
Eco_358	Trent Banks / Wharves, Newark	15	23.1	23.4	23.5	0.1	No
Eco_359	Trent Banks / Wharves, Newark	15	23.1	23.4	23.5	0.1	No
Eco_360	The Fleet, South Muskham	15	25.6	28.0	28.0	-0.1	No
Eco_361	The Fleet, South Muskham	15	25.6	27.1	27.0	0.0	No
Eco_362	The Fleet, South Muskham	15	25.6	29.8	29.7	-0.1	No
Eco_363	The Fleet, South Muskham	15	25.6	28.1	28.0	-0.1	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_364	The Fleet, South Muskham	15	25.6	27.3	27.2	0.0	No
Eco_365	The Fleet, South Muskham	15	25.6	26.9	26.9	0.0	No
Eco_366	The Fleet, South Muskham	15	25.6	26.6	26.6	0.0	No
Eco_367	The Fleet, South Muskham	15	25.6	26.5	26.5	0.0	No
Eco_368	The Fleet, South Muskham	15	25.6	26.5	26.4	0.0	No
Eco_369	Langford Moor Area	10	21.3	21.5	21.5	0.0	No
Eco_370	Langford Moor Area	10	21.3	21.5	21.5	0.0	No
Eco_371	Newark Golf Course	10	21.7	22.1	21.9	-0.2	No
Eco_372	Newark Golf Course	10	21.7	21.9	21.8	-0.1	No
Eco_373	Newark Golf Course	10	21.7	21.9	21.8	0.0	No
Eco_374	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_375	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_376	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_377	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_378	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_379	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_380	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_381	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_382	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_383	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_384	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_385	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_386	Newark Golf Course	10	21.7	21.8	21.8	0.0	No



Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_387	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_388	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_389	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_390	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_391	Newark Golf Course	10	21.7	21.8	21.8	0.0	No
Eco_392	South Scaffold Lane, Collingham	10	36.7	39.0	39.1	0.1	No
Eco_393	South Scaffold Lane, Collingham	10	36.7	38.5	38.7	0.1	No
Eco_394	South Scaffold Lane, Collingham	10	36.7	38.3	38.3	0.1	No
Eco_395	South Scaffold Lane, Collingham	10	36.7	38.1	38.1	0.1	No
Eco_396	South Scaffold Lane, Collingham	10	36.7	37.9	38.0	0.1	No
Eco_397	South Scaffold Lane, Collingham	10	36.7	37.8	37.8	0.1	No
Eco_398	South Scaffold Lane, Collingham	10	36.7	37.7	37.7	0.1	No
Eco_399	South Scaffold Lane, Collingham	10	36.7	37.6	37.7	0.1	No
Eco_400	South Scaffold Lane, Collingham	10	36.7	37.5	37.6	0.1	No
Eco_401	South Scaffold Lane, Collingham	10	36.7	37.5	37.5	0.0	No
Eco_402	South Scaffold Lane, Collingham	10	36.7	37.4	37.5	0.0	No
Eco_403	South Scaffold Lane,	10	36.7	37.4	37.4	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
	Collingham						
Eco_404	South Scaffold Lane, Collingham	10	36.7	37.4	37.4	0.0	No
Eco_405	South Scaffold Lane, Collingham	10	36.7	37.3	37.4	0.0	No
Eco_406	South Scaffold Lane, Collingham	10	36.7	37.3	37.3	0.0	No
Eco_407	South Scaffold Lane, Collingham	10	36.7	37.3	37.3	0.0	No
Eco_408	South Scaffold Lane, Collingham	10	36.7	37.2	37.3	0.0	No
Eco_409	South Scaffold Lane, Collingham	10	36.7	37.2	37.3	0.0	No
Eco_410	South Scaffold Lane, Collingham	10	36.7	37.2	37.3	0.0	No
Eco_411	Potter Hill Plantation	10	36.7	37.8	37.8	0.1	No
Eco_412	Potter Hill Plantation	10	36.7	37.7	37.7	0.1	No
Eco_413	Potter Hill Plantation	10	36.7	37.6	37.6	0.1	No
Eco_414	Potter Hill Plantation	10	36.7	37.5	37.6	0.0	No
Eco_415	Potter Hill Plantation	10	36.7	37.4	37.5	0.0	No
Eco_416	Potter Hill Plantation	10	36.7	37.4	37.4	0.0	No
Eco_417	Potter Hill Plantation	10	36.7	37.3	37.4	0.0	No
Eco_418	Potter Hill Plantation	10	36.7	37.3	37.3	0.0	No
Eco_419	Potter Hill Plantation	10	36.7	37.3	37.3	0.0	No
Eco_420	Potter Hill Plantation	10	36.7	37.2	37.3	0.0	No
Eco_421	Potter Hill Plantation	10	36.7	37.2	37.3	0.0	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
Eco_422	Potter Hill Plantation	10	36.7	37.2	37.2	0.0	No
Eco_423	Potter Hill Plantation	10	36.7	37.2	37.2	0.0	No
Eco_424	Potter Hill Plantation	10	36.7	37.2	37.2	0.0	No
Eco_425	Hill Holt	10	36.7	38.3	38.4	0.1	No
Eco_426	Hill Holt	10	36.7	38.0	38.1	0.1	No
Eco_427	Hill Holt	10	36.7	37.8	37.9	0.1	No
Eco_428	Hill Holt	10	36.7	37.7	37.7	0.1	No
Eco_429	Hill Holt	10	36.7	37.6	37.6	0.1	No
Eco_430	Hill Holt	10	36.7	37.5	37.5	0.0	No
Eco_431	Hill Holt	10	36.7	37.4	37.4	0.0	No
Eco_432	Hill Holt	10	36.7	37.3	37.4	0.0	No
Eco_433	Hill Holt	10	36.7	37.3	37.3	0.0	No
Eco_434	Hill Holt	10	36.7	37.3	37.3	0.0	No
Eco_435	Hill Holt	10	36.7	37.2	37.3	0.0	No
Eco_436	Hill Holt	10	36.7	37.2	37.2	0.0	No
Eco_437	Hill Holt	10	36.7	37.2	37.2	0.0	No
Eco_438	Hill Holt	10	36.7	37.2	37.2	0.0	No
VT_01	Veteran tree close to St Nicholas's Church	10	38.9	39.1	39.1	0.0	No
VT_02	Veteran tree close to Great North Road 2	10	38.7	40.0	40.1	0.1	No
VT_03	Veteran tree close to Great North Road 1	10	38.7	39.9	40.0	0.1	No
VT_04	Veteran tree close to Great North Road 3	10	38.7	39.8	40.0	0.2	No

Receptor ID	Designated site name	Lower critical load (CL) (kg N/ha/yr)	Average background N deposition (kg N/ha/yr)	Estimated total N deposition - without NH <sub>3</sub> contribution from traffic			
				DM (kg N/ha/yr)	DS (kg N/ha/yr)	Change (DS-DM) (kg N/ha/yr)	Potentially significant?
VT_05	Veteran tree close to Winthorpe Service Area	10	40.9	43.0	42.9	0.0	No
VT_06	Veteran tree close to The Grange	10	45.3	46.1	46.1	0.0	No
VT_07	Veteran tree close to Beaconsfield Drive	10	38.9	39.7	39.6	0.0	No
VT_08	Veteran tree close to the east of Gainsborough Road	10	40.9	41.6	41.7	0.1	No

Note: Seven ecology receptors have been excluded due to their location within the DS scheme alignment. This includes Eco\_103, Eco\_104, Eco\_105, Eco\_178, Eco\_206, Eco\_207 and Eco\_275.

Note: Arithmetic discrepancies occur due to rounding of results; A change of 0.0 means that the change is less than 0.1.